AGENDA
HIDALGO COUNTY
COMMISSIONERS COURT
MEETING
October 22, 2013
9:30 A.M.

NOTICE is hereby given in accordance with Chapter 551, Texas Government Code, that a REGULAR MEETING of the Commissioners' Court will be held at Edinburg Council Chambers, 415 W. University Drive, Edinburg, Hidalgo County, Texas. Discussion and possible action relating to the following business will be transacted:

1. **Roll Call**

2. **Pledge of Allegiance**

3. **Prayer**

4. **Approval of Consent Agenda**

5. **Open Forum**

6. **County Judge's Office:**

A. **AI-41339** Resolution in support of Proposition 6 - a constitutional amendment that establishes a State Water Implementation Fund for Texas (SWIFT)

B. **AI-41342** Discussion, consideration, and action to amend the Hidalgo County Tax Increment Reinvestment Zone (TIRZ) Policy.

7. **Executive Officer - Valde Guerra:**

A. 1. Requesting exemption from competitive bidding requirements under the Texas Local Government Code, Section 262.024(A) (4) "a Professional Service" for the "provision of legal services/representation in connection with litigation."

2. Requesting engagement with the firm of _____ for the "Provision of Legal Services/Representation in connection with Litigation" and authority to submit letter of engagement

B. Presentation for discussion, consideration and action (if necessary) including, but not limited to the following:
1) Renovations to Former Administration Building 1st and 2nd Floors
2) Update on Courthouse Portable Building Project, other ongoing county owned building construction and renovation repair projects
3) Emergency situations occurring since last agenda meeting

C. **AI-41317** Status update by RMA regarding the development of SH 365 in Western Hidalgo County including the following:
1. Status of the Vehicle Registration Bond Sale
2. Interlocal Agreement between HCRMA and City of Mission (from Anzalduas Hwy (FM396) to Conway Ave. (FM 1016)

D. **AI-41332** Discussion, consideration and action to act on compliance with Chapter 59 Asset Forfeiture reporting requirements

E. **AI-41306** Approval to accept check from Travelers Insurance Company in the amount of $9,359.94 for reimbursement of amount exceeding SIR in connection with claim of Carla Davis

F. **AI-41305** Request by American Legion Post 408 to use the courthouse square parking lot for the Veteran's Day Parade to be held on Saturday, November 2, 2013 (8-11am)

G. **AI-41308** Discussion, consideration and action to designate an area as allowed by Chapter 51 of the Property Code, (other than the Courthouse) to conduct public sale of real property at auction

8. **Health & Human Services Department - Eddie Olivarez**

A. **AI-41103** Public Hearing to consider public comment on proposed 3-year projects to be included on the Regional Healthcare Partnership Plan for Region 5 prior to submission to the Texas Department of Health & Human Services Commission (HHSC) on or before October 31, 2013.

B. **AI-41310** 1. Approval of Waivers of Contract Provision from the Texas Department of State Health Services. DSHS is waiving the requirement that Contractor must submit payment requests electronically as set forth in the DSHS grant contracts for FY 2014.

2. Approval for County Judge to sign waivers.

C. **Health Care Funding District:**

1. Discussion and/or action, including but not limited to Health Care Funding District and/or Expenditures

D. **Indigent Health Care Program:**

1. Discussion and/or action, including but not limited to Indigent Health Care Program and 1115 Waiver and/or Expenditures

9. **Adult Probation - Arnold K. Patrick:**

A. **AI-41236** DWI Court Grant (1297):
1. Approval of certification of revenue as certified by the County Auditor for the DWI Court grant.
2. Approval of appropriation of funds in the amount of $142,819.20.
3. Approval to authorize the decrease/ removal of supplemental pay allowance for the following employees:

Action	Dept	Slot #	Emp #	Position Title	Current Allow. Amount	Proposed Allow. Amount
Decrease	Crim. DA (1100)	0026	127531	Assistant D.A. IV	$9,910.00	$9,837.00
Remove	139th DC (1100)	0002	020524	Court Coordinator	$6,395.00	-0-
Remove	139th DC (1100)	0004	088439	Assistant Court Coord.	$6,395.00	-0-

4. Approval of salary schedule.

B. **AI-41238** Veterans Court Grant (1297):
1. Approval of certification of revenue as certified by the County Auditor for the Veterans Court Grant.
2. Approval of the appropriation of funds in the amount of $84,074.52.

10. **Urban County - Diana Serna:**

A. **AI-41277** 1. Hold a Public Hearing to consider public comments for Hidalgo County Precinct No. 3's proposed budget and program amendment for Forfeited and Recaptured Funds for fiscal years (2004, 2008, 2010, 2011, 2012, & 2013) and surplus funds in fiscal year (2009). The proposed amendment will increase Street Improvements funding and add bridge improvements to Mile 2.

2. Requesting approval of a budget and program amendment for Hidalgo County Precinct No. 3 for Forfeited and Recaptured Funds for fiscal years (2004, 2008, 2010, 2011, 2012, & 2013) and surplus funds in fiscal year (2009). The proposed amendment will increase Street Improvements funding and add bridge improvements to Mile 2.

B. **AI-41127** Urban County Program on behalf of the City of Weslaco is requesting consideration and action to award and enter into a construction contract with J Con Construction, LLC for a public facility (library restroom renovation) project located within the City of Weslaco. Total contract amount of $82,500.00 utilizing UCP - City of Weslaco FY's 24 & 25 (2011 & 2012) public facility funds.

C. **AI-41158** Urban County Program on behalf of the Precinct No. 1 is requesting authority to purchase fire station equipment for the Monte Alto Volunteer Fire Department. Purchase will be made from Casco Industries, Inc. (contract # 363-10) an approved vendor through Hidalgo County's membership and participation with Buy Board. The total amount of purchase is $13,395.51 (quote attached) for the Monte Alto Volunteer Fire Department funded thru FY 23 & 24 (2010 & 2011) Precinct No. 1 – Fire Station/Equipment line item.

D. **AI-41307** 1. Urban County Program for Precinct No. 2 is requesting consideration and action to award and enter into a construction contract with FJW Construction (lowest bidder meeting all specifications and/or requirements) for the Texas General Land Office Round 2.1(GLO Contract No. 12-406-000-6453) in the amount of $3,688,306.84. The project consists of flood and drainage improvements within Precinct No. 2, Hidalgo County, Texas, from west Cage Boulevard to the USIBWC Floodway Levee.
2. Hidalgo County Precinct No. 2 commits $331,058.00 to undertake drainage improvements for the completion of the GLO Contract 12-406-000-6453/DRS210068 South Fork Drain project

E. **AI-41282** 1. Requesting exemption from competitive bidding requirements under the Texas Local Government Code 262.024 (a)(4) for Professional Surveying Services;

2. Presentation of the scoring grid for the purposes of ranking by CC of at least three (3) surveying service firms from the County's approved "pool" as graded and evaluated by the Precinct No. 3, Urban County Program, and Hidalgo County Purchasing Department, in connection with and funded through Hidalgo County Urban County Program GLO Contract No. 12-406-000-6453/DRS210068 Penitas Drain project.

Surveyor	**Grade**	**Ranked**
CVQ Land Surveyors	96	
Dos Land Surveying	94.3	
R. Gutierrez Engineering Corp.	92.6	

3. Authority to negotiate a professional surveying service contract with the No. 1 ranked firm of _____ for the provision of **Surveying Services** for the Precinct No.3 – Penitas Drain Project.

11. **Elections Administration - Yvonne Ramon:**

A. **AI-41067** Approval of Full Contract for Election Services between Hidalgo County and the City of McAllen for their election to be held on November 5, 2013.

12. **Head Start Program - Teresa Flores:**

A. **AI-41243** Discussion, Approval and Appointment of One (1) Community Representative by Each Member of the Commissioners' Court to Serve on the Hidalgo County Head Start Program Policy Council, for a One (1) Year Term According to 45 CFR Chapter XIII, 1304.50(b)(1)-(b)(7) Beginning October 2013 (Commissioner Hector "Tito" Palacios)

13. **Auditor's Office - Ray Eufracio:**

A. **AI-41297** Discussion, consideration, and approval for the County Auditor's Office to conduct an audit of the Chapter 59 Asset Forfeiture Report prepared by the Hidalgo County District Attorney's Office for fiscal year 2013 pursuant to the Chapter 59 Asset Forfeiture Report requirements.

14. **Precinct #2 - Comm. H. Palacios:**

A. **AI-41273** Requesting acceptance and approval of Work Authorization No.7 (with estimated cost of #17,569.50) as submitted by Millennium Engineers Group, Inc (Contract #C-13-185-06-18) for Construction Material Engineering Services for Border Road (Ridge - El Gato Rd) Project.

15. **Budget & Management - Sergio Cruz:**

A. **AI-41178** 1. Status update regarding the Delinquent Fees and Fines Program

2. Discussion, consideration and approval to impose a $20.00 Scofflaw fee to District Courts and County Courts at Law cases with outstanding balances over (90) days.

B. **Budget Appropriations:**

1. **AI-41327** A. Approval of certification of revenues, as certified by the County Auditor, for proceeds from the Raymondville Drainage project to Hidalgo County DD No.1

B. Approval of 2013 appropriation of funds in the amount of $872,800.00, for WA#1 for Mile 3 (FM492 to FM 2221) project.

2. **AI-41275** A. Approval of certification of revenues, as certified by the County Auditor, for proceeds from the sale of assets to Hidalgo County DD No.1

B. Approval of 2013 appropriation of funds in the total amount of $338,950.03 for the building renovation/repairs to Restitution Center on 1124 M Road in Edinburg, Texas.

3. **AI-41252** Pct.4 Linn San Manuel Emergency Facility:
A. Approval of Certification of Revenues as certified by the County Auditor for the proceeds from the sale of land, also referred to the Aguilar and Dickerson Ponds to the Hidalgo County DD NO.1.

B. Approval of 2013 appropriation of funds in the total amount of $78,000.00

16. **Purchasing Department - Marty Salazar:**
Notes:
A. FOR ANY CONTRACT(S) AWARDED AND APPROVED UNDER THIS AGENDA, EXECUTED COPIES OF THE CONTRACT(S) WILL BE AVAILABLE ON THE COUNTY INTRA-NET WEBSITE AND WILL BE FOWARDED VIA E-MAIL, FAX OR HAND DELIVERED TO HIDALGO COUNTY AUDITOR'S OFFICE.

B. ANY AND ALL REQUESTS FOR PAYMENT(S) APPROVED WILL BE SUBJECT TO COUNTY AUDITORS PROCESSING PROCEDURES INCLUDING AUTHORITY FOR COUNTY TREASURER TO ISSUE PAYMENT(S)/CHECK(S).

A. **Hidalgo County**

1. AI-41173 A. Requesting approval to declare the items listed in Exhibit "A" (office furniture, equipment and vehicles) attached herein as surplus for the purpose of sale through auction (scheduled for 11-06-2013) in accordance with Texas Local Government Code 263.152 (a)(1), and, in the event "no bids" received;
B. Pursuant to Texas Local Government Code, 263.151(1) and/or 263.152(a)(3), Commissioners Court proceed to:'...order any of the property to be destroyed or otherwise disposed of as worthless in as much as the sale of said items CC undertook to sell (under Subdivision (1) at auction on 11-06-2013 resulted in no bids were received;
C. Requesting authority to publish advertisment for the auction of surplus equipment and vehicles scheduled for 11-06-2013, including but not limited to Seized, Abandoned and Unclaimed Property or additional and/or necessary auctions.

2. AI-41274 Approval of an Amendment (reflecting an increase on the construction cost) to the current agreement between Hidalgo County and Prodigy Construction Management, LLC for the "Remodeling and Renovations of the 1st and 2nd Floor for the Former Administration Building." C-13-276-09-11

B. **Pct. 1**

1. AI-41203 Pct.1 – Claims/Invoices ASG, LLC
Requesting approval of the following claims/invoices with authority for the County Treasurer to issue payment/check after review, audit and processing procedures are completed by the County Auditor.

VENDOR NAME	INVOICE NO.	INVOICE DATE	TOTAL AMOUNT	ACCOUNT NO.
ASG SECURITY	22972910	10/01/2013	$23.45	3-1100-452-00-121-013-0-413

C. **Pct. 2**

1. **AI-41114** Discussion, consideration, and action on a recommendation by R. Gutierrez Engineering Corporation, to award to lowest bidder meeting all specification as listed: RDH Site & Concrete Company of Pharr, Texas in the amount of $297,936.13 for RFB 2013-250-09-04-YZV - "Road & Drainage Construction for Rancho Blanco Road".

2. **AI-41240** Approval of the following with Dos Logistics, Inc. contracted vendor for the Pct 2 Minnesota Drain Project as submitted through project engineer Ramiro Gutierrez (Contract No. 10-5066-000-5043):

   a. Retainage Release in the amount of $39,133.35;

   b. Certificate of Construction Completion reflecting the date of May 6, 2013.

3. **AI-40093** Requesting authority to advertise with approval of preliminary plans and specifications as developed by project architect ERO Architects for the project: Hidalgo County Precinct No. 2 - Equipment & Maintenance Facility, as requested by the Office of Commissioner Tito Palacios and concurred by Raul Sesin, P.E. (RFB No. 2013-096A-11-13-MSS).

D. Pct. 3

1. **AI-41081** a. Acceptance and approval to execute the final form of a Professional Engineering Agreement with L&G Engineering, for "Mile 3 Road (from FM 492 to FM 2221),"as approved for negotiations on CC 9/17/13.

   b. Acceptance and approval of Work Authorization No. 1 (with an estimated cost of $872,800.00) as submitted by project engineer, L&G Engineering for engineering services for "Preparation for the Environmental Assessment, Public Involvement, Schematic and Hydrologic Design for the Mile 3 project from FM 2221 to FM 492" within Hidalgo County Pct. No. 3 through Contract #C-13-305-10-07.

E. Pct. 4:

1. **AI-41224** Recommendation by project architect, Dannenbaum Engineering, for Commissioners' Court to award the Base Bid with Alternates 1 and 2 to lowest bidder meeting all specifications, NM Contracting, LLC in the total amount of $462,951.00 for the project: Hidalgo County Precinct No. 4 “Building Repairs/Renovations, Additions and/or Alterations to Restitution Center at 1124 "M" Road in Edinburg, TX” (Bid No. 2013-234A-10-09-MSS).

F. Constables

1. **AI-40062** Requesting approval of agreement(s) if applicable for "Computer Assisted Investigative On-line Research Services" with West a Thomson Reuter Business for Hidalgo County thru RFSQ 2013-232-07-31-MEG, for 1 User - Constable Pct 4 (1st Year) 120.00 per month (2nd Year) 126.00 per month (3rd Year) 132.30 per month.

G. **HIDTA**

1. **AI-40081** Requesting approval of agreement(s) if applicable for "Computer Assisted Investigative On-line Research Services" with West a Thomson Reuter Business for Hidalgo County HIDTA thru RFSQ 2013-232A-07-31-MEG, for 2 Users - (1st Year) 240.00 per month (2nd Year) 252.00 per month (3rd Year) 264.60 Per Month

H. **IT Department:**

1. **AI-41029** Authorization for the use of the County's Justice Court Technology Fund for the purchase of technological equipment for the JP offices.

2. **AI-41162** Requesting approval to correct total amount of $16,852.00 to $16,853.00 from approved agenda on 5/7/13, on the client support and software update service agreement with Tyler Technologies, Inc.

17. **Closed Session:**
Commissioners' Court may go into Closed Session pursuant to Chapter 551, Texas Government Code, Sections 551.071 & 551.072 to discuss the following:

A. Real Estate Acquisition

B. Pending and/or potential litigation

C. **AI-41303** Planned Parenthood, et al v. Greg Abbott, Attorney General for the State of Texas, Rene Guerra, Hidalgo County District Attorney, et al

D. **AI-41340** Deliberation regarding the following Economic Development Negotiations pursuant to Chapter 551, Texas Government Code, Section 551.087: Project Domain

E. **AI-41278** Claim of Maria E. Gonzalez

F. **AI-41280** Claim of Candido Bocanegra

G. **AI-41324** Claim of Leonor Ortiz Torres & Yessica Rojas Ortiz

18. **Open Session:**

A. Real Estate Acquisition and appropriation for same

B. Pending and/or potential litigation

C. **AI-41304** Planned Parenthood, et al v. Greg Abbott, Attorney General for the State of Texas, Rene Guerra, Hidalgo County District Attorney, et al

D. **AI-41341** Deliberation regarding the following Economic Development Negotiations pursuant to Chapter 551, Texas Government Code, Section 551.087: Project Domain

E. **AI-41279** Claim of Maria E. Gonzalez

F. **AI-41281** Claim of Candido Bocanegra

G. **AI-41325** Claim of Leonor Ortiz Torres & Yessica Rojas Ortiz

19. **Closed Session:**
Commissioners' Court may reconvene into Closed Session for the discussion regarding the agenda items listed

20. **Open Session:**
Commissioners' Court may reconvene into Open Session for the discussion regarding the agenda items listed

21. **Adjourn**

AI-41339 **County Judge's Office 6. A.**

CC REGULAR

Meeting Date: 10/22/2013

Submitted By: Monica Badillo, EXECUTIVE OFFICE

Department: EXECUTIVE OFFICE

Information

CAPTION

Resolution in support of Proposition 6 - a constitutional amendment that establishes a State Water Implementation Fund for Texas (SWIFT)

BACKGROUND

Form Review

Inbox	Reviewed By	Date
Budget & Management	Obdett Calzada	10/18/2013 02:55 PM
Purchasing Department	Monica Badillo	10/18/2013 04:51 PM

Form Started By: Monica Badillo Started On: 10/18/2013 02:48 PM

Final Approval Date: 10/18/2013

AI-41342 **County Judge's Office 6. B.**

CC REGULAR

Meeting Date: 10/22/2013

Submitted For: Roberto Villarreal **Submitted By:** SANDRA DELEON, COUNTY JUDGE

Department: COUNTY JUDGE

Information

CAPTION

Discussion, consideration, and action to amend the Hidalgo County Tax Increment Reinvestment Zone (TIRZ) Policy.

BACKGROUND

Form Review

Inbox	Reviewed By	Date
Budget & Management	Obdett Calzada	10/18/2013 03:45 PM
Purchasing Department	Monica Badillo	10/18/2013 04:51 PM

Form Started By: SANDRA DELEON Started On: 10/18/2013 03:41 PM

Final Approval Date: 10/18/2013

AI-41317 **Comm. Court Executive Office 7. C.**

CC REGULAR

Meeting Date: 10/22/2013

Submitted For: Comm. Flores **Submitted By:** Monica Badillo, EXECUTIVE OFFICE

Department: EXECUTIVE OFFICE

Information

CAPTION

Status update by RMA regarding the development of SH 365 in Western Hidalgo County including the following:

1. Status of the Vehicle Registration Bond Sale
2. Interlocal Agreement between HCRMA and City of Mission (from Anzalduas Hwy (FM396) to Conway Ave. (FM 1016)

BACKGROUND

Attachments

letter

Form Review

Inbox	Reviewed By	Date
Budget & Management	Obdett Calzada	10/18/2013 09:00 AM
Purchasing Department	Monica Badillo	10/18/2013 04:51 PM

Form Started By: Monica Badillo Started On: 10/17/2013 04:28 PM

Final Approval Date: 10/18/2013

COUNTY COMMISSIONER PRECINCT 3
County of Hidalgo

October 18, 2013

Joe M. Flores
County Commissioner Pct. No. 3

Mr. Dennis Burleson
Chairman
Hidalgo County Regional Mobility Authority
Attn: Pilar Rodriguez, P.E., Executive Director
118 S. Cage Blvd, 4th Floor
Pharr, Texas 78577

RE: SH 365 Status

Dear Mr. Rodriguez:

In reference to the previous letter I sent your office on 7/16/2013 as well as Mayor Salinas' letter dated 7/17/2013 regarding the development of SH 365 in Western Hidalgo County, as of this date neither myself nor Mayor Salinas have received a response. Since we have not been updated by letter, I am requesting that you and your Executive Director make a presentation to Commissioner's Court updating us on the project with special emphasis on the following items:

- Status of the Vehicle Registration bond sale
- Inter-local Agreement between HCRMA and the City of Mission
    - From Anzalduas Hwy (FM 396) to Conway Ave. (FM 1016)
    - It is the Court's understanding that both the City of Mission and the City of McAllen are receptive to developing the needed project tasks, required to get this portion of the project "shovel ready" at 100% their cost; however, the agreement was rejected by the HCRMA board.

I will place an agenda item at our next regularly scheduled meeting (10/22/13). Please be prepared to provide the Court with an update. Thank you and should you have any questions, or require further information, feel free to contact me at (956) 585-4509.

Sincerely,

Joe M. Flores
Hidalgo County Commissioner, Pct. #3

cc: Hon. Ramon Garcia, Hidalgo County Judge
Hon. A.C. Cuellar, Hidalgo County Commissioner, Pct. #1
Hon. Hector "Tito" Palacios, Hidalgo County Commissioner, Pct. #2
Hon. Joseph Palacios, Hidalgo County Commissioner, Pct. #4
Hon. Jim Darling, Mayor, City of McAllen
Hon. Norberto "Beto" Salinas, Mayor, City of Mission

Office: (956) 585-4509 • Fax: (956) 205-7009
724 N. Breyfogle • Mission, Texas 78574

AI-41332 **Comm. Court Executive Office 7. D.**

CC REGULAR

Meeting Date: 10/22/2013

Submitted For: Yolanda Chapa **Submitted By:** SANDRA DELEON, COUNTY JUDGE

Department: COUNTY JUDGE

Information

CAPTION

Discussion, consideration and action to act on compliance with Chapter 59 Asset Forfeiture reporting requirements

BACKGROUND

Attachments

Report

Form Review

Inbox	Reviewed By	Date
Budget & Management	Obdett Calzada	10/18/2013 02:10 PM
Manuel Chapa	Obdett Calzada	10/18/2013 03:37 PM
Glinda Pacheco	Glinda Pacheco	10/18/2013 04:06 PM
Purchasing Department	Monica Badillo	10/18/2013 04:51 PM

Form Started By: SANDRA DELEON Started On: 10/18/2013 11:34 AM

Final Approval Date: 10/18/2013

FY 2013
CHAPTER 59 ASSET FORFEITURE REPORT
BY ATTORNEY REPRESENTING THE STATE

Agency Name: _____

Reporting Period: (local fiscal year) _____

Agency Mailing Address: _____

example: 09/01/12 to 08/31/13

_____

_____

Phone Number: _____

County: _____

Email Address: _____

This should be a permanent agency email address

NOTE: PLEASE ROUND ALL DOLLAR FIGURES TO NEAREST WHOLE DOLLAR.

I.		**SEIZED FUNDS**	
	A)	Beginning Balance:	$
	B)	Seizures During Reporting Period:	
		1) Amount seized by employees of your agency:	$
		2) Amount seized by other agencies:	$
	C)	Forfeiture Petitions Filed for All Agencies You Represent:	$
	D)	Forfeitures Pending For All Agencies You Represent:	$
	E)	Interest Earned on Seized Funds During Reporting Period:	$
	F)	Amount Returned to Defendants/Respondents:	$
	G)	Amount Transferred to Forfeiture Account:	$
	H)	Other Reconciliation Items:	$
	I)	Ending Balance: **Instructions:** Add lines A, B(1), B(2) E and H, subtract lines F and G, put total in line I.	$
II.		**FORFEITED FUNDS**	
	A)	Beginning Balance:	$
	B)	Amount Forfeited For All Agencies You Represent and Covered by Local Agreement:	
		1) Amount Forfeited and Transferred to all Agencies Covered by Local Agreement:	$
		2) Amount forfeited and Received by Your Agency:	$
	C)	Interest Earned on Forfeited Funds During Reporting Period :	$
	D)	Proceeds Received by Your Agency From Sale of Forfeited Property:	$

E)	Amount Returned to Crime Victims:	$
F)	Other Reconciliation Items:	$
G)	Total Expenditures of Forfeited Funds During Reporting Period:	$
H)	Ending Balance: Instructions: Add lines A, B(2), C, D and F, subtract lines E and G, place total in line H.	$

III. OTHER PROPERTY

Please Note: these should be a number, not a currency amount. For example: 4 pending, 3 seized, 12 new petitions, etc....	MOTOR VEHICLES (Include cars, motorcycles, tractor trailers, etc.)	REAL PROPERTY (Count each parcel seized as one item)	COMPUTERS Include computer and attached system components, such as printers and monitors as one item)	FIREARMS (Include only firearms seized for forfeiture under Chpt. 59. Do not include weapons disposed of under Chpt. 18)	OTHER (Include description)
Pending for all agencies at beginning of reporting period:					
Seized by your agency during reporting period:					
New petitions filed for all agencies during reporting period:					
Forfeited to your agency during reporting period:					
Put into service by your agency during reporting period:					
Pending for all agencies at end of reporting period:					

IV. FORFEITED PROPERTY RECEIVED FROM ANOTHER AGENCY

A)	Motor Vehicles:	#
B)	Real Property:	#
C)	Computers:	#
D)	Firearms:	#
E)	Other:	#

V. FORFEITED PROPERTY TRANSFERRED OR LOANED TO ANOTHER AGENCY

A)	Motor Vehicles:	#
B)	Real Property:	#
C)	Computers:	#

D)		Firearms:		#
E)		Other:		#
VI.		**EXPENDITURES**		
A)		**SALARIES**		
	1.	Increase of Salary, Expense, or Allowance for Employees (Salary Supplements):	$	
	2.	Salary Budgeted Solely From Forfeited Funds:	$	
	3.	Number of Employees Paid Using Forfeiture Funds:	#	
	4.	**TOTAL SALARIES PAID OUT OF CHAPTER 59 FUNDS:**		$
B)		**OVERTIME**		
	1.	For Employees Budgeted by Governing Body:	$	
	2.	For Employees Budgeted Solely out of Forfeiture Funds:	$	
	3.	Number of Employees Paid Using Forfeiture Funds:	#	
	4.	**TOTAL OVERTIME PAID OUT OF CHAPTER 59 FUNDS:**		$
C)		**EQUIPMENT**		
	1.	Vehicles:	$	
	2.	Computers:	$	
	3.	Firearms, Vests, Personal Equipment:	$	
	4.	Furniture:	$	
	5.	Software:	$	
	6.	Maintenance Costs:	$	
	7.	Uniforms:	$	
	8.	K9 Related Costs:	$	
	9.	Other (Provide Detail on Additional Sheet):	$	
	10.	**TOTAL EQUIPMENT PURCHASED WITH CHAPTER 59 FUNDS:**		$
D)		**SUPPLIES**		
	1.	Office Supplies:	$	
	2.	Cellular Air Time :	$	
	3.	Internet:	$	
	4.	Other (Provide Detail on Additional Sheet) :	$	
	5.	**TOTAL SUPPLIES PURCHASED WITH CHAPTER 59 FUNDS:**		$
E)		**TRAVEL**		
	1.	Total In State Travel	$	
		a) Transportation:	$	
		b) Meals & Lodging:	$	

		c) Mileage:	$	
		d) Incidental Expenses:	$	
	2.	Total Out of State Travel	$	
		a) Transportation:	$	
		b) Meals & Lodging:	$	
		c) Mileage:	$	
		d) Incidental Expenses:	$	
	3.	**TOTAL TRAVEL PAID OUT OF CHAPTER 59 FUNDS:**		$
F)		**TRAINING**		
	1.	Fees (Conferences, Seminars):	$	
	2.	Materials (Books, CDs, Videos, etc.):	$	
	3.	Other (Provide Detail on Additional Sheet):	$	
	4.	**TOTAL TRAINING PAID OUT OF CHAPTER 59 FUNDS**		$
G)		**INVESTIGATIVE COSTS**		
	1.	Informant Costs:	$	
	2.	Buy Money:	$	
	3.	Lab Expenses:	$	
	4.	Other (Provide Detail on Additional Sheet) :	$	
	5.	**TOTAL INVESTIGATIVE COSTS PAID OUT OF CHAPTER 59 FUNDS:**		$
H)		**PREVENTION/TREATMENT PROGRAMS / FINANCIAL ASSISTANCE / DONATIONS**		
	1.	Total Prevention/Treatment Programs (pursuant to 59.06 (h), (j):	$	
	2.	Total Financial Assistance (pursuant to Articles 59.06 (n) and (o)):	$	
	3.	Total Donations (pursuant to Articles 59.06 (d-2)):	$	
	4.	**TOTAL PREVENTION/TREATMENT PROGRAMS / FINANCIAL ASSISTANCE / DONATIONS (pursuant to Articles 59.06 (h), (j), (n), (o) (d-2)):**		$
I)		**FACILITY COSTS**		
	1.	Building Purchase:	$	
	2.	Lease Payments:	$	
	3.	Remodeling:	$	
	4.	Maintenance Costs:	$	
	5.	Utilities:	$	
	6.	Other (Provide Detail on Additional Sheet):	$	
	7.	**TOTAL FACILITY COSTS PAID OUT OF CHAPTER 59 FUNDS:**		$

J)		**MISCELLANEOUS FEES**		
	1.	Court Costs:	$	
	2.	Filing Fees:	$	
	3.	Insurance:	$	
	4.	Witness Fees:	$	
	5.	Audit Costs and Fees:	$	
	6.	Other (Provide Detail on Additional Sheet):	$	
	7.	**TOTAL MISCELLANEOUS FEES PAID OUT OF CHAPTER 59 FUNDS:**		$
K)		**PAID TO STATE TREASURY / GENERAL FUND / HEALTH & HUMAN SERVICES COMMISSION:**		
	1.	Total paid to State Treasury due to lack of local agreement pursuant to 59.06 (a):	$	
	2.	Total paid to State Treasury due to participating in task force not established in accordance with 59.06 (q)(1):	$	
	3.	Total paid to General Fund pursuant to 59.06 (C-3) (c) (Texas Department of Public Safety only):	$	
	4.)	Total forfeiture funds transferred to the Health and Human Services Commission pursuant to 59.06 (p):	$	
	5)	**TOTAL PAID TO STATE TREASURY / GENERAL FUND / HEALTH & HUMAN SERVICES COMMISSION OUT OF CHAPTER 59 FUNDS:**		$
L)		**TOTAL PAID TO COOPERATING AGENCY(IES) PURSUANT TO LOCAL AGREEMENT:**		$
M)		**TOTAL OTHER EXPENSES PAID OUT OF CHAPTER 59 FUNDS WHICH ARE NOT ACCOUNTED FOR IN PREVIOUS CATEGORIES (provide detailed descriptions on additional sheet(s) and attach to this report):**		$
N)		**TOTAL EXPENDITURES:**		$

NOTE: BOTH CERTIFICATIONS MUST BE COMPLETED

AUDITOR / TREASURER / ACCOUNTING PROFESSIONAL CERTIFICATION

I swear or affirm that the Commissioners Court, City Council or Agency Head (if no governing body) has requested that I conduct the audit required by Article 59.06 of the Code of Criminal Procedure and that upon diligent inspection of all relevant documents and supporting materials, I believe that the information contained in this report is true and correct.

AUDITOR, TREASURER or
ACCOUNTING PROFESSIONAL
(Printed Name): _____

TITLE: _____

SIGNATURE: _____

DATE: _____

AGENCY HEAD CERTIFICATION

I swear or affirm, under penalty of perjury, that I have accounted for the seizure, forfeiture, receipt, and specific expenditure of all proceeds and property subject to Chapter 59 of the Code of Criminal Procedure, and that upon diligent inspection of all relevant documents and supporting materials, this asset forfeiture report is true and correct and contains all information required by Article 59.06 of the Code of Criminal Procedure. I further swear or affirm that all expenditures reported herein were lawful and proper, and made in accordance with Texas law.

ATTORNEY REPRESENTING THE STATE (Elected Official) (Printed Name): _____

SIGNATURE: _____

DATE: _____

RETURN COMPLETED FORM TO:

Office of the Attorney General
Criminal Prosecutions Division
P.O. Box 12548
Austin, TX 78711-2548
Attn: Kent Richardson
(512)463-1591
Chapter59AuditReport@texasattorneygeneral.gov

WE CANNOT ACCEPT FAXED OR EMAILED COPIES. PLEASE MAIL THE SIGNED, ORIGINAL DOCUMENT TO OUR OFFICE AT THE ADDRESS ABOVE.

AI-41306 **Comm. Court Executive Office 7. E.**

CC REGULAR

Meeting Date: 10/22/2013

Submitted For: Valde Guerra **Submitted By:** Aida Alvarez, SAFETY DIVISION

Department: SAFETY DIVISION

Information

CAPTION

Approval to accept check from Travelers Insurance Company in the amount of $9,359.94 for reimbursement of amount exceeding SIR in connection with claim of Carla Davis

BACKGROUND

DOI: 10/10/12
Official Court Reporter/Judge Juan Partida

Acct #: 3-1100-360-00-000-005-0-000

Fiscal Impact

FISCAL YEAR: 2013 **ACCT. #:** 3-1100-360-00-000-005-0-000

FUNDS AVAILABLE Y/N?: **MATCHING FUNDS Y/N?:**

BUDGETARY IMPACT:

No fiscal impact: Revenue acct

Attachments

SIR Travelers Insurance Company Check

Form Review

Inbox	Reviewed By	Date
Budget & Management	Obdett Calzada	10/17/2013 04:15 PM
Obdett Calzada	Obdett Calzada	10/18/2013 03:10 PM
Purchasing Department	Monica Badillo	10/18/2013 04:51 PM

Form Started By: Aida Alvarez Started On: 10/17/2013 01:45 PM

Final Approval Date: 10/18/2013

007485

THE TRAVELERS - SAN ANTONIO CL CLAI
P.O.BOX 65100
SAN ANTONIO TX 78265

896D 82729804

SA03735

TRAVELERS

DATE: 08/14/13
LOSS DATE: 10/29/12
FILE NUMBER: 234 LR ESE5922 R

TRISTAR RISK MANAGEMENT-D.GUERRERO
70 NE LOOP 410#800
SAN ANTONIO TX 78216

CLAIMANT:
CARLA Y DAVIS

ACCOUNT NAME:
HIDALGO COUNTY

THE TRAVELERS INDEMNITY COMPANY

EXPLANATION OF PAYMENT

Professional Liability	$9359.94
TOTAL PAID	$9359.94

CARLA DAVIS

FOR ADDITIONAL INFORMATION, CONTACT: MEGAN CARR AT (210)525-3628

226003750
DETACH CHECK

~~HNSUMM~~
~~OVRPUNS2-12129~~
DETACH CHECK

THIS DOCUMENT HAS A RED BACKGROUND - BORDER CONTAINS MICRO PRINTING AND AN ARTIFICIAL WATERMARK - HOLD AT AN ANGLE TO VIEW

Citibank, N.A.
One Penns Way
New Castle DE 19720

TRAVELERS
P.O.BOX 65100
SAN ANTONIO TX 78265
(210)525-3628

896D 82729804

62-20
311

DATE	ACCOUNT NUMBER	FILE NUMBER
08/14/13	J99	234 LR ESE5922 R

VOID IF NOT PRESENTED WITHIN ONE YEAR AFTER DATE OF ISSUE

NINE THOUSAND THREE HUNDRED FIFTY NINE AND 94/100 ---------- **PAY:** $****9,359.94 MSC

PAY TO THE ORDER OF
HIDALGO COUNTY
100 N CLOSNER
EDINBURG TX 78539

007485
SA03735

Maria Olivo
AUTHORIZED SIGNATURE

⑈82729804⑈ ⑆031100209⑆ 3862289211

TRISTAR
RISK MANAGEMENT

October 1, 2013

Roy Quintanilha
Hidalgo County
Safety Division
2818 S. Business Hwy, 281
Edinburg, Texas 78539

RE:
Claimant: Carla Davis
Claim No: 12487543
Date of Injury: 8/1/12

Dear Mr. Quintanilha:

Attached you will find a recovery check from Travelers in the amount of $9.359.94, CK# 896D82729804 regarding the above named claimant for deposit.

We have credited the claim file; please feel free to call us if you have any questions.

Sincerely,

Delia Hernandez
Branch Manager

Tristar Claim #: 12487543

Travelers Claim #: ESE5922

DOL: 10/10/2012

Dept: Judge Partida Court

Claimant: Carla Davis

TYPE: EEOC

invoice date & #	11/08/12	amount	$1,085.00	balance	$1,085.00
invoice date & #	12/07/12	amount	$1,067.29	balance	$2,152.29
invoice date & #	01/11/13	amount	$2,671.30	balance	$4,823.59
invoice date & #	02/07/13	amount	$5,217.44	balance	$10,041.03
invoice date & #	03/11/13	amount	$2,029.58	balance	$12,070.61
invoice date & #	04/04/13	amount	$9,419.25	balance	$21,489.86
invoice date & #	05/08/13	amount	$21,092.14	balance	$42,582.00
invoice date & #	06/17/13	amount	$15,753.87	balance	$58,335.87
invoice date & #	07/05/13	amount	$1,024.07	balance	$59,359.94
invoice date & #	Payroll Check/Davis	amount	$3,915.00	balance	$63,274.94
invoice date & #	Settlement/Carla Davis	amount	$22,185.00	balance	$85,459.94
invoice date & #	Settlement/Attny Kilgore	amount	$23,900.00	balance	***$109,359.94***
invoice date & #		amount		balance	
invoice date & #		amount		balance	
invoice date & #		amount		balance	
invoice date & #		amount		balance	
invoice date & #		amount		balance	

Amount Paid By County: $109,359.94

SIR Amt: $100,000.00

Amount Owed to County: ***$9,359.94***

AI-41305 **Comm. Court Executive Office 7. F.**

CC REGULAR

Meeting Date: 10/22/2013

Submitted By: Monica Badillo,
EXECUTIVE OFFICE

Department: EXECUTIVE OFFICE

Information

CAPTION

Request by American Legion Post 408 to use the courthouse square parking lot for the Veteran's Day Parade to be held on Saturday, November 2, 2013 (8-11am)

BACKGROUND

Attachments

request

Form Review

Inbox	Reviewed By	Date
Budget & Management	Obdett Calzada	10/17/2013 04:14 PM
Purchasing Department	Monica Badillo	10/18/2013 04:51 PM

Form Started By: Monica Badillo Started On: 10/17/2013

Final Approval Date: 10/18/2013

AMERICAN LEGION

ALFREDO GONZALEZ POST #408

Home Post of Alfredo C. Gonzalez
"Medal of Honor Recipient"

USS Alfredo Gonzalez DDG 66

July 9, 2013

To: Ramon Garcia,
Hidalgo County Judge,
1615 S. Closner Suite J.
Edinburg, Texas 78539

Attn: Mr. Baldemar Guerra

Subject: Veteran's Day Parade (East Parking Lot, County Courthouse)

Judge, the American Legion (Freddy Gonzalez) Post 408 is planning to have the annual Veteran's Parade on Saturday November 2, 2013. It is estimated that the parade will have approximately 70 to 75 entries to include participation from all of the local schools. The parade will take place from 8:00 a. m. to 11:00 a.m. and will terminate with final gathering at the Bobcat Football Stadium.

We are asking if you would allow us to use the parking lot east of the courthouse so that we can commence the parade from the town square (east lot) and exit at Bobcat Stadium. This would definitely make it a lot easier for us to coordinate and lineup the number of entries that will be participating in the parade.

We would appreciate any consideration you can give us. If you have any questions please feel free to call Gus Garcia (Commander) at 457-9681 or Manuel Cantu (1st Vice-Commander) at 867-5367.

For God and Country, and thanking you in advance,

Agustin (Gus) Garcia, Commander
American Legion Post 408
P. O. Box 942
Edinburg, Tx. 78540

RECEIVED
OFFICE OF EXECUTIVE OFFICER
ON: 7/11/13 BY:

4605 S. US Hwy 281
Edinburg, TX 78539

P.O. Box 942
Edinburg, TX 78540

Ph: 956-383-1182 / Email: americanlegionpost408@gmail.com

AI-41308 **Comm. Court Executive Office 7. G.**

CC REGULAR

Meeting Date: 10/22/2013

Submitted For: Annette Muniz, County Clerk's

Submitted By: Monica Badillo, EXECUTIVE OFFICE

Department: EXECUTIVE OFFICE

Information

CAPTION

Discussion, consideration and action to designate an area as allowed by Chapter 51 of the Property Code, (other than the Courthouse) to conduct public sale of real property at auction

BACKGROUND

Recommendation by County Clerk is to designate the County Clerk Records Management Facility (Old Roberts Chevrolet). - South side of the building under the covered empty space; plenty of parking on the north side of building.

Attachments

Code

email

Form Review

Inbox	Reviewed By	Date
Budget & Management	Obdett Calzada	10/17/2013 04:16 PM
Manuel Chapa	Manuel Chapa	10/17/2013 04:53 PM
Purchasing Department	Monica Badillo	10/18/2013 04:51 PM

Form Started By: Monica Badillo Started On: 10/17/2013 02:04 PM

Final Approval Date: 10/18/2013

PROPERTY CODE

TITLE 5. EXEMPT PROPERTY AND LIENS

SUBTITLE B. LIENS

CHAPTER 51. PROVISIONS GENERALLY APPLICABLE TO LIENS

Sec. 51.0001. DEFINITIONS. In this chapter:

(1) "Book entry system" means a national book entry system for registering a beneficial interest in a security instrument that acts as a nominee for the grantee, beneficiary, owner, or holder of the security instrument and its successors and assigns.

(2) "Debtor's last known address" means:

(A) for a debt secured by the debtor's residence, the debtor's residence address unless the debtor provided the mortgage servicer a written change of address before the date the mortgage servicer mailed a notice required by Section 51.002; or

(B) for a debt other than a debt described by Paragraph (A), the debtor's last known address as shown by the records of the mortgage servicer of the security instrument unless the debtor provided the current mortgage servicer a written change of address before the date the mortgage servicer mailed a notice required by Section 51.002.

(3) "Mortgage servicer" means the last person to whom a mortgagor has been instructed by the current mortgagee to send payments for the debt secured by a security instrument. A mortgagee may be the mortgage servicer.

(4) "Mortgagee" means:

(A) the grantee, beneficiary, owner, or holder of a security instrument;

(B) a book entry system; or

(C) if the security interest has been assigned of record, the last person to whom the security interest has been assigned of record.

(5) "Mortgagor" means the grantor of a security

instrument.

(6) "Security instrument" means a deed of trust, mortgage, or other contract lien on an interest in real property.

(7) "Substitute trustee" means a person appointed by the current mortgagee or mortgage servicer under the terms of the security instrument to exercise the power of sale.

(8) "Trustee" means a person or persons authorized to exercise the power of sale under the terms of a security instrument in accordance with Section 51.0074.

Added by Acts 2003, 78th Leg., ch. 554, Sec. 1, eff. Jan. 1, 2004. Amended by:

Acts 2007, 80th Leg., R.S., Ch. 903, Sec. 1, eff. June 15, 2007.

Sec. 51.001. EFFECT ON OTHER LIENS. Except as provided by Chapter 59, this subtitle does not affect:

(1) the right to create a lien by special contract or agreement; or

(2) a lien that is not treated in this subtitle, including a lien arising under common law, in equity, or under another statute of this state.

Acts 1983, 68th Leg., p. 3525, ch. 576, Sec. 1, eff. Jan. 1, 1984.

Sec. 51.002. SALE OF REAL PROPERTY UNDER CONTRACT LIEN. (a) A sale of real property under a power of sale conferred by a deed of trust or other contract lien must be a public sale at auction held between 10 a.m. and 4 p.m. of the first Tuesday of a month. Except as provided by Subsection (h), the sale must take place at the county courthouse in the county in which the land is located, or if the property is located in more than one county, the sale may be made at the courthouse in any county in which the property is located. The commissioners court shall designate the area at the courthouse where the sales are to take place and shall record the designation in the real property records of the county. The sale must occur in the designated area. If no area is designated by the commissioners court, the notice of sale must designate the area

where the sale covered by that notice is to take place, and the sale must occur in that area.

(b) Except as provided by Subsection (b-1), notice of the sale, which must include a statement of the earliest time at which the sale will begin, must be given at least 21 days before the date of the sale by:

(1) posting at the courthouse door of each county in which the property is located a written notice designating the county in which the property will be sold;

(2) filing in the office of the county clerk of each county in which the property is located a copy of the notice posted under Subdivision (1); and

(3) serving written notice of the sale by certified mail on each debtor who, according to the records of the mortgage servicer of the debt, is obligated to pay the debt.

(b-1) If the courthouse or county clerk's office is closed because of inclement weather, natural disaster, or other act of God, a notice required to be posted at the courthouse under Subsection (b)(1) or filed with the county clerk under Subsection (b)(2) may be posted or filed, as appropriate, up to 48 hours after the courthouse or county clerk's office reopens for business, as applicable.

(c) The sale must begin at the time stated in the notice of sale or not later than three hours after that time.

(d) Notwithstanding any agreement to the contrary, the mortgage servicer of the debt shall serve a debtor in default under a deed of trust or other contract lien on real property used as the debtor's residence with written notice by certified mail stating that the debtor is in default under the deed of trust or other contract lien and giving the debtor at least 20 days to cure the default before notice of sale can be given under Subsection (b). The entire calendar day on which the notice required by this subsection is given, regardless of the time of day at which the notice is given, is included in computing the 20-day notice period required by this subsection, and the entire calendar day on which notice of sale is given under Subsection (b) is excluded in computing the 20-day notice period.

(e) Service of a notice under this section by certified mail

is complete when the notice is deposited in the United States mail, postage prepaid and addressed to the debtor at the debtor's last known address. The affidavit of a person knowledgeable of the facts to the effect that service was completed is prima facie evidence of service.

(f) Each county clerk shall keep all notices filed under Subdivision (2) of Subsection (b) in a convenient file that is available to the public for examination during normal business hours. The clerk may dispose of the notices after the date of sale specified in the notice has passed. The clerk shall receive a fee of $2 for each notice filed.

(g) The entire calendar day on which the notice of sale is given, regardless of the time of day at which the notice is given, is included in computing the 21-day notice period required by Subsection (b), and the entire calendar day of the foreclosure sale is excluded.

(h) For the purposes of Subsection (a), the commissioners court of a county may designate an area other than an area at the courthouse where sales under this section will take place that is in a public place within a reasonable proximity of the county courthouse and in a location as accessible to the public as the courthouse door. The commissioners court shall record that designation in the real property records of the county. A sale may not be held at an area designated under this subsection before the 90th day after the date the designation is recorded. The posting of the notice required by Subsection (b)(1) of a sale designated under this subsection to take place at an area other than an area of the courthouse remains at the courthouse door of the appropriate county.

Text of subsection as added by Acts 2011, 82nd Leg., R.S., Ch. 592, Sec. 1

(i) Notice served under Subsection (b)(3) or (d) must state the name and address of the sender of the notice and contain a statement that is conspicuous, printed in boldface or underlined type, and substantially similar to the following: "Assert and

----- Forwarded Message -----
From: "Valde Guerra" <valde.guerra@co.hidalgo.tx.us>
To: "Annette C. Muniz" <acmuniz@hidalgocountyclerk.us>
Cc: "yolanda chapa" <yolanda.chapa@co.hidalgo.tx.us>, aguasero13@yahoo.com
Sent: Monday, September 9, 2013 1:02:45 PM
Subject: Re: monthly property sales

Thank you.

Sent from my iPhone

On Sep 9, 2013, at 10:25 AM, "Annette C. Muniz" <acmuniz@hidalgocountyclerk.us> wrote:

> Valde,
>
> As per our discussion on Friday, attached please find Property Code Chapter 51. As mentioned, the area in front of the courthouse has become increasingly congested. The situation becomes worse on the first Tuesday of the month when property sales are held. Our recommendation would be to move the sales to the County Clerk Records Management Facility (Old Robert Chev.). The area that would be ideal is on the south side of the building under the covered empty space. There is plenty of parking of the north side of the building.
>
> The move is acceptable according to Chapter 51, however it would require approval from Commissioners' Court. The law states if approved the move would take place 90 days after, however we suggest to have the approval done as soon as possible and not make the move till the 1st Tuesday in January. This would give enough time to advertise to the public.
>

> Thank you for taking this to Commissioners' Court for their consideration. Please feel free to contact me should you have any questions.
>
> Annette C. Muniz
> Chief Deputy
> Office of
> Arturo Guajardo, Jr.
> Hidalgo County Clerk
> P.O. Box 58 / 100 N. Closner
> Edinburg, Texas 78540
> (956) 318-2119
> <Scan0007.pdf>

AI-41103 **Health & Human Services Dept. 8. A.**

CC REGULAR

Meeting Date: 10/22/2013

Submitted For: Eddie Olivarez **Submitted By:** Perla Lopez, HEALTH & HUMAN SERVICES DEPT.

Department: HEALTH & HUMAN SERVICES DEPT.

Information

CAPTION

Public Hearing to consider public comment on proposed 3-year projects to be included on the Regional Healthcare Partnership Plan for Region 5 prior to submission to the Texas Department of Health & Human Services Commission (HHSC) on or before October 31, 2013.

BACKGROUND

The proposed 3-year projects (DY3-DY5) take effect October 1, 2013 - September 30, 2016.
List of proposed 3-year project will be available at CC.

Fiscal Impact

FISCAL YEAR: **ACCT. #:**

FUNDS AVAILABLE Y/N?: **MATCHING FUNDS Y/N?:**

BUDGETARY IMPACT:

No budgetary impact.

Attachments

Public Hearing Notice

Form Review

Inbox	Reviewed By	Date
Perla Lopez (Originator)	Perla Lopez	10/18/2013 09:45 AM
Budget & Management	Obdett Calzada	10/18/2013 01:58 PM
Obdett Calzada	Obdett Calzada	10/18/2013 02:20 PM
Purchasing Department	Monica Badillo	10/18/2013 04:51 PM

Form Started By: Perla Lopez Started On: 10/07/2013 10:12 AM

Final Approval Date: 10/18/2013

PUBLIC HEARING NOTICE

South Texas
Regional Healthcare Partnership
Region 5

Region 5 is planning to hold two Public Hearings for public comment on proposed 3-year projects for addition to the Regional Healthcare Plan prior to submission to the Texas Department of Health & Human Services Commission on October 31, 2013.

The Public Hearing is for all interested parties to provide comment on the proposed 3-year projects for addition to the RHP plan.

Public Hearing Dates & Times:

October 22, 2013
10:30 AM
Hidalgo County Commissioners' Court
Edinburg Council Chambers
415 W University Drive
Edinburg, Texas

October 24, 2013
8:30 AM
Cameron County Commissioners' Court
1100 E. Monroe Street
Brownsville, Texas

RHP Region 5 Contact:
Eddie Olivarez, Anchor
956-383-8858
1304 South 25th Avenue
Edinburg, Texas 78542
Eddie.olivarez@hchd.org

AI-41310 **Health & Human Services Dept. 8. B.**

CC REGULAR

Meeting Date: 10/22/2013

Submitted For: Eddie Olivarez **Submitted By:** Mike Escaname, HEALTH & HUMAN SERVICES DEPT.

Department: HEALTH & HUMAN SERVICES DEPT.

Information

CAPTION

1. Approval of Waivers of Contract Provision from the Texas Department of State Health Services. DSHS is waiving the requirement that Contractor must submit payment requests electronically as set forth in the DSHS grant contracts for FY 2014.

2. Approval for County Judge to sign waivers.

BACKGROUND

Fiscal Impact

FISCAL YEAR: See Below **ACCT. #:** 3-1293-441-00-340-0xx-4-xxx

FUNDS AVAILABLE Y/N?: Y **MATCHING FUNDS Y/N?:** Y

BUDGETARY IMPACT:

County calendar / fiscal year: 2013
Grant contracts calendar / fiscal year: 2014

No fiscal impact to grant budget.

Attachments

Waiver
Waiver TB
Waiver 10.18.13

Form Review

Inbox	Reviewed By	Date
Budget & Management	Obdett Calzada	10/17/2013 04:18 PM
Obdett Calzada	Obdett Calzada	10/18/2013 03:13 PM
Purchasing Department	Monica Badillo	10/18/2013 04:51 PM

Form Started By: Mike Escaname Started On: 10/17/2013 02:44 PM

Final Approval Date: 10/18/2013

TEXAS DEPARTMENT OF STATE HEALTH SERVICES

P.O. Box 149347
Austin, Texas 78714-9347
1-888-963-7111
TTY: 1-800-735-2989
www.dshs.state.tx.us

DAVID L. LAKEY, M.D.
COMMISSIONER

October 17, 2013

Ramon Garcia
Hidalgo County
302 W. University Dr.
Edinburg, TX 78542

RE: Waiver of Contract Provision
Contract #: 2014-001134-00
Program: CPS/HAZARDS

Dear Contractor:

This letter shall serve as formal notice that the Department of State Health Services is waiving, until further notice, the requirement that Contractor must submit payment requests electronically as set forth in Contract # 2014-001134-00, Statement of Work, Section 7.

Until the Department of State Health Services notifies Contractor in writing to begin billing electronically as set forth in Section 7, Contractor shall request payment using the State of Texas Purchase Voucher (Form B-13) and acceptable supporting documentation for reimbursement of the required services/deliverables. Vouchers and supporting documentation should be mailed or submitted by fax or electronic mail to the addresses/number below.

Claims Processing Unit, MC1940
Department of State Health Services
1100 West 49th Street
PO Box 149347
Austin, TX 78714-9347

The fax number for submitting State of Texas Purchase Voucher (Form B-13) to the Claims Processing Unit is (512) 776-7442. The email address is invoices@dshs.state.tx.us.

This letter shall further serve as formal notice that the Department of State Health Services is waiving, until further notice, the requirement that Contractor must submit

financial status reports (FSRs) electronically as set forth in Contract # 2014-001134-00, Statement of Work, Section 16, FY 2014 DSHS Contract General Provisions.

Until the Department of State Health Services notifies Contractor in writing to begin submitting FSRs electronically as set forth in Section 16, Contractor shall submit quarterly FSRs to Accounts Payable by the last business day of the month following the end of each quarter of the Program Attachment term for Department review and financial assessment. Contractor shall submit the final FSR no later than sixty (60) calendar days following the end of the applicable term.

Should you have any questions regarding this waiver, please contact your Assigned Contract Manager. Please have a representative from your Agency sign below indicating your receipt and acknowledgement of this waiver letter and return it to your DSHS Assigned Contract Manager via electronic mail at jason.adams@dshs.state.tx.us on or before November 1, 2013.

Sincerely,

David Gruber
Assistant Commissioner
Division for Regional Local Health Services
Texas Department of State Health Services

cc: DSHS Assigned Contract Manager
Vonda White, CTPM, Procurement & Contracting Services
Evangelina Rubio

By signature below, I acknowledge receipt of this waiver letter:

_____ _____

(Signature of Agency Representative) (Date)

TEXAS DEPARTMENT OF STATE HEALTH SERVICES

P.O. Box 149347
Austin, Texas 78714-9347
1-888-963-7111
TTY: 1-800-735-2989
www.dshs.state.tx.us

DAVID L. LAKEY, M.D.
COMMISSIONER

October 17, 2013

Eduardo Olivarez
Hidalgo County
1304 South 25th Ave.
Edinburg, TX 78542

RE: Waiver of Contract Provision
Document #: 2014-001400, 2014-001417
Program: TB/FED and TB/State

Dear Contractor:

This letter shall serve as formal notice that the Department of State Health Services is waiving, until further notice, the requirement that Contractor must submit payment requests electronically as set forth in Contract # 2014-001400, 2014-001417, Statement of Work, Section 7.

Until the Department of State Health Services notifies Contractor in writing to begin billing electronically as set forth in Section 7, Contractor shall request payment using the State of Texas Purchase Voucher (Form B-13) and acceptable supporting documentation for reimbursement of the required services/deliverables. Vouchers and supporting documentation should be mailed or submitted by fax or electronic mail to the addresses/number below.

Claims Processing Unit, MC1940
Department of State Health Services
1100 West 49th Street
PO Box 149347
Austin, TX 78714-9347

The fax number for submitting State of Texas Purchase Voucher (Form B-13) to the Claims Processing Unit is (512) 776-7442. The email address is invoices@dshs.state.tx.us.

This letter shall further serve as formal notice that the Department of State Health Services is waiving, until further notice, the requirement that Contractor must submit financial status reports (FSRs) electronically as set forth in Contract #2014-001400, 2014-001417, Section 17, FY 2014 DSHS Contract General Provisions.

Until the Department of State Health Services notifies Contractor in writing to begin submitting FSRs electronically as set forth in Section 17, Contractor shall submit quarterly FSRs to Accounts Payable by the last business day of the month following the end of each quarter of the Program Attachment term for Department review and financial assessment. Contractor shall

submit the final FSR no later than sixty (60) calendar days following the end of the applicable term.

Should you have any questions regarding this waiver, please contact your Assigned Contract Manager. Please have a representative from your Agency sign below indicating your receipt and acknowledgement of this waiver letter and return it to your DSHS Assigned Contract Manager via electronic mail at kathy.sharp@dshs.state.tx.us on or before November 1, 2013.

Sincerely,

Janna Zumbrun, MSSW
Assistant Commissioner
Division for Disease Control and Prevention Services
Texas Department of State Health Services

cc: DSHS Assigned Contract Manager
Vonda White, CTPM, Procurement & Contracting Services

By signature below, I acknowledge receipt of this waiver letter:

_____ _____

(Signature of Agency Representative) (Date)

TEXAS DEPARTMENT OF STATE HEALTH SERVICES

P.O. Box 149347
Austin, Texas 78714-9347
1-888-963-7111
TTY: 1-800-735-2989
www.dshs.state.tx.us

DAVID L. LAKEY, M.D.
COMMISSIONER

October 17, 2013

Ramon Garcia
County Judge
Hidalgo County
1304 S. 25th Avenue
Edinburg, Texas 78542

RE: Waiver of Contract Provision
Document #: 2014-000022-00
Program: IMMUNIZATION/LOCALS

Dear Contractor:

This letter shall serve as formal notice that the Department of State Health Services is waiving, until further notice, the requirement that Contractor must submit payment requests electronically as set forth in Contract # 2014-000022-00, Statement of Work, Section 7.

Until the Department of State Health Services notifies Contractor in writing to begin billing electronically as set forth in Section 7, Contractor shall request payment using the State of Texas Purchase Voucher (Form B-13) and acceptable supporting documentation for reimbursement of the required services/deliverables. Vouchers and supporting documentation should be mailed or submitted by fax or electronic mail to the addresses/number below.

Claims Processing Unit, MC1940
Department of State Health Services
1100 West 49th Street
PO Box 149347
Austin, TX 78714-9347

The fax number for submitting State of Texas Purchase Voucher (Form B-13) to the Claims Processing Unit is (512) 776-7442. The email address is invoices@dshs.state.tx.us.

This letter shall further serve as formal notice that the Department of State Health Services is waiving, until further notice, the requirement that Contractor must submit financial status reports (FSRs) electronically as set forth in Contract # 2014-000022-00, Section 17, FY 2014 DSHS Contract General Provisions.

Until the Department of State Health Services notifies Contractor in writing to begin submitting FSRs electronically as set forth in Section 17, Contractor shall submit quarterly FSRs to Accounts Payable by the last business day of the month following the end of each quarter of the

Program Attachment term for Department review and financial assessment. Contractor shall submit the final FSR no later than sixty (60) calendar days following the end of the applicable term.

Should you have any questions regarding this waiver, please contact your Assigned Contract Manager. Please have a representative sign below indicating your receipt and acknowledgement of this waiver letter and return it to your DSHS Assigned Contract Manager via electronic mail at jonah.wilczynski@dshs.state.tx.us on or before November 1, 2013.

Sincerely,

Janna Zumbrun, MSSW
Assistant Commissioner
Division for Disease Control and Prevention Services
Texas Department of State Health Services

cc: Jonah Wilczynski, CTCM, Contract Management Unit
Vonda White, CTPM, Procurement & Contracting Services
Eduardo Olivarez, Chief Administrative Officer, Hidalgo County

By signature below, I acknowledge receipt of this waiver letter:

_____ _____

(Signature of Agency Representative) (Date)

AI-41236 **Adult Probation 9. A.**

CC REGULAR

Meeting Date: 10/22/2013

Submitted By: Rosie Cantu, BUDGET & MANAGEMENT

Department: BUDGET & MANAGEMENT

Information

CAPTION

DWI Court Grant (1297):
1. Approval of certification of revenue as certified by the County Auditor for the DWI Court grant.
2. Approval of appropriation of funds in the amount of $142,819.20.
3. Approval to authorize the decrease/ removal of supplemental pay allowance for the following employees:

Action	Dept	Slot #	Emp #	Position Title	Current Allow. Amount	Proposed Allow. Amount
Decrease	Crim. DA (1100)	0026	127531	Assistant D.A. IV	$9,910.00	$9,837.00
Remove	139th DC (1100)	0002	020524	Court Coordinator	$6,395.00	-0-
Remove	139th DC (1100)	0004	088439	Assistant Court Coord.	$6,395.00	-0-

4. Approval of salary schedule.

BACKGROUND

Authorizations are as follows for the DWI Court grant:

Action	CC Meeting Date	Agenda Item
Approval to apply	02/05/13	AI- 36557/ 12.A
resolution establishing the DWI Court	10/07/13	AI- 40860/ 11.A
Acceptance of grant	10/07/13	AI- 40860/ 11.A

Fiscal Impact

FISCAL YEAR: 2013 **ACCT. #:** 3-1297-423-00-320-032-4-XXX

FUNDS AVAILABLE Y/N?: YES **MATCHING FUNDS Y/N?:** NO

BUDGETARY IMPACT:

PAYMENT OF SUPPLEMENTAL PAY ALLOWANCE AND RELATED FRINGE BENEFITS TO BE PAID FROM THE CRIM DA ACCOUNT # 3-1100-412-00-080-002-0-XXX; EXPENDITURES ARE ON A REIMBURSEMENT BASIS AND WILL BE RECLASSIFIED TO GRANT ONCE REIMBURSEMENT IS RECEIVED.

3-1297-334-10-320-032-4-000 DWI REVENUES

GRANT FISCAL YEAR: 2014
COUNTY CALENDAR/FISCAL YEAR: 2013
GRANT PERIOD 09/01/13 TO 08/31/14

Attachments

DWI grant categorical budget
grand award
PAR forms
Fiscal Note
Grant
Appropriation

Form Review

Inbox	Reviewed By	Date
Rosalinda Cantu (Originator)	Rosie Cantu	10/18/2013 11:40 AM
Budget & Management	Obdett Calzada	10/18/2013 01:28 PM
Purchasing Department	Monica Badillo	10/18/2013 04:51 PM

Form Started By: Rosie Cantu Started On: 10/15/2013

Final Approval Date: 10/18/2013

Print This Page

Agency Name: Hidalgo County
Grant/App: 2413904 **Start Date:** 9/1/2013 **End Date:** 8/31/2014

Project Title: Hidalgo County DWI Court
Status: Pending AO Acceptance of Award

Budget Details Information

Budget Information by Budget Line Item:

CATEGORY	SUB CATEGORY	DESCRIPTION	CJD	CASH MATCH	IN-KIND MATCH	GPI	TOTAL	UNIT/%
Personnel	Counselor and/or Therapist (licensed)	Substance Abuse counselor provides direct services to offenders to address individual substance abuse problems. Counselor also conducts group sessions.	$47,958.00	$0.00	$0.00	$0.00	$47,958.00	100
Personnel	Probation Officer	Probation Officer (1) supervises and monitors the offenders in the program; will provide case management for the offenders on the program; officer conducts visits as needed and administers drug tests; also attends staffings and court hearings and keeps the judge abreast of offenders' progress.	$57,918.00	$0.00	$0.00	$0.00	$57,918.00	100
Personnel	Probation Officer	Probation Officer (2) supervises and monitors offenders in the program; provides case management for the offenders in the program conducting drug tests. Officer participates in staffings and court hearings, keeping the judge abreast of offenders' progress. The total salary for the probation officer is $56,958.16 and 43% of the salary ($24643.20) will come from the grant (CJD) and the rest will be from operating funds for the CSCD. Although the position funding will come from 2 sources, the position is 100% dedicated to the project.	$24,643.20	$0.00	$0.00	$0.00	$24,643.20	43
Personnel	Prosecutor	Prosecutor representative from DA office ; Prosecutor reviews the cases for enterance into the program; prosecutor participates in the staffings.	$12,300.00	$0.00	$0.00	$0.00	$12,300.00	15

You are logged in as **User Name**: rudyperez

State of Texas
Office of the Governor
Criminal Justice Division

Rick Perry
Governor

September 13, 2013

Mr. Rudy Perez
Assistant Director
PREVIEW - Hidalgo County - PREVIEW -
100 E. Cano
Edinburg, Texas 78539-4582

Dear Mr. Perez:

Congratulations on your award! To activate your agency's grant, the Authorized Official must log on to eGrants at https://eGrants.governor.state.tx.us and go to the 'My Home' tab. In the 'Project Status' column, locate the application that is in 'Pending Acceptance of Award' status. Click on the grant number and proceed to the 'Accept Award' tab. From this tab, click on the 'Accept' button. Grants must be accepted within 45 calendar days of the date the award was issued.

Be sure to review the attached memo for a quick overview of general items every grantee should be aware of. You can also find more detailed information on the eGrants website including helpful resources, links, and tools needed to properly administer CJD grants. The Guide to Grants, also on the website, contains answers to questions frequently asked by grantees. The Public Policy Research Institute (PPRI) at Texas A&M University will send a detailed information packet to the Project Director containing progress reporting forms and instructions on completing and submitting those forms.

If you have any questions regarding this award, feel free to contact your grant manager, whose name is referenced in the attached Statement of Grant Award or you may always contact our office via the eGrants Help Desk at eGrants@governor.state.tx.us.

We look forward to working with you to ensure the success of your program.



Christopher Burnett
Executive Director

OFFICE OF THE GOVERNOR
CRIMINAL JUSTICE DIVISION
STATEMENT OF GRANT AWARD

Grant Number:	DC-14-A10-24139-04	**CFDA or State ID:**	00.303
Program Fund:	DC-Drug Court Program		
Grantee Name:	PREVIEW - Hidalgo County - PREVIEW -		
Project Title:	Hidalgo County DWI Court		
Grant Period:	09/01/2013 - 08/31/2014		
Liquidation Date:	11/29/2014		
Date Awarded:	September 13, 2013		
CJD Grant Manager:	Anissa Johnson		

CJD Award Amount:	$142,819.20
Grantee Cash Match:	$0.00
Grantee In Kind Match:	$0.00
Total Project Cost:	$142,819.20

The Statement of Grant Award is your official notice of award from the Governor's Criminal Justice Division (CJD). The approved budget is reflected in the Budget/Details tab for this record in eGrants. The grantee agrees to comply with the provisions of the Governor's Criminal Justice Division's rules in Title I, Part I, Chapter 3, Texas Administrative Code in effect on the date the grant is awarded. By clicking on the 'Accept' button within the 'Accept Award' tab, the grantee accepts the responsibility for the grant project and agrees with the following conditions of grant funding. The grantee's funds will not be released until the grantee has satisfied the requirements of the following Condition(s) of Funding and Other Fund-Specific Requirement(s), if any, cited below:

Condition(s) of Funding and Other Fund-Specific Requirement(s):

1 Other Condition of Funding. During FY 2014 CJD will allow your agency to use the Addition Method to add generated program income to the OOG budget in an amount up to $43,700.00, resulting in an overall increase in the approved budget. Once this amount has been reached further collected generated program income must be applied using the Deduction Method, which will begin to reduce the OOG award amount. All generated program income must be reported to CJD through a formal grant adjustment to secure CJD approval prior to use of the program income.

2 Other Condition of Funding. Grantee is required to report the SID number for all graduates as part of the end-of-year progress report to the Public Policy Research Institute at Texas A & M University.

3 Other Condition of Funding. Pursuant to SB 462 relating to specialty court programs in Texas that was passed during the Regular 83rd Legislative Session, please upload a completed Specialty Court Registration Form, which will serve as written notice of your program and a copy of the original resolution or other official declaration that established your program. The Registration Form is available on the eGrants Updates page under Forms.

State of Texas
Office of the Governor
Criminal Justice Division

Rick Perry
Governor

Memorandum

To: CJD Grant Recipients
From: Aimee Snoddy, Deputy Director
Contact: (512) 463-1919
Re: Grantee Responsibilities
Date Awarded: September 13, 2013

Congratulations on your grant award from Governor Rick Perry's Criminal Justice Division (CJD). It is important to make you aware of a few things to consider as you implement strategies to successfully manage your program. For more information and resources, refer to the Grant Resources section of eGrants available online at https://eGrants.governor.state.tx.us.

Financial Reporting – Financial Status Reports must be submitted to CJD via eGrants. Financial Status Reports may be submitted monthly but must be submitted at least quarterly. Financial Status Reports are due after each calendar quarter, regardless of when the grant was awarded. Due dates are:

April 22 (January-March quarter)
July 22 (April-June quarter)
October 22 (July-September quarter)
January 22 (October-December quarter)

The final Financial Status Report must be submitted to CJD on or before the grant liquidation date or funds will lapse and CJD will provide them as grants to others who need the funding.

Payment Authorization – Payments will be generated based on expenditures reported in the Financial Status Reports. Upon CJD approval of the Financial Status Report, a payment will be issued through direct deposit or electronic transfer.

Generated Program Income – Any income generated as a direct result of the grant activities must be reported to CJD through the Financial Status Report and grant adjustment processes. Program income must be used to offset project costs unless prior approval is granted allowing a supplement to project costs. Program income must be expended prior to seeking payments from CJD and must be accounted and used for the purposes of the grant activities as awarded.

Grant Funded Personnel – Staff whose salaries are supported by this award must be made aware that continued funding is contingent upon the availability of appropriated funds as well as the outcome of the annual application review conducted by CJD.

Project Changes – Grantees may submit a request for grant adjustment via eGrants for any proposed budgetary or programmatic changes, including updating contact information for grant officials.

Equipment – Equipment purchased with grant funds must be used for the purpose of the grant and as approved by CJD. An inventory report must be kept on file containing all equipment purchased with any grant funds during the grant period. This report must agree with the approved grant budget and the final Financial Status Report.

Fidelity Bond – Each nonprofit corporation receiving funds from CJD must obtain and have on file a blanket fidelity bond that indemnifies CJD against the loss or theft of the entire amount of grant funds, including matching funds. The fidelity bond should cover at least the CJD grant period.

Required Notifications – Grantees must immediately notify CJD in writing of any misappropriation of funds, fraud, theft, embezzlement, forgery, or any other serious irregularities indicating noncompliance with grant requirements. Grantees must notify the local prosecutor's office of any possible criminal violations. Grantees must immediately notify CJD in writing if a project or project personnel become involved in any litigation, whether civil or criminal, and the grantee must immediately forward a copy of any demand notices, subpoenas, lawsuits, or indictments to CJD. If a federal or state court or administrative agency renders a judgment or order finding discrimination by a grantee based on race, color, national origin, sex, age, or handicap, the grantee agrees to immediately forward a copy of the judgment or order to CJD.

Project Effectiveness – Grantees should regularly evaluate the effectiveness of their projects. This includes a reassessment of project activities and services to determine whether they continue to be effective. Grantees must show that their activities and services effectively address and achieve the project's stated purpose.

Programmatic Reporting – Grantees must submit required reports regarding grant information, performance, and progress towards goals and objectives in accordance with the instructions provided by CJD, or its designee. To remain eligible for funding, the grantee must be able to show the scope of services provided and the impact and quality of those services.

Monitoring – Grantees must readily make available to the Governor's Office or its agents all requested records. The Governor's Office may make unannounced monitoring visits at any time. The grantee must make every effort to resolve all issues, findings, or actions identified within the time frame specified by the Governor's Office.

Audit Requirements – Grantees expending over $500,000 in state or federal grant funds during the fiscal year are subject to the Single Audit requirements set forth in OMB Circular No. A 133 at http://www.whitehouse.gov/omb/circulars/index.html and the State Single Audit Circular issued under the Uniform Grant Management Standards (UGMS) at http://www.governor.state.tx.us/grants/what/. Grantees must electronically submit to the Governor's Office copies of the results of any single audit conducted in accordance with OMB Circular No. A-133 at http://www.whitehouse.gov/omb/circulars/index.html or in accordance with the State Single Audit Circular issued under UGMS, within 30 calendar days after the grantee receives the audit results or nine months after the end of the audit period, whichever is earlier.

Supplanting – Awarded funds must be used to supplement existing funds for program activities and not replace (supplant) funds that have been appropriated for the same purpose. Grant monitors and auditors will look for potential supplanting during reviews. Violations may result in a range of penalties, including suspension of future funds, suspension or debarment from receiving federal or state grants, recoupment of monies provided under the grant, and civil or criminal penalties. Refer to the Guide to Grants at https://eGrants.governor.state.tx.us/updates.aspx for additional information on supplanting.

Conflict of Interest – Grantees should have in place established safeguards to prohibit employees from using their positions for a purpose that is, or gives the appearance of being motivated by a desire for private gain for themselves or others, particularly those with whom they have family, business, or other ties.

Contracting and Procurement – Grantees must follow their established policy and best practices for procuring goods or services with grant funds. Contracts must be routinely monitored for delivery of services or goods. When contractual or equipment procurement is anticipated to be in excess of $100,000, grantees must submit a Procurement Questionnaire https://eGrants.governor.state.tx.us/updates.aspx to CJD for approval prior to procurement.

Travel – Grantees must follow their established policies and good fiscal stewardship related to travel expenses. If the grantee does not have established policies regarding in-state and out-of-state travel, grantee must use the travel guidelines established for state employees.

Uniform Crime Reporting – Local units of governments receiving funds from CJD must comply with all requirements for uniform crime reporting and must ensure that prompt reporting will remain current throughout the grant period.

Criminal History Reporting - Entities receiving funds from CJD must comply with all requirements outlined in the Texas Code of Criminal Procedure, Ch. 60, related to maintaining and reporting criminal history records.

Limited English Proficiency – Grantees must take reasonable steps to ensure that persons with limited English proficiency have meaningful access to services. Meaningful access may entail providing language assistance services, including oral and written translation when necessary. Additional information on this requirement can be found at http://www.lep.gov.

Law Enforcement Programs – Law enforcement programs receiving funds from CJD must be in compliance with all rules developed by the Texas Commission on Law Enforcement Officer Standards and Education.

28 C.F.R. Part 23 Training - Any grant funded individual responsible for entering information into or retrieving information from an intelligence database must complete continuing education training on operating principles described by 28 C.F.R. Part 23 at least once for each continuous two-year period the person has primary responsibility for entering data into or retrieving data from an intelligence database.

Programs Approved to Pay Overtime for Personnel - Overtime is allowable to the extent that it is included in the CJD approved budget, the grantee agency has an overtime policy approved by its governing body, and both grant-paid and non-grant paid personnel are treated the same with regards to the application of overtime policy(ies). In addition, in no case is dual compensation allowable. That is, an employee of a grantee agency may not receive compensation for hours worked (including paid leave) from his/her agency AND from an award for a single period of time, even though such work may benefit both activities. Overtime payments issued outside of these guidelines are the responsibility of the grantee agency.

Cancellation for Awards - Grantees must take reasonable steps to commence project activities upon receiving notice of a grant award:

> **Commencement Within 60 Days.** If a project is not operational within 60 days of the original start date of the award period or grant award date as noted on this memorandum, whichever is later, the grantee must report by letter to CJD the steps taken to initiate the project, the reasons for delay, and the expected revised start date.

Commencement Within 90 Days. If a project is not operational within 90 days of the original start date of the award period or grant award date as noted on this memorandum, whichever is later, the grantee must submit a second statement to CJD explaining the implementation delay. Upon receipt of the 90-day letter, CJD may cancel the project and redistribute the funds to other project areas. CJD may also, where extenuating circumstances warrant, extend the implementation date of the project past the 90-day period.

Public Information Requests - Grantees must immediately notify and provide a copy to CJD of any Public Information Request received by the agency related to this grant award.

Prohibited Acts of Agencies and Individuals - Grant funds may not be used in connection with the following acts by agencies or individuals employed by grant funds:

- Grant funds may not be used to finance or otherwise support the candidacy of a person for an elected local, state, or federal office. This prohibition extends to the direct or indirect employment of a person to perform an action described by this subsection. In addition, grant-funded or grant-leased motor vehicles may not be used for the purpose described above.
- Grant officials or grant funded employees may not use official authority or influence or permit the use of a program administered by the grantee agency of which the person is an officer or employee to interfere with or affect the result of an election or nomination of a candidate or to achieve any other political purpose.
- Grant funded employees may not coerce, attempt to coerce, command, restrict, attempt to restrict, or prevent the payment, loan, or contribution of anything of value to a person or political organization for a political purpose.
- Grantees must comply with the federal Hatch Act (5 U.S.C. §§ 1501- 1508) which restricts the political activity of some state and local employees who work in connection with federally funded programs. Covered state and local employees may not: 1) be candidates for public office in a partisan election; 2) use official authority or influence to interfere with or affect the results of an election or nomination; or, 3) directly or indirectly coerce contributions from subordinates in support of a political party or candidate.

Employment of a Lobbyist - Grant funds may not be used to employ, as a regular full-time or part-time or contract employee, a person who is required by Chapter 305 of the Government Code to register as a lobbyist. Furthermore, grant funds may not be used to pay, on behalf of the agency or an officer or employee of the agency, membership dues to an organization that pays part or all of the salary of a person who is required by Chapter 305 of the Government Code to register as a lobbyist.

Legislative Lobbying - Grant funds may not be used to attempt to influence the passage or defeat of a legislative measure.

Use of Alcoholic Beverages - Grant funds may not be used to compensate an officer or employee who uses alcoholic beverages on active duty. In addition, grant funds may not be used to purchase an alcoholic beverage or to pay or reimburse a travel expense that was incurred for an alcoholic beverage.

HIDALGO COUNTY
Personnel Adjustment Request Form

DEPARTMENT NAME/NUMBER: DISTRICT ATTORNEY (080-002) DATE: 10/15/2013

CURRENT POSITION TITLE: ASSISTANT DISTRICT ATTORNEY III CURRENT SLOT #: 0026

REQUESTED POSITION TITLE: N/A

REQUEST FOR:

[ ] New Position [ ] Temporary Position [ ] Position Reclassification* [X] Other DECREASE IN SUPPLEMENTAL PAY

* Civil Service Positions are submitted to the Civil Service Commission.

POSITION SALARY REQUEST:

Allowance Amount:

$ 9,910.00	$ 9,837.00	$ (73.00)
Current Allowance Amount	Proposed Allowance Amount	Net Change

Position to be funded from one of the following:

[ ] Current Department Budget [ ] Annual Budget Cycle [ ] Will Require Additional Funds

[X] Other CRIM DA. EXPENSES TO BE RECLASSIFIED TO ADULT PROB - DWI COURT GRANT (3-1297-423-00-320-032-3-XXX) ACCOUNT

POSITION Type:

Full Time Employee Object 113 [X] Part Time Employee Object 114 [ ] _____ Enter hourly rate for temp. positions

Full Time Employee Temporary Object 121 [ ] Part Time Temporary Object 122 [ ] $ _____ Hourly Rate "2,080 hrs. per year = Annual Salary

TEMPORARY POSITIONS: N/A

Start Date	End Date	Working Days & Hours	Hours Per Week	Duration (2 weeks, 3 months, etc.)

CIVIL SERVICE:
Exempt [X]
Non-Exempt [ ]
N/A [ ]

FLSA:
Exempt [X]
Non-Exempt [ ]

JUSTIFICATION/PRIORITY: (Explain why this position or adjustment request is essential)

TO COMPLY WITH THE GRANT MANDATED ALLOCATION AMOUNT.

NEW POSITION: Brief job description and attach a copy of the new job description.

POSITION RECLASSIFICATION: Explain change and/or increase in duties and responsibility. (Attach new job description)

COMMENTS: (Any comments you wish to make regarding this request)

HUMAN RESOURCES: Classification and Salary Recommendation

BUDGET & MANAGEMENT: Classification and Salary Recommendation

1.	DEPARTMENT HEAD - DISTRICT ATTORNEY	Date	FUNDING AVAILABLE IN DEPT. BUDGET	YES	☐	NO
2.	DEPARTEMENT HEAD - ADULT PROBATION	10-17-13 Date	PERSONNEL PROCEDURES COMPLETED	YES	☐	NO
3.	HUMAN RESOURCES DIRECTOR	Date	PERSONNEL PROCEDURES COMPLETED	☐ YES	☐	NO
4.	DEPARTMENT OF BUDGET & MANAGEMENT	10/18/13 Date	BUDGET PROCEDURES COMPLETED	☑ YES	☐	NO
5.	COMMISSIONERS' COURT APPROVAL	Date				

HIDALGO COUNTY
Personnel Adjustment Request Form

DEPARTMENT NAME/NUMBER: 139TH DC (003-001) DATE: 10/15/2013

CURRENT POSITION TITLE: COURT COORDINATOR CURRENT SLOT #: 0002

REQUESTED POSITION TITLE: N/A

REQUEST FOR:

[ ] New Position [ ] Temporary Position [ ] Position Reclassification* [X] Other REMOVAL OF SUPPLEMENTAL PAY

* Civil Service Positions are submitted to the Civil Service Commission.

POSITION SALARY REQUEST:

Allowance Amount:

$ 6,395.00	$ 0.00	$ (6,395.00)
Current Allowance Amount	Proposed Allowance Amount	Net Change

Position to be funded from one of the following:

[ ] Current Department Budget [ ] Annual Budget Cycle [ ] Will Require Additional Funds

[X] Other NO FUNDING IS REQUIRED.

POSITION Type:

Full Time Employee Object 113 [X] Part Time Employee Object 114 [ ] _____ Enter hourly rate for temp. positions

Full Time Employee Temporary Object 121 [ ] Part Time Temporary Object 122 [ ] $ _____ Hourly Rate "2,080 hrs. per year = Annual Salary

TEMPORARY POSITIONS: N/A

Start Date	End Date	Working Days & Hours	Hours Per Week	Duration (2 weeks, 3 months, etc.)

CIVIL SERVICE:
Exempt [X]
Non-Exempt [ ]
N/A [ ]

FLSA:
Exempt [ ]
Non-Exempt [X]

JUSTIFICATION/PRIORITY: (Explain why this position or adjustment request is essential)

MONIES NOT ALLOCATED FOR THE DISTRICT COURTS IN FY 2014 DWI GRANT.

NEW POSITION: Brief job description and attach a copy of the new job description.

POSITION RECLASSIFICATION: Explain change and/or increase in duties and responsibility. (Attach new job description)

COMMENTS: (Any comments you wish to make regarding this request)

HUMAN RESOURCES: Classification and Salary Recommendation

BUDGET & MANAGEMENT: Classification and Salary Recommendation

1.	DEPARTMENT HEAD - 139TH DISTRICT COURT	Date	FUNDING AVAILABLE IN DEPT. BUDGET	X	YES	NO
2.	DEPARTEMENT HEAD - ADULT PROBATION	10-17-13 Date	PERSONNEL PROCEDURES COMPLETED	X	YES	NO
3.	HUMAN RESOURCES DIRECTOR	Date	PERSONNEL PROCEDURES COMPLETED		YES	NO
4.	DEPARTMENT OF BUDGET & MANAGEMENT	10/18/13 Date	BUDGET PROCEDURES COMPLETED	✓	YES	NO
5.	COMMISSIONERS' COURT APPROVAL	Date				

HIDALGO COUNTY
Personnel Adjustment Request Form

DEPARTMENT NAME/NUMBER: 139TH DC (003-001) DATE: 10/15/2013

CURRENT POSITION TITLE: ASSISTANT COURT COORDINATOR CURRENT SLOT #: 0004

REQUESTED POSITION TITLE: N/A

REQUEST FOR:

[ ] New Position [ ] Temporary Position [ ] Position Reclassification* [X] Other REMOVAL OF SUPPLEMENTAL PAY

* Civil Service Positions are submitted to the Civil Service Commission.

POSITION SALARY REQUEST:

Allowance Amount:

$ 6,395.00 (Current Allowance Amount) $ 0.00 (Proposed Allowance Amount) $ (6,395.00) (Net Change)

Position to be funded from one of the following:

[ ] Current Department Budget [ ] Annual Budget Cycle [ ] Will Require Additional Funds

[X] Other NO FUNDING IS REQUIRED.

POSITION Type:

Full Time Employee Object 113 [X] Part Time Employee Object 114 [ ] Enter hourly rate for temp. positions

Full Time Employee Temporary Object 121 [ ] Part Time Temporary Object 122 [ ] $ Hourly Rate "2,080 hrs. per year = Annual Salary

TEMPORARY POSITIONS: N/A

Start Date	End Date	Working Days & Hours	Hours Per Week	Duration (2 weeks, 3 months, etc.)

CIVIL SERVICE:
Exempt [X]
Non-Exempt [ ]
N/A [ ]

FLSA:
Exempt [ ]
Non-Exempt [X]

JUSTIFICATION/PRIORITY: (Explain why this position or adjustment request is essential)

MONIES NOT ALLOCATED FOR THE DISTRICT COURTS IN FY 2014 DWI GRANT.

NEW POSITION: Brief job description and attach a copy of the new job description.

POSITION RECLASSIFICATION: Explain change and/or increase in duties and responsibility. (Attach new job description)

COMMENTS: (Any comments you wish to make regarding this request)

HUMAN RESOURCES: Classification and Salary Recommendation

BUDGET & MANAGEMENT: Classification and Salary Recommendation

1. DEPARTMENT HEAD - 139TH DISTRICT COURT	Date	FUNDING AVAILABLE IN DEPT. BUDGET	[X]	YES	[ ]	NO
2. DEPARTEMENT HEAD - ADULT PROBATION	10-17-13 Date	PERSONNEL PROCEDURES COMPLETED	[X]	YES	[ ]	NO
3. HUMAN RESOURCES DIRECTOR	Date	PERSONNEL PROCEDURES COMPLETED	[ ]	YES	[ ]	NO
4. DEPARTMENT OF BUDGET & MANAGEMENT	10/18/13 Date	BUDGET PROCEDURES COMPLETED	[✓]	YES	[ ]	NO
5. COMMISSIONERS' COURT APPROVAL	Date					

Hidalgo County
Department of Budget & Management
FISCAL NOTE

•Fiscal notes are prepared by the Department of Budget & Management to present the budgetary impact of requests by departments/offices or of new proposals that were not approved during the budget process.

To: Commissioner' Court
From: Sergio Cruz, Budget Officer
CC Date: Tuesday, October 22, 2013 **Agenda Item:** 41236

Summary of request/proposal:
CRIM DA (1100)/ DWI GRANT (1297):
Approval to decrease/ and or remove supplemental pay for the following position(s) under the District Attorney's Office and the 139th DC.

DISTRICT ATTORNEY

Fund	Position	Slot#	Obj	Current Budgeted Salary	Adjustment Requested	Total Requested
1100	ASSIST DISTRICT ATTORNEY IV	0026	117	9,910.00	9,837.00	(73.00)
				9,910.00	9,837.00	(73.00)

Budgetary Impact:

INCREASE/DECREASE ACCOUNT NUMBER		ACCOUNT (OBJECT) NAME		AMOUNT
3-1100-412-00-080-002-0-	117	DISTRICT ATTORNEY -	SUPPLEMENTAL PAY	($73.00)
3-1100-412-00-080-002-0-	211	DISTRICT ATTORNEY -	HEALTH INSURANCE	($1.59)
3-1100-412-00-080-002-0-	212	DISTRICT ATTORNEY -	LIFE INSURANCE	($0.01)
3-1100-412-00-080-002-0-	220	DISTRICT ATTORNEY -	FICA	($5.58)
3-1100-412-00-080-002-0-	230	DISTRICT ATTORNEY -	RETIREMENT	($7.67)
3-1100-412-00-080-002-0-	250	DISTRICT ATTORNEY -	UNEMPLOYMENT COMP	$2.38
3-1100-412-00-080-002-0-	260	DISTRICT ATTORNEY -	WORKER'S COMP	($0.02)
			2012-2013 Budgetary Impact	($85.49)

Possible Funding Sources: **Reimbursed from ADULT PROBATION - DWI Court grant funds (Acct. #3-1297-423-00-320-032-4-XXX)**

139TH DISTRICT COURT

Fund	Position	Slot#	Obj	Salary	Adjustment Requested	Total Requested
1100	COURT COORDINATOR	0002	117	6,395.00	0.00	(6,395.00)
1100	ASSISTANT COURT COORD.	0004	117	6,395.00	0.00	(6,395.00)
				12,790.00	0.00	(12,790.00)

Budgetary Impact:

INCREASE/DECREASE ACCOUNT NUMBER		ACCOUNT (OBJECT) NAME		AMOUNT
2-1100-412-00-003-001-0-	117	139TH DC -	SUPPLEMENTAL PAY	($12,790.00)
2-1100-412-00-003-001-0-	211	139TH DC -	HEALTH INSURANCE	($813.34)
2-1100-412-00-003-001-0-	212	139TH DC -	LIFE INSURANCE	($5.27)
2-1100-412-00-003-001-0-	220	139TH DC -	FICA	($978.44)
2-1100-412-00-003-001-0-	230	139TH DC -	RETIREMENT	($1,319.93)
2-1100-412-00-003-001-0-	250	139TH DC -	UNEMPLOYMENT COMP	($63.95)
2-1100-412-00-003-001-0-	260	139TH DC -	WORKER'S COMP	($6.40)
			2012-2013 Budgetary Impact	($15,977.32)

Possible Funding Sources: **NO BUDGETARY IMPACT.**
FY 2014 DWI GRANT- GRANT MONIES NOT ALLOCATED FOR THE 139TH DC.

Comments:

Hidalgo Co. Budget Office
2/3/2005

DATE: October 22, 2013
DEPARTMENT HEAD: Arnold K. Patrick, Executive Director
DEPARTMENT NAME: Adult Probation
PROGRAM: VETERANS COURT
ACCOUNT NUMBER: 3-1297-423-00-320-033-4-XXX

SUBJECT: Budget Amendments (decrease/increase) in Accordance with Local Government Code, Chapter 111, Subchapter C

Honorable Bobby Flores, Community Supervision & Corrections Department Overseer

I would like to request the following amendments (increases) to my department budget in accordance with Local Government Code, Chapter 111, Subchapter C.

INCREASE OBJECT NUMBER(S)					ACCOUNT (OBJECT) NAME		AMOUNT
3-1297-423-00-320-	033-	4-	113		Veterans Court-	Full-Time Employees	61,283.94
3-1297-423-00-320-	033-	4-	211		Veterans Court-	Health Insurance	7,799.85
3-1297-423-00-320-	033-	4-	212		Veterans Court-	Life Insurance	30.64
3-1297-423-00-320-	033-	4-	220		Veterans Court-	FICA	4,688.22
3-1297-423-00-320-	033-	4-	230		Veterans Court-	Retirement	6,434.81
3-1297-423-00-320-	033-	4-	250		Veterans Court-	Unemployment Compensation	337.06
3-1297-423-00-320-	033-	4-	583		Veterans Court-	Out of County Travel	2,030.00
3-1297-423-00-320-	033-	4-	584		Veterans Court-	Registration Fees	1,470.00
					TOTAL APPROPRIATION		**84,074.52**
3-1297-334-10-320-	033-	4-	000		Funding Revenue FY2014		84,074.53
					TOTAL REVENUES		**84,074.52**

REASON:

To setup the FY2014 Veterans Court budget #2431503 from 9/1/2013 to 8/31/2014.

Arnold K. Patrick, Director
Hidalgo County CSCD

Date

Honorable Bobby Flores
Department Overseer

Date

Ray Eufracio, CPA

Date

HIDALGO COUNTY
COMMISSIONER COURT
2013 SALARY SCHEDULE

3-1100-412-00-080-002-0

AI - 41236

CRIM DA

Slot #	Obj Code	POSITION TITLE	2012 BUDGETED SALARY	2013 ADJUSTED SALARY	2013 BASE SALARY	% Inc.	AMOUNT INCREASE	OTHER INCREASE	2013 BUDGETED SALARY APPROVED	2013 ACTUAL SALARY	Other Allowances				
											Longevity 115	Interpet. 116	Supplem. 117	Auto A. 118	Clothing 119
0001	113	ASSISTANT DISTRICT ATTORNEY V	$102,549.00	$0.00	$102,549.00	0.03	$3,076.00	$0.00	$105,625.00	$105,625.00	$5,000.00	$0.00	$0.00	$900.00	$0.00
0003	113	ASSISTANT DISTRICT ATTORNEY V	$99,745.00	$0.00	$99,745.00	0.03	$2,992.00	$0.00	$102,737.00	$102,737.00	$5,000.00	$0.00	$0.00	$900.00	$0.00
0004	113	ASSISTANT DISTRICT ATTORNEY V	$91,333.00	$0.00	$91,333.00	0.03	$2,740.00	$0.00	$94,073.00	$94,073.00	$5,000.00	$0.00	$0.00	$900.00	$0.00
0005	113	ASSISTANT DISTRICT ATTORNEY V	$91,333.00	$0.00	$91,333.00	0.03	$2,740.00	$0.00	$94,073.00	$94,073.00	$5,000.00	$0.00	$0.00	$900.00	$0.00
0006	113	ASSISTANT DISTRICT ATTORNEY V	$82,921.00	$0.00	$82,921.00	0.03	$2,488.00	$0.00	$85,409.00	$85,409.00	$5,000.00	$0.00	$0.00	$900.00	$0.00
0007	113	ASSISTANT DISTRICT ATTORNEY II	$50,487.00	$0.00	$50,487.00	0.03	$1,515.00	$0.00	$52,002.00	$52,002.00	$0.00	$0.00	$0.00	$900.00	$0.00
0008	113	ASSISTANT DISTRICT ATTORNEY V	$85,725.00	$735.00	$86,460.00	0.03	$2,594.00	$0.00	$89,054.00	$89,054.00	$3,840.00	$0.00	$0.00	$900.00	$0.00
0009	113	ASSISTANT DISTRICT ATTORNEY III	$49,344.00	$0.00	$49,344.00	0.03	$1,480.00	$0.00	$50,824.00	$50,824.00	$0.00	$0.00	$0.00	$900.00	$0.00
0010	113	ASSISTANT DISTRICT ATTORNEY III	$58,888.00	$0.00	$58,888.00	0.03	$1,767.00	$0.00	$60,655.00	$60,655.00	$960.00	$0.00	$0.00	$900.00	$0.00
0011	113	ASSISTANT DISTRICT ATTORNEY IV	$78,303.00	$0.00	$78,303.00	0.03	$2,349.00	$0.00	$80,652.00	$80,652.00	$5,000.00	$0.00	$0.00	$900.00	$0.00
0012	113	ASSISTANT DISTRICT ATTORNEY IV	$73,495.00	$0.00	$73,495.00	0.03	$2,205.00	$0.00	$75,700.00	$75,700.00	$2,400.00	$0.00	$0.00	$900.00	$0.00
0013	113	ASSISTANT DISTRICT ATTORNEY IV	$75,899.00	$301.00	$76,200.00	0.03	$2,286.00	$0.00	$78,486.00	$78,486.00	$3,600.00	$0.00	$0.00	$900.00	$0.00
0014	113	ASSISTANT DISTRICT ATTORNEY IV	$71,091.00	$809.00	$71,900.00	0.03	$2,157.00	$0.00	$74,057.00	$74,057.00	$4,800.00	$0.00	$0.00	$900.00	$0.00
0015	113	ASSISTANT DISTRICT ATTORNEY IV	$73,495.00	$485.00	$73,980.00	0.03	$2,219.00	$0.00	$76,199.00	$76,199.00	$3,120.00	$0.00	$0.00	$900.00	$0.00
0016	113	ASSISTANT DISTRICT ATTORNEY IV	$71,091.00	$1,089.00	$72,180.00	0.03	$2,165.00	$0.00	$74,345.00	$74,345.00	$3,120.00	$0.00	$0.00	$900.00	$0.00
0017	113	ASSISTANT DISTRICT ATTORNEY II	$50,487.00	$0.00	$50,487.00	0.03	$1,515.00	$0.00	$52,002.00	$52,002.00	$0.00	$0.00	$0.00	$900.00	$0.00
0018	113	ASSISTANT DISTRICT ATTORNEY IV	$71,091.00	$0.00	$71,091.00	0.03	$2,133.00	$0.00	$73,224.00	$73,224.00	$2,640.00	$0.00	$0.00	$900.00	$0.00
0019	113	ASSISTANT DISTRICT ATTORNEY IV	$66,634.00	$0.00	$66,634.00	0.03	$1,999.00	$0.00	$68,633.00	$68,633.00	$2,880.00	$0.00	$0.00	$900.00	$0.00
0020	113	ASSISTANT DISTRICT ATTORNEY III	$56,962.00	$0.00	$56,962.00	0.03	$1,709.00	$0.00	$58,671.00	$58,671.00	$0.00	$0.00	$0.00	$900.00	$0.00
0021	113	ASSISTANT DISTRICT ATTORNEY III	$56,898.00	$0.00	$56,898.00	0.03	$1,707.00	$0.00	$58,605.00	$58,605.00	$0.00	$0.00	$0.00	$900.00	$0.00
0022	113	ASSISTANT DISTRICT ATTORNEY IV	$63,071.00	$0.00	$63,071.00	0.03	$1,892.00	$0.00	$64,963.00	$64,963.00	$2,640.00	$0.00	$0.00	$900.00	$0.00
0023	113	ASSISTANT DISTRICT ATTORNEY IV	$67,536.00	$0.00	$67,536.00	0.03	$2,026.00	$0.00	$69,562.00	$69,562.00	$2,160.00	$0.00	$0.00	$900.00	$0.00
0024	113	ASSISTANT DISTRICT ATTORNEY II	$49,159.00	$0.00	$49,159.00	0.03	$1,475.00	$0.00	$50,634.00	$50,634.00	$0.00	$0.00	$0.00	$900.00	$0.00

HIDALGO COUNTY
COMMISSIONER COURT
2013 SALARY SCHEDULE

3-1100-412-00-080-002-0

AI - 41236

CRIM DA

Slot #	Obj Code	POSITION TITLE	2012 BUDGETED SALARY	2013 ADJUSTED SALARY	2013 BASE SALARY	% Inc.	AMOUNT INCREASE	OTHER INCREASE	2013 BUDGETED SALARY APPROVED	2013 ACTUAL SALARY	Other Allowances				
											Longevity 115	Interpet. 116	Supplem. 117	Auto A. 118	Clothing 119
		DECREASE SUPPLEMENTAL PAY →											**$9,837.00**		
0026	**113**	**ASSISTANT DISTRICT ATTORNEY IV**	**$61,043.00**	**$0.00**	**$61,043.00**	**0.03**	**$1,831.00**	**$0.00**	**$62,874.00**	**$62,874.00**	**$2,160.00**	**$0.00**	**~~$9,910.00~~**	**$900.00**	**$0.00**
0027	113	ASSISTANT DISTRICT ATTORNEY III	$61,011.00	$0.00	$61,011.00	0.03	$1,830.00	$0.00	$62,841.00	$62,841.00	$2,640.00	$0.00	$0.00	$900.00	$0.00
0028	113	ASSISTANT DISTRICT ATTORNEY IV	$59,488.00	($1.00)	$59,487.00	0.03	$1,785.00	$0.00	$61,272.00	$61,272.00	$2,400.00	$0.00	$0.00	$900.00	$0.00
0029	113	ASSISTANT DISTRICT ATTORNEY III	$50,620.00	$0.00	$50,620.00	0.03	$1,519.00	$0.00	$52,139.00	$52,139.00	$960.00	$0.00	$0.00	$900.00	$0.00
0030	113	ASSISTANT DISTRICT ATTORNEY III	$55,788.00	$0.00	$55,788.00	0.03	$1,674.00	$0.00	$57,462.00	$57,462.00	$0.00	$0.00	$0.00	$900.00	$0.00
0031	113	ASSISTANT DISTRICT ATTORNEY III	$59,015.00	$0.00	$59,015.00	0.03	$1,770.00	$0.00	$60,785.00	$60,785.00	$1,920.00	$0.00	$0.00	$900.00	$0.00
0032	113	ASSISTANT DISTRICT ATTORNEY III	$56,896.00	($1.00)	$56,895.00	0.03	$1,707.00	$0.00	$58,602.00	$58,602.00	$1,920.00	$0.00	$0.00	$900.00	$0.00
0033	113	ASSISTANT DISTRICT ATTORNEY II	$50,487.00	$0.00	$50,487.00	0.03	$1,515.00	$0.00	$52,002.00	$52,002.00	$0.00	$0.00	$0.00	$900.00	$0.00
0034	113	CRIMINAL INVESTIGATOR III	$54,890.00	$0.00	$54,890.00	0.03	$1,647.00	$0.00	$56,537.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
0035	113	HUMAN RESOURCES COORDINATOR IV	$58,220.00	$0.00	$58,220.00	0.03	$1,747.00	$0.00	$59,967.00	$59,967.00	$1,740.00	$0.00	$0.00	$0.00	$0.00
0036	113	ASSISTANT DISTRICT ATTORNEY III	$58,020.00	($1.00)	$58,019.00	0.03	$1,741.00	$0.00	$59,760.00	$59,760.00	$1,680.00	$0.00	$0.00	$900.00	$0.00
0038	113	ASSISTANT DISTRICT ATTORNEY III	$55,884.00	$0.00	$55,884.00	0.03	$1,677.00	$0.00	$57,561.00	$57,561.00	$1,680.00	$0.00	$0.00	$900.00	$0.00
0039	113	ASSISTANT DISTRICT ATTORNEY III	$50,487.00	$0.00	$50,487.00	0.03	$1,515.00	$0.00	$52,002.00	$52,002.00	$4,800.00	$0.00	$0.00	$900.00	$0.00
0040	113	ASSISTANT DISTRICT ATTORNEY III	$54,303.00	$0.00	$54,303.00	0.03	$1,629.00	$0.00	$55,932.00	$55,932.00	$1,680.00	$0.00	$0.00	$900.00	$0.00
0041	113	ASSISTANT DISTRICT ATTORNEY II	$47,675.00	$0.00	$47,675.00	0.03	$1,430.00	$0.00	$49,105.00	$49,105.00	$0.00	$0.00	$0.00	$900.00	$0.00
0042	113	CRIMINAL INVESTIGATOR II	$51,743.00	$0.00	$51,743.00	0.03	$1,552.00	$0.00	$53,295.00	$53,295.00	$960.00	$0.00	$0.00	$3,600.00	$0.00
0043	113	ASSISTANT DISTRICT ATTORNEY III	$47,913.00	$0.00	$47,913.00	0.03	$1,437.00	$0.00	$49,350.00	$49,350.00	$0.00	$0.00	$0.00	$900.00	$0.00
0044	113	ASSISTANT DISTRICT ATTORNEY II	$46,119.00	$0.00	$46,119.00	0.03	$1,384.00	$0.00	$47,503.00	$47,503.00	$0.00	$0.00	$0.00	$900.00	$0.00
0045	113	ASSISTANT DISTRICT ATTORNEY III	$48,948.00	$1.00	$48,949.00	0.03	$1,468.00	$0.00	$50,417.00	$50,417.00	$0.00	$0.00	$0.00	$900.00	$0.00
0046	113	ASSISTANT DISTRICT ATTORNEY III	$54,303.00	$0.00	$54,303.00	0.03	$1,629.00	$0.00	$55,932.00	$55,932.00	$1,680.00	$0.00	$0.00	$900.00	$0.00
0047	113	ASSISTANT DISTRICT ATTORNEY II	$48,816.00	$0.00	$48,816.00	0.03	$1,464.00	$0.00	$50,280.00	$50,280.00	$0.00	$0.00	$0.00	$900.00	$0.00
0048	113	ASSISTANT DISTRICT ATTORNEY III	$48,876.00	$0.00	$48,876.00	0.03	$1,466.00	$0.00	$50,342.00	$50,342.00	$0.00	$0.00	$0.00	$900.00	$0.00

HIDALGO COUNTY
COMMISSIONER COURT
2013 SALARY SCHEDULE

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CRIM DA

Slot #	Obj Code	POSITION TITLE	2012 BUDGETED SALARY	2013 ADJUSTED SALARY	2013 BASE SALARY	% Inc.	AMOUNT INCREASE	OTHER INCREASE	2013 BUDGETED SALARY APPROVED	2013 ACTUAL SALARY	Other Allowances				
											Longevity 115	Interpet. 116	Supplem. 117	Auto A. 118	Clothing 119
0049	113	ASSISTANT DISTRICT ATTORNEY III	$48,952.00	$0.00	$48,952.00	0.03	$1,469.00	$0.00	$50,421.00	$50,421.00	$0.00	$0.00	$4,122.00	$900.00	$0.00
0050	111	CRIMINAL DISTRICT ATTORNEY	$48,654.00	$0.00	$48,654.00	0.03	$1,459.62	$0.00	$50,114.00	$50,114.00	$0.00	$0.00	$0.00	$8,000.00	$0.00
0051	113	ASSISTANT DISTRICT ATTORNEY III	$47,352.00	$0.00	$47,352.00	0.03	$1,421.00	$0.00	$48,773.00	$48,773.00	$0.00	$0.00	$0.00	$900.00	$0.00
0052	113	ACCOUNTANT IV	$47,227.00	$0.00	$47,227.00	0.03	$1,417.00	$0.00	$48,644.00	$48,644.00	$1,260.00	$0.00	$0.00	$0.00	$0.00
0053	113	CRIMINAL INVESTIGATOR I	$44,908.00	$0.00	$44,908.00	0.03	$1,347.00	($5,135.00)	$41,120.00	$41,120.00	$0.00	$0.00	$0.00	$3,600.00	$0.00
0055	113	EXECUTIVE ASSISTANT II	$43,322.00	($1.00)	$43,321.00	0.03	$1,300.00	($7,032.00)	$37,589.00	$37,589.00	$1,320.00	$0.00	$0.00	$0.00	$0.00
0056	113	EXECUTIVE ASSISTANT I	$40,742.00	$0.00	$40,742.00	0.03	$1,222.00	$0.00	$41,964.00	$41,964.00	$1,800.00	$0.00	$0.00	$0.00	$0.00
0057	113	EXECUTIVE ASSISTANT I	$36,495.00	($1.00)	$36,494.00	0.03	$1,095.00	$0.00	$37,589.00	$37,589.00	$1,380.00	$0.00	$0.00	$0.00	$0.00
0058	113	EXECUTIVE ASSISTANT I	$36,495.00	($1.00)	$36,494.00	0.03	$1,095.00	$0.00	$37,589.00	$37,589.00	$1,200.00	$0.00	$0.00	$0.00	$0.00
0059	113	ADMINISTRATIVE ASSISTANT IV	$33,465.00	$0.00	$33,465.00	0.03	$1,004.00	$0.00	$34,469.00	$34,469.00	$660.00	$0.00	$0.00	$0.00	$0.00
0060	113	ADMINISTRATIVE ASSISTANT IV	$33,465.00	$0.00	$33,465.00	0.03	$1,004.00	$0.00	$34,469.00	$34,469.00	$1,140.00	$0.00	$0.00	$0.00	$0.00
0061	113	ADMINISTRATIVE ASSISTANT IV	$33,365.00	$0.00	$33,365.00	0.03	$1,001.00	$0.00	$34,366.00	$34,366.00	$660.00	$0.00	$0.00	$0.00	$0.00
0062	113	ADMINISTRATIVE ASSISTANT IV	$33,323.00	($1.00)	$33,322.00	0.03	$1,000.00	$0.00	$34,322.00	$34,322.00	$1,080.00	$0.00	$0.00	$0.00	$0.00
0063	113	ADMINISTRATIVE ASSISTANT IV	$33,323.00	($1.00)	$33,322.00	0.03	$1,000.00	$0.00	$34,322.00	$34,322.00	$1,320.00	$0.00	$0.00	$0.00	$0.00
0064	113	ADMINISTRATIVE ASSISTANT IV	$33,323.00	($1.00)	$33,322.00	0.03	$1,000.00	$0.00	$34,322.00	$34,322.00	$960.00	$0.00	$0.00	$0.00	$0.00
0065	113	ADMINISTRATIVE ASSISTANT IV	$32,255.00	($1.00)	$32,254.00	0.03	$968.00	$0.00	$33,222.00	$33,222.00	$720.00	$0.00	$0.00	$0.00	$0.00
0066	113	ADMINISTRATIVE ASSISTANT II	$27,276.00	$0.00	$27,276.00	0.03	$818.00	$0.00	$28,094.00	$28,094.00	$0.00	$0.00	$0.00	$0.00	$0.00
0067	113	ADMINISTRATIVE ASSISTANT III	$31,280.00	$0.00	$31,280.00	0.03	$938.00	$0.00	$32,218.00	$32,218.00	$420.00	$0.00	$0.00	$0.00	$0.00
0068	113	ADMINISTRATIVE ASSISTANT III	$31,179.00	($1.00)	$31,178.00	0.03	$935.00	$0.00	$32,113.00	$32,113.00	$1,020.00	$0.00	$0.00	$0.00	$0.00
0069	113	ADMINISTRATIVE ASSISTANT I	$21,653.00	$0.00	$21,653.00	0.03	$650.00	$0.00	$22,303.00	$22,303.00	$0.00	$0.00	$0.00	$0.00	$0.00
0070	113	ADMINISTRATIVE ASSISTANT II	$27,045.00	$0.00	$27,045.00	0.03	$811.00	$0.00	$27,856.00	$27,856.00	$600.00	$0.00	$0.00	$0.00	$0.00
0071	113	ADMINISTRATIVE ASSISTANT I	$21,653.00	$0.00	$21,653.00	0.03	$650.00	$0.00	$22,303.00	$22,303.00	$0.00	$0.00	$0.00	$0.00	$0.00
0072	113	ADMINISTRATIVE ASSISTANT II	$26,080.00	$1.00	$26,081.00	0.03	$782.00	$0.00	$26,863.00	$26,863.00	$600.00	$0.00	$0.00	$0.00	$0.00

HIDALGO COUNTY
COMMISSIONER COURT
2013 SALARY SCHEDULE

3-1100-412-00-080-002-0

AI - 41236

CRIM DA

Slot #	Obj Code	POSITION TITLE	2012 BUDGETED SALARY	2013 ADJUSTED SALARY	2013 BASE SALARY	% Inc.	AMOUNT INCREASE	OTHER INCREASE	2013 BUDGETED SALARY APPROVED	2013 ACTUAL SALARY	Other Allowances				
											Longevity 115	Interpet. 116	Supplem. 117	Auto A. 118	Clothing 119
0073	113	ADMINISTRATIVE ASSISTANT I	$23,385.00	$0.00	$23,385.00	0.03	$702.00	$0.00	$24,087.00	$24,087.00	$0.00	$0.00	$0.00	$0.00	$0.00
0074	113	ADMINISTRATIVE ASSISTANT II	$25,116.00	$0.00	$25,116.00	0.03	$753.00	$0.00	$25,869.00	$24,000.00	$0.00	$0.00	$0.00	$0.00	$0.00
0075	113	ADMINISTRATIVE ASSISTANT II	$24,278.00	$0.00	$24,278.00	0.03	$728.00	$0.00	$25,006.00	$25,006.00	$480.00	$0.00	$0.00	$0.00	$0.00
0076	113	ADMINISTRATIVE ASSISTANT II	$24,192.00	$0.00	$24,192.00	0.03	$726.00	$0.00	$24,918.00	$24,918.00	$420.00	$0.00	$0.00	$0.00	$0.00
0077	113	ADMINISTRATIVE ASSISTANT II	$24,154.00	$0.00	$24,154.00	0.03	$725.00	$0.00	$24,879.00	$24,879.00	$420.00	$0.00	$0.00	$0.00	$0.00
0078	113	ADMINISTRATIVE ASSISTANT II	$24,154.00	$0.00	$24,154.00	0.03	$725.00	$0.00	$24,879.00	$24,879.00	$420.00	$0.00	$0.00	$0.00	$0.00
0079	113	ADMINISTRATIVE ASSISTANT II	$24,154.00	$0.00	$24,154.00	0.03	$725.00	$0.00	$24,879.00	$24,879.00	$420.00	$0.00	$0.00	$0.00	$0.00
0080	113	ADMINISTRATIVE ASSISTANT II	$23,279.00	$0.00	$23,279.00	0.03	$698.00	$0.00	$23,977.00	$23,977.00	$420.00	$0.00	$0.00	$0.00	$0.00
0081	113	ADMINISTRATIVE ASSISTANT I	$19,054.00	$0.00	$19,054.00	0.03	$572.00	$0.00	$19,626.00	$19,626.00	$0.00	$0.00	$0.00	$0.00	$0.00
0082	113	ADMINISTRATIVE ASSISTANT I	$21,653.00	$0.00	$21,653.00	0.03	$650.00	$0.00	$22,303.00	$22,303.00	$0.00	$0.00	$0.00	$0.00	$0.00
0083	113	ADMINISTRATIVE ASSISTANT I	$23,385.00	$0.00	$23,385.00	0.03	$702.00	$0.00	$24,087.00	$24,087.00	$0.00	$0.00	$0.00	$0.00	$0.00
0084	113	ADMINISTRATIVE ASSISTANT I	$21,653.00	$0.00	$21,653.00	0.03	$650.00	$0.00	$22,303.00	$22,303.00	$0.00	$0.00	$0.00	$0.00	$0.00
0085	113	ADMINISTRATIVE ASSISTANT I	$23,385.00	$0.00	$23,385.00	0.03	$702.00	$0.00	$24,087.00	$24,087.00	$0.00	$0.00	$0.00	$0.00	$0.00
0086	113	ADMINISTRATIVE ASSISTANT I	$21,653.00	$0.00	$21,653.00	0.03	$650.00	$0.00	$22,303.00	$22,303.00	$0.00	$0.00	$0.00	$0.00	$0.00
0087	113	CRIMINAL INVESTIGATOR I	$43,284.00	$0.00	$43,284.00	0.03	$1,299.00	$0.00	$44,583.00	$43,000.00	$0.00	$0.00	$0.00	$3,600.00	$0.00
0088	113	ADMINISTRATIVE ASSISTANT I	$21,653.00	$347.00	$22,000.00	0.03	$660.00	$0.00	$22,660.00	$22,660.00	$0.00	$0.00	$0.00	$0.00	$0.00
0090	113	ASSISTANT DISTRICT ATTORNEY III	$58,888.00	($1.00)	$58,887.00	0.03	$1,767.00	$0.00	$60,654.00	$60,654.00	$1,200.00	$0.00	$0.00	$900.00	$0.00
0091	113	ASSISTANT DISTRICT ATTORNEY IV	$68,687.00	$0.00	$68,687.00	0.03	$2,061.00	$0.00	$70,748.00	$70,748.00	$4,080.00	$0.00	$0.00	$900.00	$0.00
0092	113	ASSISTANT DISTRICT ATTORNEY II	$50,487.00	$0.00	$50,487.00	0.03	$1,515.00	$0.00	$52,002.00	$52,002.00	$0.00	$0.00	$0.00	$900.00	$0.00
0093	113	ASSISTANT DISTRICT ATTORNEY II	$50,487.00	$0.00	$50,487.00	0.03	$1,515.00	$0.00	$52,002.00	$52,002.00	$0.00	$0.00	$0.00	$900.00	$0.00
0095	113	ASSISTANT DISTRICT ATTORNEY III	$45,977.00	$0.00	$45,977.00	0.03	$1,379.00	$0.00	$47,356.00	$47,356.00	$0.00	$0.00	$0.00	$900.00	$0.00
0096	113	ADMINISTRATIVE ASSISTANT II	$28,231.00	$0.00	$28,231.00	0.03	$847.00	$0.00	$29,078.00	$29,078.00	$300.00	$0.00	$0.00	$0.00	$0.00
0097	113	ASSISTANT DISTRICT ATTORNEY III	$58,888.00	$0.00	$58,888.00	0.03	$1,767.00	$0.00	$60,655.00	$60,655.00	$1,440.00	$0.00	$0.00	$900.00	$0.00

HIDALGO COUNTY
COMMISSIONER COURT
2013 SALARY SCHEDULE

3-1100-412-00-080-002-0

AI - 41236

CRIM DA

Slot #	Obj Code	POSITION TITLE	2012 BUDGETED SALARY	2013 ADJUSTED SALARY	2013 BASE SALARY	% Inc.	AMOUNT INCREASE	OTHER INCREASE	2013 BUDGETED SALARY APPROVED	2013 ACTUAL SALARY	Other Allowances				
											Longevity 115	Interpet. 116	Supplem. 117	Auto A. 118	Clothing 119
0098	113	ASSISTANT DISTRICT ATTORNEY III	$49,629.00	($1.00)	$49,628.00	0.03	$1,489.00	$0.00	$51,117.00	$51,117.00	$4,080.00	$0.00	$0.00	$900.00	$0.00
0099	113	CRIMINAL INVESTIGATOR II	$0.00	$50,487.00	$50,487.00	0.03	$1,515.00	$1,820.00	$53,822.00	$53,822.00	$420.00	$0.00	$0.00	$0.00	$0.00
0100	113	CRIMINAL INVESTIGATOR II	$50,487.00	$0.00	$50,487.00	0.03	$1,515.00	($2,002.00)	$50,000.00	$50,000.00	$0.00	$0.00	$0.00	$0.00	$0.00
0101	113	ASSISTANT DISTRICT ATTORNEY II	$0.00	$50,487.00	$50,487.00	0.03	$1,515.00	$0.00	$52,002.00	$52,002.00	$0.00	$0.00	$0.00	$900.00	$0.00
0102	113	ASSISTANT DISTRICT ATTORNEY II	$0.00	$50,487.00	$50,487.00	0.03	$1,515.00	$0.00	$52,002.00	$52,002.00	$0.00	$0.00	$0.00	$900.00	$0.00
0103	113	ADMINISTRATIVE ASSISTANT I	$0.00	$23,385.00	$23,385.00	0.03	$702.00	$0.00	$24,087.00	$24,000.00	$0.00	$0.00	$0.00	$0.00	$0.00
0104	113	TECHNICIAN II	$0.00	$27,276.00	$27,276.00	0.03	$818.28	$0.00	$28,094.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
0105	113	ASSISTANT DISTRICT ATTORNEY II	$0.00	$56,500.00	$56,500.00	0	$0.00	($1,400.00)	$55,100.00	$55,100.00	$0.00	$0.00	$0.00	$900.00	$0.00
0106	113	ADMINISTRATIVE ASSISTANT II	$0.00	$29,200.00	$29,200.00	0	$0.00	$0.00	$29,200.00	$29,200.00	$1,140.00	$0.00	$0.00	$0.00	$0.00
		TOTAL	**$4,481,107.00**	**$291,577.00**	**$4,772,684.00**		**$140,619.90**	**($13,749.00)**	**$4,899,555.00**	**$4,811,385.00**	**$119,760.00**	**$0.00**	**$13,959.00**	**$67,400.00**	**$0.00**

Approval of the above highlighted personnel action(s).

Salary Schedule(s) pending CC approval.

2013 ACTUAL TOTAL COMPENSATION
$111,525.00
$108,637.00
$99,973.00
$99,973.00
$91,309.00
$52,902.00
$93,794.00
$51,724.00
$62,515.00
$86,552.00
$79,000.00
$82,986.00
$79,757.00
$80,219.00
$78,365.00
$52,902.00
$76,764.00
$72,413.00
$59,571.00
$59,505.00
$68,503.00
$72,622.00
$51,534.00

2013 ACTUAL TOTAL COMPENSATION
$75,771.00
$66,381.00
$64,572.00
$53,999.00
$58,362.00
$63,605.00
$61,422.00
$52,902.00
$0.00
$61,707.00
$62,340.00
$60,141.00
$57,702.00
$58,512.00
$50,005.00
$57,855.00
$50,250.00
$48,403.00
$51,317.00
$58,512.00
$51,180.00
$51,242.00

2013 ACTUAL TOTAL COMPENSATION
$55,443.00
$58,114.00
$49,673.00
$49,904.00
$44,720.00
$38,909.00
$43,764.00
$38,969.00
$38,789.00
$35,129.00
$35,609.00
$35,026.00
$35,402.00
$35,642.00
$35,282.00
$33,942.00
$28,094.00
$32,638.00
$33,133.00
$22,303.00
$28,456.00
$22,303.00
$27,463.00

2013 ACTUAL TOTAL COMPENSATION
$24,087.00
$24,000.00
$25,486.00
$25,338.00
$25,299.00
$25,299.00
$25,299.00
$24,397.00
$19,626.00
$22,303.00
$24,087.00
$22,303.00
$24,087.00
$22,303.00
$46,600.00
$22,660.00
$62,754.00
$75,728.00
$52,902.00
$52,902.00
$48,256.00
$29,378.00
$62,995.00

2013 ACTUAL TOTAL COMPENSATION
$56,097.00
$54,242.00
$50,000.00
$52,902.00
$52,902.00
$24,000.00
$0.00
$56,000.00
$30,340.00
$4,936,733.00

AI-41238 **Adult Probation 9. B.**

CC REGULAR

Meeting Date: 10/22/2013

Submitted For: Adult Probation **Submitted By:** Rosie Cantu, BUDGET & MANAGEMENT

Department: BUDGET & MANAGEMENT

Information

CAPTION

Veterans Court Grant (1297):
1. Approval of certification of revenue as certified by the County Auditor for the Veterans Court Grant.
2. Approval of the appropriation of funds in the amount of $84,074.52.

BACKGROUND

Authorizations are as follows for the Veterans Court grant:

Action	CC Meeting Date	Agenda Item
Approval to apply	02/05/13	AI- 36557/ 12.A
resolution establishing the Veterans Court	10/07/13	AI- 40860/ 11.A
Acceptance of grant	10/07/13	AI- 40860/ 11.A

Fiscal Impact

FISCAL YEAR: SEE BELOW **ACCT. #:** 3-1297-423-00-320-033-4-XXX

FUNDS AVAILABLE Y/N?: Y **MATCHING FUNDS Y/N?:** N

BUDGETARY IMPACT:

3-1297-334-10-320-033-4-000 VETERANS COURT REVENUES

GRANT FISCAL YEAR: 2014
COUNTY CALENDAR/FISCAL YEAR: 2013
GRANT PERIOD 09/01/13 TO 08/31/14

Attachments

Veterans grant categorical budget
grant award
APPROPRIATION

Form Review

Inbox	Reviewed By	Date
Rosalinda Cantu (Originator)	Rosie Cantu	10/18/2013 11:40 AM
Budget & Management	Obdett Calzada	10/18/2013 01:58 PM
Obdett Calzada	Obdett Calzada	10/18/2013 03:17 PM
Purchasing Department	Monica Badillo	10/18/2013 04:51 PM
Form Started By: Rosie Cantu		Started On: 10/15/2013

Final Approval Date: 10/18/2013

Print This Page

Agency Name: Hidalgo County
Grant/App: 2431503 **Start Date:** 9/1/2013 **End Date:** 8/31/2014

Project Title: Hidalgo County Veterans Court
Status: Pending AO Acceptance of Award

Budget Details Information

Budget Information by Budget Line Item:

CATEGORY	SUB CATEGORY	DESCRIPTION	CJD	CASH MATCH	IN-KIND MATCH	GPI	TOTAL	UNIT/%
Personnel	Counselor and/or Therapist (licensed)	Licensed Counselor to provide services to offenders; will provide both individual and group sessions; the counselor will work in conjunction with the probation officer and the treament team; the counselor will participate in the staffings as well.	$29,924.52	$0.00	$0.00	$0.00	$29,924.52	100
Travel and Training	In-State Registration Fees, Training, and/or Travel	Travel and training for one probation officer and one counselor for the Texas Association of Drug Court Professionals	$1,000.00	$0.00	$0.00	$0.00	$1,000.00	0
Travel and Training	Out-of-State Registration Fees, Training, and/or Travel	Travel and training for one probation officer and one counselor at the National Association of Drug Court Professionals conference	$2,500.00	$0.00	$0.00	$0.00	$2,500.00	0
Personnel	Probation Officer	The probation officer provides monitoring for the offenders in the program; the probation officer provides the case management for the offenders and provides the progress to the judge during the staffings and also participates in the status hearings.	$50,650.00	$0.00	$0.00	$0.00	$50,650.00	100

You are logged in as **User Name**: rudyperez

State of Texas
Office of the Governor
Criminal Justice Division

Rick Perry
Governor

September 13, 2013

Mr. Rudy Perez
Assistant Director
PREVIEW - Hidalgo County - PREVIEW -
P.O. Box 970
Edinburg, Texas 78540-0970

Dear Mr. Perez:

Congratulations on your award! To activate your agency's grant, the Authorized Official must log on to eGrants at https://eGrants.governor.state.tx.us and go to the 'My Home' tab. In the 'Project Status' column, locate the application that is in 'Pending Acceptance of Award' status. Click on the grant number and proceed to the 'Accept Award' tab. From this tab, click on the 'Accept' button. Grants must be accepted within 45 calendar days of the date the award was issued.

Be sure to review the attached memo for a quick overview of general items every grantee should be aware of. You can also find more detailed information on the eGrants website including helpful resources, links, and tools needed to properly administer CJD grants. The Guide to Grants, also on the website, contains answers to questions frequently asked by grantees. The Public Policy Research Institute (PPRI) at Texas A&M University will send a detailed information packet to the Project Director containing progress reporting forms and instructions on completing and submitting those forms.

If you have any questions regarding this award, feel free to contact your grant manager, whose name is referenced in the attached Statement of Grant Award or you may always contact our office via the eGrants Help Desk at eGrants@governor.state.tx.us.

We look forward to working with you to ensure the success of your program.

Christopher Burnett
Executive Director

OFFICE OF THE GOVERNOR
CRIMINAL JUSTICE DIVISION
STATEMENT OF GRANT AWARD

Grant Number:	DC-14-A10-24315-03	**CFDA or State ID:**	00.303
Program Fund:	DC-Drug Court Program		
Grantee Name:	PREVIEW - Hidalgo County - PREVIEW -		
Project Title:	Hidalgo County Veterans Court		
Grant Period:	09/01/2013 - 08/31/2014		
Liquidation Date:	11/29/2014		
Date Awarded:	September 13, 2013		
CJD Grant Manager:	Anissa Johnson		

CJD Award Amount:	$84,074.52
Grantee Cash Match:	$0.00
Grantee In Kind Match:	$0.00
Total Project Cost:	$84,074.52

The Statement of Grant Award is your official notice of award from the Governor's Criminal Justice Division (CJD). The approved budget is reflected in the Budget/Details tab for this record in eGrants. The grantee agrees to comply with the provisions of the Governor's Criminal Justice Division's rules in Title I, Part I, Chapter 3, Texas Administrative Code in effect on the date the grant is awarded. By clicking on the 'Accept' button within the 'Accept Award' tab, the grantee accepts the responsibility for the grant project and agrees with the following conditions of grant funding. The grantee's funds will not be released until the grantee has satisfied the requirements of the following Condition(s) of Funding and Other Fund-Specific Requirement(s), if any, cited below:

Condition(s) of Funding and Other Fund-Specific Requirement(s):

1 Other Condition of Funding. During FY 2014 CJD will allow your agency to use the Addition Method to add generated program income to the OOG budget in an amount up to $34,100.00, resulting in an overall increase in the approved budget. Once this amount has been reached further collected generated program income must be applied using the Deduction Method, which will begin to reduce the OOG award amount. All generated program income must be reported to CJD through a formal grant adjustment to secure CJD approval prior to use of the program income.

2 Other Condition of Funding. Grantee is required to report the SID number for all graduates as part of the end-of-year progress report to the Public Policy Research Institute at Texas A & M University.

3 Other Condition of Funding. Pursuant to SB 462 relating to specialty court programs in Texas that was passed during the Regular 83rd Legislative Session, please upload a completed Specialty Court Registration Form, which will serve as written notice of your program and a copy of the original resolution or other official declaration that established your program. The Registration Form is available on the eGrants Updates page under Forms.

State of Texas
Office of the Governor
Criminal Justice Division

Rick Perry
Governor

Memorandum

To: CJD Grant Recipients
From: Aimee Snoddy, Deputy Director
Contact: (512) 463-1919
Re: Grantee Responsibilities
Date Awarded: September 13, 2013

Congratulations on your grant award from Governor Rick Perry's Criminal Justice Division (CJD). It is important to make you aware of a few things to consider as you implement strategies to successfully manage your program. For more information and resources, refer to the Grant Resources section of eGrants available online at https://eGrants.governor.state.tx.us.

Financial Reporting – Financial Status Reports must be submitted to CJD via eGrants. Financial Status Reports may be submitted monthly but must be submitted at least quarterly. Financial Status Reports are due after each calendar quarter, regardless of when the grant was awarded. Due dates are:

April 22 (January-March quarter)
July 22 (April-June quarter)
October 22 (July-September quarter)
January 22 (October-December quarter)

The final Financial Status Report must be submitted to CJD on or before the grant liquidation date or funds will lapse and CJD will provide them as grants to others who need the funding.

Payment Authorization – Payments will be generated based on expenditures reported in the Financial Status Reports. Upon CJD approval of the Financial Status Report, a payment will be issued through direct deposit or electronic transfer.

Generated Program Income – Any income generated as a direct result of the grant activities must be reported to CJD through the Financial Status Report and grant adjustment processes. Program income must be used to offset project costs unless prior approval is granted allowing a supplement to project costs. Program income must be expended prior to seeking payments from CJD and must be accounted and used for the purposes of the grant activities as awarded.

Grant Funded Personnel – Staff whose salaries are supported by this award must be made aware that continued funding is contingent upon the availability of appropriated funds as well as the outcome of the annual application review conducted by CJD.

Project Changes – Grantees may submit a request for grant adjustment via eGrants for any proposed budgetary or programmatic changes, including updating contact information for grant officials.

Equipment – Equipment purchased with grant funds must be used for the purpose of the grant and as approved by CJD. An inventory report must be kept on file containing all equipment purchased with any grant funds during the grant period. This report must agree with the approved grant budget and the final Financial Status Report.

Fidelity Bond – Each nonprofit corporation receiving funds from CJD must obtain and have on file a blanket fidelity bond that indemnifies CJD against the loss or theft of the entire amount of grant funds, including matching funds. The fidelity bond should cover at least the CJD grant period.

Required Notifications – Grantees must immediately notify CJD in writing of any misappropriation of funds, fraud, theft, embezzlement, forgery, or any other serious irregularities indicating noncompliance with grant requirements. Grantees must notify the local prosecutor's office of any possible criminal violations. Grantees must immediately notify CJD in writing if a project or project personnel become involved in any litigation, whether civil or criminal, and the grantee must immediately forward a copy of any demand notices, subpoenas, lawsuits, or indictments to CJD. If a federal or state court or administrative agency renders a judgment or order finding discrimination by a grantee based on race, color, national origin, sex, age, or handicap, the grantee agrees to immediately forward a copy of the judgment or order to CJD.

Project Effectiveness – Grantees should regularly evaluate the effectiveness of their projects. This includes a reassessment of project activities and services to determine whether they continue to be effective. Grantees must show that their activities and services effectively address and achieve the project's stated purpose.

Programmatic Reporting – Grantees must submit required reports regarding grant information, performance, and progress towards goals and objectives in accordance with the instructions provided by CJD, or its designee. To remain eligible for funding, the grantee must be able to show the scope of services provided and the impact and quality of those services.

Monitoring – Grantees must readily make available to the Governor's Office or its agents all requested records. The Governor's Office may make unannounced monitoring visits at any time. The grantee must make every effort to resolve all issues, findings, or actions identified within the time frame specified by the Governor's Office.

Audit Requirements – Grantees expending over $500,000 in state or federal grant funds during the fiscal year are subject to the Single Audit requirements set forth in OMB Circular No. A 133 at http://www.whitehouse.gov/omb/circulars/index.html and the State Single Audit Circular issued under the Uniform Grant Management Standards (UGMS) at http://www.governor.state.tx.us/grants/what/. Grantees must electronically submit to the Governor's Office copies of the results of any single audit conducted in accordance with OMB Circular No. A-133 at http://www.whitehouse.gov/omb/circulars/index.html or in accordance with the State Single Audit Circular issued under UGMS, within 30 calendar days after the grantee receives the audit results or nine months after the end of the audit period, whichever is earlier.

Supplanting – Awarded funds must be used to supplement existing funds for program activities and not replace (supplant) funds that have been appropriated for the same purpose. Grant monitors and auditors will look for potential supplanting during reviews. Violations may result in a range of penalties, including suspension of future funds, suspension or debarment from receiving federal or state grants, recoupment of monies provided under the grant, and civil or criminal penalties. Refer to the Guide to Grants at https://eGrants.governor.state.tx.us/updates.aspx for additional information on supplanting.

Conflict of Interest – Grantees should have in place established safeguards to prohibit employees from using their positions for a purpose that is, or gives the appearance of being motivated by a desire for private gain for themselves or others, particularly those with whom they have family, business, or other ties.

Contracting and Procurement – Grantees must follow their established policy and best practices for procuring goods or services with grant funds. Contracts must be routinely monitored for delivery of services or goods. When contractual or equipment procurement is anticipated to be in excess of $100,000, grantees must submit a Procurement Questionnaire https://eGrants.governor.state.tx.us/updates.aspx to CJD for approval prior to procurement.

Travel – Grantees must follow their established policies and good fiscal stewardship related to travel expenses. If the grantee does not have established policies regarding in-state and out-of-state travel, grantee must use the travel guidelines established for state employees.

Uniform Crime Reporting – Local units of governments receiving funds from CJD must comply with all requirements for uniform crime reporting and must ensure that prompt reporting will remain current throughout the grant period.

Criminal History Reporting - Entities receiving funds from CJD must comply with all requirements outlined in the Texas Code of Criminal Procedure, Ch. 60, related to maintaining and reporting criminal history records.

Limited English Proficiency – Grantees must take reasonable steps to ensure that persons with limited English proficiency have meaningful access to services. Meaningful access may entail providing language assistance services, including oral and written translation when necessary. Additional information on this requirement can be found at http://www.lep.gov.

Law Enforcement Programs – Law enforcement programs receiving funds from CJD must be in compliance with all rules developed by the Texas Commission on Law Enforcement Officer Standards and Education.

28 C.F.R. Part 23 Training - Any grant funded individual responsible for entering information into or retrieving information from an intelligence database must complete continuing education training on operating principles described by 28 C.F.R. Part 23 at least once for each continuous two-year period the person has primary responsibility for entering data into or retrieving data from an intelligence database.

Programs Approved to Pay Overtime for Personnel - Overtime is allowable to the extent that it is included in the CJD approved budget, the grantee agency has an overtime policy approved by its governing body, and both grant-paid and non-grant paid personnel are treated the same with regards to the application of overtime policy(ies). In addition, in no case is dual compensation allowable. That is, an employee of a grantee agency may not receive compensation for hours worked (including paid leave) from his/her agency AND from an award for a single period of time, even though such work may benefit both activities. Overtime payments issued outside of these guidelines are the responsibility of the grantee agency.

Cancellation for Awards - Grantees must take reasonable steps to commence project activities upon receiving notice of a grant award:

> **Commencement Within 60 Days.** If a project is not operational within 60 days of the original start date of the award period or grant award date as noted on this memorandum, whichever is later, the grantee must report by letter to CJD the steps taken to initiate the project, the reasons for delay, and the expected revised start date.

Commencement Within 90 Days. If a project is not operational within 90 days of the original start date of the award period or grant award date as noted on this memorandum, whichever is later, the grantee must submit a second statement to CJD explaining the implementation delay. Upon receipt of the 90-day letter, CJD may cancel the project and redistribute the funds to other project areas. CJD may also, where extenuating circumstances warrant, extend the implementation date of the project past the 90-day period.

Public Information Requests - Grantees must immediately notify and provide a copy to CJD of any Public Information Request received by the agency related to this grant award.

Prohibited Acts of Agencies and Individuals - Grant funds may not be used in connection with the following acts by agencies or individuals employed by grant funds:

- Grant funds may not be used to finance or otherwise support the candidacy of a person for an elected local, state, or federal office. This prohibition extends to the direct or indirect employment of a person to perform an action described by this subsection. In addition, grant-funded or grant-leased motor vehicles may not be used for the purpose described above.
- Grant officials or grant funded employees may not use official authority or influence or permit the use of a program administered by the grantee agency of which the person is an officer or employee to interfere with or affect the result of an election or nomination of a candidate or to achieve any other political purpose.
- Grant funded employees may not coerce, attempt to coerce, command, restrict, attempt to restrict, or prevent the payment, loan, or contribution of anything of value to a person or political organization for a political purpose.
- Grantees must comply with the federal Hatch Act (5 U.S.C. §§ 1501- 1508) which restricts the political activity of some state and local employees who work in connection with federally funded programs. Covered state and local employees may not: 1) be candidates for public office in a partisan election; 2) use official authority or influence to interfere with or affect the results of an election or nomination; or, 3) directly or indirectly coerce contributions from subordinates in support of a political party or candidate.

Employment of a Lobbyist - Grant funds may not be used to employ, as a regular full-time or part-time or contract employee, a person who is required by Chapter 305 of the Government Code to register as a lobbyist. Furthermore, grant funds may not be used to pay, on behalf of the agency or an officer or employee of the agency, membership dues to an organization that pays part or all of the salary of a person who is required by Chapter 305 of the Government Code to register as a lobbyist.

Legislative Lobbying - Grant funds may not be used to attempt to influence the passage or defeat of a legislative measure.

Use of Alcoholic Beverages - Grant funds may not be used to compensate an officer or employee who uses alcoholic beverages on active duty. In addition, grant funds may not be used to purchase an alcoholic beverage or to pay or reimburse a travel expense that was incurred for an alcoholic beverage.

DATE: October 22, 2013
DEPARTMENT HEAD: Arnold K. Patrick, Executive Director
DEPARTMENT NAME: Adult Probation
PROGRAM: VETERANS COURT
ACCOUNT NUMBER: 3-1297-423-00-320-033-4-XXX

SUBJECT: Budget Amendments (decrease/increase) in Accordance with Local Government Code, Chapter 111, Subchapter C

Honorable Bobby Flores, Community Supervision & Corrections Department Overseer

I would like to request the following amendments (increases) to my department budget in accordance with Local Government Code, Chapter 111, Subchapter C.

INCREASE OBJECT NUMBER(S)					ACCOUNT (OBJECT) NAME		AMOUNT
3-1297-423-00-320-	033-	4-	113		Veterans Court-	Full-Time Employees	61,988.94
3-1297-423-00-320-	033-	4-	211		Veterans Court-	Health Insurance	6,962.79
3-1297-423-00-320-	033-	4-	212		Veterans Court-	Life Insurance	30.86
3-1297-423-00-320-	033-	4-	220		Veterans Court-	FICA	4,742.15
3-1297-423-00-320-	033-	4-	230		Veterans Court-	Retirement	6,508.84
3-1297-423-00-320-	033-	4-	250		Veterans Court-	Unemployment Compensation	340.94
3-1297-423-00-320-	033-	4-	583		Veterans Court-	Out of County Travel	3,500.00
					TOTAL APPROPRIATION		**84,074.52**
3-1297-334-10-320-	033-	4-	000		Funding Revenue FY2014		84,074.53
					TOTAL REVENUES		**84,074.52**

REASON:

To setup the FY2014 Veterans Court budget #2431503 from 9/1/2013 to 8/31/2014.

Arnold K. Patrick, Director
Hidalgo County CSCD

Date

Honorable Bobby Flores
Department Overseer

Date

Ray Eufracio, CPA

Date

AI-41277 **Urban County 10. A.**

CC REGULAR

Meeting Date: 10/22/2013

Submitted For: Lupita Garcia **Submitted By:** Mary Flores, URBAN COUNTY

Department: URBAN COUNTY

Information

CAPTION

1. Hold a Public Hearing to consider public comments for Hidalgo County Precinct No. 3's proposed budget and program amendment for Forfeited and Recaptured Funds for fiscal years (2004, 2008, 2010, 2011, 2012, & 2013) and surplus funds in fiscal year (2009). The proposed amendment will increase Street Improvements funding and add bridge improvements to Mile 2.

2. Requesting approval of a budget and program amendment for Hidalgo County Precinct No. 3 for Forfeited and Recaptured Funds for fiscal years (2004, 2008, 2010, 2011, 2012, & 2013) and surplus funds in fiscal year (2009). The proposed amendment will increase Street Improvements funding and add bridge improvements to Mile 2.

BACKGROUND

A Public Hearing was held on October 22, 2013, at 9:30 A.M. and citizen participation requirements have been met. Hidalgo County Precinct No. 3 proposed budget and program amendment for Forfeited and Recaptured Funds for fiscal years (2004, 2008, 2010, 2011, 2012, & 2013) and surplus funds in fiscal year (2009). The proposed amendment will increase Street Improvements funding and add Bridge improvements to Mile 2. See attached copy of Public Hearing Notice.

Attachments

Pct 3 Budget & Program Amendment

Form Review

Inbox	Reviewed By	Date
Budget & Management	Obdett Calzada	10/16/2013 04:30 PM
Purchasing Department	Monica Badillo	10/18/2013 04:51 PM

Form Started By: Mary Flores Started On: 10/16/2013 02:25 PM

Final Approval Date: 10/18/2013

HIDALGO COUNTY PRECINCT NO. 3
URBAN COUNTY PROGRAM

BUDGET AND PROGRAM AMENDMENT

In compliance with Community Development Block Grant (CDBG) requirements, the Hidalgo County Precinct No. 3 will conduct a Public Hearing to solicit input from interested parties on the Precinct's proposed Budget and Program Amendment to its Urban County program, Various Years of Forfeited and Recaptured Funds.

The Public Hearing will be held on Tuesday, October 22, 2013 at 9:30 a.m. at County Commissioner's Court located at 415 W University Drive in Edinburg, Texas 78539.

Following is the proposed Budget and Program Amendment for consideration:

Existing Budget	Forfeited and Recaptured Fiscal Year & Activities	Proposed Budget
$ 40,984.17	2004 Water/Sewer (Penitas)	$ 0.00
$137,477.32	2008 Water/Sewer (Penitas)	$ 0.00
$ 11,477.90	2010 Parks, Recreational Fac. (Penitas)	$ 0.00
$ 50,000.00	2011 Public Facilities Imp. (Granjeno)	$ 0.00
$ 19,074.00	2012 Street Imp. (Palmhurst)	$ 0.00
$ 19,074.00	2013 Street Imp. (Palmhurst)	$ 0.00
$ 3,000.00	2013 General Administration (Sullivan City)	$ 0.00
$ 3,000.00	2013 Public Services (General) (Sullivan City)	$ 0.00
$ 00.00	2004 Street Improvements (Mile 2-Bridge Project)	$ 40,984.17
$ 00.00	2008 Street Improvements (Mile 2-Bridge Project)	$ 137,477.32
$ 00.00	2010 Street Improvements (Mile 2-Bridge Project)	$ 11,477.90
$ 00.00	2011 Street Improvements (Mile 2-Bridge Project)	$ 50,000.00
$ 00.00	2012 Street Improvements (Mile 2-Bridge Project)	$ 19,074.00
$ 00.00	2013 Street Improvements (Mile 2-Bridge Project)	$ 25,074.00
$284,087.39	**TOTAL**	**$ 284,087.39**

The proposed budget & program amendment will delete the forfeited and recaptured funded projects and create an additional street improvements project to complete Mile 2- bridge project (between FM 492 and Abram Road) including but not limited to the construction of a bridge and all related appurtenances related to project completion. This is an already environmentally cleared multi-year funded project.

Existing Budget	2009 Activity	Proposed Budget
$5,260.00	Water/Sewer Improvements	$ 0.00
$ 0.00	Street Improvements (Mile 2-Bridge Project)	$5,260.00
$5,260.00	**TOTAL**	**$5,260.00**

The proposed budget & program amendment will transfer surplus funds into a street improvements line item to complete the Mile 2- bridge project (between FM 492 and Abram Road) including but not limited to the construction of a bridge and all related appurtenances related to project completion. This is an already environmentally cleared multi-year funded project.

Accommodations for individuals with handicaps shall be provided upon request.

Presentation can be made in English or Spanish by public request.

For more information, please come by our office or call (956) 205-7000. Written comments may be forwarded to:

Commissioner Joe M. Flores
724 N. Breyfogle
Mission, Texas 78574

CONDADO DE HIDALGO PRICINCTO NO. 3
PROGRAMA URBANO DEL CONDADO
PRESUPUESTO Y MODIFICACIÓN DEL PROGRAMA

En cumplimiento de los requisitos de Programa del desarrollo comunitario de beca de bloque (CDBG), el Condado de Hidalgo, Pricincto N º 3 llevará a cabo una audiencia pública para solicitar la opinión de las partes interesadas en el Presupuesto de el proyecto del Pricincto No. 3 y la modificación de programa del programa Condado Urbano, para varios años de Fondos Decomisados y Recapturados.

La audiencia pública se llevará a cabo el Martes, el dia 22 de octubre 2013 a las 9:30 am en la Corte de Comisionados del Condado ubicado en 415 W University Drive en Edinburg, Texas 78539.

A continuación se presenta el presupuesto de el projecto y la modificacion del Programa para su consideración:

Existentes Propuesto	**Decomisados y Recapturados Ano fiscal y lista de actividades**	**Presupuesto**
$ 40,984.17	2004 Agua y Alcantarillado (Penitas)	$ 0.00
$137,477.32	2008 Agua y Alcantarillado(Penitas)	$ 0.00
$ 11,477.90	2010 Parques, Facilidades Recreativas (Penitas)	$ 0.00
$ 50,000.00	2011 Mejoramientos de Facilidades Públicos (Granjeno)	$ 0.00
$ 19,074.00	2012 Mejoras de Calles (Palmhurst)	$ 0.00
$ 19,074.00	2013 Mejoras de Calles (Palmhurst)	$ 0.00
$ 3,000.00	2013 Administracion General (Sullivan City)	$ 0.00
$ 3,000.00	2013 Servicios Publicos (General) (Sullivan City)	$ 0.00
$ 00.00	2004 Mejoras de Calles (Mile 2-Puente)	$ 40,984.17
$ 00.00	2008 Mejoras de Calles (Mile 2-Puente)	$ 137,477.32
$ 00.00	2010 Mejoras de Calles (Mile 2-Puente)	$ 11,477.90
$ 00.00	2011 Mejoras de Calles (Mile 2-Puente)	$ 50,000.00
$ 00.00	2012 Mejoras de Calles (Mile 2-Puente)	$ 19,074.00
$ 00.00	2013 Mejoras de Calles (Mile 2-Puente)	$ 25,074.00
$284,087.39	**TOTAL**	**$ 284,087.39**

La enmienda del presupuesto y programa propone eliminar los proyectos ya financiados, decomisados y recapturados y crear un proyecto adicional de calles para completar las mejoras de calles- Mile 2 - proyecto de puente (entre FM 492 y Abram Road) incluyendo, pero no limitado a la construcción de un puente y todos los accesorios relacionados en relación con la finalización del proyecto. Se trata de un proyecto financiado multianual y el medio ambiente aprobado.

Existing Budget	**2009 Activity**	**Proposed Budget**
$5,260.00	Agua y Alcantarillado	$ 0.00
$ 0.00	Mejoras de Calles (Mile 2-Puente)	$5,260.00
$5,260.00	**TOTAL**	**$5,260.00**

La enmienda del presupuesto y programa propone transferir fondos excedentes en una línea de artículos para mejoras calles para completar la Milla 2 - proyecto de puente (entre FM 492 y Abram Road) incluyendo, pero no limitado a la construcción de un puente y todos los accesorios relacionados con la finalización del proyecto . Se trata de un proyecto financiado multianual y el medio ambiente aprobado.

Alojamiento para las personas con discapacidad se puede proporcionar a petición.

Las presentaciones se haran en espanol o ingles para aquellas personas que asi lo deseen.

Para obtener más información, por favor venga a nuestra oficina o llame al (956) 205-7000. Los comentarios escritos pueden enviarse a:

Comisionado Joe M. Flores
724 N. Breyfogle
Mission, Texas 78574

AI-41127 **Urban County 10. B.**

CC REGULAR

Meeting Date: 10/22/2013

Submitted For: Monica Leal **Submitted By:** Mary Flores, URBAN COUNTY

Department: URBAN COUNTY

Information

CAPTION

Urban County Program on behalf of the City of Weslaco is requesting consideration and action to award and enter into a construction contract with J Con Construction, LLC for a public facility (library restroom renovation) project located within the City of Weslaco. Total contract amount of $82,500.00 utilizing UCP - City of Weslaco FY's 24 & 25 (2011 & 2012) public facility funds.

BACKGROUND

The City of Weslaco has requested and received bids for the public facilities (library restroom renovations) project. Alcocer Garcia Associates, Inc., Architect prepared the specification packages; bids were received and opened at the Hidalgo County – Purchasing Department on September 25, 2013. After review the architect recommended J Con Construction, LLC, as the lowest of three (3) qualified bidders. (See attached recommendation letter from Alcocer Garcia Associates, Inc. and a copy of bid tabulations.)

Contractor:	J Con Construction, LLC	
Contract Amount:	$ 82,500.00	
Funds Available:	$ 43,135.30	FY 24 (2011) Public Facilities
	$ 66,000.00	FY 25 (2012) Public Facilities
Total:	$109,135.30	

Attachments

Agenda Backup

Form Review

Inbox	Reviewed By	Date
Budget & Management	Ivan Cantu	10/08/2013 04:42 PM
Purchasing Department	Monica Badillo	10/18/2013 04:51 PM

Form Started By: Mary Flores Started On: 10/08/2013 02:07 PM

Final Approval Date: 10/18/2013

City of Weslaco

"The City on the Grow"

Miguel D. Wise, Mayor
John F. Cuellar, Mayor Pro-Tem, District 2
David R. Fox, Commissioner, District 1
Olga M. Noriega, Commissioner, District 3
Gerardo "Jerry" Tafolla, Commissioner, District 4
Lupe V. Rivera, Commissioner, District 5
Joe A. Martinez, Commissioner, District 6

Leonardo Olivares, City Manager

September 30, 2013

Monica Leal
Program Coordinator
Hidalgo County
Urban County Program

Re: Weslaco Library Restroom Renovations

We are in agreement with the recommendation from the architects, Alcocer and Garcia, to award the contract for the above project to J Con Construction, LLC. We request that this be put on CCC agenda for approval. Thank you.

Sincerely,

Leonardo Olivares
City Manager

Alcocer Garcia Associates, Inc.
1333 E. Jasmine Ave McAllen, Texas 78501 Off. 956-618-2007 Fax. 956-618-2008

September 26, 2013

City of Weslaco
c/o Gloria Givilancz, Grants Coordinator
255 S. Kansas Ave.
Weslaco, TX 78596

Project: Weslaco Library Restroom Renovations
Project No.: UCP 5011/12-80-0300-5000-8000-UCP-ML

Dear Ms Givilancz,

Enclosed herewith is the tabulation of construction bids received, as scheduled, on September 25, 2013 for the referenced project.

The lowest bid, $ 82,500.00, was submitted by J Con Construction, LLC. All documents submitted with this bid were in order. We are familiar with J Con Construction. J Con is the general contractor for one our projects, the new La Joya Public Library, which is also an Urban County project. To-date, the contractor's work has been satisfactory. Enclosed is a copy of the company's background information.

Based on the above, we recommend that the construction contract be awarded to J Con Construction, LLC, in the amount of the bid submitted of $ 82,500.00. Please let us know if we can provide any further information at this time.

Sincerely,

George A. Garcia,
Project Architect

encls

cc: Monica Leal, UCP Coordinator

ALCOCER GARCIA ASSOCIATES , INC.
1333 E. Jasmine Ave. McAllen, Texas 78501 Off. 956-618-2007 Fax. 956-618-2008

Project: Weslaco Library Restroom Renovations
Project No: UCP 5011/12-80-0300-5000-8000-UCP-ML
Owner: City of Weslaco, Texas
Bids Due : 9:30 A.M., September 25, 2013
Addenda Issued: None

Tabulation of Bids Received

BIDDER	BID AMOUNT	BID BOND
JCon Construction, LLC	$ 82,500.00	yes
Gomez Construction	$ 83,000.00	yes
Pietra Construction	$ 115,000.00	yes

JCON
Commercial Construction & Management
604 Palmview Drive
Palmview, TX 78574
PHONE: (956) 581-8899 FAX: (956) 581-8892 CELL: (956) 227-3215

GENERAL INFORMATION

**Previously doing business under Zitro Electric/Construction for Bonding purposes. **

IN BUSINESS SINCE 2011

NO. OF EMPLOYEES:

1. Juan Jose Pena Jr. – Managing Member
2. Juan Ortiz – Managing Member

INSURANCE: The Klement Agency, P.O. Box 820, Prosper, TX 75078, 972-562-7455

REFERENCES:

1. Tom Brewka @ Time Insurance Agency, 210-201-8105
2. Alex Palacios @ Prodigy Construction Management, 956-821-8014
3. Saul Maldonado @ SAMES Engineering, 956-451-5826
4. David Nacenciano @ , City of Palmview, TX, 956-522-1575
5. John Alaniz @ City of Palmview, TX,956-432-0300

CURRENT AND COMPLETE PROJECTS:

PROJECT	ADDRESS	CONTACT	CELL #	STATUS
SUN DECK MOTEL ADDITION	501 S. Cage Blvd. Pharr, TX 78577	Dilbag Sinh	956-221-8650	100% COMPLETE
AGUA SUD	3120 N. Abram Rd Palmview, TX 78574	Saul Maldonado	956-451-5826	100% COMPLETE
CITY OF PALMVIEW FIRE DEPARTMENT	215 Showers Rd Palmview, TX 78574	David Nacenciano	956-522-1575	100% COMPLETE
CITY OF EDINBURG POLICE DEPT SHOOT HOUSE PROJECT	1702 S. Closner Edinburg, TX 78541	Ramiro Garza Jr	956-383-5661	100% COMPLETE
La Joya Municipal Library	201 Palm Shore Blvd La Joya, TX 78560	George Garcia	956-618-2007	85% COMPLETE

HIDALGO COUNTY PURCHASING DEPARTMENT
BID TABULATION SHEET

DEPARTMENT NAME: HIDALGO COUNTY – URBAN COUNTY PROGRAM

BID OPENING DATE: September 25, 2013	**BID OPENING TIME: 9:30 A.M.**

DESCRIPTION OF BID:"City of Weslaco-Public Facilities Improvements(Library)"

BID NO: 5011/12-80-0300-5000-8000-UCP-ML **PROCUREMENT SPECIALIST:**

RFB NO.	Name of Company	Bid Price	Bid Bond/ Cashier's Check Included
1.	Pietra Construction, LLC	$115,000.00	✓
2.	Gomez Construction, Inc.	$83,000.00	✓
3.	JCON Construction	$82,500.00	✓
4.			
5.			
6.			
7.			
8.			
9.			

***TYPED AS READ AT BID OPENING, AMOUNTS NOT VERIFIED/CALCULATED.**

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 10/07/2013

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME: GREG KLEMENT
THE KLEMENT AGENCY P.O. BOX 820 PROSPER TX 75078	PHONE (A/C, No, Ext): (972) 562-7455 FAX (A/C, No): (972) 562-7129 E-MAIL ADDRESS: GREG@KLEMENTAGENCY.COM

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : ESSEX INSURANCE	
INSURER B : TEXAS MUTUAL INSURANCE CO.	
INSURER C :	
INSURER D :	
INSURER E :	
INSURER F :	

INSURED: JCon Construction, LLC, 604 Palmview Dr, Mission TX 78572-

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	GENERAL LIABILITY			3DL0489	01/02/2013	01/02/2014	EACH OCCURRENCE	$ 1,000,000
	X COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurrence)	$ 100,000
	CLAIMS-MADE X OCCUR						MED EXP (Any one person)	$ 5,000
							PERSONAL & ADV INJURY	$ 1,000,000
							GENERAL AGGREGATE	$ 2,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						PRODUCTS - COMP/OP AGG	$ 2,000,000
	X POLICY PRO-JECT LOC							$
A	AUTOMOBILE LIABILITY			3DL0489	01/02/2013	01/02/2014	COMBINED SINGLE LIMIT (Ea accident)	$ 1,000,000
B	ANY AUTO			023746880	08/28/2013	08/28/2014	BODILY INJURY (Per person)	$
	ALL OWNED AUTOS X SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	X HIRED AUTOS X NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	$
							CSL SCHEDULED	$ 100,000
A	UMBRELLA LIAB X OCCUR			MAPXS00000600	07/26/2013	01/02/2014	EACH OCCURRENCE	$ 1,000,000
	X EXCESS LIAB CLAIMS-MADE						AGGREGATE	$ 1,000,000
	DED RETENTION $							$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y/N	N/A		314355320122711	11/27/2012	11/27/2013	X WC STATU-TORY LIMITS OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)						E.L. EACH ACCIDENT	$ 1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

CERTIFICATE HOLDER

HIDALGO COUNTY- URBAN COUNTY PROGRAM
3304 W ALBERTA
EDINBURG TX 78539-

Fax: ( ) -

CANCELLATION

AI 108350

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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CONSTRUCTION CONTRACT

This Agreement entered into this **22nd day of October 2013** by and between Hidalgo County acting by and through Hidalgo County Urban County Program, hereinafter called the "OWNER", acting herein through its County Judge and **J Con Construction, LLC** (a limited liability company) (**a partnership**) (an individual) of the City of **Mission** State of Texas, hereinafter called "CONTRACTOR".

WITNESSETH

That for and in consideration of the payments and agreements hereinafter mentioned, to be made and performed by the OWNER, the CONTRACTOR hereby agrees with the OWNER to commence and complete the construction described as follows:

PROJECT NAME:	**Public Facilities Improvements (Library Restroom Renovations)**
PROJECT No.:	**5011/12-80-0300-5000-8000-UCP-ML**
PROJECT DESCRIPTION:	**Weslaco Library Restroom Renovations**

hereinafter called the project, for the sum of **($82,500.00) Eighty-two thousand five hundred dollars and no cents** and all extra work in connection therewith, under the terms as stated in the General and Special Conditions of the Contract; and at his (its or their) own proper cost and expense to furnish all the materials, supplies, machinery, equipment, tools, superintendence, labor, insurance, and other accessories and services necessary to complete the said project in accordance with the conditions and prices stated in the Proposal, the General Conditions, Supplemental General Conditions and Special Conditions of the contract, the plans, which include all maps, plats, blue prints, and other drawings and printed or written explanatory matter thereof, the specifications and contract documents therefore as prepared by **George Garcia, Architect**, and as enumerated in Paragraph 1 of the Supplemental General Conditions, all of which are made a part hereof and collectively evidence and constitute the contract.

The CONTRACTOR hereby agrees to commence work under this contract on or after a date to be specified in a written "Notice to Proceed" of the OWNER and to fully complete the project within **130** consecutive calendar days thereafter. The CONTRACTOR further agrees to pay, as liquidated damages, the sum of **($150.00) one hundred fifty dollars and zero cents** for each consecutive calendar day thereafter as hereinafter provided in Paragraph 19 of the General Conditions.

The OWNER agrees to pay the CONTRACTOR in current funds for the performance of the contract, subject to additions and deductions, as provided in the General Conditions of the contract, and to make payments on account thereof as provided in Paragraph 25, "Payments to Contractor", of the General Conditions.

IN WITNESS WHEREOF, the parties to these presents have executed this contract in four (4) counterparts, each of which shall be deemed an original, in year and day first above mentioned.

Juan Peña, Jr. Owner

Name of Firm: J Con Construction, LLC

Address: 604 Palmview Dr.
Mission, TX 78572

Federal I.D./S.S.: 46-1401575

STATE OF TEXAS '
'
COUNTY OF HIDALGO '

This instrument was acknowledged before me on this the ____ day of _____, 2013,

by Juan Peña, Jr., Owner of and on behalf of JCon Construction, LLC.
(name) (title) (a limited liability company) (a partnership)
(an individual)

Notary Public - Signature

WITNESS:

URBAN COUNTY PROGRAM

Diana R. Serna
Urban County Director

APPROVED AS TO FORM
Atlas, Hall & Rodriguez
By: Stephen L. Crain
Date: July 12, 2012

AI-41158 **Urban County 10. C.**

CC REGULAR

Meeting Date: 10/22/2013

Submitted For: Monica Leal **Submitted By:** Mary Flores, URBAN COUNTY

Department: URBAN COUNTY

Information

CAPTION

Urban County Program on behalf of the Precinct No. 1 is requesting authority to purchase fire station equipment for the Monte Alto Volunteer Fire Department. Purchase will be made from Casco Industries, Inc. (contract # 363-10) an approved vendor through Hidalgo County's membership and participation with Buy Board. The total amount of purchase is $13,395.51 (quote attached) for the Monte Alto Volunteer Fire Department funded thru FY 23 & 24 (2010 & 2011) Precinct No. 1 – Fire Station/Equipment line item.

BACKGROUND

The fire station/equipment purchased will be utilized at the Monte Alto Volunteer Fire Department. See attached quote.

Vendor: **Casco Industries, Inc.**

Purchase Amount: **$13,395.51**

Funds Available:	$ 3,268.26	FY 23 (2010) Fire Station/Equipment
	$20,000.00	FY 24 (2011) Fire Station/Equipment
	$23,268.26	

Attachments

Agenda backup

Form Review

Inbox	Reviewed By	Date
Budget & Management	Ivan Cantu	10/09/2013 03:02 PM
Purchasing Department	Monica Badillo	10/18/2013 04:51 PM

Form Started By: Mary Flores Started On: 10/09/2013 12:00 PM

Final Approval Date: 10/18/2013

Casco INDUSTRIES, INC.
Fire Equipment Sales & Service

Providing Protection for those Who Protect Us since 1950

14233 Interdrive West Houston, TX 77032 281-442-1800 Office 281-442-1803 Fax
Toll Free 1-800-397-0930

QUOTATION

To: MONTE ALTO FD **Attn: DAVID GARCIA** **Fax: 956-262-4325** **E-Mail:**	**Ship to:** Same **BUY BOARD # 363-10**

Date	Quoted By	Date Expected	Ship Via	F.O.B.	Terms
9/17/13	BOB YANCY		Best Way	DESTINATION	NET 30 Days

Qty	Description	List Price	% Discount	Unit Price	Total
1	GROVES-RRWM-8/20 WALL MOUNTED RED RACK	1,930.00	11%	1,717.70	1,717.70
1	MSA-BM7LD13COC14AABO M7 SCBA 2216 PSI	8,964.00	53%	4,750.92	4,750.92
2	AKRON-PHY-6 PICKHEAD AXE 6LB 36"	87.00	37%	54.81	109.62
2	AKRON-FHY-6 FLATHEAD AXE 6LB 36"	78.00	37%	49.14	98.28
1	AKRON-WPL-4 PULASKI AXE 36" WOOD HANDLE	80.00	37%	50.40	50.40
2	AKRON-443-001 3 WRENCH HOLDER WITH 1 (15) & 2 (10) HYDRANT WRENCHES	283.00	37%	178.29	356.58
1	TEMPEST-TV406-606 VENTMASTER 14" DIAMOND BLADE	1,900.00	25%	1,425.00	1,425.00
2	AKRON-1702 1" TURBO JET W/PISTOL GRIP	1,057.00	37%	665.91	1,331.82
1	AKRON-1720 1.5" TURBO JET W/PISTOL GRIP	1,120.00	37%	705.60	705.60
2	AKRON-FB15 FIRE SWATTER 60"	52.00	37%	32.76	65.52

2	AKRON-15 HYDRANT WRENCH	89.00	37%	56.07	112.14
2	AKRON-W1-50-NST BOOSTER HOSE 1" X 50' HARD RUBBER	550.00	37%	346.50	693.00
4	NORTH AMERICAN-DB15X50YEN HOSE 1.5" X 50' NYLON	184.00	30%	128.80	515.20
4	NORTH AMERICAN-1871X50PFN HOSE 1" X 50' FORESTRY	97.50	33.58974%	64.75	257.00
1	AKRON-1088 6' PIERCING NOZZLE	1,235.00	37%	778.05	778.05
4	CHEMGUARD-CAP FOAM CLASS A PLUS 5 GALLON PAIL	121.05	50%	60.52	242.08
1	ELKHART-242-95 1.5" X 1.5" DOUBLE FEMALE 95 GPM	311.00	40%	186.60	186.60

Sub Total	**$13,395.51**
Shipping	**0.00**
TOTAL	**$13,395.51**

BOB YANCY / Sales Representative

COUNTY OF HIDALGO - URBAN COUNTY PROGRAM

Price Proposal Form

Price Proposal Form must be submitted to Urban County for pre-approval prior to the purchase. Use additional forms as needed.

Name of Cooperative: Buy Board Person Contacted: Bob Yancy

Purchase #1 Vendor Name: Casco Industries Inc Contract No. : 363-10 Phone: 281-442-1800

Quantity	Description of Items	Price per Unit	Total Amount
1	GROVES-RRWM-8/20 WALL MOUNTED RED RACK	1,930.00	1,717.70
1	MSA-BM7LD13COC14AABO M7 SCBA 2216 PSI	8,964.00	4,750.92
2	AKRON-PHY-6 PICKHEAD AXE 6LB 36"	87.00	109.62
2	AKRON-FHY-6 FLATHEAD AXE 6LB 36"	78.00	98.28
1	AKRON-WPL-4 PULASKI AXE 36" WOOD HANDLE	80.00	50.40
2	AKRON-443-001 3 WRENCH HOLDER WITH 1 (15) & 2 (10) HYDRANT WRENCES	283.00	356.58
1	TEMPEST-TV406-606 VENTMASTER 14" DIAMOND BLADE	1,900.00	1,425.00
2	AKRON-1702 1" TURBO JET W/PISTOL GRIP	1,057.00	1,331.82
1	AKRON-1720 1.5" TURBO JET W/PISTOL GRIP	1,120.00	705.60
2	AKRON-FB15 FIRE SWATTER 60"	52.00	65.52
2	AKRON-15 HYDRANT WRENCH	89.00	112.14
2	AKRON-W1-50-NST BOOSTER HOSE 1" X 50' HARD RUBBER	550.00	693.00
4	NORTH AMERICAN-DB15X50YEN HOSE 1.5" X 50' NYLON	184.00	515.20
4	NORTH AMERICAN-187X50PFN HOSE 1" X 50' FORESTRY	92.50	257.00
1	AKRON-1088 6' PIERCING NOZZLE	1,235.00	778.05
4	CHEMGUARD-CAP FOAM CLASS A PLUS 5 GALLON PAIL	121.05	242.08
1	ELKHART-242-95 1.5" X 1.5" DOUBLE FEMALE 95 GPM	311.00	186.60
		TOTAL:	$13,395.51

Received
SEP - 6 2013
Hidalgo County Auditor's Office

Recommendation: 9/4/13

Requested by: Date

UCP Approval: Date 9-9-13

Phone: 800-695-2919
Fax: 800-211-5454
Email: info@buyboard.com

Vendor Contract Information

Proposal Document | Back

Search:

All
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Refine Your Search:

Vendors
Casco Industries, Inc.[X]
Price Range
Show all prices
Category
None Selected
Contract
None selected

Additional Searches:

Search by Vendor

Browse Contracts

Instructional Materials

Additional Resources

Vendor Name:	Casco Industries, Inc.
Address:	607 West 62 Street
	Shreveport, LA 71106
Phone Number:	(800) 551-8787
Email:	david@cascoindustries.com
Federal ID:	72-0698936
Contact:	David Stewart
Accepts RFQs:	Yes
Minority Owned Vendor:	No
Women Owned Vendor:	No
Contract Name:	Public Safety & Fire House Supplies & Equipment
Contract#:	363-10
Effective Date:	04/01/2011
Expiration Date:	03/31/2014
Payment Terms:	Net 30 days
Delivery Days:	60
Shipping Terms:	Free Freight
Freight Terms:	FOB Destination
Ship Via:	Common Carrier
Region Served:	All Texas Regions
States Served:	Arkansas, Colorado, Kansas, Louisiana, Missouri, New Mexico, Oklahoma, Texas
Quote Reference Number:	363-10
Return Policy:	RGA required.
Regulatory Notice:	**Click to view Bonding Regulatory Notice**

Phone: 800-695-2919
Fax: 800-211-5454
Email: info@buyboard.com

Search Results

Search:
casco
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Vendor Discounts Only
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Refine Your Search:

Vendors
Casco Industries, Inc.[X]
Price Range
Show all prices
Category
None Selected
Contract
None selected

Additional Searches:

Search by Vendor

Browse Contracts

Instructional Materials

Additional Resources

Show 25 results

Narrow Results:

Vendor	Description	Pri
Casco Industries, Inc.	56% Discount Off Streamlight Pricelist for Flashlights, Batteries, Etc.	P
Casco Industries, Inc.	50% Discount Off Chemguard Pricelist for all Fire Fighting Foam	

Extended Product Information

Reference Number: 363-10
Brand: Various
Part Number: Catalog
Unit Measure: EA
Full Description: 50% Discount Off Chemguard Pricelist for all Fire Fighting Foam

Casco Industries, Inc.	46% Discount Off Kochek Pricelist for all Other Fire House Equipment & Supplies.	P
Casco Industries, Inc.	40% Discount Off MSA Cairns Helmets Pricelist for all Protective Clothing & Rescue Gear including Helmets and Gear Bags.	P
Casco Industries, Inc.	40% Discount Off Elkhart Pricelist for all Fire Hose & Nozzles	

Extended Product Information

Reference Number: 363-10
Brand: Various
Part Number: Catalog
Unit Measure: EA
Full Description: 40% Discount Off Elkhart Pricelist for all Fire Hose & Nozzles

Casco Industries, Inc.	37% Discount Off Akron/Weldon Lighting Pricelist for all Portable Lighting Equipment	P
Casco Industries, Inc.	37% Discount Off Akron Brass Pricelist for all Other Fire House Equipment & Supplies	P

Extended Product Information

Reference Number: 363-10
Brand: Various
Part Number: Catalog
Unit Measure: EA
Full Description: 37% Discount Off Akron Brass Pricelist for all Other Fire House Equipment & Supplies

Casco Industries, Inc.	35% Discount Off Nulpa Pricelist for all Other Fire House Equipment & Supplies	
Casco Industries, Inc.	35% Discount Off Leatherhead Pricelist for all Other Fire House Equipment & Supplies	
Casco Industries, Inc.	35% Discount Off Globe Pricelist for all Turnout Gear.	P

Phone: 800-695-2919
Fax: 800-211-5454
Email: info@buyboard.com

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Search:
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Refine Your Search:

Vendors
Casco Industries, Inc.[X]
Price Range
Show all prices
Category
None Selected
Contract
None selected

Additional Searches:

Search by Vendor
Browse Contracts
Instructional Materials

Additional Resources

Show 25 results

Narrow Results:

Vendor	Description	Pri
Casco Industries, Inc.	56% Discount Off Streamlight Pricelist for Flashlights, Batteries, Etc.	P
Casco Industries, Inc.	50% Discount Off Chemguard Pricelist for all Fire Fighting Foam	

Extended Product Information

Reference Number: 363-10
Brand: Various
Part Number: Catalog
Unit Measure: EA
Full Description: 50% Discount Off Chemguard Pricelist for all Fire Fighting Foam

Casco Industries, Inc.	46% Discount Off Kochek Pricelist for all Other Fire House Equipment & Supplies.	P
Casco Industries, Inc.	40% Discount Off MSA Cairns Helmets Pricelist for all Protective Clothing & Rescue Gear including Helmets and Gear Bags.	P
Casco Industries, Inc.	40% Discount Off Elkhart Pricelist for all Fire Hose & Nozzles	

Extended Product Information

Reference Number: 363-10
Brand: Various
Part Number: Catalog
Unit Measure: EA
Full Description: 40% Discount Off Elkhart Pricelist for all Fire Hose & Nozzles

Casco Industries, Inc.	37% Discount Off Akron/Weldon Lighting Pricelist for all Portable Lighting Equipment	P
Casco Industries, Inc.	37% Discount Off Akron Brass Pricelist for all Other Fire House Equipment & Supplies	P

Extended Product Information

Reference Number: 363-10
Brand: Various
Part Number: Catalog
Unit Measure: EA
Full Description: 37% Discount Off Akron Brass Pricelist for all Other Fire House Equipment & Supplies

Casco Industries, Inc.	35% Discount Off Nulpa Pricelist for all Other Fire House Equipment & Supplies	
Casco Industries, Inc.	35% Discount Off Leatherhead Pricelist for all Other Fire House Equipment & Supplies	
Casco Industries, Inc.	35% Discount Off Globe Pricelist for all Turnout Gear.	P

Vendor	Description	Pri
Casco Industries, Inc.	32% Discount Off Thorogood Pricelist for Footwear	P
Casco Industries, Inc.	32% Discount Off Thorogood Pricelist for all Fire Fighters Protective Boots	P
Casco Industries, Inc.	30% Discount Off North American Fire Hose Pricelist for all Fire Hose & Nozzles.	P

Extended Product Information

Reference Number: 363-10
Brand: Various
Part Number: Catalog
Unit Measure: EA
Full Description: 30% Discount Off North American Fire Hose Pricelist for all Fire Hose & Nozzles

Casco Industries, Inc.	30% Discount Off MSA Pricelist for Breathing Apparatus.	P

Extended Product Information

Reference Number: 363-10
Brand: Various
Part Number: Catalog
Unit Measure: EA
Full Description: 30% Discount Off MSA Pricelist for Breathing Apparatus

Casco Industries, Inc.	30% Discount Off Globe Boots Pricelist for all Fire Fighters Protective Boots.	P
Casco Industries, Inc.	30% Discount Off Able 2 Sho-Me Pricelist for all Optical Emergency Traffic Pre-Emption Supplies & Eq.	
Casco Industries, Inc.	28% Discount Off ESS Pricelist for all Protective Clothing & Rescue Gear including Helmets and Gear Bags	
Casco Industries, Inc.	28% Discount Off ESS Pricelist for all Misc. Public Safety Products	
Casco Industries, Inc.	26% Discount Off MSA Thermal Imaging Cameras Pricelist for all Other Fire House Equipment & Supplies	P
Casco Industries, Inc.	26% Discount Off MSA Pricelist for Night Vision/Thermal Imaging Eq.	P
Casco Industries, Inc.	25% Discount Off Tempest Pricelist for all Other Fire House Equipment & Supplies	P

Extended Product Information

Reference Number: 363-10
Brand: Various
Part Number: Catalog
Unit Measure: EA
Full Description: 25% Discount Off Tempest Pricelist for all Other Fire House Equipment & Supplies

Casco Industries, Inc.	25% Discount Off Shelby Gloves Pricelist for all Protective Clothing & Rescue Gear including Helmets and Gear Bags	
Casco Industries, Inc.	25% Discount Off MSA Paraclete Tactical Accessories Pricelist for Tactical Equipment.	P
Casco Industries, Inc.	25% Discount Off Benchmade Pricelist for Knives & Tools	
Casco Industries, Inc.	22% Discount Off PGI Wildland Gear Pricelist for all Protective Clothing & Rescue Gear including Helmets and Gear Bags.	P

Showing 1 to 25 of 42 entries

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Category
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Contract
None selected

Additional Searches:

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Additional Resources

Show 25 results

Narrow Results:

Vendor	Description	Pri
Casco Industries, Inc.	22% Discount Off PGI Hoods Pricelist for all Protective Clothing & Rescue Gear including Helmets and Gear Bags.	P
Casco Industries, Inc.	22% Discount Off MSA Pricelist for all Gas Detection Devices.	P
Casco Industries, Inc.	21.5% Discount Off Franklin Gloves Pricelist for all Protective Clothing & Rescue Gear including Helmets and Gear Bags	
Casco Industries, Inc.	21.5% Discount Off Franklin Gloves for all Misc. Public Safety Products	
Casco Industries, Inc.	20% to 25% Discount Off MSA Paraclete Tactical Accessories, Ballistic Helmets & LE Gas Mask Pricelist for Riot Equipment/Body Armor.	P
Casco Industries, Inc.	20% Discount Off Rescue Pricelist for all Protective Clothing & Rescue Gear including Helmets and Gear Bags	
Casco Industries, Inc.	20% Discount Off MSA Paraclete Tactical Pricelist for all Communication Devices & Systems	P
Casco Industries, Inc.	20% Discount Off MSA Paraclete Tactical Accessories, LE Gas Mask Pricelist for all Misc. Public Safety Products	P
Casco Industries, Inc.	20% Discount Off Lifeline Pricelist for all Protective Clothing & Rescue Gear including Helmets and Gear Bags	
Casco Industries, Inc.	20% Discount Off Globe Pricelist for all Protective Clothing & Rescue Gear including Helmets and Gear Bags.	P
Casco Industries, Inc.	2% Discount Off Blauer Homeland Defender Pricelist for Tactical Equipment	
Casco Industries, Inc.	15% Discount Off Workrite Pricelist for all Nomex Station Uniforms.	P
Casco Industries, Inc.	12% Discount Off Zico Pricelist for all Other Fire House Equipment & Supplies.	P
Casco Industries, Inc.	11% Discount Off Ready Rack Pricelist for all Other Fire House Equipment & Supplies.	P

Extended Product Information

Reference Number: 363-10
Brand: Various
Part Number: Catalog
Unit Measure: EA
Full Description: 11% Discount Off Ready Rack Pricelist for all Other Fire House Equipment & Supplies

Casco Industries, Inc.	10% Discount Off MSA Parts Pricelist for Breathing Apparatus.	P
Casco Industries, Inc.	10% Discount Off Lancier Rescue Tools Pricelist for all Other Fire House Equipment & Supplies	
Casco Industries, Inc.	10% Discount Off Bauer Compressors Pricelist for all Other Fire House Equipment & Supplies.	P

Showing 26 to 42 of 42 entries

First Previous 1 2 Next Last

Contact us 800-695-2919

Groves Incorporated

PRICE LIST

EFFECTIVE June 1, 2013

WALL MOUNTED GEAR STORAGE — RED RACK™

Dimensions: 20" deep x 72" tall x length specified.

The open air design of Red Rack™, along with our Dry Kwik accessories, provides for FREE AIR CIRCULATION and helps PPE dry much faster. As a result, mold and mildew will not prematurely destroy the fibers of your gear and it will LAST LONGER. Dry gear helps reduce steam burns. Red Rack™ components are coated with a durable red powder coat finish. All Red Rack™ storage systems include the following:

STANDARD COMPONENTS

- Adjustable boot and helmet shelves.
- Adjustable apparel hooks.
- Label holder.
- **Hanging pole to run the length of the unit.**

18" WIDE SECTIONS

Model#	Length	Price	Ship Weight
RRWM-1/18	19.75"	$ 340.00	85 lbs
RRWM-2/18	38.50"	539.00	142 lbs
RRWM-3/18	57.25"	738.00	196 lbs
RRWM-4/18	76.00"	944.00	251 lbs
RRWM-5/18	94.75"	1,163.00	306 lbs
RRWM-6/18	113.50"	1,369.00	362 lbs
RRWM-7/18	132.25"	1,568.00	417 lbs
RRWM-8/18	151.00"	1,774.00	473 lbs
RRWM-9/18	169.75"	1,993.00	528 lbs
RRWM-10/18	188.50"	2,199.00	584 lbs
RRWM-11/18	207.25"	2,398.00	612 lbs
RRWM-12/18	226.00"	2,604.00	695 lbs
RRWM-13/18	244.75"	2,823.00	751 lbs
RRWM-14/18	263.50"	3,029.00	806 lbs
RRWM-15/18	282.25"	3,228.00	862 lbs

Quantities of 16 or more in a single run are priced at $215.00 per section.

20" WIDE SECTIONS

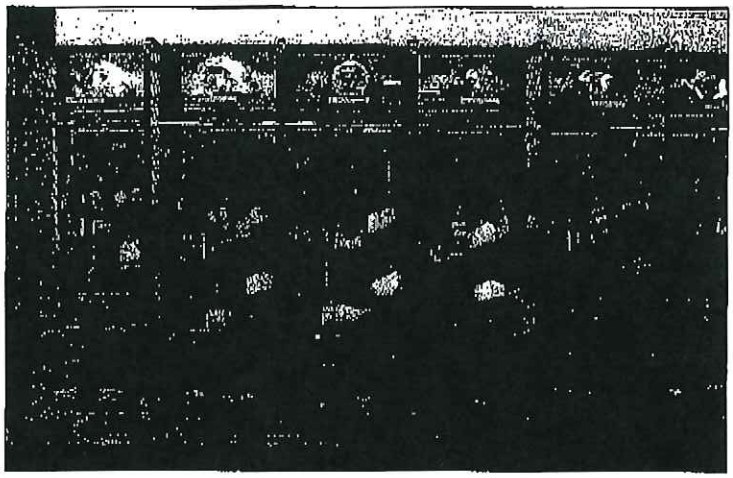
Model#	Length	Price	Ship Weight
RRWM-1/20	21.75"	$ 357.00	88 lbs
RRWM-2/20	42.50"	573.00	147 lbs
RRWM-3/20	63.25"	789.00	206 lbs
RRWM-4/20	84.00"	1,029.00	265 lbs
RRWM-5/20	104.75"	1,248.00	324 lbs
RRWM-6/20	125.50"	1,471.00	383 lbs
RRWM-7/20	146.25"	1,687.00	442 lbs
RRWM-8/20	167.00"	1,930.00	501 lbs
RRWM-9/20	187.75"	2,146.00	560 lbs
RRWM-10/20	208.50"	2,369.00	619 lbs
RRWM-11/20	229.25"	2,605.00	678 lbs
RRWM-12/20	250.00"	2,828.00	737 lbs
RRWM-13/20	270.75"	3,044.00	796 lbs
RRWM-14/20	291.50"	3,267.00	855 lbs
RRWM-15/20	312.25"	3,503.00	914 lbs

Quantities of 16 or more in a single run are priced at $235.00 per section.

24" WIDE SECTIONS

Model#	Length	Price	Ship Weight
RRWM-1/24	25.75"	$ 363.00	91 lbs
RRWM-2/24	50.50"	585.00	153 lbs
RRWM-3/24	75.25"	807.00	215 lbs
RRWM-4/24	100.00"	1,056.00	277 lbs
RRWM-5/24	124.75"	1,278.00	339 lbs
RRWM-6/24	149.50"	1,507.00	401 lbs
RRWM-7/24	174.25"	1,749.00	463 lbs
RRWM-8/24	199.00"	1,978.00	525 lbs
RRWM-9/24	223.75"	2,200.00	587 lbs
RRWM-10/24	248.50"	2,449.00	649 lbs
RRWM-11/24	273.25"	2,671.00	711 lbs
RRWM-12/24	298.00"	2,900.00	773 lbs
RRWM-13/24	322.75"	3,142.00	835 lbs
RRWM-14/24	347.50"	3,371.00	897 lbs
RRWM-15/24	372.25"	3,593.00	959 lbs

Quantities of 16 or more in a single run are priced at $241.00 per section.



ADDITIONAL ACCESSORIES SUCH AS DRY KWIK COAT HANGERS, GLOVE DRY HANGERS AND HELMET HOLDERS CAN BE PURCHASED SEPARATELY.

SECURITY OPTION FOR WALL MOUNTED UNITS—INCLUDES LOCKABLE DOOR AND TOP SECURITY SHELF.

SEC-18/WM	$111.00 per opening	Shipping Weight 31 lbs
SEC-20/WM	116.00 per opening	Shipping Weight 36 lbs
SEC-24/WM	129.00 per opening	Shipping Weight 41 lbs

FireHawk® M7 **Air Mask**

Ordering Selection Matrix (NFPA 1981 and 1982 - 2007 edition-compliant, NIOSH 42 CFR Part 84 CBRN-certified)
All Prices in U.S. Dollars • **Prices Effective January 1, 2013**

MSA
The Safety Company

A	B	C	D	E	F	G	H	I	J	K	L	M
Air Mask Pressure	**Carrier/ Harness Assembly**	**Lumbar Pad/ Rescue Belt**	**Cylinder**	**MMR Type**	**Emergency Breathing Support**	**Facepiece**	**Nosecup**	**Head Harness**	**Electronic Communications**	**Pressure Gauge/ Integrated PASS**	**Heads-Up Display**	**Case**
C 2216 3366	A Single Pull without chest strap 1065	0 None 0	0 None 0	A CBRN Firehawk STC, threaded 131	0 None 0	A None 0	0 None 0	0 None 0	A None 0	1 Pressure Gauge and HUD Transmitter 929	A M7 HUD 311	0 None 0
M 3000 3366	B Single Pull with chest strap 1055	1 Lifesling Lumbar Pad 136	1 30L Aluminum with air 663	B CBRN Firehawk STC, QC 403	1 Quick-Fill 403	B Hycar Small 353	1 Medium 52	2 SpeeD-ON less neck strap 61	B CleanCommand Ready with bracket 197	A PASS with thermal alarm activated 2068	B M7 HMD 868	1 Hard Case 140
H 4500 3366	C Double Pull without chest strap 1115	G Rescue Belt II, w/hook, 50' 1165	3 30' Carbon with air 1175	C CBRN Firehawk PTC, threaded 131	2 Extend Altel 358	C Hycar Medium 353	2 Large 52	4 SpeeD-ON with neck strap 78	C CleanCommand Amp 543	B PASS without thermal alarm activated 2068		2 Soft Case 140
	D Double Pull with chest strap 1145	H Rescue Belt II, w/carabiner, 50' 1025	4 30L Aluminum less air 698	D CBRN Firehawk PTC, QC 403	3 Quick-Fill and Extend Altel 728	D Hycar Large 353			D CleanCommand Amp-FI 796	C PASS telemetry and thermal alarm 2513		
	Options A & B can only be chosen if a rescue belt is selected.	J Rescue Belt II, w/hook, FireTech rope, 50' 1465	6 30' Carbon less air 1210	*If choosing an Extend Altel option, the MMR type must be a QC (option B or D).*	A Extend Altel II 628					D PASS telemetry and without thermal alarm 2513		
		K Rescue Belt II, w/carabiner, FireTech rope, 50' 1325	0 None 0		B Extend Altel II with Quick-Fill 1030					*If choosing a pressure Gauge and HUD Transmitter, the Heads-Up Display type must be M7 HUD (Option A).*		
	If choosing a rescue belt, the carrier/harness assembly must be a single pull (options A or B).		1 30+ Carbon with air 1400		C Extend Altel I & II 555							
			2 30+ Carbon less air 1443		D Extend Altel I & II with Quick-Fill 1325							
			0 None 0		*If choosing an Air Mask Pressure M, M is not compatible with Quick-Fill*							
			1 30' Carbon with air 1175									
			2 45' Carbon with air 1535									
			3 45' Carbon H-45 SL 1535									
			4 60' Carbon with air 1949									
			5 30' Carbon less air 1210									
			6 45' Carbon less air 1585									
			7 45' Carbon H-45 SL less air 1595									
			8 60' Carbon less air 2083									

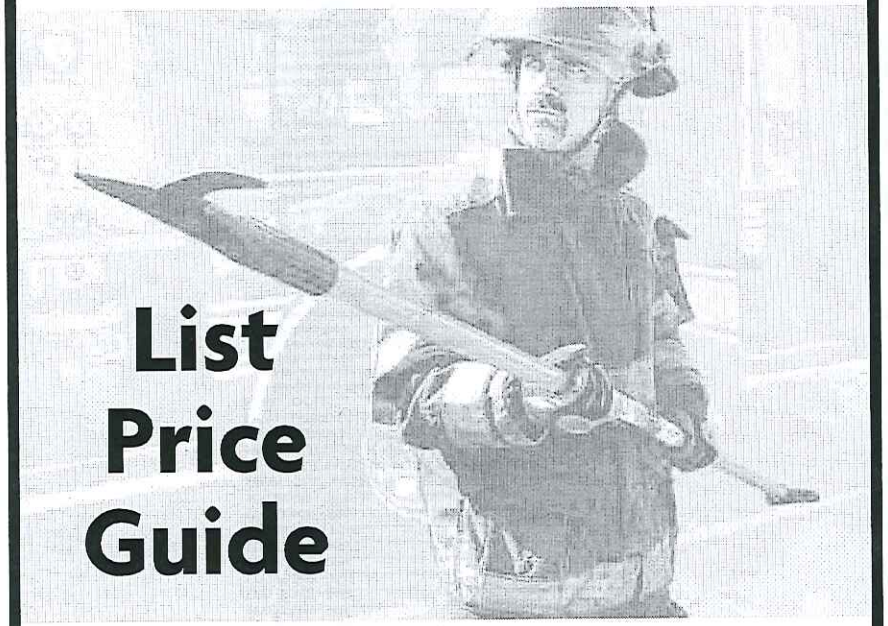
Column: A B C D E F G H I J K L M

B-M7 L D I 3 C O C I 4 A A B C — PART NUMBER — ( ) QUANTITY

A $3366 + B $1,145 + C $136 + D $1175 + E $131 + F $0 + G $353 + H $62 + I $78 + J $0 + K $2060 + L $468 + M $0 = $8,944.00 — TOTAL AIR MASK LIST PRICE

ID 0170-09-MC / October 2012
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AKRON
BRASS COMPANY



List Price Guide

Effective: March 4, 2013

All Prices in U.S. Dollars.

(Prices are for U.S. domestic resale and do not include International Tariffs, Taxes and Shipping.)

Supersedes All Previous Prices

AKRON® BRASS COMPANY
TERMS AND CONDITIONS

TERMS: All U.S. sales are Net 30 days. All International sales are ex-factory or D.D.U. (Delivered Duty Unpaid) foreign port of destination. Subject to late payment charge of one and one-half percent (1½%) per month.

MINIMUM CHARGE: Due to cost of handling, no order will be billed for less than fifty dollars ($50.00) - plus forwarding charges.

SPECIAL ORDERS: We produce many items to specification that are not carried in stock. After an order in this category has been accepted and placed in process of manufacture, no cancellations will be accepted.

RETURNED GOODS: Material returned without prior Returned Material Authorization may be refused. Please contact Akron Brass Customer Service Department for the proper procedure. All returns are subject to a 25% restocking charge. All products must meet current design specifications and must be received in like new condition to avoid rework charges.

PRODUCT REPAIRS: Products returned for repair do not require prior authorization. However, you can register the items you wish to return for repair at **www.akronbrass.com/onlinerepair.** This site will register the item to be sent back for repair, print the correct return address label, and allow you to track your repair status. Should you be unable to register on our website you can still send your items in need of repair without registering them first. Products for repair should be shipped to: Akron Brass Co., Attention Repair Department, 1615 Old Mansfield Road, Wooster, OH 44691. Extenda-Lite® products and other related materials should be sent to Akron Brass Co., 501 N. Cummings Lane, Washington, IL 61571-9652. If you have any questions on where you should send your repairs, call Customer Service at: 800.228.1161 or 330.264.5678.

PIKE POLE FREIGHT: All Pike Pole & Hand Tool Purchases are F.O.B. factory regardless of discount structure. Freight Free shipments of Pike Poles can be obtained with a minimum order for a single shipment to one location of $950.00 net cost. Does not apply to any International order.

DISCREPANCIES: Any shortage or error in shipment should be reported to us within 10 days of receipt of goods.

LOST GOODS IN TRANSIT: Any claims for loss of truck shipments shall be the responsibility of the buyer and should be promptly reported to carrier. Any claims for loss of small package shipments should be promptly reported to Akron Brass. These claims are subject to limitations of the carrier.

DAMAGED GOODS: Damaged product must be promptly reported to the carrier and Akron Brass. Failure to notify both parties shall place the burden of settlement and negotiation on the buyer. Damaged product returned to Akron Brass should be sent by the same carrier that delivered the goods.

TAXES: All prices and quotations exclude Local, State, and Federal sales and excise taxes.

ALL ORDERS or parts thereof and all directions for shipment are subject to acceptance by Akron Brass Company.

ALL PRICES ARE FIRM PROVIDED IMMEDIATE DELIVERY IS ACCEPTABLE.

ALL PRICES, TERMS, AND CONDITIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

WARRANTY AND DISCLAIMER: We warrant Akron Brass products for a period of five (5) years* after purchase against defects in materials or workmanship. Akron Brass will repair or replace product which fails to satisfy this warranty. Repair or replacement shall be at the discretion of Akron Brass. Products must be promptly returned to Akron Brass for warranty service. We will not be responsible for: wear and tear; any improper installation, use, maintenance or storage; negligence of the owner or user; repair or modification after delivery; damage; failure to follow our instructions or recommendations; or anything else beyond our control. WE MAKE NO WARRANTIES, EXPRESS OR IMPLIED, OTHER THAN THOSE INCLUDED IN THIS WARRANTY STATEMENT, AND WE DISCLAIM ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE. Further, we will not be responsible for any consequential, incidental or indirect damages (including, but not limited to, any loss of profits) from any cause whatsoever. No person has authority to change this warranty.

CERTIFICATE OF CONFORMANCE: Many commercial products are available with certificate of conformance to MIL specifications. If a certificate of conformance is required, it must be requested at the time order is placed and is subject to additional charges to cover the costs of the special handling required.

DOMESTIC DISTRIBUTORS/DEALERS ONLY:

PRODUCTS ARE INTENDED FOR DOMESTIC RESALE. AKRON BRASS RESERVES THE RIGHT TO RESTRICT DOMESTIC SALES OF PRODUCTS INTENDED FOR INTERNATIONAL DIVERSIONS. CONTACT AKRON BRASS FOR AUTHORIZATION BEFORE COMMITTING TO ANY INTERNATIONAL SHIPMENTS.

INTERNATIONAL DISTRIBUTORS/DEALERS ONLY:

PRODUCTS ARE LICENSED BY THE U.S.A. FOR EXPORT AND INTERNATIONAL RESALE EXCEPT FOR DIVERSIONS OR SALES INTO AREAS CONTRARY AND PROHIBITED BY U.S. LAW G.D.E.S.T.

Items noted with a "k" are subject to a non-standard distributor discount.

Items noted with a "◇" are subject to a $68.00 per inlet upcharge if fitted with British Instantaneous (BIM or BIF), Japanese Instantaneous (JIM or JIF), or Storz connections

* Various products have an extended 10 year warranty. All industrial electronic warranties are limited to 1 year.

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AKRON
BRASS COMPANY

Style	Description	USS List Price
354	***Female Swivel To Male Adapter (cont.)***	
	5" F x 6" M (127 x 153 mm)	1,839.00
	6" F x 2 1/2" M (153 x 65 mm)	1,192.00
	6" F x 4" M (153 x 102 mm)	1,595.00
	6" F x 4 1/2" M (153 x 114 mm)	1,766.00
	6" F x 5" M (153 x127 mm)	1,865.00
356	***Rigid Female to Male Adapter*** Cast / Chrome	
	2 1/2" F x 4" M (65 x 102 mm)	415.00
	3" F x 4" M (75 x 102 mm)	608.00 / 709.00
	3 1/2" F x 4" M (89 x 102 mm)	666.00
	4" F x 2 1/2" M (102 x 65 mm)	484.00 / 435.00
	4" F x 3" M (102 x 75 mm)	511.00 / 608.00
	4" F x 3 1/2" M (102 x 89 mm)	645.00
	4" F x 4" M (102 x 102 mm) Strainer optional	491.00 / 627.00
	4" F x 4 1/2" M (102 x 114 mm)	543.00 / 736.00
	4" F x 5" M (102 x 127 mm)	941.00
	4" F x 6" M (102 x 153 mm)	1,386.00
	4 1/2" F x 2 1/2" M (114 x 65 mm)	455.00 / 448.00
	4 1/2" F x 3" M (114 x 75 mm)	1,084.00
	4 1/2" F x 4" M (114 x 102 mm)	543.00 / 644.00
	4 1/2" F x 4 1/2" M (114 x 114 mm)	762.00
	4 1/2" F x 5" M (114 x 127 mm)	957.00
	4 1/2" F x 6" M (114 x 153 mm)	997.00 / 997.00
	5" F x 2 1/2" M (127 x 65 mm)	728.00
	5" F x 3" M (127 x 75 mm)	769.00
	5" F x 4" M (127 x 102 mm)	521.00
	5" F x 4 1/2" M (127 x 114 mm) Strainer optional	524.00
	5" F x 5" M (127 x 127 mm)	1,104.00
	5" F x 6" M (127 x 153 mm)	1,139.00 / 1,467.00
	6" F x 3" M (153 x 75 mm)	960.00
	6" F x 4" M (153 x 102 mm)	648.00
	6" F x 4 1/2" M (153 x 114 mm) Strainer optional	671.00
	6" F x 5" M (153 x 127 mm) Strainer optional	718.00
	6" F x 6" M (153 x 153 mm)	1,103.00 / 1,424.00
357	***Double Female Swivel Adapter - Long Handle or Rocker Lug*** Pyrolite® / Chrome	
	3 1/2" F x 3 1/2" F (89 x 89 mm)	1,064.00
	4" F x 2 1/2" F (102 x 65 mm)	711.00
	4" F x 3 1/2" F (102 x 89 mm)	1,030.00
	4" F x 4" F (102 x 102 mm)	1,078.00 / 876.00
	4 1/2" F x 2 1/2" F (114 x 65 mm)	861.00 / 755.00
	4 1/2" F x 3" F (114 x 75 mm)	1,114.00
	4 1/2" F x 4" F (114 x 102 mm)	941.00
	4 1/2" F x 4 1/2" F (114 x 114 mm)	1,445.00 / 947.00
	5" F x 2 1/2" F (127 x 65 mm)	1,133.00 / 755.00
	5" F x 4" F (127 x 102 mm)	1,531.00 / 967.00
	5" F x 4 1/2" F (127 x 114 mm)	1,452.00 / 1,021.00
	5" F x 5" F (127 x 127 mm)	1,090.00
	6" F x 2 1/2" F (153 x 65 mm)	1,201.00 / 841.00
	6" F x 4" F (153 x 102 mm)	1,098.00
	6" F x 4 1/2" F (153 x 114 mm)	1,436.00 / 1,104.00
	6" F x 5" F (153 x127 mm)	1,575.00 / 1,440.00
	6" F x 6" F (153 x 153 mm)	2,206.00
361	***Double Male Hex Nipple*** Cast / Chrome	
	3/4" NPT x 3/4" GHT or NPSH (19 x 19 mm)	85.00
	1" NPT x 3/4" GHT (2.5 x 19 mm)	92.00
	1" NPT x 1" NH or NPSH (2.5 x 25 mm)	85.00 / 92.00
	1 1/2" NPT x 1" NH (38 x 25 mm)	92.00
	1 1/2" NPT x 1 1/2" NH or NPSH (38 x 38 mm)	97.00 / 99.00
	2" NPT x 1 1/2" NH (51 x 38 mm)	133.00 / 180.00
	2" NPT x 2" NH (51 x 51 mm)	142.00 / 152.00

Style	Description	USS List Price
361	***Double Male Hex Nipple (cont.)*** Cast / Chrome	
	2 1/2" NH, NPT x 2" NH, NPT or NPSH (65 x 51 mm)	157.00 / 176.00
	2 1/2" NPT x 2 1/2" NH or NPSH (65 x 65 mm)	157.00 / 176.00
362	***Female to Male Hex Nipple*** Cast / Chrome	
	3/4" NPT F x 3/4" NH or NPSH M (19 x 19 mm)	85.00 / 95.00
	3/4" GHT F x 1" NH M (19 x 25 mm)	85.00
	1" F x 3/4" GHT M (25 x 19 mm)	85.00 / 120.00
	1" F x 1" M (25 x 25 mm)	85.00 / 95.00
	1 1/2" F x 3/4" GHT M (38 x 19 mm)	97.00
	1 1/2" F x 1 1/2" M (38 x 38 mm)	97.00 / 92.00
	2" F x 1 1/2" M (51 x 38 mm)	124.00 / 169.00
	2" F x 2 1/2" M (51 x 65 mm)	180.00 / 205.00
	2 1/2" F x 2 1/2" M (65 x 65 mm)	157.00 / 176.00
	3" F x 2 1/2" M (75 x 65 mm)	290.00
373	***E-Z Lok Nozzle Holder***	
	1 1/2" (38 mm)	155.00
	2 1/2" (65 mm	162.00
391	***Axial Playpipe with Plain Tip***	1,480.00
392	***Axial Playpipe with Threaded Tip***	1,571.00
393	***Axial Playpipe with Stacked Tips***	1,823.00
416	***Threaded Tip*** Pyrolite / Cast / Chrome	
	1 1/2" F x 1 1/2" M (38 x 38 mm)	257.00 / 224.00 / 257.00
417	***Plain Tip*** Cast / Chrome	
	1 1/2" F (38 mm)	133.00 / 166.00
420	***Triple Stacked Tips***	509.00
422	***Rigid Direct Connect Base*** Cast / Chrome	
	2 1/2" F x 1 1/2" M (65 x 38 mm)	284.00 / 327.00
426	***Playpipe with Ladder Hook***	730.00
438	***Plain Tip*** Cast / Chrome	
	1 1/2" F (38 mm)	119.00 / 136.00
439	***Dual Stacked Tips***	
	1 1/2" F with 5/16" and 1/2" Discharges (38 mm F with 24 and 13 mm Discharge)	244.00
	1 1/2" F with 1 1/4" and 1/2" Discharges (38 mm F with 29 and 13 mm Discharge)	244.00
441	***3 Wrench Holder***	120.00
442	***3 Wrench Holder*** with Wrenches (One (1) Style 15 and Two (2) Style 46)	295.00
443	***3 Wrench Holder*** with Wrenches (One (1) Style 15 and Two (2) Style 10)	283.00
446	***2 Wrench Holder***	107.00
447	***2 Wrench Holder*** with Wrenches (Two (2) Style 46)	193.00
448	***2 Wrench Holder*** with Wrenches (Two (2) Style 10)	181.00
449	***2 Wrench Holder*** with Wrenches (One (1) each Style 10 and 46)	187.00

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◇ : denotes a $68.00 per inlet upcharge if fitted with British Instantaneous (BIM or BIF), Japanese Instantaneous (JIM or JIF), or Storz connections

Style	Description	USS List Price
485	***Brass Mini Stream Shaper***	
	1 1/2" (38 mm)	305.00
	2 1/2" (65 mm)	348.00
487	***GP Deluge Tip***	169.00
488	***Discharge Pipe*** Aluminum / Cast / Chrome	
	2 1/2"F x 2 1/2" M (65x65 mm)	564.00 / 621.00 / 732.00
	3 1/2"F NPSH x 2 1/2"M (89x65 mm)	660.00 / 693.00 / 810.00
	3 1/2"F NPSH x 3"M NPSH (89x75 mm)	854.00 / 982.00 / 1,456.00
489	***Plain Deluge Tip*** Aluminum / Cast / Chrome	
	2 1/2" F (65 mm)	330.00 / 357.00 / 399.00
	3" F (75 mm)	386.00 / 394.00 / 456.00
497	***Ladder Pipe Mounting Fixture***	314.00
499	***Triple Stacked Deluge Tips***	661.00
535	***2 1/4" Cellar Nozzle***	793.00
536	***1 1/4" Cellar Nozzle***	613.00
538	***Cellar Nozzle Applicator***	1,995.00
583	***Hose Hoist***	453.00
588	***Hose Clamp with Mounting Bracket***	786.00
589	***Hose Clamp Mounting Bracket***	71.00
599	***Valve Manifold***	Price on Application
627	***4-Way Hydrant Valve***	3,686.00
630	***30° Angle Elbow*** Cast / Chrome	
	2 1/2" F x 2 1/2" M (65 x 65 mm)	449.00 / 393.00
	3" F x 2 1/2" M (75 x 65 mm)	458.00
	3" F x 3" M (75 x 75 mm)	489.00
	4" F x 4" M (102 x 102 mm) (45° Angle) Chrome ends with red paint	1,140.00
631	***60° Angle Elbow***	315.00
632	***90° Suction Elbow*** Cast / Chrome	
	2 1/2" F x 2 1/2" M (65 x 65 mm) Available with chrome ends with red paint	524.00 / 647.00
	4" F x 4" M (102 x 102 mm) Chrome ends with red paint	1,526.00
	5" F x 5" M (127 x 127 mm)	1,815.00 / 1,921.00
633	***30° Discharge Elbow***	
	2 1/2" NPT F x 2 1/2" NH M (65 x 65 mm)	285.00
635	***Continuous Swiveling Elbow - Cast***	
	1 1/2" F NPT x 1 1/2" M NH or NPSH (2 1/4" Long) (38 x 38 mm)	183.00
	1 1/2" F NPT x 1 1/2" M NH or NPSH (4 1/4" Long) (38 x 38 mm)	183.00
	2" F NPT x 1 1/2" M NH or NPSH (2 1/4" Long) (51 x 38 mm)	192.00
	2" F NPT x 1 1/2" M NH or NPSH (4 1/4" Long) (51 x 38 mm)	192.00
	2 1/2" F NPT x 2 1/2" M NH (5" Long) (65 x 65 mm)	476.00
637	***4-Way Hydrant Valve Bracket***	496.00

Style	Description	USS List Price
650	***Swiveling Elbow***	
	4" (102 mm)	1,267.00
	5" (127 mm)	1,391.00
	6" (153 mm)	1,520.00
655	***90° Front Suction Elbow - Cast***	
	4" NPT F x 4" NH M (102 x 102 mm)	1,267.00
	4" NPT F x 4 1/2" NH M (102 x 114 mm)	1,361.00
	5" NPT F x 5" NH M (127 x 127 mm) Chrome ends with red paint	1,572.00
	5" NPT F x 6" NH M (127 x 153 mm) Chrome ends with red paint	1,764.00
721	***Hose Rack Nozzle*** Cast / Chrome	
	1" (25 mm)	324.00 / 462.00
	1 1/2" (38 mm)	386.00 / 575.00
753	***High Pressure Trigger Shutoff***	797.00
755	***Quick-Attack™ Foam Tube***	261.00
765	***Quick-Attack Foam Tube***	372.00
766	***Quick-Attack Foam Tube***	372.00
768	***Quick-Attack Foam Tube***	372.00
770	***Quick-Attack Foam Tube***	658.00
772	***2 1/4" Hose Jacket***	1,053.00
	Rubber Liner Replacement (P/N 7-29-011)	★50.82
773	***3" Hose Jacket***	1,245.00
	Rubber Liner Replacement (P/N 7-29-016)	★80.88
775	***Quick-Attack Foam Tube***	372.00
776	***Quick-Attack Foam Tube***	391.00
777	***Quick-Attack Foam Tube***	372.00
785	***Quick-Attack Foam Tube***	391.00
866	***Mid-X Medium Expansion Foam Tube***	619.00
868	***Mid-X Medium Expansion Foam Tube***	619.00
877	***Mid-X Medium Expansion Foam Tube***	619.00
911	***Ozzie™ Oscillating Monitor***	◇ 4,176.00
922	***OzzieMaster™ Oscillating Monitor***	
	Liftoff Only	4,060.00
	Single Inlet Ground Base Only	2,153.00
	Dual Inlet Ground Base Only 2 1/2" (65 mm)	◇ 1,916.00
	Dual Inlet Ground Base Only 3" (75 mm)	◇ 2,014.00
	Direct Mount Flange Only	400.00
	Adapter for Style 3410 through 3413 Single Inlet Ground Base	385.00
1030	***1" Forestry Nozzle***	151.00
1034	***1 1/4" Coast Guard Fog Head***	152.00
1048	***2 1/4" Coast Guard Fog Head***	177.00
1078	***Quickfit Sprinkler Shutoff***	59.00

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AKRON BRASS COMPANY

Style	Description	US$ List Price
4	¼" Drain-It Drain Valve	193.00
7	¼" Drain Valve	136.00
10	Universal Spanner Wrench	37.00
13	Folding Pocket Spanner	47.00
14	Folding Pocket Spanner	47.00
15	Hydrant and Spanner Wrench	89.00
	Replacement Insert (P/N 104718)	✶21.26
17	Adjustable Hydrant Wrench	72.00
19	Universal Suction Spanner Wrench	137.00
25	Hole Type Spanner Wrench	
	Specify ¾"-1" or 2 ½"	37.00
31	Pressure Gauge	260.00
32	Pressure Gauge	260.00
35	Line Gauge	
	2 ½" (65 mm)	333.00
	3" (75 mm)	622.00
36	Pressure Gauge	204.00
39	Horizontal Tool Bracket ¼" - 1"	66.00
40	Horizontal Tool Bracket 1¼" - 2¼"	66.00
41	Vertical Tool Bracket ¼" - 1"	66.00
42	Vertical Tool Bracket 1¼" - 2¼"	66.00
44	Pressure - Vacuum Panel Adapter	96.00
46	Fitzall Combination Spanner	43.00
50	Trooper Bar	147.00
57	Quarter Turn Drain Valve	105.00
59	Intake Pressure Relief Valve	561.00
70	Leaf Thread Gauge	103.00
75	Expansion Units	
	1" (25 mm) with Drawbar	908.00
	1 ½" (38 mm) with Drawbar	896.00
	1 ½" x 1 ¾" (38 x 44 mm) with Drawbar	918.00
	2" (51 mm) with Drawbar	980.00
	2 ½" (65 mm) with Drawbar	1,014.00
	3" x 2 ½" (75 x 65 mm) with Drawbar	1,114.00
	2 ½" - 3" (65 x 75 mm) Drawbar Only (P/N 7-08-044)	✶258.50
	4" (102 mm) less Drawbar	1,158.00
	4 ½" (114 mm) less Drawbar	1,292.00
	5" (127 mm) less Drawbar	1,309.00
	6" (153 mm) less Drawbar	1,550.00
	3 ½" - 6" (89 - 153 mm) Drawbar Only (P/N 7-08-059)	✶320.93
78	Hose and Ladder Strap	89.00
90	Die	
	1 ½" (38 mm)	732.00
	2 ½" (65 mm)	896.00

Style	Description	US$ List Price
91	Tap	
	1 ½" (38 mm)	728.00
	2 ½" (65 mm)	892.00
101	3 ½" Top-Mount Remote Control	204.00
102	5" Top-Mount Remote Control	204.00

260 Plain Wye	Cast	Chrome
1 ½" F x (2) 1" M (38 x 25 mm)	372.00	405.00
1 ½" F x (2) 1 ½" M (38 x 38 mm)	399.00	425.00
2 ½" F X (2) 1 ½" M (65 x 38 mm)	405.00	447.00
2 ½" F X (2) 2 ½" M (65 x 65 mm)	513.00	604.00
3" F x (2) 2 ½" M (75 x 65 mm)	810.00	
3 ½" F x (2) 2 ½" M (89 x 65 mm)	869.00	
4" F x (2) 2 ½" M (102 x 65 mm)	875.00	967.00
4 ½" F x (2) 2 ½" M (114 x 65 mm)	976.00	1,075.00
5" F x (2) 2 ½" M (127 x 65 mm)	1,060.00	1,153.00
6" F X (2) 2 ½" M (153 x 65 mm)	1,234.00	1,331.00

261 Plain Siamese	Cast	Chrome
2 ½" M x (2) 2 ½" F (65 x 65 mm)	631.00	663.00
3" M x (2) 2 ½" F (75 x 65 mm)	796.00	867.00

262 Clapper Valve Siamese	Cast	Chrome
2 ½" M x (2) 2 ½" F (65 x 65 mm)	1,004.00	1,106.00
3" M x (2) 2 ½" F (75 x 65 mm)	1,116.00	1,219.00

266 Clapper Valve Siamese	Cast	Chrome
3" F x (2) 2 ½" F (75 x 65 mm)	1,171.00	1,175.00
4" F x (2) 2 ½" F (102 x 65 mm)	1,485.00	1,568.00
4 ½" F x (2) 2 ½" F (114 x 65 mm)	1,591.00	1,665.00
5" F x (2) 2 ½" F (127 x 65 mm)	1,651.00	1,821.00
6" F x (2) 2 ½" F (153 x 65 mm)	1,802.00	1,999.00

285 Gate Valve	Cast	Chrome
2 ½" (65 x 65 mm)	694.00	774.00

326 British Instantaneous Adapter	Cast	Pyrolite®
1 ½" M x 2 ½" BIM (38 x 38 mm)	125.00	158.00
2 ½" M x 2 ½" BIM (65 x 65 mm)	125.00	158.00

330 Short Internal Lug Adapter	Cast	Chrome
1 ½" NPT F x 1 ½" M (38 x 38 mm)	53.00	71.00
2 ½" NPT F x 2 ½" M (65 x 65 mm) Optional with strainer	80.00	91.00
3" NPT F x 2 ½" M (75 x 65 mm)	224.00	221.00
3" NPT F x 3" M (75 x 75 mm)		167.00

331 Long Internal Lug Adapter	Cast	Chrome
2 ½" NPT F x 2 ½" M (65 x 65 mm)	117.00	129.00

335 Double Female Adapter	Pyrolite®	Cast	Chrome
1 ½" (38 mm)	201.00	181.00	231.00
2" (51 mm)		204.00	
2 ½" (65 mm)	236.00	211.00	253.00
3" x 2 ½" (75 x 65 mm)		604.00	604.00
3" (75 mm)		371.00	425.00

336 Double Male Adapter	Pyrolite	Cast	Chrome
1 ½" (38 mm)	141.00	118.00	130.00
2" x 1 ½" (51 x 38 mm)		175.00	223.00
2 ½" x 1 ½" (65 x 38 mm)		147.00	217.00

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336 Double Male Adapter (cont.)	Pyrolite®	Cast	Chrome
2 ½" (65 mm)	141.00	169.00	169.00
3" (75 mm)		287.00	402.00
3" x 2 ½" (75 x 65 mm)		303.00	356.00
3 ½" (89 mm)		482.00	596.00
4" (102 mm)		591.00	

337 Rigid Female to Male Adapter	Pyrolite	Cast	Chrome
¾" GHT F x 1" M (19 x 25 mm)		99.00	119.00
1" F x ¾" GHT M (25 x 19 mm)		99.00	119.00
1" F x 1" M (25 x 25 mm)		99.00	119.00
1" F x 1 ½" M (25 x 38 mm)		105.00	127.00
1 ¼" F x 1" M (32 x 25 mm)		115.00	140.00
1 ½" F x 1" M (38 x 25 mm)		105.00	127.00
1 ½" F x 1 ½" M (38 x 38 mm)		115.00	156.00
1 ½" F x 2" M (38 x 51 mm)		141.00	173.00
1 ½" F x 2 ½" M (38 x 65 mm)		141.00	175.00
2" F x 1 ½" M (51 x 38 mm)		121.00	168.00
2" F x 2" M (51 x 51 mm)		149.00	190.00
2" F x 2 ½" M (51 x 65 mm)		203.00	234.00
2 ½" F x ¾" GHT M (65 x 19 mm)		124.00	171.00
2 ½" F x 1" M (65 x 25 mm)		124.00	175.00
2 ½" F x 1 ½" M (65 x 38 mm)		98.00	127.00	127.00
2 ½" F x 2" M (65 x 51 mm)		147.00	183.00
2 ½" F x 2 ½" M (65 x 65 mm)		130.00	168.00	217.00
2 ½" F x 3" M (65 x 75 mm)		280.00	348.00
2 ½" F x 3 ½" M (65 x 89 mm)		350.00	451.00
3" F x 1 ½" M (75 x 38 mm)		302.00	383.00
3" F x 2 ½" M (75 x 65 mm)		288.00	350.00
3" F x 3" M (75 x 75 mm)		300.00	359.00
3" F x 3 ½" M (75 x 89 mm)		404.00	523.00
3 ½" F x 2 ½" M (89 x 65 mm)		339.00	435.00
3 ½" F x 3" M (89 x 75 mm)		435.00	559.00

338 Suction Lug Adapter	Cast	Chrome
1 ½" NPT F x 1 ½" F (38 x 38 mm)	164.00	201.00
2 ½" NPT F x 2 ½" F (65 x 65 mm)	201.00	222.00
3" NPT F x 2 ½" F (75 x 65 mm)	309.00	288.00
3" NPT F x 3" F (75 x 75 mm)		355.00
3" NPT F x 3 ½" F (75 x 89 mm)		478.00
3 ½" NPT F x 3 ½" F (89 x 89 mm)		593.00
3 ½" NPT F x 4" M (89 x 102 mm)		853.00
4" NPT F x 3 ½" F (102 x 89 mm)		853.00
4" NPT F x 4" F (102 x 102 mm)	631.00	672.00

339 Basket Suction Strainer	
2 ½" NH (65 mm)	253.00
5" NH (127 mm)	461.00

340 Barrel Suction Strainer	
4" NH (102 mm)	496.00
4 ½" NH (114 mm)	517.00
5" NH (127 mm)	551.00
6" NH (153 mm)	572.00

344 Barrel Suction Strainer	
2 ½" NH (65 mm)	249.00
3" NH (75 mm)	311.00

345 Hose Cap with Rocker Lug	Cast	Chrome
¾" GHT (19 mm)	69.00	92.00
1" (25 mm)		99.00

345 Hose Cap with Rocker Lug (cont.)	Cast	Chrome
1 ½" (38 mm)	60.00	83.00
2" (51 mm) Available with long handle	99.00	119.00
2 ½" (65 mm)	99.00	121.00
3" (75 mm) Available with long handle	168.00	213.00
3 ½" (89 mm)		284.00
Add for Beaded Chain	14.00	14.00

347 Hose Plug with Rocker Lug	Cast	Chrome
1 ½" (38 mm)	92.00	119.00
2" (51 mm)	96.00	127.00
2 ½" (65 mm)	130.00	120.00
3" (75 mm)		204.00
3 ½" (89 mm)		349.00
4" (102 mm)		396.00
4 ½" (114 mm)		475.00
5" (127 mm)		493.00
6" (153 mm)		553.00
Add for Beaded Chain		
1 ½" - 4" Only (38 - 102 mm)	14.00	14.00

350 Mounting Plate	Pyrolite®	Chrome
¾" - 1 ½" (19 - 38 mm)		53.00
2 ½" (65 mm)		57.00
3" (75 mm)		127.00
3 ½" (89 mm)		159.00
4" (102 mm)		164.00
4 ½" (114 mm)		179.00
5" (127 mm)		190.00
6" (153 mm)	215.00	203.00

352 2 ½" Hose Jacket Mounting Peg	170.00

353 3" Hose Jacket Mounting Peg	196.00

354 Female Swivel To Male Adapter - Long Handle or Rocker Lug	
2 ½" F x 2 ½" M (65 x 65 mm)	548.00
2 ½" F x 3" M (65 x 75 mm)	576.00
2 ½" F x 3 ½" M (65 x 89 mm)	664.00
2 ½" F x 4" M (65 x 102 mm)	795.00
2 ½" F x 4 ½" M (65 x 114 mm)	806.00
2 ½" F x 5" M (65 x 127 mm)	962.00
2 ½" F x 6" M (65 x 153 mm)	1,112.00
3" F x 2 ½" M (75 x 65 mm)	726.00
3" F x 3" M (75 x 75 mm)	666.00
3" F x 3 ½" M (75 x 89 mm)	771.00
3" F x 4" M (75 x 102 mm)	792.00
3" F x 4 ½" M (75 x 114 mm)	943.00
3 ½" F x 2 ½" M (89 x 65 mm)	770.00
3 ½" F x 3" M (89 x 75 mm)	852.00
3 ½" F x 4 ½" M (89 x 114 mm)	1,087.00
4" F x 2 ½" M (102 x 65 mm)	964.00
4" F x 3" M (102 x 75 mm)	1,183.00
4" F x 4 ½" M (102 x 114 mm)	1,144.00
4" F x 5" M (102 x 127 mm)	1,347.00
4" F x 6" M (102 x 153 mm)	1,515.00
4 ½" F x 2 ½" M (114 x 65 mm)	974.00
4 ½" F x 4" M (114 x 102 mm)	1,205.00
4 ½" F x 4 ½" M (114 x 114 mm)	1,259.00
4 ½" F x 5" M (114 x 127 mm)	1,559.00
4 ½" F x 6" M (114 x 153 mm)	1,731.00
5" F x 4" M (127 x 102 mm)	1,365.00
5" F x 4 ½" M (127 x 114 mm)	1,559.00

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Style	Description	US$ List Price
1088	***Piercing Applicator***	
	1 1/2" F x 3 Feet (38mm x .91 m)	◇1,158.00
	1 1/2" F x 6 Feet (38mm x 1.83 m)	◇1,235.00
	3 Foot (.91 m) Extension (P/N PA-3D)	66.00
1116	***Shutoff and Plain Tip***	Cast / Chrome
	1 1/2" F x 1 1/2" M (38 x 38 mm)	553.00 / 630.00
1125	***Shutoff***	Cast / Chrome
	1 1/2" F x 1 1/2" M (38 x 38 mm)	434.00 / 494.00
1126	***Shutoff and Plain Tip***	Cast / Chrome
	1 1/2" F x 1 1/2" M (38 x 38 mm)	567.00 / 660.00
1127	***Shutoff and Threaded Tip***	Cast / Chrome
	1 1/2" F x 1 1/2" M (38 x 38 mm)	658.00 / 751.00
1131	***Playpipe, Shutoff and Plain Tip***	1,390.00
1132	***Playpipe, Shutoff and Threaded Tip***	1,481.00
1135	***Playpipe, Shutoff and Stacked Tips***	1,733.00
1230	***1" Self-Educting Gel Nozzle***	1,095.00
	1" Self-Educting Gel Nozzle with 5' Pickup Hose	1,258.00
1256	***3-Way Clappered Siamese***	
	(3) 2 1/2" F x 2 1/2" M or F (65 x 65 mm)	1,933.00
	(3) 2 1/2" F x 3" M or F (65 x 75 mm)	2,069.00
	(3) 2 1/2" F x 3 1/2" M or F (65 x 89 mm)	2,207.00
	(3) 2 1/2" F x 4" M or F (65 x 102 mm)	2,343.00
	(3) 2 1/2" F x 4 1/2" M or F (65 x 114 mm)	2,650.00
	(3) 2 1/2" F x 5" M or F (65 x 127 mm)	2,798.00
	(3) 2 1/2" F x 6" M or F (65 x 153 mm)	2,945.00
1260	***Plain Wye***	
	2 1/2" F x (2) 2 1/2" M (65 x 65 mm)	538.00
	3" F x (2) 2 1/2" M (75 x 65 mm)	791.00
	3 1/2" F x (2) 2 1/2" M (89 x 65 mm)	859.00
	4" F x (2) 2 1/2" M (102 x 65 mm)	875.00
	4 1/2" F x (2) 2 1/2" M (114 x 65 mm)	970.00
	5" F x (2) 2 1/2" M (127 x 65 mm)	1,039.00
	6" F x (2) 2 1/2" M (153 x 65 mm)	1,211.00
1262	***Clapper Valve Siamese***	
	2 1/2" M x (2) 2 1/2" F (65 x 65 mm)	1,194.00
	3" M x (2) 2 1/2" F (75 x 65 mm)	1,309.00
	3" M x (2) 3" F (75 x 75 mm)	1,372.00
1267	***Clapper Valve Siamese***	
	2 1/2" F x (2) 2 1/2" F (65 x 65 mm)	1,559.00
	3" F x (2) 2 1/2" F (75 x 65 mm)	1,579.00
	4" M or F x (2) 2 1/2" F (102 x 65 mm)	1,635.00
	4" Storz x (2) 2 1/2" F (102 x 65 mm)	1,635.00
	4 1/2" M or F x (2) 2 1/2" F (114 x 65 mm)	1,764.00
	5" M or F x (2) 2 1/2" F (127 x 65 mm)	1,864.00
	5" Storz x (2) 2 1/2" F (127 x 65 mm)	1,864.00
	6" M or F x (2) 2 1/2" F (153 x 65 mm)	2,041.00
1300	***1 1/4" Industrial Fog Nozzle***	◇ 326.00
1390	***Axial Playpipe***	1,314.00
1410	***Plain Tip***	128.00
1417	***Plain Tip***	116.00
1420	***Triple Stacked Tips***	447.00
1422	***Rigid Direct Connect Base***	315.00
1430	***Threaded Saber™ Tip***	133.00
1440	***Shutoff and Dual Stacked Tips***	◇724.00
1441	***Shutoff with Pistol Grip and Dual Stacked.***	
	5/8" and 1/2" Tips (24 and 13 mm)	◇781.00
1442	***Shutoff and Dual Stacked 1 1/4" and 1/4" Tips***	◇841.00
1443	***Shutoff with Pistol Grip and Dual Stacked.***	
	1 1/4" and 1/2"-Tips (29 and 13 mm)	◇899.00
1445	***Shutoff with Pistol Grip and Straight Tip***	◇680.00
1446	***Shutoff with Pistol Grip and Plain Tip***	◇798.00
1477	***Push/Pull Remote Control***	
	with Style 1490 Recessed T-Handle	130.00
	Ball Joint Assembly for Style 1477 & 1478 (P/N 1477-0001)	22.00
1478	***Push/Pull Remote Control***	
	with Style 1489 Plain T-Handle	143.00
	Ball Joint Assembly for Style 1477 & 1478 (P/N 1477-0001)	22.00
1480	***1 1/4" Wye***	Cast / Chrome
	1 1/4" F x (2) 1 1/2" M (38 x 38 mm)	1,099.00 / 1,170.00
1482	***Hydrant Wye***	Cast / Chrome
	2 1/2" F x (2) 2 1/2" M (65 x 65 mm)	1,860.00 / 2,109.00
	3" F x (2) 2 1/2" M (75 x 65 mm)	1,997.00 / 2,257.00
	3 1/2" F x (2) 2 1/2" M (89 x 65 mm)	1,997.00 /
	4" F x (2) 2 1/2" M (102 x 65 mm)	2,061.00 / 2,472.00
	4 1/2" F x (2) 2 1/2" M (114 x 65 mm)	2,240.00 / 2,532.00
	5" F x (2) 2 1/2" M (127 x 65 mm)	2,418.00 / 2,743.00
	6" F x (2) 2 1/2" M (153 x 65 mm)	2,550.00 / 2,887.00
1483	***Suction Siamese***	Cast / Chrome
	(2) 2 1/2" F x 2 1/2" M or F (65 x 65 mm)	1,798.00 / 2,111.00
	(2) 2 1/2" F x 3" F or M (65 x 75 mm)	1,930.00 / 2,397.00
	(2) 2 1/2" F x 4" M or F (65 x 102 mm)	2,109.00 / 2,486.00
	(2) 2 1/2" F x 4 1/2" M or F (65 x 114 mm)	2,159.00 / 2,546.00
	(2) 2 1/2" F x 5" M or F (65 x 127 mm)	2,335.00 / 2,748.00
	(2) 2 1/2" F x 6" M or F (65 x 153 mm)	2,462.00 / 2,899.00
1489	***Plain T-Handle***	56.00
1490	***T-Handle with Recess***	41.00
1494	***Electric Ladder Pipe***	
	12V Monitor and Logic Box	11,529.00
	24V Monitor and Logic Box	11,777.00
	Ladder Pipe Options:	
	Wireless Remote Control	2,068.00
	Control Box with 7' (2.1 m) Cable	601.00
	Control Box less Cable	535.00
	100' Cable Reel with Cord Grip and Guides	5,325.00
	12V Auxiliary Battery with 4' (1.2 m) Cable	549.00
	24V Auxiliary Battery with 4' (1.2 m) Cable	655.00
	Style 1577 Sabermaster 1250 Nozzle	3,855.00
	Style 5177 Akromatic 1250 Nozzle	2,271.00

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Style	Description	US$ List Price
1495	***Ladder Pipe***	
	with Pipe, 3 Deluge Tips, and 2 Mounting Brackets	5,344.00
	less Pipe and Deluge Tips	4,820.00
	Mounting Fixture	328.00
1496	***Classic Ladder Pipe (750 gpm max)***	
	less Pipe and Deluge Tips	143.00
1499	***Plain Tip***	
1512	***1" Saberjet™ Nozzle with Pistol Grip***	
	1/8", 1/4" or 5/16" Tip Option (9.5, 13 or 16.4 mm)	◇1,215.00
	Tip Replacement Kit	88.00
1513	***1" Saberjet Nozzle***	
	1/8", 1/4" or 5/16" Tip Option (9.5, 13 or 16.4 mm)	◇1,165.00
	Tip Replacement Kit	88.00
1515	***1 1/4" Saberjet Nozzle***	
	1/8", 1/4" or 5/16" Tip Option (9.5, 13 or 16.4 mm)	◇1,174.00
	Tip Replacement Kit	88.00
	ZT Conversion Kit	◇266.00
1515ZT	***1 1/4" Saberjet Zero Torque™ Nozzle***	
	1/8", 1/4" or 5/16" Tip Option (9.5, 13 or 16.4 mm)	◇1,330.00
	Tip Replacement Kit	88.00
1520	***1 1/4" Saberjet Nozzle with Pistol Grip***	
	1/8", 1/4" or 5/16" Tip Option (9.5, 13 or 16.4 mm)	◇1,230.00
	Tip Replacement Kit	88.00
1522	***Mid-Range Saberjet Nozzle***	
	1/4", 1/2", 5/8" or 1" Tip Option (19, 22, 24 or 25 mm)	◇1,183.00
	Tip Replacement Kit	88.00
	ZT Conversion Kit	◇266.00
1522ZT	***Mid-Range Saberjet™ Zero Torque Nozzle***	
	1/4", 1/2", 5/8" or 1" Tip Option (19, 22, 24 or 25 mm)	◇1,339.00
	Tip Replacement Kit	88.00
1523	***Mid-Range Saberjet Nozzle with Pistol Grip***	
	1/4", 1/2", 5/8" or 1" Tip Option (19, 22, 24 or 25 mm)	◇1,237.00
	Tip Replacement Kit	88.00
1525	***2 1/4" Saberjet Nozzle***	
	1/4", 1/2", 5/8 " or 1" Tip Option (19, 22, 24 or 25 mm)	◇1,304.00
	Tip Replacement Kit	88.00
	ZT Conversion Kit	◇266.00
1525ZT	***2 1/4" Saberjet Zero Torque Nozzle***	
	1/2", 1/4", 5/8" or 1" Tip Option (19, 22, 24 or 25mm)	◇1,461.00
	Tip Replacement Kit	88.00
1526	***2 1/4" Saberjet Nozzle with Pistol Grip***	
	1/2", 3/4", 5/8" or 1" Tip Option (19, 22, 24 or 25mm)	◇1,343.00
	Tip Replacement Kit	88.00
1527	***2 1/2" Saberjet Nozzle***	
	1 1/4" Tip Option (29 mm)	◇1,308.00
	Tip Replacement Kit	88.00
	ZT Conversion Kit	◇266.00
1527ZT	***2 1/2" Saberjet Zero Torque™ Nozzle***	
	1 1/4" Tip Option (29 mm)	◇1,464.00
	Tip Replacement Kit	88.00
1528	***2 1/4" Saberjet Nozzle with Pistol Grip***	
	1 1/4" Tip Option (29 mm)	◇1,359.00
	Tip Replacement Kit	88.00
1532	***Mid-Range Single Shutoff Saberjet Nozzle.***	
	1/2", 3/4", 5/8" or 1" Tip Option (19, 22, 24 or 25mm)	◇1,166.00
	Tip Replacement Kit	88.00
	ZT Conversion Kit	◇266.00
1532ZT	***Mid-Range Single Shutoff Saberjet Zero Torque Nozzle***	
	1/2", 3/4", 5/8" or 1" Tip Option (19, 22, 24 or 25mm)	◇1,320.00
	Tip Replacement Kit	88.00
1533	***Mid-Range Single Shutoff Saberjet Nozzle with Pistol Grip***	
	1/2", 3/4", 5/8" or 1" Tip Option (19, 22, 24 or 25mm)	◇1,216.00
	Tip Replacement Kit	88.00
1535	***2 1/2" Single Shutoff Saberjet Nozzle***	
	1/2", 3/4", 5/8" or 1" Tip Option (19, 22, 24 or 25mm)	◇1,274.00
	Tip Replacement Kit	88.00
	ZT Conversion Kit	◇266.00
1535ZT	***2 1/2" Single Shutoff Saberjet Zero Torque Nozzle***	
	1/2", 3/4", 5/8" or 1" Tip Option (19, 22, 24 or 25mm)	◇1,426.00
	Tip Replacement Kit	88.00
1536	***2 1/2" Single Shutoff Saberjet Nozzle with Pistol Grip***	
	1/2", 3/4", 5/8" or 1" Tip Option (19, 22, 24 or 25mm)	◇1,333.00
	Tip Replacement Kit	88.00
1545	***SaberMaster™ 500 Nozzle***	1,050.00
1573	***Water Thief***	◇1,875.00
1577	***SaberMaster 1250 Electric Nozzle***	3,855.00
	Some older monitors will require a PC board upgrade at an additional cost. Contact Customer Service for details.	
1581	***Leader Line Wye***	◇873.00
	Retrofit Kit - To upgrade 1 1/2" (38 m) Gated Wye Handles with older style Tork-Lok® mechanism to stainless steel (P/N 1581-0061)	★250.09
1582	***Hydrant Wye***	
	2 1/2" F x (2) 2 1/2" M (65 x 65 mm)	1,859.00
	3" F x (2) 2 1/2" M (75 x 65 mm)	1,992.00
	3 1/2" F x (2) 2 1/2" M (89 x 65 mm)	2,125.00
	4" F x (2) 2 1/2" M (102 x 65 mm)	2,177.00
	4" Storz x (2) 2 1/2" M (102 x 65 mm)	2,177.00
	4 1/2" F x (2) 2 1/2" M (114 x 65 mm)	2,238.00
	5" F x (2) 2 1/2" M (127 x 65 mm)	2,412.00
	5" Storz x (2) 2 1/2" M (127 x 65 mm)	2,412.00
	6" F x (2) 2 1/2" M (153 x 65 mm)	2,518.00
	Retrofit Kit - To upgrade 2 1/2" (65 mm) Gated Wye Handles with older style Tork-Lok mechanism to stainless steel (P/N 1582-0053)	★285.47
1583	***Suction Siamese***	
	(2) 2 1/2" F x 2 1/2" M or F (65 x 65 mm)	1,875.00
	(2) 2 1/2" F x 3" M or F (65 x 75 mm)	2,040.00
	(2) 2 1/2" F x 4" M or F (65 x102 mm)	2,226.00
	(2) 2 1/2" F x 4" Storz (65 x 102 mm)	2,226.00
	(2) 2 1/2" F x 4 1/2" M or F (65 x 114 mm)	2,292.00
	(2) 2 1/2" F x 5" M or F (65 x 127 mm)	2,471.00

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Style	Description	US$ List Price
1583	*Suction Siamese (cont.)*	
	(2) 2 ½" F x 5" Storz (65 x 127 mm)	2,471.00
	(2) 2 ½" F x 6" M or F (65 x 153 mm)	2,579.00
	Retrofit Kit - To upgrade 2 ½" (65 mm) Gated Wye Handles with older style Tork-Lok mechanism to stainless steel (P/N 1582-0053)	★285.47
1616	*1 ½" Avenger™ Selectable Gallonage Nozzle with Pistol Grip*	◇790.00
1700	*Aussie™ Bush Nozzle*	◇726.00
1701	*1" Turbojet® Nozzle*	◇946.00
1702	*1" Turbojet Nozzle with Pistol Grip*	◇1,057.00
1703	*1" Turbojet® Tip with 1 ½" Inlet*	677.00
1704	*1" Turbojet Nozzle with Pistol Grip*	◇1,082.00
1711	*1" Turbojet Tip with 1 ½" Inlet*	687.00
1714	*1 ½" Turbojet Tip*	649.00
1715	*1 ½" Turbojet Nozzle*	◇1,020.00
	ZT Conversion Kit	◇266.00
1715E	*1 ½" Electrical Turbojet Nozzle*	◇1,020.00
1715ZT	*1 ½" Turbojet Zero Torque™ Nozzle*	◇1,169.00
1716	*1 ½" Turbojet Breakapart Nozzle*	◇1,136.00
1717	*1 ½" Turbojet Tip with Twist Shutoff*	726.00
1718	*1 ½" Turbojet Breakapart Nozzle with Pistol Grip*	◇1,227.00
1719	*Pistol Grip Adapter 1 ½" x 1 ½"*	◇268.00
1720	*1 ½" Turbojet Nozzle with Pistol Grip*	◇1,120.00
1720E	*1 ½" Electrical Turbojet Nozzle with Pistol Grip*	◇1,120.00
1722	*Mid-Range Turbojet Nozzle*	◇1,220.00
	ZT Conversion Kit	◇266.00
1722ZT	*Mid-Range Turbojet Zero Torque™ Nozzle*	◇1,378.00
1723	*Mid-Range Turbojet Nozzle with Pistol Grip*	◇1,273.00
1724	*Mid-Range Turbojet Tip with Twist Shutoff*	811.00
1725	*2 ½" High-Range Turbojet Nozzle*	◇1,335.00
	ZT Conversion Kit	◇266.00
1725ZT	*2 ½" High-Range Turbojet Zero Torque Nozzle*	◇1,483.00
1726	*2 ½" High-Range Turbojet Breakapart Nozzle*	◇1,423.00
1727	*1 ½" High-Range Turbojet Tip with Twist Shutoff with 1 ½" Inlet*	826.00
1728	*1 ½" High-Range Turbojet Breakapart Nozzle with 1 ½" Inlet*	◇1,306.00
1733	*2 ½" High-Range Turbojet® Nozzle with Pistol Grip*	◇1,385.00
1734	*Mid-Range Turbojet Breakapart Nozzle*	◇1,291.00
1735	*Mid-Range Turbojet Breakapart Nozzle with Pistol Grip*	◇1,348.00
1736	*2 ½" High-Range Turbojet Breakapart Nozzle with Pistol Grip*	◇1,481.00
1737	*Mid-Range Turbojet Tip*	823.00
1738	*1 ½" High-Range Turbojet Breakapart Nozzle 1 ½" Inlet with Pistol Grip*	◇1,363.00
1741	*Industrial Turbojet Nozzle with Pistol Grip*	◇1,172.00
1744	*1 ½" High-Range Turbojet Tip with 1 ½" Inlet*	834.00
1745	*TurboMaster™ Master Stream*	1,652.00
1747	*Excel 1000™ Master Stream*	1,254.00
1755	*TurboMaster™ Master Stream*	1,632.00
1757	*TurboMaster Master Stream*	1,652.00
1762	*Wide-Range Turbojet Nozzle*	◇1,105.00
	ZT Conversion Kit	◇266.00
1762ZT	*Wide-Range Turbojet Zero Torque Nozzle*	◇1,255.00
1763	*Wide-Range Turbojet Nozzle with Pistol Grip*	◇1,153.00
1764	*Wide-Range Turbojet Breakapart Nozzle*	◇1,253.00
1765	*Wide-Range Turbojet Breakapart Nozzle with Pistol Grip*	◇1,310.00
1766	*Wide-Range Turbojet Tip*	773.00
1767	*Wide-Range Turbojet Tip with Twist Shutoff*	773.00
1828	*2 ½" Hydrant Valve*	◇1,102.00
	Retrofit Kit - To upgrade 2 ½" (65 mm) Hydrant Valves with older style Tork-Lok® mechanism to stainless steel (P/N 1582-0053)	★285.47
2001	*Challenger™ Dual-Flow Foam Nozzle*	◇2,255.00
2015	*Coast Guard Applicator*	607.00
2032	*1 ½" CG-15 Nozzle*	731.00
2033	*1 ½" Fog Tip with Chain*	165.00
2046	*2 ½" CG-25 Nozzle*	859.00
2047	*2 ½" Fog Tip with Chain*	192.00
2055	*Fog Applicator*	
	4' Long (1.22 m)	563.00
	6' Long (1.83 m)	586.00
	10' Long (3.05 m)	664.00
2069	*4AN Navy Nozzle 1 ½"*	749.00

Prices are for U.S. domestic resale and do not include International Tariffs, Taxes and Shipping

◇ : denotes a $68.00 per inlet upcharge if fitted with British Instantaneous (BIM or BIF), Japanese Instantaneous (JIM or JIF), or Storz connections

Style	Description	US$ List Price
2073	*1 ½" Fog Tip with Chain*	174.00
2074	*4AN Navy Nozzle 2 ½"*	1,045.00
2077	*2 ½" Fog Tip with Chain*	224.00
2079	*4AN Military Nozzle 2 ½"*	781.00
2083	*1 ½" Fog Tip with Chain*	174.00
2101	*1" Shutoff*	◇461.00
2102	*1" Shutoff with Pistol Grip*	◇501.00
2108	*1" x 1 ½" Shutoff with Pistol Grip*	◇507.00
2115	*1 ½" Shutoff*	◇410.00
2116	*1 ½" Shutoff with Pistol Grip*	◇501.00
		Cast / Chrome
2120	*In-Line Eductor*	1,258.00 / 1,620.00
2125	*2 ½" X 1 ½" Shutoff*	◇597.00
	ZT Conversion Kit	◇266.00
2125ZT	*2 ½" X 1 ½" Zero Torque™ Shutoff*	◇750.00
2126	*2 ½" x 1 ½" Shutoff with Pistol Grip*	◇655.00
2127	*1 ½" x 1 ½" Shutoff with Pistol Grip*	◇537.00
2129	*1 ½" x 1 ½" Shutoff*	◇480.00
	ZT Conversion Kit	◇266.00
2129ZT	*1 ½" x 1 ½" Zero Torque Shutoff*	◇632.00
2130	*2 ½" x 2 ½" Shutoff*	◇866.00
2151	*Black Widow™ Manual Master Stream Nozzle- Brass 300 - 1250 GPM*	1,283.00
2152	*Black Widow Manual Master Stream Nozzle 300 - 1250 GPM*	1,175.00
2155	*Black Widow Hydraulic Master Stream Nozzle 300 - 1250 GPM*	1,530.00
2156	*Black Widow Hydraulic Master Stream Nozzle - Brass 300 - 1250 GPM*	1,693.00
2157	*Excel™ Hydraulic Master Stream Nozzle 300 - 500 - 800 - 1000 GPM*	2,070.00
2158	*Black Widow Hydraulic Master Stream Nozzle 300 - 1500 GPM*	2,001.00
2171	*Single Gallonage Master Stream Nozzle*	1,948.00
2188	*Renegade™ Fixed Flow Nozzle*	12,114.00
2189	*Renegade™ Adjustable Flow Nozzle*	12,114.00
2225	*2 ½" Coast Guard Applicator*	
	6' long (1.8 m)	612.00
	10' long (3 m)	775.00
	12' long (3.7 m)	775.00
2285	*Gate Valve*	
	2 ½" (65 mm)	◇716.00
	3" (75 mm)	807.00
2286	*Gate Valve*	
	3", 3 ½" and 4" Threaded (75, 89 and 100 mm)	1,244.00
	4 ½" and 5" Threaded (110 and 125 mm)	1,345.00
	Additional Charge per Storz on each side	68.00
2302	*Advantage™ Eductor 250 GPM* with Foam Shutoff Valve	1,824.00 / 2,004.00
2305	*Advantage Eductor 500 GPM* with Foam Shutoff Valve	1,833.00 / 2,013.00
2307	*Advantage Eductor 700 GPM* with Foam Shutoff Valve	1,850.00 / 2,033.00
2310	*Advantage™ Eductor 1000 GPM* with Foam Shutoff Valve	1,833.00 / 2,013.00
2325	*95 GPM In-Line Eductor*	◇915.00
2328	*90 GPM In-Line Eductor with 1 ½" Inlet and Shutoff Valve*	◇1,009.00
2390	*Axial Playpipe*	◇1,005.00
2393	*Axial Playpipe with Stacked Tips*	◇1,452.00
2400	*1 ½" NH Thread Protector*	44.00
	1 ½" Thread Protector with Custom Threads	56.00
2415	*1 ½" Coast Guard Applicator*	365.00
2420	*Triple Stacked Tips*	460.00
2428	*1" Saber™ Shutoff*	◇545.00
2429	*1" Saber™ Shutoff with Pistol Grip*	◇604.00
2430	*1 ½" Saber™ Shutoff*	◇507.00
2431	*1 ½" Saber Shutoff with Pistol Grip*	◇564.00
2432	*2 ½" Saber Shutoff*	◇645.00
2433	*2 ½" Saber Shutoff with Pistol Grip*	◇700.00
2441	*3 Wrench Holder*	95.00
2442	*3 Wrench Holder with Wrenches (One (1) Style 15, Two (2) Style 46)*	262.00
2443	*3 Wrench Holder with Wrenches (One (1) Style 15, Two (2) Style 10)*	252.00
2446	*2 Wrench Holder*	91.00
2447	*2 Wrench Holder with Wrenches (Two (2) Style 46)*	172.00
2448	*2 Wrench Holder with Wrenches (Two (2) Style 10)*	162.00
2489	*Master Stream Tip*	458.00
2498	*Triple Stacked Tips*	600.00
2499	*Quad Stacked Deluge Tips*	675.00
2580	*1 ½" Wye*	◇507.00

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Style	Description	USS List Price
Roof Hooks (cont.)		
ARH-60	60" (1.52 m) with multipurpose hook and chisel	106.00
ARH-72	72" (1.83 m) with multipurpose hook and chisel	118.00
ARH-96	96" (2.44 mm) with multipurpose hook and chisel	126.00
Additional Charge for:		
	FC - Fulcrum Chisel	20.00
	BH - Boston Hook	16.00
	RK - Ram Knob	22.00

*Length based on overall length of tool including head and foot

Note: An additional charge of **$35.00 net** will be added to order for any standard color other than Black. Standard Colors: Red, Yellow, Silver, Green and White.

Gorilla Hooks		
AGH-36	36" (.9 m) with multipurpose hook and fulcrum chisel	136.00
AGH-48	48" (1.2 m) with multipurpose hook and fulcrum chisel	146.00
AGH-72	72" (1.83 m) with multipurpose hook and fulcrum chisel	167.00

*Length based on overall length of tool including head and foot

Axes and Sledge Hammers		
PHY-6	6# Pick Head Axe with 36" (.9 m) Fiberglass Handle	87.00
FHY-6	6# Flat Head Axe with 36" (.9 m) Fiberglass Handle	78.00
WP-6	6# Pick Head Axe with 36" (.9 m) Hickory Handle	68.00
WF-6	6# Flat Head Axe with 36" (.9 m) Hickory Handle	65.00
PHY-8	8# Pick Head Axe with 36" (.9 m) Fiberglass Handle	198.00
FHY-8	8# Flat Head Axe with 36" (.9 m) Fiberglass Handle	198.00
FSY-8	8# Sledge Hammer with 36" (.9 m) Fiberglass Handle	73.00
FSY-10	10# Sledge Hammer with 36" (.9 m) Fiberglass Handle	83.00
FSY-12	12# Sledge Hammer with 36" (.9 m) Fiberglass Handle	94.00
WS-12	12# Sledge with Wooden Handle	73.00

Axe Brackets and Accessories		
P-APC	Pick Head Axe Cover with Chain	20.00
AS-510	Axe Blade Bracket For Horizontal Mounting with 1¼" (9.5 mm) Poly Spacer	44.00
AS-520	Axe Handle Bracket	46.00
AS-530	Axe Blade Bracket For Vertical Mounting 6# Pick Axe	35.00
AS-540	Axe Blade Bracket For Vertical Mounting 6# Flat Axe	35.00
AS-550	Axe Blade Bracket For Vertical Mounting 8# Pick Axe	35.00
AS-560	Axe Blade Bracket For Vertical Mounting 8# Flat Axe	36.00
AS-570	Sledge Hammer Bracket For Vertical Mounting 8#, 10# and 12# Hammers	36.00
511-SP	¼" (6.4 mm) Poly Spacer for 8# Axes	11.00

Axes, Sledge Hammers and Mounting Bracket Sets		
PHY-6-HMT	6# Pick Head Axe with Horizontal Mounting Brackets and Pick Cover	177.00
PHY-6-VMT	6# Pick Head Axe with Vertical Mounting Brackets and Pick Cover	169.00
FHY-6-HMT	6# Flat Head Axe with Horizontal Mounting Brackets	152.00
FHY-6-VMT	6# Flat Head Axe with Vertical Mounting Brackets	143.00
WP-6-HMT	6# Pick Head Axe with Horizontal Mounting Bracke8	
WP-6-VMT	6# Pick Head Axe with Vertical Mounting Brackets and Pick Cover	146.00
WF-6-HMT	6# Flat Head Axe with Horizontal Mounting Brackets	143.00
WF-6-VMT	6# Flat Head Axe with Vertical Mounting Brackets	136.00
PHY-8-HMT	8# Pick Head Axe with Horizontal Mounting Brackets and Pick Cover	274.00
PHY-8-VMT	8# Pick Head Axe with Vertical Mounting Bracket and Pick Cover	263.00
FHY-8-HMT	8# Flat Head Axe with Horizontal Mounting Brackets	257.00
FHY-8-VMT	8# Flat Head Axe with Vertical Mounting Brackets	244.00
FSY-8-VMT	8# Sledge Hammer with Vertical Mounting Brackets	175.00
FSY-10-VMT	10# Sledge Hammer with Vertical Mounting Brackets	186.00

Style	Description	USS List Price
Wildland Fire Tools		
FSS-FR	Forestry Service Fire Rake	64.00
FSS-CT	Forestry Service Combination Tool	143.00
FSS-MT	Forestry Service McLeod Tool	115.00
FSS-RS	Forestry Service Round Shovel	109.00
FB-42	Fire Fighting Broom	38.00
FR-12	Fire Rake with 60" (1.5 m) Wooden Handle and Head	38.00
FR-60F	Fire Rake with 60" (1.5 m) Fiberglass Handle	72.00
UL-FR-60F	Fire Rake with 60" (1.5 m) Ultra-Lite Fiberglass Handle	48.00
FB-1S	Fire Beater with 60" (1.5 m) Wooden Handle	52.00
FB-60F	Fire Beater with 60" (1.5 m) Fiberglass Handle	77.00
UL-FB-60F	Fire Beater with 60" (1.5 m) Ultra-Lite Fiberglass Handle	62.00
UL-MT-48	McLeod tool with 48" (1.2 m) Ultra-Lite Fiberglass Handle	81.00
WR-MT-48	McLeod tool with 48" (1.2 m) Wood Handle	81.00
WPL-4	3.75# Pulaski Axe with 36" (.9 m) Hickory Handle	80.00

Miscellaneous Tools		
UL-SQ-60F	18" (.5 m) Floor Squeegee with 60" (1.5 m) Ultra-Lite Fiberglass Handle	112.00
UL-SQ-60F24	24" (.6 m) Floor Squeegee with 60" (1.5 m) Ultra-Lite Fiberglass Handle	118.00
UL-DG-SQ	18" (.5 m) Floor Squeegee with 60" (1.5 m) Double Ultra-Lite Fiberglass Handle	152.00
UL-DG-SQ24	24" (.6 m) Floor Squeegee with 60" (1.5 m) Double Ultra-Lite Fiberglass Handle	156.00
RS-48F	Round Shovel with 48" (1.2 m) Ultra-Lite Fiberglass Handle	67.00
SS-48F	Square Shovel with 48" (1.2 m) Ultra-Lite Fiberglass Handle	59.00
AS-27D	Scoop Shovel with 27" (.7 m) Ultra-Lite Fiberglass Rod and D-Handle	85.00
DB-48	48" (1.2 m) Demolition Bar	136.00

Super Spanners		
SS-525	Spanner Wrenches 4-5" (102-127 mm) Storz and 1-3" (2.5-75 mm) Rocker Lugs	26.00
SS-523	Spanner Wrenches 4-5" (102-127 mm) Storz with Handle	36.00
SS-MP	Mounting Plate with four (4) SS-525 Super Spanner Wrenches	128.00
SS-523-MP	Mounting Plate with 4 SS-523	140.00
SS-MPX	Mounting Plate Only	46.00

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Pike Poles

How to Order Pike Poles:

Select one option from each column to build your part #.

Pole		Length	Handle	Pike
UL	= Ultra-Lite	3' (.9 m)	__ = Butt End	__ = Standard Hook
UL-DG	= Ultra-Lite Double Gripper	4' (1.2 m)	D = D-Handle	DWH = Drywall Hook
IB	= I-Beam	6' (1.8 m)	RK = Ram Knob	RH = Rubbish Hook
PP	= Gripper	8' (2.4 m)	HD = Wide D-Hdl	MP = Multipurpose w/Ram Knob
DG	= Double Gripper	10' (3.0 m)		D-MP = Multipurpose w/D-Handle
WR	= Wood	12' (3.7 m)		SH = Shredder
UT	= Ultra-Tough	14' (4.3 m)		LARH = ¼" (19 mm) Rubbish Hook
		16' (4.9 m)		ST = SaberTooth

Example:
UL — 14 — _ _ — DWH
UL-14-DWH = 14' Ultra-Lite Pike Pole with Drywall Hook

PIKE POLE FREIGHT: All Pike Pole & Hand Tool Purchases are F.O.B. factory regardless of discount structure. Freight Free shipments of Pike Poles & Hand Tools can be obtained with a minimum order for a single shipment to one location of $950.00 net cost. Does not apply to International orders.

Pike Pole Additional Options

Additional Charge for:

DWH - Drywall Hook	39.00
P-RH - Rubbish Hook	34.00
LARH - ¼" (19 mm) Rubbish Hook	44.00
D - D-Ring Handle	24.00
HD - Wide D-Handle	24.00
RK - Ram Knob	22.00
MP - Multipurpose Hook with Ram Knob (Ram Knob included with MP at no charge when purchased as part of a complete pole; this option not available with WR poles)	37.00
D-MP - Multipurpose Hook with D Handle (not available with WR poles)	43.00
SH - Shredder (not available with WR poles)	44.00
ST - Saber Tooth (available with UL & UT poles only)	145.00
148-BT - 8" (203 mm) Band of Grip Tape	7.00
325-OE - Additional Grip	8.00

*Specialty hooks & ends add to the overall length of the pike pole

Ultra-Tough Pike Pole		
UT-3	3' (.9 m) Pike Pole with Standard Hook	46.00
UT-4	4' (1.2 m) Pike Pole with Standard Hook	52.00
UT-6	6' (1.8 m) Pike Pole with Standard Hook	74.00
UT-8	8' (2.4 m) Pike Pole with Standard Hook	81.00
UT-10	10' (3.0 m) Pike Pole with Standard Hook	91.00
UT-12	12' (3.7 m) Pike Pole with Standard Hook	103.00
UT-14	14' (4.3 m) Pike Pole with Standard Hook	119.00
UT-16	16' (4.9 m) Pike Pole with Standard Hook	126.00
	See pg. 32 for additional options	

Ultra-Lite Pike Pole		
UL-3	3' (.9 m) Pike Pole with Standard Hook	44.00
UL-4	4' (1.2 m) Pike Pole with Standard Hook	50.00
UL-6	6' (1.8 m) Pike Pole with Standard Hook	73.00
UL-8	8' (2.4 m) Pike Pole with Standard Hook	79.00
UL-10	10' (3.0 m) Pike Pole with Standard Hook	89.00
UL-12	12' (3.7 m) Pike Pole with Standard Hook	101.00
UL-14	14' (4.3 m) Pike Pole with Standard Hook	118.00
UL-16	16' (4.9 m) Pike Pole with Standard Hook	126.00
	See pg. 32 for additional options	

Style	Description	USS List Price
Double Gripper Ultra-Lite Pike Pole		
UL-DG-10	10' (3.0 m) Gripper Pike Pole with Standard Hook	108.00
UL-DG-12	12' (3.7 m) Gripper Pike Pole with Standard Hook	118.00
UL-DG-14	14' (4.3 m) Gripper Pike Pole with Standard Hook	127.00
UL-DG-16	16' (4.9 m) Gripper Pike Pole with Standard Hook	141.00
UL-DG-20	20' (6.1 m) Gripper Pike Pole with Standard Hook	175.00
	See pg. 32 for additional options	

I-Beam Pike Poles		
IB-3	3' (.9 m) with Standard Hook	71.00
IB-4	4' (1.2 m) with Standard Hook	79.00
IB-6	6' (1.8 m) with Standard Hook	91.00
IB-8	8' (2.4 m) with Standard Hook	101.00
IB-10	10' (3.0 m) with Standard Hook	115.00
IB-12	12' (3.7 m) with Standard Hook	130.00
IB-14	14' (4.3 m) with Standard Hook	136.00
IB-16	16' (4.9 m) with Standard Hook	150.00
	See pg. 32 for additional options	

Gripper Pike Poles		
PP-3	3' (.9 m) with Standard Hook and Grip	53.00
PP-4	4' (1.2 m) with Standard Hook and Grip	60.00
PP-6	6' (1.8 m) with Standard Hook and Grip	77.00
PP-8	8' (2.4 m) with Standard Hook and Grip	189.00
PP-10	10' (3.0 m) with Standard Hook and Grip	102.00
PP-12	12' (3.7 m) with Standard Hook and Grip	115.00
PP-14	14' (4.3 m) with Standard Hook and Grip	124.00
PP-16	16' (4.9 m) with Standard Hook and Grip	136.00
	See pg. 32 for additional options	

Double Gripper Oval Rod		
DG-10	10' (3.0 m) with Standard Hook	120.00
DG-12	12' (3.7 m) with Standard Hook	132.00
DG-14	14' (4.3 m) with Standard Hook	151.00
DG-16	16' (4.9 m) with Standard Hook	165.00
DG-18	18' (5.5 m) with Standard Hook	202.00
DG-20	20' (6.1 m) with Standard Hook	241.00
	See pg. 32 for additional options	

Wood Pike Poles		
WR-3	3' (.9 m) with Standard Hook	50.00
WR-4	4' (1.2 m) with Standard Hook	60.00
WR-6	6' (1.8 m) with Standard Hook	88.00
WR-8	8' (2.4 m) with Standard Hook	100.00
WR-10	10' (3.0 m) with Standard Hook	130.00
WR-12	12' (3.7 m) with Standard Hook	175.00
WR-14	14' (4.3 m) with Standard Hook	230.00
WR-16	16' (4.9 m) with Standard Hook	255.00
	See pg. 32 for additional options	

Adapt-a-Pole		
AP-SK	Adapt-a-Pole Salvage Kit	522.00
AP-VK	Adapt-a-Pole Roof Kit	323.00
Adapt-a-Pole Additional Options:		
	AP-3-USA - 3' (.9 m) USA Hook	88.00
	AP-3-RH - 3' (.9 m) Rubbish Hook	113.00
	AP-3-DWH - 3' (.9 m) Dry Wall Hook	108.00
	AP-3-BG - 3' (.9 m) Bumper Grip	56.00
	AP-3-DH - 3' (.9 m) D-Handle	67.00
	AP-3-EXT - 3' (.9 m) Extension	67.00
	AP-3-RK - 3' (.9 m) Ram Knob	67.00
	AP-D - 6" (153 mm) D-Handle	56.00
	AP-AS - Scoop Shovel	80.00
	AP-BH - Broom Head	123.00
	AP-4-EXT - 4' (1.2 m) Extension	65.00
	AP-4-BG - 4' (1.2 m) Handle Section	54.00
	AP-4-DH	73.00
	AP-SH - Shovel Head	66.00
	AP-SQ - Squeegee Head	195.00

*Specialty hooks & ends add to the overall length of the pike pole

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Style	Description	US$ List Price
Booster Hose Reels (Front Access Manual Override)		
MRWB-xx-xx	Manual Rewind Booster Reel (see below for disc size and spacing options)	1,393.00
Options for Manual or Electric Rewind Booster Reel:		
ERWB-30DEG	30 degree Manual Access Rewind Crank	37.00
ERWB-VERT	Vertical Access Manual Rewind Crank	95.00
ERWB-GR-xx-xx	Guide Rollers for Booster Reel specify reel size	285.00
ERWB-GR-xx-xx-BX	Box Guide Rollers for Booster Reel (specify reel size)	450.00
ERWB-GR-xx-xx-BX-LP	Box Guide Rollers that are Low Profile for Booster Reel (specify reel size)	450.00
ERWB-xx-xx	Electric Rewind Booster Reel (see below for disc size and spacing options)	1,857.00
Options for Electric Rewind Booster Reel Only:		
ERW-SCS	Speed Control	477.00
ERW-SL-ASSY	Control Box Only to House Switch	22.00
1/2 HP Motor Option	Specify 12V or 24V	139.00

Available Sizes:
(Indicate MRWB for manual reel or ERWB for electric reel when ordering)

Name	Disc Size x Space Between Discs	3/4" Hose Capacity	1" Hose capacity
xxxx-16-24	16" Disc x 24" Spacing	125' (38m)	75' (23m)
xxxx-16-28	16" Disc x 28" Spacing	150' (46m)	100' (31m)
xxxx-22-11	22" Disc x 11" Spacing	125' (38m)	75' (23m)
xxxx-22-15	22" Disc x 15" Spacing	175' (54m)	100' (31m)
xxxx-22-20	22" Disc x 20" Spacing	225' (69m)	150' (64m)
xxxx-22-24	22" Disc x 24" Spacing	300' (92m)	200' (61m)
xxxx-22-28	22" Disc x 28" Spacing	350' (107m)	225' (69m)
xxxx-24-11	24" Disc x 11" Spacing	150' (46m)	100' (31m)
xxxx-24-15	24" Disc x 15" Spacing	225' (69m)	125' (38m)
xxxx-24-20	24" Disc x 20" Spacing	300' (92m)	175' (54m)
xxxx-27-11	27" Disc x 11" Spacing	225' (69m)	150' (46m)
xxxx-27-15	27" Disc x 15" Spacing	300' (92m)	200' (61m)
xxxx-27-20	27" Disc x 20" Spacing	400' (122m)	250' (77m)
xxxx-29-11	29" Disc x 11" Spacing	250' (77m)	175' (54m)
xxxx-29-15	29" Disc x 15" Spacing	350' (107m)	225' (69m)
xxxx-29-20	29" Disc x 20" Spacing	450' (138m)	300' (92m)

Booster Hose for ERWB and MRWB with aluminum fittings:

W34-50-NST	Booster Hose, ¾" (19 mm) x 50' (15.24 m)	483.00
W34-100-NST	Booster Hose, ¾" (19 mm) x 100' (30.48 m)	856.00
W34-150-NST	Booster Hose, ¾" (19 mm) x 150' (45.72 m)	1,227.00
W34-200-NST	Booster Hose, ¾" (19 mm) x 200' (60.96 m)	1,586.00
W34-90M-NST	Booster Hose, ¾" (19 mm) x 90 m (295 ft) NST	2,634.00
W1-50-NST	Booster Hose, 1" (25 mm) x 50' (15.24 m)	550.00
W1-100-NST	Booster Hose, 1" (25 mm) x 100' (30.48 m)	987.00
W1-150-NST	Booster Hose, 1" (25 mm) x 150' (45.72 m)	1,426.00
W1-200-NST	Booster Hose, 1" (25 mm) x 200' (60.96 m)	1,788.00
FRST1-50-NPSH	1" (25 mm) x 50' (15.24 m) Forest Hose, pin lug fittings, NPSH thread	444.00
FRST1-50-NPSH-RL	1" (25 mm) x 50' (15.24 m) Forest Hose, rocker lug fittings, NPSH thread	393.00
FRST1-50-NST	1" (25 mm) x 50' (15.24 m) Forest Hose, pin lug fittings, NST thread	444.00
FRST1-50-NST-RL	1" x 50' (15.24 m) Forest Hose, rocker lug fittings, NST thread	393.00
FRST1-100-NPSH	1" (25 mm) x 100' (30.48 m) Forest Hose, pin lug fittings, NPSH thread	779.00

Style	Description	US$ List Price
Booster Hose for ERWB and MRWB with aluminum fittings **(cont.)**		
FRST1-100-NPSH-RL	1" (25 mm) x 100' (30.48 m) Forest Hose, rocker lug fittings, NPSH thread	729.00
FRST1-100-NST	1" x 100' (30.48 m) Forest Hose, pin lug fittings, NST thread	779.00
FRST1-100-NST-RL	1" (25 mm) x 100' (30.48 m) Forest Hose, rocker lug fittings, NST thread	729.00
FRST1-150-NPSH	1" (25 mm) x 150'(45.72 m) Forest Hose, pin lug fittings, NPSH thread	1,176.00
FRST1-150-NPSH-RL	1" (25 mm) x 150' (45.72 m) Forest Hose, rocker lug fittings, NPSH thread	1,115.00
FRST1-150-NST	1" (25 mm) x 150'(45.72 m) Forest Hose, pin lug fittings, NST thread	1,176.00
FRST1-150-NST-RL	1" (25 mm) x 150' (45.72 m) Forest Hose, rocker lug fittings, NST thread	1,115.00
FRST1-200-NPSH	1" (25 mm) x 200' (60.96 m) Forest Hose, pin lug fittings, NPSH thread	1,501.00
FRST1-200-NPSH-RL	1" (25 mm) x 200' (60.96 m) Forest Hose, rocker lug fittings, NPSH thread	1,450.00
FRST1-200-NST	1" (25 mm) x 200' (60.96 m)Forest Hose, pin lug fittings, NST thread	1,501.00
FRST1-200-NST-RL	1" (25 mm) x 200' (60.96 m) Forest Hose, rocker lug fittings, NST thread	1,450.00
See Pages 5, 6, 13 or 14 for recommended nozzle options		
Electric Rewind Hydraulic Reels		
Compact Electric Rewind Hydraulic Reels		
ERWH-10-16	Compact Electric Rewind Hydraulic Reel	2,101.00
	Compact reels include Rear Mount Motor, SCS Speed Control, and affixed Guide Rollers as standards that cannot be modified	
Electric Rewind Hydraulic Reels		
ERWH-15-10	Electric Rewind Cord Reel - Side Mount	1,342.00
ERWH-15-10-RM	Electric Rewind Cord Reel - Rear Mount	1,376.00
ERWH-16-6	Compact Electric Rewind Hydraulic Reel - Side Mount	1,342.00
ERWH-16-6-RM	Electric Rewind Hydraulic Reel - Rear Mount	1,376.00
Additional Charge for:		
ERW-GR	Guide Rollers Low - Mounting Horizontal on Shelf	123.00
ERW-GR-V45	Guide Roller High 45° - Mounting Vertical on Wall or Upside Down	123.00
ERW-GR-V90	Guide Roller High 90° - Mounting Vertical on Wall or Upside Down	123.00
ERW-GR-V0	0° Vertical Guide Roller	123.00
ERWC-GR-THRU	Thru Compartment Guide Rollers	124.00
HS-TWIN	Hose Stop for ¼" (6.4 mm) Twin Line Hose	34.00
ERW-BR1	Brake for Reels with Hose	21.00
ERW-SCS	Speed Control	477.00
ERW-RMC	Rear Motor Mount Conversion Kit	188.00
Hoses and Quick Disconnect Couplers for Hydraulic Reels		
H5-ORG-100	Hydraulic Hose, Polythermal Twinline 5000 PSI (344.8 bar) Orange 100' (30.5 m)	1,082.00
H5-ORG-50	Hydraulic Hose, Polythermal Twinline 5000 PSI (344.8 bar) Orange 50' (15.2 m)	587.00
H10-BLK-100	Hydraulic Hose, Polythermal Twinline 10,000 PSI (690 bar) Black 100' (30.5 m)	2,741.00
10-ORG-100	Hydraulic Hose, Polythermal Twinline 10,000 PSI (690 bar) Orange 100' (30.5 m)	2,741.00
H10-BLK-8 (2 Required)	Hydraulic Lead-In Hose, Rubber 10,000 PSI (690 bar) Black 8' (2.4 m)	73.00
H10-BLK-12 (2 Required)	Hydraulic Lead-In Hose, Rubber 10,000 PSI (690 bar) Black 12' (3.7 m)	86.00
H10P-BLK-16 (2 Required)	Hydraulic Hose, Polythermal Twinline 10,000 PSI (690 bar) Black 16' (4.9 m)	309.00

Prices are for U.S. domestic resale and do not include International Tariffs, Taxes and Shipping

◇ : denotes a $68.00 per inlet upcharge if fitted with British Instantaneous (BIM or BIF), Japanese Instantaneous (JIM or JIF), or Storz connections

Style	Description	US$ List Price
Hoses and Quick Disconnect Couplers for Hydraulic Reels (cont.)		
H10P-ORG-16 (2 Required)	Hydraulic Hose, Polythermal Twinline 10,000 PSI (690 bar) Orange 16' (4.9 m)	309.00
H10P-BLK-12 (2 Required)	Hydraulic Hose, Polythermal Twinline 10,000 PSI (690 bar) Black 12' (4.0 m)	220.00
H10P-ORG-12 (2 Required)	Hydraulic Hose, Polythermal Twinline 10,000 PSI (690 bar) Orange 12' (4.0 m)	220.00
H10P-BLK-8 (2 Required)	Hydraulic Hose, Polythermal Twinline 10,000 PSI (690 bar) Black 8' (2.4 m)	169.00
H10P-ORG-8 (2 Required)	Hydraulic Hose, Polythermal Twinline 10,000 PSI (690 bar) Orange 8' (2.4 m)	169.00
Quick Disconnects Available for Hurst, Amkus, Genisis, TNT & Phoenix Rescue Tools		
*Other colors available: Red, Blue, Yellow and Green; call customer service for detailed pricing		
Electric Rewind Air Reels		
Compact Electric Rewind AirReels		
ERWU-10-16	Low Profile Electric Rewind Utility Air Reel	2,101.00
ERWA-10-16	Low Profile Electric Rewind High pressure Breathing Air Reel	2,101.00
	Compact reels include Rear Mount Motor, SCS Speed Control, and affixed Guide Rollers as standards that cannot be modified	
ERWU-15-10	Electric Rewind Utility Air - Side Mount	931.00
ERWU-15-10-RM	Electric Rewind Utility Air - Rear Mount	1,052.00
ERWA-15-10	High Pressure Breathing Air - Side Mount	1,419.00
ERWA-15-10-RM	High Pressure Breathing Air - Rear Mount	1,541.00
Additional Charge for:		
ERW-GR	Guide Rollers Low - Mounting Horizontal on Shelf	123.00
ERW-GR-V45	Guide Roller High 45° - Mounting Vertical on Wall or Upside Down	123.00
ERW-GR-V90	Guide Roller High 90° - Mounting Vertical on Wall or Upside Down	123.00
ERWC-GR-THRU	Thru Compartment Guide Rollers	124.00
HS-BA	Hose Stop for Breathing Air Hose	25.00
HS-TOOL	Hose Stop for Utility Air Hose	25.00
ERW-BR1	Brake for Reels with Hose	21.00
ERW-SCS	Speed Control	477.00
ERW-RMC	Rear Motor Mount Conversion Kit	188.00
Hose for Utility Air Reels		
UA-100	100 ft, 3/8" i.d., 1/4" male NPT fittings	172.00
UA-150	150 ft, 3/8" i.d., 1/4" male NPT fittings	238.00
UA-200	200 ft, 3/8" i.d., 1/4" male NPT fittings	318.00
UA-150-1/2	150 ft, 1/2" i.d., 3/8" & 1/4" male NPT fittings	326.00
UA-200-1/2	200 ft, 1/2" i.d., 3/8" & 1/4" male NPT fittings	422.00
Electric Rewind Fluid Reel		
ERWF-15-10	Electric Rewind Fluid Reel - Side Mount	1,307.00
ERWF-15-10-RM	Electric Rewind Fluid Reel - Rear Mount	1,42600
Additional Charge for:		
ERW-GR	Guide Rollers Low - Mounting Horizontal on Shelf	123.00
ERW-GR-V45	Guide Roller High 45° - Mounting Vertical on Wall Or Upside Down	123.00
ERW-GR-V90	Guide Roller High 90° - Mounting Vertical on Wall or Upside Down	123.00
ERW-GR-V0	Guide Roller High 0° - Mounting Vertical on Wall or Upside Down	123.00
ERW-BR1	Brake for Reels with Hose	21.00
ERW-SCS	Speed Control	477.00
ERW-RMC	Rear Motor Mount Conversion Kit	188.00

Style	Description	US$ List Price
Manual Non-Live Cord Reels		
NCRP-10	10" (254 mm) Non-Live Cord Reel	178.00
NCRP-15	15" (381 mm) Non-Live Cord Reel	195.00
NCRP-18	18" (457 mm) Non-Live Cord Reel	215.00
See Page 36 for Seoprene Cord Options		
See Page 42 for Plug, Connector and Receptacle Options		
Manual Live Cord Reels		
ECRP-10	10" (254 mm) Live Cord Reel	253.00
ECRP-15	15" (381 mm) Live Cord Reel	270.00
ECRP-18	18" (457 mm) Live Cord Reel	290.00
See Page 36 for Seoprene Cord Options		
See Page 42 for Plug, Connector and Receptacle Options		
Manual Cord Reel Options		
LH	L-Hooks (for non-live reels only)	17.00
GB	Electrical Gang Box (specify receptacle)	66.00
ECR-MT	3-Piece Cord Reel Mount	49.00
Manual Cord Reel Lights		
ECRP-10-ELBE-500	10" (254 mm) Live Cord Reel with Beta 500 Light and Gang Box	717.00
ECRP-10-ELBE-750	10" (254 mm) Live Cord Reel with Beta 750 Light and Gang Box	752.00
ECRP-15-ELBE-500	15" (381 mm) Live Cord Reel with Beta 500 Light and Gang Box	734.00
Manual Cord Reel Lights (cont.)		
ECRP-15-ELBE-750	15" (381 mm) Live Cord Reel with Beta 450 Light and Gang Box	769.00
ECRP-18-ELBE-500	18" (457 mm) Live Cord Reel with Beta 500 Light and Gang Box	754.00
ECRP-18-ELBE-750	18" (457 mm) Live Cord Reel with Beta 750 Light and Gang Box	789.00
See Page 36 for Seoprene Cord Options		
See Page 42 for Plug, Connector and Receptacle Options		
Electric Rewind Cord Reels		
Compact Electric Rewind Cord Reels		
ERWC-10-16	Compact Electric Rewind Cord Reel	1,851.00
ERWC-10-28	Compact Electric Rewind Cord Reel	1,982.00
	Compact reels include Rear Mount Motor, SCS Speed Control, and affixed Guide Rollers as standards that cannot be modified	
Electric Rewind Cord Reels		
ERWC-15-10	Electric Rewind Cord Reel - Side Mount	1,308.00
ERWC-15-10-RM	Electric Rewind Cord Reel - Rear Mount	1,416.00
ERWC-16-6	Electric Rewind Cord Reel - Side Mount	1,267.00
ERWC-16-6-RM	Electric Rewind Cord Reel - Rear Mount	1,387.00
Additional Charge for:		
ERWC-GR	Guide Rollers	124.00
ERWC-GR-6	Guide Rollers for ERWC-16-6	124.00
ERWC-GR-6-V45	45° Guide Rollers for ERWC-16-6	124.00
ERWC-GR-6-V90	90° Guide Rollers for ERWC-16-6	124.00
ERWC-GR-6-V0	0° Guide Rollers for ERWC-16-6	124.00
ERWC-GR-V45	45° Guide Rollers	124.00
ERWC-GR-V90	90° Guide Rollers	124.00
ERWC-GR-V0	0° Vertical Guide Roller	124.00
ERWC-GR-THRU	Thru Compartment Guide Rollers	124.00

Prices are for U.S. domestic resale and do not include International Tariffs, Taxes and Shipping

◇ : denotes a $68.00 per inlet upcharge if fitted with British Instantaneous (BIM or BIF), Japanese Instantaneous (JIM or JIF), or Storz connections

Suggested List Pricing

Effective February 1, 2013

VentMaster Fire Rescue Cutoff Saws

*Full Option Package with Depth Gauge**		Dia.	HP	List Price
TV406-506	375K-DG (K750)	14"	5.0	$ 2,095
TV406-507	397K-DG (K970)	14"	6.1	$ 2,595
TV406-508	3120K-DG (K1250)	14"	7.8	$ 2,995
Full Option Package without Depth Gauge*		**Dia.**	**HP**	**List Price**
TV406-606	375K (K750)	14"	5.0	$ 1,900
TV406-607	397K (K970)	14"	6.1	$ 2,400
TV406-608	3120K (K1250)	14"	7.8	$ 2,800
Basic Saw without options or Depth Gauge*		**Dia.**	**HP**	**List Price**
TV406-706	375K (K750)	14"	5.0	$ 1,700
TV406-707	397K (K970)	14"	6.1	$ 2,200
TV406-708	3120K (K1250)	14"	7.8	$ 2,600
KIS-360 Depth Gauge Only				**List Price**
TV426-007	KIS-360 Depth Gauge			$ 286

VentMaster CUTOFF SAWS

VentMaster cutoff saws are powerful and versatile. Available in three option packages to match the way you use the saw. The "Full Option Package" includes all of the available upgrades including the patented KIS-360 depth gauge and a 14" Diamond Cutting Blade.

** Full Option Packages include: D-Ring Starter Handle and Stabilization Roller, and ANY 14" Diamond Blade.*

*** Cutting blade not included.*

VentMaster Fire Rescue Cutoff Saw Blades

Diamond Blades		List Price
TV406-101	14" All-Cut Rescue Diamond	$ 310
TV406-074	14" VentMaster Diamond Blade	$ 280
TV406-081	14" Concrete Diamond	$ 210
TV406-091	14" Ductile Iron Diamond	$ 310

Non-Diamond Blades		List Price
TV406-002	14" Multi-Cut Carbide Blade	$ 495
TV406-003	14" Abrasive Blade for Concrete	$ 26
TV406-009	14" Abrasive Blade for Steel	$ 26

All diamond and carbide cutoff saw blades also available in 12" and 16" diameter, please inquire for pricing.

VentMaster Saw Box Kits

Saw Box Kits for Ventilation Saws		List Price
TV455-009	Saw Box Only - Steel	$ 468
TV455-013	Kit - Steel *	$ 510

** Kit includes: Box, saw base with strap, gas & oil container.*

Saw Box Kits for Cutoff Saws		List Price
TV455-009	Saw Box Only-Steel	$ 468
TV406-011	Kit-Steel 375K *	$ 995
TV406-012	Kit-Steel 396K *	$ 995

** Kit Includes: Box, 14" multi-cut & masonry blades, saw sling, belt and gas can.*

Diamond-plated boxes available, please inquire for pricing.

VentMaster Saw Accessories and Oil

VentMaster Accessories		List Price
TV455-020	Saw Light w/Mounting Bracket	$ 125
TV455-002	Saw Carry Sling	$ 79
TV455-005	Saw Mounting Bracket	$ 229

Saw Engine and Guide Bar Oil		List Price
TV450-001	Engine Oil 2.6 oz. 50:1, Each	$ 4
TV450-007	Bar Oil, Quart, Each	$ 9

KIS-40 Chain Saw Depth Gauge		List Price
TV410-003	KIS-40-C (Complete)	$ 203
TV490-018	KIS-40-C Body Only	$ 161
TV410-002	Knob Assembly Only	$ 42
TV490-016	Clamp Wedge Only	$ 21

KIS-360 Cutoff Saw Depth Gauge		List Price
TV426-007	KIS-360 Complete	$ 286

Honda Generators

		List Price
701-100	EU1000*i*	Call
702-300	EU1000*i* w/ 500 Watt Light	Call
702-301	EU1000*i* w/ 750 Watt Light	Call

		List Price
701-105	EU2000*i*	Call
702-305	EU2000*i* w/ 500 Watt Light	Call
702-302	EU2000*i* w/ 750 Watt Light	Call

Price List effective February 1, 2013. Prices listed are in U.S. Dollars, for use in the U.S. and Canada only. All prices are subject to change without notice. Prices billed shall be those in effect at time of shipment. Minimum order amount is $50.00. Taxes, transportation and/or shipping charges, packaging and other charges not included.

Tempest Standard Terms and Conditions are expressly incorporated herein.

4708 N. Blythe Ave., Fresno, CA 93722
800-346-2143 559-277-7577
www.tempest-edge.com

NORTH AMERICAN
FIRE HOSE
CORPORATION

The difference is...your margin of safety

DURA-BUILT 800™

- Dura-Cord® advanced air-textured Nylon 6-6 continuous filament warp yarns, for superior "toughness," abrasion resistance, cut resistance, tear strength and heat resistance when compared to competitive nylon, spun polyester or filament polyester warp constructions.
- EPDM rubber liner is unaffected by Ozone deterioration, and is one component in the ***Friction Fighter System***™ creating an extremely smooth waterway surface, thereby reducing friction loss and significantly improving nozzle performance.
- Ultra-Shield™ high-performance polyurethane coating Ultra-shield™ is standard in the following colors at no additional charge:
  - Yellow Ultra-Shield (Y)
  - Red Ultra-Shield (R)
  - Orange Ultra-Shield (O)
  - Tan Ultra-Shield (T)
  - Blue Ultra-Shield (B)
  - Green Ultra-Shield (G)
  - Black Ultra-Shield (K)

NOMINAL DIAMETER	BOWL SIZE	STANDARD LENGTHS AVAILABLE*	PRICE PER FOOT UNCPLD NON-STANDARD LGTHS	PART NUMBER YELLOW ULTRA-SHIELD™ CPLD ALUM NST	LIST PRICE
1"	1-7/16"	50 FOOT 100 FOOT	$ 6.36 FOOT UNCPLD	DB1X50YEN DB1X100YEN	$ 190.00 $ 349.00
1½"	1-15/16"	50 FOOT 75 FOOT 100 FOOT	$ 6.08 FOOT UNCPLD	DB15X50YEN DB15X75YEN DB15X100YEN	$ 184.00 $ 260.00 $ 336.00
1¾"	2-1/8"	50 FOOT 75 FOOT 100 FOOT	$ 6.84 FOOT UNCPLD	DB175X50YEN DB175X75YEN DB175X100YEN	$ 210.00 $ 295.50 $ 381.00
2"	2-1/2"	50 FOOT 100 FOOT	$ 9.08 FOOT UNCPLD	DB2X50Y15EN DB2X100Y15EN	$ 332.00 $ 559.00
2½"	3"	50 FOOT 100 FOOT	$ 9.84 FOOT UNCPLD	DB25X50YEN DB25X100YEN	$ 298.00 $ 544.00
3"	3-17/32"	50 FOOT 100 FOOT	$ 12.08 FOOT UNCPLD	DB3X50YEN DB3X100YEN	$ 397.00 $ 699.00

*** Standard Lengths**

WILD FIRE-500™

- Synthetic filament polyester warp and filler yarns are unaffected by the effects of mildew and rot, requiring less maintenance after use.
- The Dura-Thane™ polyurethane inner liner is extremely strong and durable, while maintaining a lightweight and compact profile.
- Ultra-Shield™ high-performance polyurethane coating is standard with Yellow Ultra-Shield (Y) at no additional charge.

NOMINAL DIAMETER	BOWL SIZE	STANDARD LENGTHS AVAILABLE*	PRICE PER FOOT UNCPLD NON-STANDARD LGTHS	PART NUMBER YELLOW ULTRA-SHIELD™ CPLD ALUM NST	LIST PRICE
1"	1¼"	50 FOOT	$ 3.40 FOOT UNCPLD	WF1X50YFN	$ 116.00
		100 FOOT		WF1X100YFN	$ 201.00
1½"	1¾"	50 FOOT	$ 4.04 FOOT UNCPLD	WF15X50YFN	$ 132.00
		100 FOOT		WF15X100YFN	$ 233.00

NOMINAL DIAMETER	BOWL SIZE	STANDARD LENGTHS AVAILABLE*	PRICE PER FOOT UNCPLD NON-STANDARD LGTHS	PART NUMBER YELLOW ULTRA-SHIELD™ CPLD ALUM QUARTER TURN	LIST PRICE
1"	1¼"	50 FOOT	$ 3.40 FOOT UNCPLD	WF1X50YFQ	$ 133.00
		100 FOOT		WF1X100YFQ	$ 201.00
1½"	1¾"	50 FOOT	$ 4.04 FOOT UNCPLD	WF15X50YFQ	$ 149.00
		100 FOOT		WF15X100YFQ	$ 250.00

*** Standard Lengths**

NAFH-187™ TYPE I

- Synthetic filament polyester warp and filler yarns are unaffected by the effects of mildew and rot, requiring less maintenance after use.
- The Dura-Thane™ polyurethane inner liner is extremely strong and durable, while maintaining a lightweight and compact profile.
- Meets all requirements of the U.S. Forest Service Standard 5100-187 for Type I construction

NOMINAL DIAMETER	BOWL SIZE	STANDARD LENGTHS AVAILABLE*	PRICE PER FOOT UNCPLD NON-STANDARD LGTHS	PART NUMBER PLAIN CPLD ALUM NST	LIST PRICE
1"	1¼"	50 FOOT	$ 2.64 FOOT UNCPLD	1871X50PFN	$ 97.50
		100 FOOT		1871X100PFN	$ 163.50
1½"	1¾"	50 FOOT	$ 3.18 FOOT UNCPLD	18715X50PFN	$ 112.50
		100 FOOT		18715X100PFN	$ 192.00

NOMINAL DIAMETER	BOWL SIZE	STANDARD LENGTHS AVAILABLE*	PRICE PER FOOT UNCPLD NON-STANDARD LGTHS	PART NUMBER PLAIN CPLD ALUM QUARTER TURN	LIST PRICE
1"	1¼"	50 FOOT	$ 2.64 FOOT UNCPLD	1871X50PFQ	$ 114.00
		100 FOOT		1871X100PFQ	$ 180.00
1½"	1¾"	50 FOOT	$ 3.18 FOOT UNCPLD	18715X50PFQ	$ 127.50
		100 FOOT		18715X100PFQ	$ 192.00

*** Standard Lengths**

AI-41307 **Urban County 10. D.**

CC REGULAR

Meeting Date: 10/22/2013

Submitted For: Brandy Salinas **Submitted By:** Mary Flores, URBAN COUNTY

Department: URBAN COUNTY

Information

CAPTION

1. Urban County Program for Precinct No. 2 is requesting consideration and action to award and enter into a construction contract with FJW Construction (lowest bidder meeting all specifications and/or requirements) for the Texas General Land Office Round 2.1(GLO Contract No. 12-406-000-6453) in the amount of $3,688,306.84. The project consists of flood and drainage improvements within Precinct No. 2, Hidalgo County, Texas, from west Cage Boulevard to the USIBWC Floodway Levee.
2. Hidalgo County Precinct No. 2 commits $331,058.00 to undertake drainage improvements for the completion of the GLO Contract 12-406-000-6453/DRS210068 South Fork Drain project

BACKGROUND

Bids were requested and received for Precinct No. 2 flood and drainage improvements. R. Gutierrez Engineering/Consulting Engineers prepared the specification packages. Bids were opened at the Hidalgo County
Purchasing Department on August 21, 2013. After review, the project engineer recommended FJW Construction as the lowest responsible bidder. (See attached recommendation letter from the R. Gutierrez Engineering/Consulting Engineers and copy of bid tabulations.) Hidalgo County Drainage District No. 1 agreed to fund half of the cost of the gated box structures, and inspection. An interlocal agreement between County of Hidalgo and Hidalgo County Drainage District No. 1 was approved in Commissioner's Court on September 11, 2013.

Contractor: FJW Construction

Hidalgo County Urban County Program (GLO) funding:	$3,103,310.00
Hidalgo County Drainage District 1 funding:	$ 515,365.78
Hidalgo County Precinct No. 2 funding:	$ 331,058.00
Total available for this project:	**$3,949,733.78**

Attachments

CIQ
Exhibit B
Const Contract
R. Gutierrez
Interlocal
W-9
Pct 2 Letter
Ins

Bid Tabulation

letter of commitent - pct2

Form Review

Inbox	Reviewed By	Date
Budget & Management	Obdett Calzada	10/17/2013 04:18 PM
Purchasing Department	Monica Badillo	10/18/2013 04:51 PM

Form Started By: Mary Flores Started On: 10/17/2013 01:56 PM

Final Approval Date: 10/18/2013

EXHIBIT "D"

2450452

CONFLICT OF INTEREST QUESTIONNAIRE — FORM CIQ

For vendor or other person doing business with local governmental entity

This questionnaire reflects changes made to the law by H.B. 1491, 80th Leg., Regular Session.

This questionnaire is being filed in accordance with Chapter 176, Local Government Code by a person who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the person meets requirements under Section 176.006(a).

By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the person becomes aware of facts that require the statement to be filed. *See* Section 176.006, Local Government Code.

A person commits an offense if the person knowingly violates Section 176.006, Local Government Code. An offense under this section is a Class C misdemeanor.

OFFICE USE ONLY

Date Received

1 **Name of person who has a business relationship with local governmental entity.**

n/a Bobby Whatley, FJW Construction

2 ☐ **Check this box if you are filing an update to a previously filed questionnaire.**

(The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date the originally filed questionnaire becomes incomplete or inaccurate.)

3 **Name of local government officer with whom filer has employment or business relationship.**

n/a
Name of Officer

This section (item 3 including subparts A, B, C & D) must be completed for each officer with whom the filer has an employment or other business relationship as defined by Section 176.001(1-a), Local Government Code. Attach additional pages to this Form CIQ as necessary.

A. Is the local government officer named in this section receiving or likely to receive taxable income, other than investment income, from the filer of the questionnaire?

☐ Yes ☑ No

B. Is the filer of the questionnaire receiving or likely to receive taxable income, other than investment income, from or at the direction of the local government officer named in this section AND the taxable income is not received from the local governmental entity?

☐ Yes ☑ No

C. Is the filer of this questionnaire employed by a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership of 10 percent or more?

☐ Yes ☑ No

D. Describe each employment or business relationship with the local government officer named in this section.

4

na Bobby Whatley
Signature of person doing business with the governmental entity

9/24/13
Date

Bobby Whatley

Adopted 06/29/2007



Hidalgo County
Arturo Guajardo Jr.
County Clerk
Edinburg,TX 78540

Instrument Number: 2013-2450452

As

Recorded On: September 24, 2013 **Recording**

Parties:

To

Billable Pages: 1

Number of Pages: 2

Comment: CONFLICT OF INTEREST

**** Examined and Charged as Follows: ****

Recording	26.00
Total Recording:	**26.00**

********** THIS PAGE IS PART OF THE INSTRUMENT **********

Any provision herein which restricts the Sale, Rental or use of the described REAL PROPERTY because of color or race is invalid and unenforceable under federal law.

File Information:

Document Number: 2013-2450452
Receipt Number: 1389001
Recorded Date/Time: September 24, 2013 10:36A

User / Station: I Leal - Cash Station 02

Record and Return To:

ORIGINIAL RETURN TO CUSTOMER

STATE OF TEXAS
COUNTY OF HIDALGO

I hereby certify that this Instrument was FILED in the File Number sequence on the date/time printed heron, and was duly RECORDED in the Official Records of Hidalgo County, Texas

Arturo Guajardo Jr.
County Clerk
Hidalgo County, TX

EXHIBIT "B"

BID PAGE

Hidalgo County – Urban County Program
"Pct. 2 South Fork Drain for Texas General Land Office"
GLO Contract No. 12-406-000-6453/DRS210068
"RFB No: 6540-61-0309-5200-6100-UCP-BS

OPENED
8/21/13
10:00
Witnessed

SCOPE OF WORK DESCRIPTION:
Drainage Improvements in Hidalgo County

BID PRICE: $ 3,679,450.84

ALTERNATE PRICE: $ —

BIDDER/COMPANY NAME: FJW Construction

ADDRESS: 1100 E. Jasmine, Suite 102

CITY/STATE/ZIP CODE: McAllen, TX 78501

PHONE & FAX NO.'S: Office - 956-688-2397 Fax - 956-688-2315

CELLULAR #: 956-525-3967

AUTHORIZED SIGNATURE:

PRINTED NAME: Bobby Whatley

TITLE: Executive Vice President

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

CONSTRUCTION CONTRACT

This Agreement entered into this **22st day of October, 2013** by and between Hidalgo County acting by and through Hidalgo County Urban County Program, hereinafter called the "OWNER", acting herein through its County Judge and **FJW Construction (a corporation)** (a partnership) (an individual) of **McAllen,** State of Texas, hereinafter called "CONTRACTOR".

WITNESSETH

That for and in consideration of the payments and agreements hereinafter mentioned, to be made and performed by the OWNER, the CONTRACTOR hereby agrees with the OWNER to commence and complete the construction described as follows:

PROJECT NAME:	**Pct. 2 Flood Drainage Improvements for the project known as the "South Fork Drain" for Texas General Land Office (GLO) contract No. 12-406-000-6453//DRS210068**
PROJECT No.:	**6540-61-0309-5200-6100-UCP-BS**
PROJECT DESCRIPTION:	**"Precinct No. 2- South Fork Drain Project"**

heinafter called the project, for the sum of **($3,688,306.84) – Three million, six hundred eighty eight thousand, three hundred six dollars and eighty four cents** and all extra work in connection therewith, under the terms as stated in the General and Special Conditions of the Contract; and at his (its or their) own proper cost and expense to furnish all the materials, supplies, machinery, equipment, tools, superintendence, labor, insurance, and other accessories and services necessary to complete the said project in accordance with the conditions and prices stated in the Proposal, the General Conditions, Supplemental General Conditions and Special Conditions of the contract, the plans, which include all maps, plats, blue prints, and other drawings and printed or written explanatory matter thereof, the specifications and contract documents therefore as prepared by **R. Gutierrez Engineering Corporation,** and as enumerated in Paragraph 1 of the Supplemental General Conditions, all of which are made a part hereof and collectively evidence and constitute the contract.

The CONTRACTOR hereby agrees to commence work under this contract on or after a date to be specified in a written "Notice to Proceed" of the OWNER and to fully complete the project within **(360) Three Hundred Sixty** consecutive calendar days thereafter. The CONTRACTOR further agrees to pay, as liquidated damages, the sum of **($500.00) Five hundred dollars and zero cents** for each consecutive calendar day thereafter as hereinafter provided in Paragraph 19 of the General Conditions.

The OWNER agrees to pay the CONTRACTOR in current funds for the performance of the contract, subject to additions and deductions, as provided in the General Conditions of the contract, and to make payments on account thereof as provided in Paragraph 25, "Payments to Contractor", of the General Conditions.

IN WITNESS WHEREOF, the parties to these presents have executed this contract in four (4) counterparts,

each of which shall be deemed an original, in year and day first above mentioned.

_____
Name of Signatory
Name of Firm

Name of Firm:_____

Address: _____
_____

Federal I.D./S.S.:_____

STATE OF TEXAS '
'
COUNTY OF HIDALGO '

This instrument was acknowledged before me on this the ___ day of _____, 20_____,

by _____, _____ of and on behalf of _____.
(title) (a corporation) (a partnership) (an individual)

_____
Notary Public - Signature

WITNESS:

URBAN COUNTY PROGRAM

_____

_____
Diana R. Serna , Director
Urban County Program

APPROVED AS TO FORM
Atlas, Hall & Rodriguez
By: Stephen L. Crain
Date: July 12, 2012

R. Gutierrez Engineering Corporation
Texas Engineering Firm Number: F-486
Texas Surveying Firm Number: 101650-00

September 12, 2013

Hector "Tito" Palacios
County Commissioner
Hidalgo County Precinct No. 2
300 W. Hall Acres, Suite G
Pharr, TX 78577

RE: Recommendation for Award: "Pct 2 South Fork Drain for Texas General Land Office" - GLO Contract No. 12-406-000-6453/DRS210068 - Bid No. 6540-61-0309-5200-6100-UCP-BS

Dear Commissioner Palacios:

On Wednesday, August 21, 2013, at 9:30 a.m. in the Hidalgo County Purchasing Department Conference Room, bids were opened and read aloud for the above captioned project. Five (5) bids were received for this project. The low responsive base bid was for **$3,688,306.84** from **FJW Construction, LLC** of McAllen, Texas.

Enclosed is a copy of the Bid Proposal Forms, and Bid Tabulation Forms. We have reviewed the bids submitted and are recommending award of the contract base bid to the lowest responsive bidder being **FJW Construction, LLC** of McAllen, Texas, for **$3,688,306.84.**

There were three discrepancies with the bids submitted. These are as follows:

1. **DK III Hornback Enterprises** had errors in calculating the extension of the unit price for Preparation of Right-of-Way, Stone Riprap (Protection) (12-inch) (Dry), and had an error in totaling the cost for the Gated Box Structures Construction portion of the project. The corrected total bid for this company is $3,744,638.62.

2. **SBBI, Inc.** had errors in totaling the Drain Ditch Construction and that also resulted in a change in the total bid. The corrected total bid for this company is $3,926,110.00.

3. **FJW Construction** had an error in the unit bid price for Manhole (Compl) (Ty M) (5'x6'). This resulted in a change for the cost of the Check Valves Construction portion of the project and also resulted in a change in the total bid. The corrected total bid for this company is $3,688,306.84.

All changes are shown highlighted in yellow on the bid tabulation sheet. If you have any questions or require our assistance please do not hesitate to call us. We are ready to assist you in making this project a success. You can call me at 956-782-2557 or on my mobile at 956-227-2154.

Sincerely,

Ramiro Gutierrez, P.E.
President

cc: Files
Encl

130 E. Park Ave – Pharr, Texas 78577 – Tel: 956-782-2557 – Fax: 956-782-2558 – Email: rgutierrez@rgec.net

STATE OF TEXAS §
§
COUNTY OF HIDALGO §

INTERLOCAL COOPERATION AGREEMENT BETWEEN THE COUNTY OF HIDALGO AND HIDALGO COUNTY DRAINAGE DISTRICT NO. 1

This Agreement is made on this the 11 day of SEPTEMBER, 2013, by and between Hidalgo County acting by and through the Hidalgo County Urban County Program, hereinafter referred to as "Hidalgo County" and Hidalgo County Drainage District No. 1, hereinafter referred to as "District" pursuant to the provisions of the Texas Interlocal Cooperation Act, as follows:

WITNESSETH

WHEREAS, Hidalgo County Urban County Program received a Texas Community Development Program Grant from the Texas General Land Office for non-housing assistance a portion of which will be utilized for the South Fork/ South Floodwater Channel Structure (the "Project");

WHEREAS, the Project is a flood control structure located on the downstream end of District's South Floodwater Channel where it intersects the USIBWC Floodway (the "Project");

WHEREAS, Hidalgo County and District are authorized to enter into this Agreement pursuant to the Interlocal Cooperation Act, Texas Gov't Code 791.001 et seq., which authorizes local governments to contract with each other to perform governmental functions and services under the terms of the Act;

NOW, THEREFORE, Hidalgo County and District, in consideration of the mutual covenants expressed hereinafter, agree as follows:

1. Hidalgo County agrees to perform through a third party contractor construction of a gated double concrete box structure with pumps as designed by a third party engineer together with required inspections to complete the Project and to the extent allowed by law, agrees to indemnify and hold District harmless from any and all claims, damages, losses and expenses, including attorney's fees, arising out of resulting from the construction, geotech and inspection of the Project.

2. District agrees to fund one half (½) of the cost of the construction, and inspection cost of the Project and will pay such cost against invoice of Hidalgo County acting by and through the Hidalgo County Urban County Program within thirty (30) days of receipt of such invoice.

3. The District makes no warranties, express or implied, under this Agreement or otherwise in connection with the Project as described above.

4. Hidalgo County acting by and through Precinct 2 and District hired, at their respective sole cost and expense through separate agreements a licensed engineer to prepare any and all necessary plans and specifications needed to complete the Project and each shall pay such engineer their respective costs under such separate agreements.

5. Hidalgo County agrees to conduct and perform, at its sole cost and expense, any and all other requirements of the Project and agrees to the extent allowed by law, to indemnify and hold District harmless from any claims, damages, losses and expenses, including attorney's fees, arising out of or resulting from such other requirements of the Project not specifically agreed to herein to be undertaken by or paid for by District.

6. Hidalgo County agrees to conform to its own applicable purchasing laws, regulations, policies, and under this Agreement.

7. Upon completion of the Project District shall maintain and operate the Project.

8. **Conflict of Applicable Law.** Nothing in this Agreement shall be construed so as to require the commission of any act contrary to law, and whenever there is any conflict between and provision of their Agreement and any present or future law, ordinance or administrative, executive or judicial regulation, order or decree, or amendment thereof, contrary to which the parties have no legal right to contract, the latter shall prevail, but in such event the affected provision or provision of this Agreement shall be modified only to the extent necessary to bring them within the legal requirements and only during the times such conflict exists.

9. **No Waiver.** No waiver by any party hereto of any breach of any provision of the Agreement shall be deemed to be a waiver of any preceding or succeeding breach of the same or any other provision hereof.

10. **Entire Agreement.** This Agreement contains the entire contract between the parties hereto and each party acknowledges that neither has made (either directly or through any agent or representative) any representation or agreement in connection with this Agreement not specifically set forth herein. This Agreement may be modified or amended only by agreement in writing executed by Hidalgo County and District, and not otherwise.

11. **TEXAS LAW TO APPLY.** THIS AGREEMENT SHALL BE CONSTRUED UNDER AND IN ACCORDANCE WITH THE LAWS OF THE STATE OF TEXAS, AND ALL OBLIGATION OF THE PARTIES CREATED HEREUNDER ARE PERFORMABLE IN HIDALGO COUNTY, TEXAS. THE PARTIES HEREBY CONSENT TO PERSONAL JURISDICTION IN

HIDALGO COUNTY, TEXAS.

12. **Notice.** Except as may be otherwise specifically provided in this Agreement, all notices, demands, requests or communication required or permitted hereunder shall be in writing and shall either be (i) personally delivered against a written receipt, or (ii) sent by registered or certified mail, return receipt requested, postage prepaid and addressed to the parties at the addresses set forth below, or at such other addresses as may have been theretofore specified by written notice delivered in accordance herewith:

If to District:	Hidalgo County Drainage District No. 1 Attention: Godfrey Garza, Manager 902 N. Doolittle Road Edinburg, Texas 78542
If to Hidalgo County:	Hidalgo County Attention: Ramon Garcia, County Judge 302 W. University Drive Edinburg, Texas 78540-0758

Each notice, demand, request or communication which shall be delivered or mailed in the manner described above shall be deemed sufficiently given for all purposes at such time as it is personally delivered to the addressee or, if mailed, at such time as it is deposited in the United States mail.

13. **Additional Documents.** The parties hereto covenant and agree that they will execute such other and further instruments and documents as are or may become necessary or convenient to effectuate and carry out the terms of this Agreement.

14. **Successors.** This Agreement shall be binding upon and inure to the benefit of the parties hereto and their respective heirs, executors, administrators, legal representatives, successors, and assigns where permitted by this Agreement.

15. **Assignment.** This Agreement shall not be assignable.

16. **Headings.** The headings and captions contained in this Agreement are solely for convenience reference and shall not be deemed to affect the meaning or interpretation of any provision or paragraph hereof.

17. **Gender and Number.** All pronouns used in this Agreement shall include the other gender, whether used in the masculine, feminine or neuter gender, and singular shall include the plural whenever and so often as may be appropriate.

18. **Authority to Execute.** The execution and performance of this Agreement by the District and Hidalgo County have been duly authorized by all necessary

laws, resolutions or corporate action, and this Agreement constitutes the valid and enforceable obligations of District and Hidalgo County in accordance with its terms.

19. **Governmental Purpose.** Each party hereto is entering into this Agreement for the purpose of providing for governmental services or functions and will pay for such services out of current revenues available to the paying party as herein provided.

20. **Commitment of Current Revenues Only.** In the event that during any term hereof, the governing body of any party does not appropriate sufficient funds to meet the obligations of such party under this Agreement, then any party may terminate this Agreement upon ninety (90) days written notice to the other party. Each of the parties hereto agrees, however, to use its best efforts to secure funds necessary for the continued performance of this Agreement. The parties intend this provision to be a continuing right to terminate this Agreement at the expiration of each budget period of each party hereto pursuant to the provisions of Tex. Loc. Govt. Code Ann. §271.903.

WITNESS THE HANDS OF THE PARTIES effective as of the day and year first written above.

HIDALGO COUNTY DRAINAGE DISTRICT NO. 1

Ramon Garcia

Ramon Garcia , Chairman Board of District

COUNTY OF HIDALGO

Ramon Garcia

Ramon Garcia, County Judge

ATTEST:

Arturo Guajardo, Jr., County Clerk

APPROVED BY
COMMISSIONERS' COURT
ON: 6/11/13

APPROVED AS TO FORM: JUNE 12, 2013

ATLAS, HALL & RODRIGUEZ, LLP

BY: STEPHEN L. CRAIN
Stephen L. Crain

STATE OF TEXAS §
§
COUNTY OF HIDALGO §

APPROVAL OF
INTERLOCAL COOPERATION AGREEMENT
PROJECT

In accordance with Texas Government Code §791.014, Hidalgo County, Texas, acting by and through the Hidalgo County Commissioners Court, has been advised of a project to provide drainage facilities to low income persons known as the South Fork/ South Floodwater Channel Structure (the "Project"); through an Interlocal Cooperation Agreement to be entered by and between Hidalgo County acting by and through the Hidalgo County Urban County Program, hereinafter referred to as "Urban County" and Hidalgo County Drainage District No. 1, hereinafter referred to as "District".

By vote on Sept. 11, 2013, the Hidalgo County Commissioners Court has approved the Project identified above.

Ramon Garcia
By: Ramon Garcia, County Judge

ATTEST:

Arturo Guajardo, County Clerk

APPROVED BY
COMMISSIONERS' COURT
ON: 9/11/13

APPROVED AS TO FORM: JUNE 12, 2013

ATLAS, HALL & RODRIGUEZ, LLP

By: STEPHEN L. CRAIN
Stephen L. Crain

Form **W-9**
(Rev. November 2005)
Department of the Treasury
Internal Revenue Service

Request for Taxpayer Identification Number and Certification

Give form to the requester. Do not send to the IRS.

Print or type
See Specific Instructions on page 2.

Name (as shown on your income tax return)
FJW Construction

Business name, if different from above
FJW Construction

Check appropriate box: ☐ Individual/ Sole proprietor ☐ Corporation ☒ Partnership ☐ Other ► .....

☐ Exempt from backup withholding

Address (number, street, and apt. or suite no.)
1100 E. Jasmine, Suite 102

Requester's name and address (optional)

City, state, and ZIP code
McAllen, TX 78501

List account number(s) here (optional)

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on Line 1 to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Note. If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.

Social security number
| | | | | | | | | |

or

Employer identification number
2 6 - 3 1 5 6 2 4 0

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and
3. I am a U.S. person (including a U.S. resident alien).

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the Certification, but you must provide your correct TIN. (See the instructions on page 4.)

Sign Here Signature of U.S. person ► Bobby W Ford Date ► 08/13/2013

Purpose of Form

A person who is required to file an information return with the IRS, must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

U.S. person. Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
2. Certify that you are not subject to backup withholding, or
3. Claim exemption from backup withholding if you are a U.S. exempt payee.

In 3 above, if applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income.

Note. If a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

For federal tax purposes, you are considered a person if you are:

- An individual who is a citizen or resident of the United States,
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States, or
- Any estate (other than a foreign estate) or trust. See Regulations sections 301.7701-6(a) and 7(a) for additional information.

Special rules for partnerships. Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax on any foreign partners' share of income from such business. Further, in certain cases where a Form W-9 has not been received, a partnership is required to presume that a partner is a foreign person, and pay the withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid withholding on your share of partnership income.

The person who gives Form W-9 to the partnership for purposes of establishing its U.S. status and avoiding withholding on its allocable share of net income from the partnership conducting a trade or business in the United States is in the following cases:

- The U.S. owner of a disregarded entity and not the entity,

COUNTY of HIDALGO
Precinct No. 2



Hector "Tito" Palacios
County Commissioner

October 15, 2013

Diana R. Serna
Hidalgo County Urban County Program
3304 W. Alberta Road
Edinburg, TX 78539

Dear Ms. Serna:

Greetings, please accept this as Hidalgo County Precinct 2's concurrence, with R. Gutierrez Engineering Corporation's recommendation of awarding the South Fork Drain-GLO 12-406-000-6453/DRS210068 Flood Drainage Improvements Project to the lowest bidder FJW Construction for a total bid of $3,688,306.84.

We will be utilizing funding from both GLO funds under contract #DRS210068 and Hidalgo County Drainage District No. 1 funding.

Should you or your staff have any questions, please contact either me or Mr. Raul Silguero Jr. at 956-787-1891.

Respectfully,

Commissioner Hector "Tito" Palacios

cc: Diana R. Serna, Director of Urban County Program
Antonio Barco, Deputy Director of Urban County Program
Brandy R. Salinas, Program Coordinator
Ricardo Garcia, GLO Grant Manager

Administration Office
300 West Hall Acres, Suite G
Pharr, TX 78577
Tel: 956-787-1891 Fax: 956-787-4683

Precinct 2 Shop
301 E. State St.
Pharr, TX 78517

Client#: 78096 14FJWCON

ACORD™ CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 09/24/2013

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME: Shirley Garza
Wortham Insurance & Risk Management 221 West 6th St #1400 Austin, TX 78701 512 453-0031	PHONE (A/C, No, Ext): 512 453-0031 FAX (A/C, No): 5124530041 E-MAIL ADDRESS: shirley.garza@worthaminsurance.com

INSURED	INSURER(S) AFFORDING COVERAGE	NAIC #
FJW Construction, LLC 1301 S. Capital of TX Hwy Suite A-302 Austin, TX 78746	INSURER A : Continental Casualty Company	20443
	INSURER B : Transportation Insurance Compan	20494
	INSURER C : Continental Insurance Company	35289
	INSURER D :	
	INSURER E :	
	INSURER F :	

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	GENERAL LIABILITY			C4013083782	10/29/2012	10/29/2013	EACH OCCURRENCE	$1,000,000
	[X] COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurrence)	$100,000
	[ ] CLAIMS-MADE [X] OCCUR						MED EXP (Any one person)	$5,000
	[X] PD Ded: $4,000						PERSONAL & ADV INJURY	$1,000,000
							GENERAL AGGREGATE	$2,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						PRODUCTS - COMP/OP AGG	$2,000,000
	[ ] POLICY [ ] PRO-JECT [ ] LOC							$
C	AUTOMOBILE LIABILITY			C4013083751	10/29/2012	10/29/2013	COMBINED SINGLE LIMIT (Ea accident)	$1,000,000
	[X] ANY AUTO						BODILY INJURY (Per person)	$
	[ ] ALL OWNED AUTOS [ ] SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	[X] HIRED AUTOS [X] NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	$
								$
A	[ ] UMBRELLA LIAB [X] OCCUR			C4013083779	10/29/2012	10/29/2013	EACH OCCURRENCE	$5,000,000
	[X] EXCESS LIAB [ ] CLAIMS-MADE						AGGREGATE	$5,000,000
	[ ] DED [X] RETENTION $ $10,000							$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y/N			WC4013083765	10/29/2012	10/29/2013	[X] WC STATU-TORY LIMITS [ ] OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? [N]	N/A					E.L. EACH ACCIDENT	$1,000,000
	(Mandatory in NH)						E.L. DISEASE - EA EMPLOYEE	$1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - POLICY LIMIT	$1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

NAMED INSURED IS COMPLETED TO READ: FJW Construction, LLC; PM2i, Inc.

Name of Project: Pct. 2 South Fork Drain for Texas General Land Office, GLO Contract No. 12-406-000 6453/DRS210068, Bid No. 6540-61-0309-5200-6100-UCP-BS

Certificate Holder is completed to read: Hidalgo County - Urban County Program and U.S. Department of Housing & Urban Development

(See Attached Descriptions)

CERTIFICATE HOLDER	CANCELLATION
Hidalgo County 2802 S. Business Highway 281 Edinburg, TX 78539	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE

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14SDG

DESCRIPTIONS (Continued from Page 1)

Schedule of Forms and Endorsements:
Commercial General Liability Coverage Form CG 00 01 12 07
*Blanket Additional Insured - Owners, Lessees or Contractors - with Products-Completed Operations Coverage Form G-140331-C (10/10)
*Contractors' General Liability Extension Endorsement Form G-18652-1 (7/09)
*Texas Changes - Amendment of Cancellation Provision or Coverage Change Form CG 02 05 12 04
Business Auto Coverage Form CA 00 01 03 10
*Designated Insured Form CA 20 48 02 99
*Waiver of Transfer of Rights or Recovery Against Others To Us (Waiver of Subrogation) Form CA 04 44 03 10
*Changes - Notice of Cancellation or Material Change Form G-300660-A (06/08)
Worker's Compensation and Employers Liability Insurance Policy Form WC 00 00 00 B (7/11)
*Texas Waiver of Our Right to Recover From Others Endorsement WC 42 03 04 A (1/00)
*Texas Notice of Material Change Endorsement WC 42 06 01
Commercial Umbrella Plus Coverage Part G-15057-C 06 05

HIDALGO COUNTY PURCHASING DEPARTMENT
BID TABULATION SHEET

DEPARTMENT NAME: HIDALGO COUNTY – URBAN COUNTY PROGRAM

BID OPENING DATE: August 21, 2013 | **BID OPENING TIME: 9:30 A.M.**

DESCRIPTION OF BID: "Precinct No. 2 Flood Drainage Improvements for Project 'South Fork Drain' GLO-DRS"

BID NO: 6540-61-0309-5200-6100-UCP-BRS **PROCUREMENT SPECIALIST:**

RFB NO.	Name of Company	Total Base Bid	Acknowledged Addendum No. 1	Acknowledged Addendum No. 2	Acknowledged Addendum No. 3	Acknowledged Addendum No. 4	Bid Bond or Cashiers' Check Included
1.	Reim Construction Inc.	$4,782,037.65	Acknowledged	Acknowledged	Acknowledged	Acknowledged	Included
2.	DKIII Hornback Enterprises	$3,800,618.80	Acknowledged	Acknowledged	Acknowledged	Acknowledged	Included
3.	SBBI, Inc.	$3,930,990.00	Acknowledged	Acknowledged	Acknowledged	Acknowledged	Included
4.	O. G. Construction Co. LLC	$3,788.00.00	Acknowledged	Acknowledged	Acknowledged	Acknowledged	Included
5.	FJW Construction	$3,679,450.84	Acknowledged	Acknowledged	Acknowledged	Acknowledged	Included
6.							
7.							
8.							

*TYPED AS READ AT BID OPENING, AMOUNTS NOT VERIFIED/CALCULATED.

COUNTY of HIDALGO
Precinct No. 2



Hector "Tito" Palacios
County Commissioner

October 15, 2013

Re: DRS210068/GLO 12-406-000-6453
Hidalgo County Precinct no. 2 - Letter of Commitment
South Fork Drain Project

Dear Sir/Madam:

The Texas General Land Office has awarded Hidalgo County $20,943,306.00 for flood drainage improvement in Round 2.1 of the Disaster Recovery Program. Of that amount, $3,103,310.00 will be utilized for the South Fork Drain Project in Hidalgo County Precinct No. 2. Please accept this letter to serve as confirmation that Hidalgo County Precinct No. 2 has committed $331,058.00 of Pct. 2 Road & Bridge Fund, account no. 3-1339-431-00-122-040-0-733 to undertake Drainage improvements for the completion of the South Fork Drain Project.

Should you have any questions or require additional information, please contact me or Raul Silguero Jr. at 956-787-1891.

Respectfully,

Commissioner Hector "Tito" Palacios

cc: Diana R. Serna, Director of Urban County Program
Antonio Barco, Deputy Director of Urban County Program
Brandy R. Salinas, Program Coordinator
Ricardo Garcia, GLO Grant Manager

Administration Office
300 West Hall Acres, Suite G
Pharr, TX 78577
Tel: 956-787-1891 Fax: 956-787-4683

Precinct 2 Shop
301 E. State St.
Pharr, TX 78517

AI-41282 **Urban County 10. E.**

CC REGULAR

Meeting Date: 10/22/2013

Submitted For: Brandy R. Salinas **Submitted By:** Mary Flores, URBAN COUNTY

Department: URBAN COUNTY

Information

CAPTION

1. Requesting exemption from competitive bidding requirements under the Texas Local Government Code 262.024 (a)(4) for Professional Surveying Services;

2. Presentation of the scoring grid for the purposes of ranking by CC of at least three (3) surveying service firms from the County's approved "pool" as graded and evaluated by the Precinct No. 3, Urban County Program, and Hidalgo County Purchasing Department, in connection with and funded through Hidalgo County Urban County Program GLO Contract No. 12-406-000-6453/DRS210068 Penitas Drain project.

Surveyor	Grade	Ranked
CVQ Land Surveyors	96	
Dos Land Surveying	94.3	
R. Gutierrez Engineering Corp.	92.6	

3. Authority to negotiate a professional surveying service contract with the No. 1 ranked firm of _____ for the provision of **Surveying Services** for the Precinct No.3 – Penitas Drain Project.

BACKGROUND

The three (3) Professional Surveying firms rated from the County's approved "pool" are: CVQ Land Surveyors, Dos Land Surveying, and R. Gutierrez Engineering Corp.

Attachments

Grid for Surveying Services

Form Review

Inbox	Reviewed By	Date
Budget & Management	Obdett Calzada	10/16/2013 04:30 PM
Purchasing Department	Monica Badillo	10/18/2013 04:51 PM

Form Started By: Mary Flores Started On: 10/16/2013 02:45 PM

Final Approval Date: 10/18/2013

Texas General Land Office Disaster Recovery Funds
Surveying Services
Flood and Drainage Improvements
GLO Contract No. 12-406-000-6453
Grading-Ranking Grid

Criteria	CVQ Land Surveyors			Dos Land Surveying			R. Gutierrez Engineering Corp.		
	Grader 1	Grader 2	Grader 3	Grader 1	Grader 2	Grader 3	Grader 1	Grader 2	Grader 3
Responsiveness	30	27	29	27	30	28	25	30	30
Firm Capabilities	45	41	42	40	45	40	38	41	42
Staffing	24	25	25	23	25	25	22	25	25
TOTALS	99	93	96	90	100	93	85	96	97
AVERAGES	288 ÷3= 96			283 ÷3= 94.3			278 ÷3= 92.6		
RATING	1			2			3		

AI-41067 **Elections Administration 11. A.**

CC REGULAR

Meeting Date: 10/22/2013

Submitted By: Amanda Valdez, ELECTIONS DEPT.

Department: ELECTIONS DEPT.

Information

CAPTION

Approval of Full Contract for Election Services between Hidalgo County and the City of McAllen for their election to be held on November 5, 2013.

BACKGROUND

Two (2) originals of Contract for Election Services.

Fiscal Impact

FISCAL YEAR: 2013 **ACCT. #:** 3-1100-126-30-000-000-0-000

FUNDS AVAILABLE Y/N?: **MATCHING FUNDS Y/N?:**

BUDGETARY IMPACT:

All costs and applicable fees associated with the election services shall be paid by the entities requesting the services as outlined in the caption (reimbursement basis to the Elections Dept.) As of 10-2-13, the City of McAllen does not owe the Hidalgo County Elections Dept. any outstanding charges.

Attachments

McAllen Contract

Form Review

Inbox	Reviewed By	Date
Budget & Management	Ivan Cantu	10/03/2013 09:51 AM
Glinda Pacheco	Glinda Pacheco	10/03/2013 01:20 PM
Purchasing Department	Monica Badillo	10/18/2013 04:51 PM

Form Started By: Amanda Valdez Started On: 10/02/2013 05:00 PM

Final Approval Date: 10/18/2013

THE STATE OF TEXAS §
§ CONTRACT FOR ELECTION SERVICES
COUNTY OF HIDALGO §

This Contract is entered into by and between the HIDALGO COUNTY ELECTIONS ADMINISTRATOR, Yvonne Ramón, hereinafter referred to as "ADMINISTRATOR", on behalf of Hidalgo County, a political subdivision of the State of Texas, and the **CITY OF McALLEN**, hereinafter referred to as the "ENTITY", pursuant to Texas Election Code Section 31.092.

RECITALS

WHEREAS, the ENTITY, by appropriate action of its governing body acting in accordance with all applicable laws, has called an election to be held on **November 5, 2013**.

WHEREAS, pursuant to Section 31.092(a) of the Texas Election Code, the County Election Officer may contract with the governing body of a political subdivision situated wholly or partly in the county served by the officer to perform election services in any one or more elections ordered by an authority of the political subdivision; and

WHEREAS, pursuant to Section 31.091(1) of the Texas Election Code, the County Election Officer means the Elections Administrator for Hidalgo County; and

WHEREAS, the ENTITY is a political subdivision in Hidalgo County that desires the County to conduct and supervise the **November 5, 2013**, election of the ENTITY (the "Election"); and

WHEREAS, the ENTITY and the COUNTY, through the ADMINISTRATOR, desire to enter into a contract setting out the respective responsibilities of the parties; and

WHEREAS, the COUNTY agrees to perform election services for the ENTITY; and

WHEREAS, pursuant to Section 271.002(a) of the Texas Election Code that authorizes two or more political subdivisions to enter into an agreement to hold elections jointly in the election precincts that can be served by common polling places; and

WHEREAS, pursuant to Sections 271.003 (a) (b) the location of a common polling place may be used in a joint election, where the voters of a particular precinct or political subdivision may be served in a joint election by common polling places located outside the boundary of the precinct or political subdivision if the location can adequately and conveniently serve the affected voters and if it will facilitate the orderly conduct of the election.

WHEREAS, ADMINISTRATOR has provided costs for election services to be rendered by ADMINISTRATOR'S office pursuant to the terms of this Contract, which costs are set out in Article VI hereof; and

NOW, THEREFORE, the COUNTY, through the ADMINISTRATOR, and the ENTITY for good and valuable consideration, the adequacy and receipt of which is hereby acknowledged, do hereby agree to hold contract, covenant and agree as follows:

ARTICLE I
PURPOSE

1.01. The parties hereto have entered into this Contract for election services described in Article II to be provided to the ENTITY for its election to be held on **November 5, 2013**, and any Runoff, if applicable.

ARTICLE II
SERVICES

2.01. The COUNTY, through the ADMINISTRATOR, agrees to provide to the ENTITY the following:

(A) Procure, provide, prepare, program and distribute Direct Recording Electronic (DREs) voting systems and necessary election equipment, as well as an ADA voting system, and transport equipment to and from the polling locations, including early voting substations, for the ENTITY;

(B) Prepare and provide Direct Recording Electronic training for election workers;

(C) Prepare and provide Logic and Accuracy testing on ENTITY's election ballot for every iVotronic voting machine to be utilized by ENTITY during early voting and election day;

(D) Procure, provide, prepare and program Electronic Poll Book(s) per polling location with the Voter Registration Database. To include laptop(s), training for poll book , insurance, and delivery fee, as well as supplies such as, but not limited to labels and printer;

(E) Provide and prepare all mail-in ballot supplies, including applications, paper ballots, envelopes and postage;

(F) Provide training for Judges/Clerks;

(G) Procure, provide, prepare, and distribute all necessary election supplies, including:
1) Ballots (preparation and distribution only);
2) Election kits and election paperwork;
3) Ballot boxes and voting booths

(H) Provide cages and covers, cage kit, to include, but not limited to surge protectors, tape, printer, headphones and scanner as well as supplies such as bags, aprons, clipboards, pens, pencils, rulers, magnifiers, inkpads, screen cloths, sanitizers and badges;

(I) Procure early voting polling places and election day polling places, as ordered;

(J) Prepare Writ of Election to election officers and notice of appointment to Presiding and Alternate judges, as required by law;

(K) Notify the election judges of the date, time and place of the election;

(L) Procure and pay election judges and clerks for early voting and election day voting;

(M)Provide the general overall supervision of the Election and provide the advisory services in connection with the decisions to be made and the actions to be taken by the ENTITY;

(N) Procure and pay Ballot Board members ;

(O) Provide information for election officers;

(P) Provide such incidental related services as may be necessary to conduct the election;

(Q) Serve as the Early Voting Clerk;

(R) Establish a Central Counting Station for the purpose of tabulating ballots; and

(S) Tabulate election results in preparation for ENTITY's canvassing.

2.02 The ENTITY shall be responsible for performing the following:

(A) Payment of all necessary election supplies as required by the COUNTY, including but not limited to ballots, election kits, mail-in ballot supplies, laptop rental, labels and combination forms;

(B) Pay the cost of judges and election workers for hourly pay submitted by the County Elections Administrator at the rate of $9.00 per hour for Election Judges and $8.00 per hour for Alternate Judges and Early Voting Clerks for both Early Voting and General Election and pay the cost for training of Judges and Clerks at the rate of $7.00 per hour per person.

(C) Reimburse the COUNTY for the cost for liability insurance coverage for election workers employed for both Early Voting and General Election;

(D) Prepare, distribute, and publicize notice of election (Texas Election Code Section 4.003.a1) and early voting and election day schedules in newspaper;

(E) Canvass the Election results for the ENTITY'S governing body;

(F) Prepare and submit to the Secretary of State the Precinct by Precinct reports;

(G) As stated in Section 31.096 of the Texas Election Code, this Contract may not change:
(1) the authority with whom applications of candidates for a place on a ballot are filed; (2) the authority with whom documents are filed under Title 15; or (3) the authority to serve as custodian of voted ballots or other election records, except that the contract may provide that the County Election Officer will be the custodian of voted ballots. Under this Contract, the Hidalgo County Elections Administrator shall be the custodian of voted ballots.

(H) The ADMINISTRATOR shall be the agent of the ENTITY for the purposes of contracting with third parties with respect to the election expenses within the scope of the County Elections Administrator's duties;

(I) The COUNTY shall file copies of this Contract with the County Treasurer and the County Auditor; and

(J) Reimburse the COUNTY for any and all costs associated with recounts and/or election contests associated with the election;

(K) In accordance with Section 31.100(b) of the Texas Election Code, only actual expenses directly attributable to this Contract may be paid. The ADMINISTRATOR shall submit the actual costs for items contracted pursuant to the Contract with the ENTITY no sooner than ten (10) days after the Election and/or as soon as all invoices from third party vendors are received;

(L) Confirm and/or correct the boundaries of the political subdivision holding the election on a map provided by the County. Once confirmed and/or corrected, Entity certifies the veracity of the boundaries and geographical area that represents the Entity and the area subject to the election.

ARTICLE III
SCHEDULE FOR PERFORMANCE OF SERVICES

3.01. Specific services to be provided related to the general services identified in Article II shall be performed in accordance with the time requirements set out in the Texas Election Code.

ARTICLE IV
SERVICES NOT PROVIDED BY COUNTY

4.01. ADMINISTRATOR shall have no responsibility for insuring the passage of the appropriate Election Order by the ENTITY, publishing and (or) posting the Election Order as required by the Texas Election Code Section 3.004(3), or Texas Election Code 67.002(2) which is canvassing election results.

ARTICLE V
TERM

5.01. Except as hereinafter set out, the term of this Contract shall be from the time of execution until all items with respect to this Contract and the election held hereunder have been completed.

ARTICLE VI
COST OF SERVICE AND BILLING

In consideration for the services provided hereunder by ADMINISTRATOR, the ENTITY agrees to pay ADMINISTRATOR for the following costs of services:

6.01 iVotronic Voting Machines:

A. One base charge of $150.00 for Programming iVotronic ballot for voting machines, a $25 additional charge per additional ballot styles and a minimum of a $10 charge for Request Changes on Programmed Ballot;
B. Base charge for Audio Setup of $300 for English/Spanish;

C. A $10.00 recording fee for Audio Files for each Contest and/or Office;
D. A $10.00 recording fee for Audio Files for each Proposition/Amendment/Charter/Instructions;
E. A $10.00 recording fee for Audio Files for each Candidate and/or Responses;
F. Cost of creating election media, such as, but not limited to Personal Electronic Ballot cartridges (PEB), compact flash cards, labels, bags, keys, etc.;
G. The amount of $150.00 leasing fee for each iVotronic and $150.00 leasing fee for each ADA iVotronic;
H. Cost of delivery and pick-up of iVotronics for Early Voting and Election Day to include fuel charge and mileage at COUNTY's cost;
I. The above described fees for each machine and programming fee shall be additionally charged for any Runoff Election.

6.02 Electronic Poll Book:
A. Database access at $100.00 per day;
B. Laptop rental, magnetic card swipes, bar code scanner, Dymo printers, insurance and delivery fee of $150.00 per location;
C. Printer label fee of $.03 per label (price subject to change);
D. Creation of separate Username and password for each polling location at $20.00 per location;

6.03 Fee for Early Voting and General Election Combination forms, maps and election kits. One-hundred sample ballots at no charge with additional sample ballots at twenty cents per copy; No charge for provisional bags, table tops if necessary, ballot box (es), custom signs and flags;

6.04 Reimbursement of ballot supplies, including applications, paper ballots, correspondence, envelopes and postage at COUNTY's cost;

6.05 Reimbursement fee for publications of all notices and newspaper advertisements, (if applicable);

6.06 Reimbursement of rental fees incurred for early voting polling places and Election Day polling places, as ordered;

6.07 Cost of judges and election workers for time worked to be submitted to the ENTITY by the ADMINISTRATOR. The ENTITY shall reimburse the COUNTY for the cost of payroll for election workers at $9.00 per hour for Election Judge, $8.00 per hour for Alternate Judge and Clerk(s); includes cost of payroll for training of Election Judge, Alternate Judge and Clerk(s) at $7.00 per hour per person;

6.08 Pay for the cost of the Ballot Board judge at $9.00 per hour and Ballot Board clerks at $8.00 per hour;

6.09 One copy of canvass report provided to ENTITY at no charge; each additional canvass report requested to be reimbursed by the ENTITY at COUNTY's cost;

6.10 Reimbursement to the COUNTY for the cost of liability insurance coverage as set by the County for all election workers employed for the elections;

6.11 Reimbursement to the COUNTY for the cost of the use of wireless cell phones at polling locations with the rate set by the wireless vendor at the time of usage which includes an additional per minute fee as charged by the vendor, a service charge of $10.00 per phone line and a Verizon base fee of $3.99 per phone line;

6.12 Billing:

A. The form of the invoice to be used in the billing by the COUNTY, including a good faith estimate of costs, is attached hereto as Exhibit A. The ENTITY shall submit to the COUNTY, an administrative fee of ten percent (10%) of the entire estimated cost of the Election, as shown in Exhibit A referenced above. This fee shall be submitted to the County with this signed contract. The parties agree that time is of the essence on this payment obligation. The ten percent (10%) administrative fee is prescribed by Section 31.100(d) of the Election Code.

B. The ADMINISTRATOR shall, as soon as practicable after the Election, prepare and send an itemized invoice with the actual costs of the Election to the ENTITY.

C. Full payment of the remaining balance, if any, shall be made by the ENTITY within thirty (30) days of receipt of the invoice.

D. Payment shall be made by check payable to the Hidalgo County Elections.

E. Notice. Except as may be otherwise specifically provided in this contract, all notices, demands, requests or communication required or permitted hereunder shall be in writing and shall either be (i)personally delivered against a written receipt, or (ii) sent by registered or certified mail, return receipt requested, postage prepaid and addressed to the parties at the addresses set forth below, or at such other addresses as may have been theretofore specified by written notice delivered in accordance herewith:

Yvonne Ramón
Hidalgo County Elections Administrator
PO Box 659
Edinburg, Texas 78540

Annette Villarreal
City Secretary
City of McAllen
PO Box 220
McAllen, TX 78505

F. Any balances, if any remain after the payment of all costs of election bills, shall be the property of the ENTITY and returned to it.

ARTICLE VII

7.01 IF ANY OF THE ELECTION EQUIPMENT IS LOST, STOLEN, DESTROYED, OR DAMAGED, THE CITY, SCHOOL DISTRICT OR ENTITY WHO LEASED THE EQUIPMENT IS LIABLE FOR THE DAMAGE AND AGREES TO PAY THE ADMINISTRATOR THE COST OF THE REPLACEMENT OR REPAIR OF THE ELECTION EQUIPMENT SO LOST, STOLEN, DESTROYED OR DAMAGED.

ARTICLE VIII
GENERAL PROVISIONS

8.01. This Contract shall be construed under and in accordance with the laws of the State of Texas, and all obligations of the parties created hereunder are performable in Hidalgo County, Texas.

8.02. In case any one or more of the provisions contained in this Contract shall for any reason be held to be invalid, illegal or unenforceable in any respect, such invalidity, illegality or unenforceability shall not affect any other provision thereof, and this Contract shall be construed as if such invalid, illegal or unenforceable provision had never been contained herein.

8.03. This Contract constitutes the sole and only agreement of the parties hereto and supersedes any prior understanding or written or oral agreement between the parties respecting the written subject matter.

8.04. No amendment, modification, or alteration of the term hereof shall be binding unless the same be in writing, dated subsequent to the date hereof and duly executed by the parties hereto.

SIGNED this _____ day of _____, 2013

APPROVAL COUNTY OF HIDALGO:

BY:_____
RAMON GARCIA
COUNTY JUDGE

ATTEST:

BY:_____
ARTURO GUAJARDO, JR.
COUNTY CLERK

CITY OF MCALLEN
ENTITY

BY: _____

PRINT: JIM DARLING

TITLE: MAYOR

ATTEST

BY: _____

PRINT: ANNETTE VILLARREAL

TITLE: CITY SECRETARY

ELECTIONS ADMINISTRATOR

BY: _____
YVONNE RAMÓN

APPROVED AS TO LEGAL FORM:

HIDALGO COUNTY
ASSISTANT DISTRICT ATTORNEY

BY: _____
VICTOR M. GARZA

2013 Hidalgo County Elections
Contract Estimate Calculator

EXHIBIT A

PLEASE NOTE THAT THIS TOOL IS FOR ESTIMATION PURPOSES ONLY.
PRICES ARE SUBJECT TO CHANGE AS DETERMINED BY FINAL INVOICE.

	ELECTION: City of McAllen Propositions (3)	DATE: November 5, 2013		
6.01	**Programming Services for iVotronic**	**Price**	**Quantity**	**Total**
A	Base Charge: Ballot Programming	$150.00	1	$150.00
A	Additional Ballot Style(s)	$25.00	0	$0.00
A	Request Change on Programmed Ballot	$10.00	0	$0.00
B	Audio Files Set up Charge English/ Spanish	$300.00	1	$300.00
C	Audio Files (Per Contest/Office)	$10.00	0	$0.00
D	Audio Files (Per Propositions/ Amendments/ Charters/ Instructions)	$10.00	3	$30.00
E	Audio Files (Per Candidate/ Responses)	$10.00	6	$60.00
F	Election Media per Polling Location(s)	$100.00	20	$2,000.00
G	*iVotronic Voting Machine(s)	$150.00	96	$7,200.00
G	*ADA iVotronic Voting Machine(s)	$150.00	20	$1,500.00
H	Delivery/ Pick-up Fee (includes Mileage)	$450.00	1	$450.00
			Total iVotronic Programming Charges	$11,690.00
6.02	**Electronic Poll Book (VoteSafe)**	**Price**	**Quantity**	**Total**
A	*Voter Registration Database Access (Per Day)	$100.00	13	$650.00
B	*Laptop Rental (includes Bar Code Scanner/Dymo Printer)	$150.00	14	$1,050.00
C	Printer Labels (per vote)	$0.03	59553	$1,786.59
D	Username/Password - Per Polling Location	$20.00	20	$400.00
			Total Electronic Poll Book Charges	$3,886.59
6.03	**Supplies**	**Price**	**Quantity**	**Total**
	Early Voting Combination Forms	$0.55	1250	$687.50
	Election Day Combination Forms	$0.55	1250	$687.50
	*Election Judge Kit for Early Voting	$35.00	6	$105.00
	*Election Judge Kit for Election Day	$35.00	14	$245.00
	Polling Location Map(s)	$17.00	20	$340.00
	100 Sample ballots provided. Additional Copies of Sample Ballots @ $0.20 each.	$0.20	500	$100.00
			Total Supplies Charges	$2,165.00
6.04	**Mail & Ballot Service**	**Price**	**Quantity**	**Total**
	Mail-in-Ballot Applications	$0.25	300	$75.00
	Paper Ballots for Mail-in-Ballots and Provisionals	$0.40	4500	$1,800.00
	Mail-in-Ballots Kit(s) per request	$2.00	300	$600.00
	Postage Mail-in-Ballots (per request)	$0.61	300	$183.00
	Correspondence Postage	$0.46	14	6.44
			Total Mail & Ballot Service Charges	$2,664.44
6.05	**Advertisements/Notices**	**Price**	**Quantity**	**Total**
	The Monitor newspaper	$1,800.00	1	$1,800.00
	Local newspaper		0	$0.00
			Total Advertisement/Notice Charges	$1,800.00
6.06	**Polling Location Rental Fees**	**Price**	**Quantity**	**Total**
			0	$0.00
			Total Polling Location Rental Charges	$0.00
6.07	**Payroll for Training and Election Poll Workers**	**Price**		**Total**
	*Payroll for Early Voting Employees	$41,310.00		$20,655.00
	*Payroll for Election Day Employees	$11,669.00		$5,834.50
			Total Payroll Charges	$26,489.50
6.08	**Payroll for Ballot Board**	**Price**	**Quantity**	**Total**
	Ballot Board	$250.00	1	$250.00
			Total Ballot Board Charges	$250.00
6.09	**Canvass Reports**	**Price**	**Quantity**	**Total**
	Canvass Report (One Certified Copy Included)	$0.00	1	$0.00
	Additional Canvass Reports	$0.00	0	$0.00
			Total Canvass Report Charges	$0.00
6.10	**Insurance**	**Hourly rate**	**Workers**	**Hours wrk**	**Total**
	Liability insurance for Early Voting Supervisors	$ 9.00	6	840	$90.72
	(hourly rate X workers X hrs worked X 0.002)				
	Liability insurance for Early Voting Clerks	$ 8.00	30	4200	$2,016.00
	(hourly rate X workers X hrs worked X 0.002)				
	Liability insurance for Election Day Presiding Judges	$ 9.00	14	231	$58.21
	(hourly rate X workers X hrs worked X 0.002)				
	Liability insurance for Election Day Alternate/Clerks	$ 8.00	70	1155	$1,293.60
	(hourly rate X workers X hrs worked X 0.002)				
				Total Insurance Charges	$3,458.53
6.11	**Cell Phones**	**Price**	**Quantity**	**Total**
	Verizon Wireless phone	$17.52	14	$245.28
			Total Cell Phone Charges	$245.28
6.12			Subtotal	$52,649.34
			Administrative Fees (10%)	$5,264.93
	*Shared cost with County		ESTIMATED GRAND TOTAL	$57,914.27

AI-41243 **Head Start 12. A.**

CC REGULAR

Meeting Date: 10/22/2013

Submitted For: Teresa Flores **Submitted By:** Linda Galaviz, HEAD START

Department: HEAD START

Information

CAPTION

Discussion, Approval and Appointment of One (1) Community Representative by Each Member of the Commissioners' Court to Serve on the Hidalgo County Head Start Program Policy Council, for a One (1) Year Term According to 45 CFR Chapter XIII, 1304.50(b)(1)-(b)(7) Beginning October 2013 (Commissioner Hector "Tito" Palacios)

BACKGROUND

Attachments

Community Representative

Form Review

Inbox	Reviewed By	Date
Budget & Management	Obdett Calzada	10/15/2013 04:27 PM
Purchasing Department	Monica Badillo	10/18/2013 04:51 PM

Form Started By: Linda Galaviz Started On: 10/15/2013 11:00 AM

Final Approval Date: 10/18/2013

Performance Standard 1304.50(b)(1) — (b)(7)

(b) Policy group composition and formation.

(1) Each grantee and delegate agency governing body operating an Early Head Start or Head Start program must (except where such authority is ceded to the Policy Council or Policy Committee) propose, within the framework of these regulations, the total size of their respective policy groups (based on the number of centers, classrooms, or other program option units, and the number of children served by their Early Head Start or Head Start program), the procedures for the election of parent members, and the procedure for the selection of community representatives. These proposals must be approved by the Policy Council or Policy Committee.

(2) Policy Councils and Policy Committees must be comprised of two types of representatives: parents of currently enrolled children and community representatives. At least 51 percent of the members of these policy groups must be the parents of currently enrolled children (see 45 CFR 1306.3(h) for a definition of a Head Start parent).

(continued, next page...)

Rationale: Established procedures for electing parent members and selecting community representatives ensure consistency and fairness in the selection of policy group members. It is essential that families receiving services play an active role in making decisions about such services, and that the Head Start program reflects the community as a whole. *This rationale serves 45 CFR 1304.50(b)(1)-(7).*

Guidance: The following are suggestions for the governing body and policy group review of procedures for parent elections:

- Inform all parents of their vital role in program governance;
- Ensure that there is a fair method of nomination, either by parents nominating themselves or by other parents nominating them; nominations should be placed only with the consent of the nominee;
- Provide proportionate representation to parents in all program options and settings. If agencies operate programs serving different geographical regions or ethnic groups, to adopt policies to ensure that all groups being served will have an equal opportunity to serve on policy groups; and
- Consider using Parent Committees to facilitate the process of nominating and electing parents to the Policy Council or Policy Committee.

Parents are involved in every step of the process for selecting community representatives. Parents may be involved, for example, in discussions of the issues of interest and the types of community representatives needed in the coming year, as well as in developing methods for soliciting and screening potential candidates.

When nominating parent members or selecting community representatives to policy groups, consider:

- The willingness and ability of the potential members to contribute time and effort to the program and to serve as mentors and role models, as well as resource persons;
- The diversity of the group of individuals nominated, with consideration being given to the programs or program options in which the children of nominees are enrolled;
- The agency's goals and the information generated by the Community Assessment; and
- The desirability of having representation from the governing body to the policy group, in order to improve communication between the two groups.

Performance Standard 1304.50(b)(1) — (b)(7) (continued...)

(3) Community representatives must be drawn from the local community: businesses; public or private community, civic, and professional organizations; and others who are familiar with resources and services for low-income children and families, including, for example, the parents of formerly enrolled children.

(4) All parent members of Policy Councils or Policy Committees must stand for election or re-election annually. All community representatives also must be selected annually.

(5) Policy Councils and Policy Committees must limit the number of one-year terms any individual may serve on either body to a combined total of three terms.

(6) No grantee or delegate agency staff (or members of their immediate families) may serve on Policy Councils or Policy Committees except parents who occasionally substitute for regular Early Head Start or Head Start staff. In the case of Tribal grantees, this exclusion applies only to Tribal staff who work in areas directly related to or which directly impact upon any Early Head Start or Head Start administrative, fiscal or programmatic issues.

(coninued, next page...)

Agencies and policy groups establish procedures for monitoring the three-year limit for both parents and community representatives. Agencies also develop volunteer opportunities that allow former policy group members to use their skills and experience to support program activities and operations. If agencies view and present the opportunity of serving on policy groups as a time to learn new skills and to gain self-confidence in a supportive environment, parents will understand the value of leaving a policy group after a few years, and of moving into other leadership roles in school organizations and in the larger community.

Personnel policies and bylaws address potential conflicts of interest between agency employment and membership on a Policy Council or Policy Committee. For example, agencies may consider developing policies that define "occasional substitute" and that determine at what point in the hiring process a candidate for a Head Start position must resign his or her membership from a policy group, that is, upon application or upon hiring.

AI-41297 **Auditor's Office 13. A.**

CC REGULAR

Meeting Date: 10/22/2013

Submitted By: Maria Medina, AUDITOR'S OFFICE

Department: AUDITOR'S OFFICE

Information

CAPTION

Discussion, consideration, and approval for the County Auditor's Office to conduct an audit of the Chapter 59 Asset Forfeiture Report prepared by the Hidalgo County District Attorney's Office for fiscal year 2013 pursuant to the Chapter 59 Asset Forfeiture Report requirements.

BACKGROUND

Code of Criminal Procedures section 59.06(g)(1) requires all law enforcement agencies and attorneys representing the state who receive proceeds or property under this chapter to account for the seizure, forfeiture, receipt, and specific expenditure of all the proceeds and property in an audit, which is to be performed annually by the commissioners court.

The audit must be completed on a form provided by the attorney general and must include a detailed report and explanation of all expenditures, including salaries and overtime pay, officer training, investigative equipment and supplies, and other items. Certified copies of the audit shall be delivered by the law enforcement agency or attorney representing the state to the attorney general not later than the 60th day after the date on which the annual period that is the subject of the audit ends.

Form Review

Inbox	Reviewed By	Date
Budget & Management	Obdett Calzada	10/17/2013 08:23 AM
Manuel Chapa	Manuel Chapa	10/17/2013 10:05 AM
Purchasing Department	Monica Badillo	10/18/2013 04:51 PM

Form Started By: Maria Medina Started On: 10/16/2013

Final Approval Date: 10/18/2013

AI-41273 **Precinct #2 14. A.**

CC REGULAR

Meeting Date: 10/22/2013

Submitted For: Agapito Vargas **Submitted By:** Yolanda Cisneros, COMM. PCT. #2

Department: COMM. PCT. #2

Information

CAPTION

Requesting acceptance and approval of Work Authorization No.7 (with estimated cost of #17,569.50) as submitted by Millennium Engineers Group, Inc (Contract #C-13-185-06-18) for Construction Material Engineering Services for Border Road (Ridge - El Gato Rd) Project.

BACKGROUND

Fiscal Impact

FISCAL YEAR: 2013 **ACCT. #:** 3-1200-431-00-122-063-0-731

FUNDS AVAILABLE Y/N?: Y **MATCHING FUNDS Y/N?:** N

BUDGETARY IMPACT:

Funding available through Requisition# 245616 as of 10/16/13 in the amount of $17,569.50 for Millennium Engineers.

Attachments

WA #7

Form Review

Inbox	Reviewed By	Date
Budget & Management	Obdett Calzada	10/16/2013 04:29 PM
Glinda Pacheco	Glinda Pacheco	10/17/2013 01:27 PM
Purchasing Department	Monica Badillo	10/18/2013 04:51 PM

Form Started By: Yolanda Cisneros Started On: 10/16/2013 01:20 PM

Final Approval Date: 10/18/2013

HIDALGO COUNTY

Professional Engineering Services
Contract # C-13-185-06-18
Work Authorization Form

WORK AUTHORIZATION NO. 7

THIS WORK AUTHORIZATION is made pursuant to the terms and conditions of Section I.A. of the Agreement made by and between **HIDALGO COUNTY**, action herein by and through the **Commissioner's Court**, hereinafter called the "**Owner**," and, **Millennium Engineers Group, Inc.**, professional engineers of Edinburg, Texas, hereinafter called "**Engineer**".

PART 1. SCOPE OF WORK

The purpose of this Work Authorization is for the **Engineer** to provide

Construction Materials Engineering Services for the Border Road Improvements (Ridge Road to El Gato Road) project.

The scope of services to be provided by the **Owner** is identified in ***EXHIBIT "A" – Scope of Services to be Provided by the Owner*** attached hereto.

The scope of services to be provided by the **Engineer** is identified in ***EXHIBIT "B" – Scope of Services to be Provided by the Engineer*** attached hereto.

PART 2. ESTIMATED COST

The estimated cost for services under this Work Authorization is $**17,569.50**
This amount is based upon the costs outlined in the Estimated **Cost Proposal** attached hereto as **EXHIBIT "D".**

PART 3. PAYMENT

Compensation and payment to the Engineer for the services established under this Work Authorization shall be made in accordance with **Article**/Part/Section____ of the Agreement.

PART 4. FUNDING

This Work Authorization No. 7 shall be funded through funding source:
Account No. 3-1200-431-00-122-063-0-731
Requisition Number #245616 **(MUST BE INCLUDED AFTER CC APPROVAL)**

PART 5. PERIOD OF SERVICE

This Work Authorization shall become effective on the date of final acceptance of the parties hereto, and terminate upon completion of scopes of the work authorization.

PART 6. RESPONSIBILITIES AND OBLIGATIONS

This Authorization does not waive the parties' responsibilities and obligations provided under the **Agreement**.

PART 7. ACKNOWLEDGEMENT AND CONFIRMATION

Acknowledgement and confirmation by **Hidalgo County** _____, Commissioner Hector Palacios as to content and detail of this **Work Authorization No.** 7

HIDALGO COUNTY

BY: Commissioner Hector Palacios

_____

PART 8. ACCEPTANCE AND APPROVAL

This Work Authorization is hereby accepted, approved by Hidalgo County Commissioners' Court on _____ as indicated below and effective as of ____ day of _____, 2013.

THE ENGINEER:

_____
By: Raul Palma, President

THE OWNER:
HIDALGO COUNTY

_____
By: Ramon Garcia, County Judge

ATTEST:

_____
By: Arturo Guajardo, Jr., County Clerk

LIST OF ATTACHMENTS

ATTACHMENT "A" - Services to be Provided by the Owner
ATTACHMENT "B" - Services to be Provided by the Engineer
ATTACHMENT "C" - Work Schedule
ATTACHMENT "D" - Cost Proposal

ATTACHMENT "A"

Services To Be Provided By The Owner

EXHIBIT "A"
SERVICES TO BE PROVIDED BY THE OWNER/COUNTY

The following provides an outline of the services to be provided by the **Owner** in the development of **Projects** (as defined and more particularly indentified in **EXHIBIT "B"** attached to this Agreement).

General

The Owner will provide to the **Engineer** the following:

(1) Provide the authorization to proceed with services through coordination with the project consulting and design Engineer.

(2) Payment for work performed by the **Engineer** and accepted by the **Owner** in accordance with Article 3 of this Agreement.

(3) Assistance to the **Engineer**, as necessary, to obtain the required data and information from other local, regional, State and Federal agencies that the **Engineer** cannot easily obtain.

(4) Provide any available relevant data the **Owner** may have on file concerning the projects.

(5) Provide timely review and decisions in response to the **Engineer's** request for information and/or required submittals and deliverables, in order for the **Engineer** to maintain the work schedule agreed upon.

(6) Attend and participate in progress meetings as required and as coordinated and conducted by the **Engineer**.

(7) Provide the authorization to proceed with services on project by project basis through consulting design and construction engineer.

ATTACHMENT "B"

Services To Be Provided By The Engineer

Exhibit "B"

Services to be Provided by Laboratory

The services to be provided by the LABORATORY in providing Geotechnical Laboratory Services, Construction Materials Testing Services, Construction Observation Services and Environmental Services for Hidalgo County Precinct No. 2 Projects, **"ON A AS NEEDED BASIS"** and projects is as follows:

A. Preliminary Phase:

(1) Attend preliminary conferences with the OWNER and, if requested, with the funding agency and other government agencies or interested parties regarding the Project.
(2) Provide for the necessary geotechnical investigation and testing necessary to develop the design.
(3) Provide environmental studies as may be necessary to complete a project.
(4) Provide assistance to the OWNER in providing material requirements and specifications for design, construction and maintenance projects.
(5) Provide assistance to the OWNER in providing pavement design recommendations for the design, construction and maintenance projects.
(6) Provide assistance to the OWNER in providing pavement rehabilitation recommendations for the design, and maintenance projects.
(7) Provide assistance to the OWNER in providing pavement condition studies.

B. Design Phase:

(1) Attend the OWNER'S and respective Party's meeting as requested for the purpose of explaining geotechnical investigation report recommendations and preliminary testing results and their impact to proposed design activities.
(2) Perform any additional geotechnical investigations, testing and environmental studies necessary to collect information required in the design of the Project.
(3) Provide assistance to the OWNER in providing material requirements and specification for design, construction and maintenance projects.
(4) Provide assistance to the OWNER in providing pavement design recommendations for the design, construction and maintenance projects.
(5) Provide assistance to the OWNER in providing pavement rehabilitation recommendations for the design, construction and maintenance projects.
(6) Provide assistance to the OWNER in providing pavement condition studies.
(7) Furnish the OWNER all necessary reports for preliminary design, design, construction and maintenance projects.

C. Construction/Maintenance Phase:

(1) Attend the OWNER'S and respective Party's pre-construction and construction meetings as requested for the purpose of explaining geotechnical investigation report recommendation and preliminary testing results and their impact to proposed construction activities and establish coordination and lines of communication for proposed construction materials testing during construction activities.
(2) Consult and advise with the OWNER during construction.

(3) Provide construction materials testing for construction and maintenance projects as required by the project plans and specifications and/or specified by the project design engineer.
(4) Review all material designs as requested by the OWNER and/or project design engineer.
(5) Furnish the OWNER all necessary reports for construction and maintenance projects.
(6) Provide construction inspection services as requested by the OWNER on construction and maintenance projects.

D. Miscellaneous/Other:

(1) Act for OWNER in professional manner, using that degree of care and skill ordinarily exercised by and consistent with the standards of the profession.
(2) Perform all technical services under the general direction of a Licensed Professional Laboratory in the State of Texas and in substantial accordance with the basic requirements of the appropriate Standards of the American Society of Testing and Materials, where applicable, or other standards designated by County.
(3) Employ testing machines which have been calibrated within a period not exceeding twelve (12) months from the time of use by devised of accuracy traceable to the National Institute of Standards and Technology (NIST) of the United States Department of Commerce, and, upon request, submit to the OWNER or its authorized representative documentation of such calibration.
(4) Promptly submit formal construction materials testing reports for all tests, observations, and services performed indicating where applicable, compliance with OWNER specifications or other documents. Such reports shall be completed and factual, citing the tests performed, methods employed, values obtained, parts of the structure and location at which the tests were made.
(5) The plans and specifications prepared under this Agreement shall become the property of the OWNER upon completion of the work and payment in full of all monies due to the Laboratory.
(6) Retain all pertinent records relating to the services performed for a period of five (5) years following submission of all reports, during which period the records will be made available to the Owner within a reasonable time.

NOTE: Change in and/or additional services to Scope will require prior approval from OWNER prior to undertaking.

ATTACHMENT "C"

Work Schedule

ATTACHMENT "C"

Work Schedule

Millennium Engineers Group, Inc. will go out to site on an as-needed basis to perform testing services. Services will be provided as requested by project personnel. A 24-hour notice will be required from project personnel.

ATTACHMENT "D"

Cost Proposal

Millennium Engineers Group
MEG ENGINEERS
Consultants - Geotechnical - Testing

Proposal

Date	Proposal No.
10/16/2013	1001-1013

Millennium Engineers Group, Inc.

PO Box 4569, Edinburg, Texas 78540-4569

Name / Address	Project Name
Commissioner Hector Palacios Hidalgo County Precinct 2 300 West Hall Acres Suite G. Pharr, Texas 78577	Border Road Improvements

Description	Qty	Cost	Total
Atterberg Limits (each test)	7	61.00	427.00
Gradation	3	55.00	165.00
Wet Ball Mill (each test)	3	185.00	555.00
Moisture Density Relationship-Standard Proctor (each test)	6	185.00	1,110.00
Nuclear Density Test - Soils (each test)	54	22.00	1,188.00
Coring Rig (per day)	3	75.00	225.00
Extraction of Bituminous Mixture, Percent Asphalt & Gradation (each test)	6	225.00	1,350.00
Thickness of Cores (each specimen)	24	60.00	1,440.00
Theoretical Maximum Specific Gravity of Mixtures (each test)	3	60.00	180.00
Nuclear Density Test - Asphalt (each test)	18	22.00	396.00
Asphalt Core Density (each specimen)	24	40.00	960.00
Engr. Technician (Soils) (per hour)	75	41.00	3,075.00
Engr. Technician (Asphalt)(per hour)	39	44.00	1,716.00
Vehicle Trip Charge (per trip) (soil)	31	37.00	1,147.00
Vehicle Trip Charge (per trip) (asphalt)	7	37.00	259.00
Project Management (per hour)	9.5	67.00	636.50
Project Engineer (per hour)	8	105.00	840.00
Clerical/Administrative (per hour)	19	40.00	760.00
Test Report (each)	38	30.00	1,140.00

Innovative. Experienced. Professional.

Total $17,569.50

Phone # (956) 383-8522 Fax # (956) 383-0295 meg@megengineers.com

AI-41178 **Budget and Management 15. A.**

CC REGULAR

Meeting Date: 10/22/2013

Submitted By: Rolando Garcia, BUDGET & MANAGEMENT

Department: BUDGET & MANAGEMENT

Information

CAPTION

1. Status update regarding the Delinquent Fees and Fines Program

2. Discussion, consideration and approval to impose a $20.00 Scofflaw fee to District Courts and County Courts at Law cases with outstanding balances over (90) days.

BACKGROUND

Attachments

Transportation Code

Form Review

Inbox	Reviewed By	Date
Roland Garcia (Originator)	Rolando Garcia	10/18/2013 03:40 PM
Budget & Management	Obdett Calzada	10/18/2013 03:44 PM
Purchasing Department	Monica Badillo	10/18/2013 04:51 PM

Form Started By: Rolando Garcia Started On: 10/10/2013 10:21 AM

Final Approval Date: 10/18/2013

Sec. 502.010. COUNTY SCOFFLAW. (a) A county assessor-collector or the department may refuse to register a motor vehicle if the assessor-collector or the department receives information that the owner of the vehicle:

(1) owes the county money for a fine, fee, or tax that is past due; or

(2) failed to appear in connection with a complaint, citation, information, or indictment in a court in the county in which a criminal proceeding is pending against the owner.

(b) A county may contract with the department to provide information to the department necessary to make a determination under Subsection (a).

(c) A county that has a contract under Subsection (b) shall notify the department regarding a person for whom the county assessor-collector or the department has refused to register a motor vehicle on:

(1) the person's payment or other means of discharge of the past due fine, fee, or tax; or

(2) perfection of an appeal of the case contesting payment of the fine, fee, or tax.

(d) After notice is received under Subsection (c), the county assessor-collector or the department may not refuse to register the motor vehicle under Subsection (a).

(e) A contract under Subsection (b) must be entered into in accordance with Chapter 791, Government Code, and is subject to the ability of the parties to provide or pay for the services required under the contract.

Text of subsection as amended by Acts 2011, 82nd Leg., R.S., Ch. 1094, Sec. 1

(f) A county that has a contract under Subsection (b) may impose an additional fee of $20 to:

(1) a person who fails to pay a fine, fee, or tax to the county by the date on which the fine, fee, or tax is due; or

(2) a person who fails to appear in connection with a complaint, citation, information, or indictment in a court in which a criminal proceeding is pending against the owner.

Text of subsection as amended by Acts 2011, 82nd Leg., R.S., Ch. 1296, Sec. 76

(f) A county that has a contract under Subsection (b) may impose an additional fee to a person paying a fine, fee, or tax to the county after it is past due. The additional fee may be used only to reimburse the department or the county for its expenses for providing services under the contract.

(f-1) The additional fee may be used only to reimburse the department or the county assessor-collector for its expenses for providing services under the contract, or another county department for expenses related to services under the contract.

(g) In this section:

(1) a fine, fee, or tax is considered past due if it is unpaid 90 or more days after the date it is due; and

(2) registration of a motor vehicle includes renewal of the registration of the vehicle.

(h) This section does not apply to the registration of a motor vehicle under Section 501.0234, unless the vehicle is titled and registered in the name of a person who holds a general distinguishing number.

Added by Acts 1997, 75th Leg., ch. 192, Sec. 1, eff. Sept. 1, 1997. Amended by Acts 1999, 76th Leg., ch. 97, Sec. 1, eff. May 17, 1999.

Amended by:

Acts 2011, 82nd Leg., R.S., Ch. 1094, Sec. 1, eff. September 1, 2011.

Transferred, redesignated and amended from Transportation Code, Section 502.185 by Acts 2011, 82nd Leg., R.S., Ch. 1296, Sec. 76, eff. January 1, 2012.

AI-41327 **Budget and Management 15. B. 1.**

CC REGULAR

Meeting Date: 10/22/2013

Submitted By: Rolando Garcia, BUDGET & MANAGEMENT

Department: BUDGET & MANAGEMENT

Information

CAPTION

A. Approval of certification of revenues, as certified by the County Auditor, for proceeds from the Raymondville Drainage project to Hidalgo County DD No.1

B. Approval of 2013 appropriation of funds in the amount of $872,800.00, for WA#1 for Mile 3 (FM492 to FM 2221) project.

BACKGROUND

Fiscal Impact

FISCAL YEAR: 2013 **ACCT. #:** 3-1303-431-00-123-051-0-XXX

FUNDS AVAILABLE Y/N?: **MATCHING FUNDS Y/N?:**

BUDGETARY IMPACT:

Appropriation in the amount of $872,800.00

Attachments

Appropriation

Form Review

Inbox	Reviewed By	Date
Budget & Management	Obdett Calzada	10/18/2013 03:18 PM
Purchasing Department	Monica Badillo	10/18/2013 04:51 PM

Form Started By: Rolando Garcia Started On: 10/18/2013 10:32 AM

Final Approval Date: 10/18/2013

DATE: October 22, 2013

DEPARTMENT HEAD: Sergio Cruz, Budget Officer

DEPARTMENT NAME: Pct. No.3 Mile 3 Road Project

ACCOUNT NUMBER: 3-1303-392-00-000-001-0-000

Contact Person: Rolando Garcia **Ph#** 956-292-7025 x.5413

2013
Appropriation

SUBJECT: **Budget Amendments** (increase (decrease)) in accordance with Local Government Code, Chapter 111, § 111.070, Item C (2).

Honorable Commissioners' Court of Hidalgo County:

I would like to request the following Budget Amendments (increase (decrease)) in accordance with Local Government Code, Chapter 111, § 111.070, Item C (2).

INCREASE ACCOUNT NUMBER(S)	ACCOUNT (OBJECT) NAME	AMOUNT
3-1303-431-00-123-051-0-731	SOA-1341-PCT3 MILE3(FM492-FM2221)-ROADS	589,140.00
3-1303-431-00-123-051-0-841	SOA-1341-PCT3 MILE3(FM492-FM2221)-AID TO	283,660.00
3-1303-392-00-000-001-0-000	SALE OF CO ASSETS-C.O1341-SALE OF CAPITA	872,800.00
TOTAL BUDGET INCREASE (DECREASE)		872,800.00

REASON: Appropriation from the Sale of Assets Raymondvill Drainage Project for Mile 3 (FM492-FM 2221) road project.

DEPARTMENT HEAD SIGNATURE

APPROVED COMMISSIONERS' COURT

/ /
DATE

ATTEST COUNTY CLERK

AI-41275 **Budget and Management 15. B. 2.**

CC REGULAR

Meeting Date: 10/22/2013

Submitted For: Precinct No.4 **Submitted By:** Rolando Garcia, BUDGET & MANAGEMENT

Department: BUDGET & MANAGEMENT

Information

CAPTION

A. Approval of certification of revenues, as certified by the County Auditor, for proceeds from the sale of assets to Hidalgo County DD No.1

B. Approval of 2013 appropriation of funds in the total amount of $338,950.03 for the building renovation/repairs to Restitution Center on 1124 M Road in Edinburg, Texas.

BACKGROUND

Fiscal Impact

FISCAL YEAR: 2013 **ACCT. #:** 3-1303-392-00-000-000-0-000

FUNDS AVAILABLE Y/N?: Y **MATCHING FUNDS Y/N?:**

BUDGETARY IMPACT:

*Refer to AI-41224

Attachments

Appropriation

Form Review

Inbox	Reviewed By	Date
Roland Garcia (Originator)	Rolando Garcia	10/18/2013 11:46 AM
Budget & Management	Obdett Calzada	10/18/2013 02:06 PM
Obdett Calzada	Obdett Calzada	10/18/2013 03:38 PM
Purchasing Department	Monica Badillo	10/18/2013 04:51 PM

Form Started By: Rolando Garcia Started On: 10/16/2013 02:00 PM

Final Approval Date: 10/18/2013

DATE: October 16, 2013

DEPARTMENT HEAD: Sergio Cruz, Budget Officer

DEPARTMENT NAME: Pct. No.4 - Restitution M Road Renovations

ACCOUNT NUMBER: 3-1303-392-00-000-000-0-000

Contact Person: Rolando Garcia **Ph#** 956-292-7025 x.5413

2013
Appropriation

SUBJECT: **Budget Amendments** (increase (decrease)) in accordance with Local Government Code, Chapter 111, § 111.070, Item C (2).

Honorable Commissioners' Court of Hidalgo County:

I would like to request the following Budget Amendments (increase (decrease)) in accordance with Local Government Code, Chapter 111, § 111.070, Item C (2).

INCREASE ACCOUNT NUMBER(S)	ACCOUNT (OBJECT) NAME	AMOUNT
3-1303-419-40-124-125-0-452	SOA1342-RESTITUTION-1124 M RD-BLDG ADD	338,950.30
3-1303-392-00-000-002-0-000	SALE OF ASSETS-CO1342-SALE OF CAP ASSET	338,950.03
	TOTAL BUDGET INCREASE (DECREASE)	338,950.30

REASON: Appropriation from the Sale of Assets (Dickerson/Aguilar Ponds) for Building Renovations/Repairs to Restitution Center at 1124 M Road in Edinburg, Texas.

DEPARTMENT HEAD SIGNATURE

APPROVED COMMISSIONERS' COURT

/ /
DATE

ATTEST COUNTY CLERK

AI-41252 **Budget and Management 15. B. 3.**

CC REGULAR

Meeting Date: 10/22/2013

Submitted By: Rolando Garcia, BUDGET & MANAGEMENT

Department: BUDGET & MANAGEMENT

Information

CAPTION

Pct.4 Linn San Manuel Emergency Facility:
A. Approval of Certification of Revenues as certified by the County Auditor for the proceeds from the sale of land, also referred to the Aguilar and Dickerson Ponds to the Hidalgo County DD NO.1.

B. Approval of 2013 appropriation of funds in the total amount of $78,000.00

BACKGROUND

Fiscal Impact

FISCAL YEAR: 2013 **ACCT. #:** 3-1303-419-40-124-136-0-720

FUNDS AVAILABLE Y/N?: Y **MATCHING FUNDS Y/N?:** N

BUDGETARY IMPACT:

*funding for Architectual Services for the project

Attachments

Appropriation

Form Review

Inbox	Reviewed By	Date
Roland Garcia (Originator)	Rolando Garcia	10/18/2013 11:46 AM
Budget & Management	Obdett Calzada	10/18/2013 02:03 PM
Glinda Pacheco	Glinda Pacheco	10/18/2013 04:12 PM
Purchasing Department	Monica Badillo	10/18/2013 04:51 PM

Form Started By: Rolando Garcia Started On: 10/15/2013 01:21 PM

Final Approval Date: 10/18/2013

DATE: September 27, 2013

2013
Appropriation

DEPARTMENT HEAD: Sergio Cruz

DEPARTMENT NAME: Department of Budget&Managament
for Pct4 Linn-San Manuel Emergency Services Facility

ACCOUNT NUMBER: 3-1303-419-40-124-136-0-720

Contact Person: Rolando Garcia **Ph#** 956-292-7025 x.5761

SUBJECT: **Budget Amendments** (increase (decrease)) in accordance with Local Government Code, Chapter 111, § 111.070, Item C (2).

Honorable Commissioners' Court of Hidalgo County:

I would like to request the following Budget Amendments (increase (decrease)) in accordance with Local Government Code, Chapter 111, § 111.070, Item C (2).

INCREASE ACCOUNT NUMBER(S)	ACCOUNT (OBJECT) NAME	AMOUNT
3-1303-419-40-124-136-0-720	Pct4 LINN-SAN MANUEL EMERG SERVICE FACIL	78,000.00
3-1303-392-00-000-002-0-000	SALE OF CO ASSETS-C.O1342-SALE OF CAPITA	78,000.00
	TOTAL BUDGET INCREASE (DECREASE)	$ 78,000.00

REASON: Appropriation of monies from the Sale of Assets (Dickerson/Aguilar) for the Linn-San Manuel Fire Station project for architectual Services as per AI-40857 CC 10/02/13.

DEPARTMENT HEAD SIGNATURE

APPROVED COMMISSIONERS' COURT

/ /
DATE

ATTEST COUNTY CLERK

AI-41173 **Purchasing Department 16. A. 1.**

CC REGULAR

Meeting Date: 10/22/2013

Submitted For: Martha L. Salazar Submitted By: Roy Garcia, PURCHASING DEPT.

Department: PURCHASING DEPT.

Information

CAPTION

A. Requesting approval to declare the items listed in Exhibit "A" (office furniture, equipment and vehicles) attached herein as surplus for the purpose of sale through auction (scheduled for 11-06-2013) in accordance with Texas Local Government Code 263.152 (a)(1), and, in the event "no bids" received;
B. Pursuant to Texas Local Government Code, 263.151(1) and/or 263.152(a)(3), Commissioners Court proceed to:'...order any of the property to be destroyed or otherwise disposed of as worthless in as much as the sale of said items CC undertook to sell (under Subdivision (1) at auction on 11-06-2013 resulted in no bids were received;
C. Requesting authority to publish advertisment for the auction of surplus equipment and vehicles scheduled for 11-06-2013, including but not limited to Seized, Abandoned and Unclaimed Property or additional and/or necessary auctions.

BACKGROUND

An inventory was conducted at the auctioneer's premises and found several items broken, weathered, and/or obsolete. The assets have no value to the County due to their condition.

Fiscal Impact

FISCAL YEAR: ACCT. #:

FUNDS AVAILABLE Y/N?: MATCHING FUNDS Y/N?:

BUDGETARY IMPACT:

No budgetary impact.

Attachments

Exhibit A

Code

Form Review

Inbox	Reviewed By	Date
Purchasing Department	Darlene Betancourt	10/10/2013 08:18 AM
Budget & Management	Obdett Calzada	10/10/2013 02:04 PM
Obdett Calzada	Obdett Calzada	10/17/2013 02:31 PM
Auditor's Office	Monica Badillo	10/18/2013 04:51 PM

Form Started By: Roy Garcia Started On: 10/09/2013 05:02 PM

Final Approval Date: 10/18/2013

Auction List for November 06 2014

Asset Number	Description
13-1049	Metal Desk
20767	Desk
13-1010	Desk W/ Cabinet
13-0297	Broken Shelves
13-0153	Small Desk
13-0077	Broken Shelf
13-0082	Box of Table Parts
13-1012	Long Reception Table
13-0148	Small Desk
ME001323	Dark Brown Desk
20541	Brown Desk
13-0147	Return
27405	Light Wood Desk
21830	Oak Desk
17235	Bench
13-0083	Bench
29962	Desk
13-1013	Oak Desk
13-0150	Computer Desk
12-1362	Black Hutch W/Light
13-0039	Hutch W/Lamp
13-0297	Cabinet
13-0080	Letter Shelves
35738	Shelves
13-1014	Return
13-1015	Table Top
13-0297	Desk
34214	Desk W/Hutch
13-1016	Shelf
13-1017	Hutch W/Lamp
13-0042	Shelf
13-0006	Fire Ext. Boxes
13-0241	Rolling Desk
32613	Desk
13-1018	Desk
13-1019	Rolling Shelf
13-1020	Server Rack
23502	Lockers
23503	Lockers
13-1021	Rolling Desk
13-1022	Shelf
13-1023	Work Station
10141	Desk

13-0896	Marble Recpetion Desk
13-0387	Wooden Shelves
32986	Leather Burgundy Couch
15956	Green Couch
26831	Metal Desk
28022	Metal Desk
13-0159	Wall Letter Shelf
13-0893	Shelve Island Cabinet
13-0813	Cabinet
AD0410-073	Desk (Reception)
13-1024	Small Desk
AD0410-071	Reception Desk
13-0506	Folding Table
12-0462	Broken Table
13-1025	Broken Desk
26862	Metal Desk
26955	Desk
28207	Desk
13-1026	Broken Desk
12-1310	Shelf
13-1027	Small Desk
20954	Hutch
13-1028	Return
26671	Rolling Desk
13-1029	Medical Chair
13-0239	Rolling Filling Cabinet
13-1030	Rolling Desk
13-1031	Rolling Printer Stand
ME001129	Desk
22122	Metal Desk
13-1032	Blueish Rolling Shelf
13-1033	Small Table
37405	Metal Desk
13-1034	Shelf
13-1035	Letter Shelf
26814	Metal Desk
13-1036	Gray Shelves
13-1037	Hutch W/Cabinets
33299	Long Desk
13-0818	Half/Broken Desk
AD0410-065	Long Table Expandable Printer Table
13-1038	Letter Shelf
13-0158	Letter Shelf
13-0160	Cuved Desk
AD0410-067	Broken Table
AD410-066	Cabinet
13-1039	Cabinet

13-0814	Cabinet
13-1040	Cabinet
13-0807	Cabinet
13-0820	Cainet
13-0816	Long Cabinet
AD0410-062	Cabinet
13-0812	Cabinet
13-0817	Cabinet
13-0809	Cabinet
10134	Desk/Return
13-0859	TV Cabinet
13-1041	Half Broken Desk
13-1042	End Table
13-1043	Cabinet
AD0410-079	Return
13-1044	Half a Desk
AD0410-065	Shelf
AD0410-053	Hutch
AD0410-054	Hutch
13-1045	Hutch
ME001075	Desk
24353	Desk
11-0963	Return
11-0967	Cherry Wood Desk
13-0919	Return
13-0857	Lateral Cabinet
13-0856	Stand
AD0410-076	Recpetion Desk
13-0884	REturn
13-0821	Cabinet
13-1046	Return/Desk
AD0410-075	Recpetion Desk
23679	Desk
29421	Desk
16257	Desk
16000	Table Top
20571	Desk
13-0894	Table Top
13-080	Table Top
13-1047	Shelves
13-0810	Cabinet
19111	Desk
13-0835	Return
12-0464	Desk
13-1048	Cabinet
13-0777	Table Top
13-1049	Desk

13-0826	Smal Return	
13-0075	Table Top	
AD0410-066	Table /Shelves	
13-0817	Half Return	
AD0410-072	Recption Desk	
13-0798	Brown Hutch	
13-1050	Shelf	
13-0822	Cabinet	
13-0829	Cabinet	
13-0823	Cabinet	
AD0410-078	Cabinet	
13-0830	Table	
AD0410-074	Cabinet	
AD0410-073	Reception Desk	
13-0831	Shelf	
32444	Cabinet	
AD040-068	Desk	
13-0825	Table Half	
13-0879	Table Half	
C-2860-12-A	1984 Cessna Fixed Wing Aircraft	172RG1164
C-1161-13-F	2008 Jeep Liberty	1J8GN28K18W215454
C-1528-05-E	2003 INFINITI	JNRAS08U83X001768
C-3613-12-D	1995 Ford F-350 Truck	1FDHF37H4SEA75879
C-3270-12-J	1997 GMC YUKON	1GKEK13R9VJ740295
33989	2000 Crown Victoria	2FAFP71W3YX113655
TF# 2012-0211	2000 Chevrolet Malibu	1G1NE52J8Y6349208
TF#2013-0060	1998 GMC Sierra	2GTEC19R1W1508317
00001028	1992 GMC Pick Up	1GTDC14H6NZ521743
2013-246	1999 Freightliner Trctor	1FUYD5EB1XDA41442

SUBCHAPTER D. DISPOSITION OF SALVAGE OR SURPLUS PROPERTY

Sec. 263.151. DEFINITIONS. In this subchapter:

(1) "Salvage property" means personal property, other than items routinely discarded as waste, that because of use, time, accident, or any other cause is so worn, damaged, or obsolete that it has no value for the purpose for which it was originally intended.

(2) "Surplus property" means personal property that:

(A) is not salvage property or items routinely discarded as waste;

(B) is not currently needed by its owner;

(C) is not required for the owner's foreseeable needs; and

(D) possesses some usefulness for the purpose for which it was intended.

Acts 1987, 70th Leg., ch. 149, Sec. 1, eff. Sept. 1, 1987. Amended by Acts 1989, 71st Leg., ch. 1, Sec. 61(b), eff. Aug. 28, 1989.

Sec. 263.152. DISPOSITION. (a) The commissioners court of a county may:

(1) periodically sell the county's surplus or salvage property by competitive bid or auction, except that competitive bidding or an auction is not necessary if the purchaser is another county or a political subdivision within the county that is selling the surplus or salvage property;

(2) offer the property as a trade-in for new property of the same general type if the commissioners court considers that action to be in the best interests of the county;

(3) order any of the property to be destroyed or otherwise disposed of as worthless if the commissioners court undertakes to sell that property under Subdivision (1) and is unable to do so because no bids are made;

(4) dispose of the property by donating it to a civic or charitable organization located in the county if the commissioners court determines that:

(A) undertaking to sell the property under Subdivision (1) would likely result in no bids or a bid price that is less than the county's expenses required for the bid process;

(B) the donation serves a public purpose; and

(C) the organization will provide the county with adequate consideration, such as relieving the county of transportation or disposal expenses related to the property;

(5) transfer gambling equipment in the possession of the county following its forfeiture to the state to the Texas Building and Procurement Commission for sale under Section 2175.904, Government Code; or

(6) order any vehicle retired under a program designed to encourage the use of low-emission vehicles to be crushed and recycled, if practicable, without a competitive bid or auction.

(a-1) The commissioners court shall remit money received from the Texas Building and Procurement Commission from the sale of gambling equipment under Section 2175.904(c), Government Code, less administrative expenses incurred by the county in connection with the transfer and sale of the equipment, to the local law enforcement agency that originally seized the equipment.

(b) If the property is earth-moving, material-handling, road maintenance, or construction equipment, the commissioners court may exercise a repurchase option in a contract in disposing of property under Subsection (a)(1) or (a)(2). The repurchase price of equipment contained in a previously accepted purchase contract is considered a bid under Subsection (a)(1) or (a)(2).

(c) Repealed by Acts 2003, 78th Leg., ch. 43, Sec. 2; Acts 2003, 78th Leg., ch. 345, Sec. 3.

Acts 1987, 70th Leg., ch. 149, Sec. 1, eff. Sept. 1, 1987. Amended by Acts 1989, 71st Leg., ch. 1, Sec. 61(b), eff. Aug. 28, 1989; Acts 1991, 72nd Leg., ch. 416, Sec. 3, eff. Sept. 1, 1991; Acts 1993, 73rd Leg., ch. 237, Sec. 1, eff. Aug. 30, 1993; Acts 1995, 74th Leg., ch. 746, Sec. 5, eff. Aug. 28, 1995; Acts 1999, 76th Leg., ch. 254, Sec. 1, eff. May 28, 1999; Acts 2003, 78th Leg., ch. 43, Sec. 1, 2, eff. May 15, 2003; Acts 2003, 78th Leg., ch. 345, Sec. 1, 3, eff. June 18, 2003. Amended by:

Acts 2007, 80th Leg., R.S., Ch. 1233, Sec. 2, eff. June 15, 2007.

Acts 2009, 81st Leg., R.S., Ch. 931, Sec. 1, eff. September 1, 2009.

AI-41274 **Purchasing Department 16. A. 2.**

CC REGULAR

Meeting Date: 10/22/2013

Submitted For: Valde Guerra, HC Exec. Ofc. **Submitted By:** Rocio Villarreal, PURCHASING DEPT.

Department: PURCHASING DEPT.

Information

CAPTION

Approval of an Amendment (reflecting an increase on the construction cost) to the current agreement between Hidalgo County and Prodigy Construction Management, LLC for the "Remodeling and Renovations of the 1st and 2nd Floor for the Former Administration Building." C-13-276-09-11

BACKGROUND

Fiscal Impact

FISCAL YEAR: 2013 **ACCT. #:** 3-1336-419-40-220-043-0-452

FUNDS AVAILABLE Y/N?: **MATCHING FUNDS Y/N?:**

BUDGETARY IMPACT:

Attachments

Contracts

Amendment

Legal Approval

Email

Form Review

Inbox	Reviewed By	Date
Purchasing Department	Marty Salazar	10/16/2013 05:03 PM
Budget & Management	Obdett Calzada	10/17/2013 08:20 AM
Auditor's Office	Monica Badillo	10/18/2013 04:51 PM

Form Started By: Rocio Villarreal Started On: 10/16/2013 01:57 PM

Final Approval Date: 10/18/2013

AGREEMENT

FOR

CONSTRUCTION MANAGEMENT SERVICES
Remodeling and Renovations of the Former Administration Building
First and Second Floors

BETWEEN

PRODIGY CONSTRUCTION MANAGEMENT L.L.C

&

THE COUNTY of HIDALGO, TEXAS

Revision 1: Monday, August 26, 2013

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Agreement for Construction Management Services Between
Prodigy Construction Management L.L.C and
The County Of Hidalgo, Texas
C-13-276-09-11

This AGREEMENT(the "Agreement") made this 11 day of September, 2013 between The County of Hidalgo, Texas (the "Owner") and Prodigy Construction Management LLC (hereinafter "Construction Manager or PM") for Services in connection with the project known as:
Remodeling and Renovations of the Former Administration Building
First and Second Floors
(the "Project").
Whereas the plans and specifications have been previously completed by OWNER hired design Architect- Alcocer Associates of McAllen, Tx. and OWNER awarded to General Contractor-D. Wilson Construction of McAllen, Tx.

The Owner and the PM agree as set forth below:

ARTICLE 1
DEFINITIONS

The following words and phrases appearing in initial capitalization shall for the purposes of this Agreement have the following meanings:

1.1 ADDITIONAL SERVICES. "Additional Services" means services not included in Basic Services which will require to be specifically approved in writing prior to the performance by the Construction Manager of such Service or Services.

1.2 ADDITIONAL SERVICES AGREEMENTS. "Additional Services Agreements" means any written agreement signed by Owner and PM for the provision of Additional Services by PM for which PM will be paid Additional Services Compensation.

1.3 ADDITIONAL SERVICES COMPENSATION. "Additional Services Compensation" means the fees determined in accordance with Additional Service Agreements to be paid by the Owner to the Construction Manager in connection with the performance of Additional Services or on account of the occurrence of an event specified in Excusable Delays.

1.4 AGREEMENT. "Agreement" has the meaning set forth in the introductory paragraph.

1.5 AIA Contract. "AIA Contract" means any agreement as authored by the American Institute of Architects.

1.6 BASIC SERVICES. "Basic Services" means (a) the services set forth in Attachment A and (b) each other service performed by or on behalf of the Construction Manager, even though such service is not included on Attachment A.

1.7 BASIC SERVICES COMPENSATION. "Basic Services Compensation" means the fee designated in Article 4 to be paid by the Owner to the Construction Manager for Basic Services set forth in Attachment A by the Construction Manager.

1.8 CONSTRUCTION CONTRACT DOCUMENTS. "Construction Contract Documents" means the plans and specifications prepared by the Design Consultant, and any addenda and change orders thereto, and the Owner-Contractor agreement, all of which shall be compatible with this Agreement.

1.9 CONSTRUCTION MANAGER. "Construction Manager" has the meaning set forth in the introductory paragraph.

1.10 CONTRACTOR. "Contractor" means any person or entity that enters into an agreement with the Owner to perform all or part of the construction on the Project, including, without limitation, the providing of labor, materials, and equipment incorporated or to be incorporated into the Project. The term "Contractor" includes the authorized representative or a Contractor, but excludes the Construction Manager and the Design Consultant.

1.11 DESIGN CONSULTANT. "Design Consultant" means the contracted registered architect or licensed engineer(s), selected by the Owner.

1.12 INDEMNITEES. "Indemnities" has the meaning set forth in Section 10.1.

1.13 INDEMNITORS. "Indemnitors" has the meaning set forth in Section 10.1.

1.14 LIABILITIES. "Liabilities" has the meaning set forth in Section 10.1.

1.15 OWNER. "Owner" has the meaning set forth in the introductory paragraph.

1.16 OWNER-CONTRACTOR AGREEMENT. "Owner-Contractor Agreement" means an agreement related to the Project between the Owner and a Contractor.

1.17 OWNER'S DESIGNEE. "Owner's Designee" means the Hidalgo County's Commissioner's Court.

1.18 PM. "PM" has the meaning set forth in the introductory paragraph.

1.19 PROJECT. "Project has the meaning set forth in the introductory paragraph.

1.20 PROJECT SCOPE. The "Project Scope" is the provision of construction management services for the Project.

1.21 REIMBURSABLE EXPENSES. "Reimbursable Expenses" has the meaning set forth in Section 7.4.

1.22 SERVICES. "Services" means the Basic Services and Additional Services performed by the Construction Manager's services consist of those services performed by the Construction Manager, Construction Manager's Employees and/or Construction Manager's Consultants.

1.23 WORK. The "Work" means the work to be performed by the PM hereunder, consisting of the Basic Services and the Additional Services and the work performed by the Design Consultant and the Contract.

ARTICLE 2
RELATIONSHIP OF THE PARTIES

2.1 REPRESENTATIVE OF OWNER. The Construction Manager shall act as the "Designated Representative" of the Owner under this agreement and in consultation with the Hidalgo County Commissioner's Court. Notwithstanding anything to the contrary contained herein, PM acknowledges and agrees that it does not have the authority to bind the Owner, including with respect to the AIA Contract or Owner-Contractor Agreements and that decisions affecting the cost, quality or design of the Project cannot be made by the PM without the prior written agreement from the Commissioner's Court. All matters requiring decision will be submitted by the Construction Manager to the Commissioner's Court for their decision.

2.2 STANDARD OF CARE. The Construction Manager will represent the best interest of the Owner and perform services in utmost good faith, honesty and fairness. The Construction Manager covenants with the Owner to furnish its professional skill and judgment with the highest care in accordance with the generally accepted standards of construction management practice in the same or similar locality and in accordance with the federal, state and local laws, regulations and Owner's policies which are applicable to the performance of the Services and which are in effect on the date of this Agreement or as may be amended during the term thereof. The Construction Manager shall not be

regarded as a guarantor with respect to any work product provided hereunder. Construction Manager's effective duration for its Services begins on the date of this executed Agreement signed by all parties and will end at the conclusion of the acceptance by the Owner of the Work.
In the event there is a defect in the Construction of the Project, such defect is reported by Owner, in writing, to Construction Manager within the above warranty period, Construction Manager shall promptly take appropriate action to consult with the Design Professional and Construction Contractor to remedy the defect. Warranty period Services shall be at no cost to the Owner.

2.3 In providing Services, the Construction Manager shall maintain a working relationship with the Contractor and Design Consultant on behalf of the Owner. However, nothing in this Agreement shall be construed to mean that the Construction Manager supplants or assumes any of the Contractor's or the Design Consultant's contractual or customarily assumed responsibilities unless expressly provided herein or in an Additional Services Agreement. The Construction Manager will use its best efforts to monitor the Work in accordance with the Scope of Services set forth in Attachment A and provide written reports to Owner of any inadequacies observed. Subject to this requirement, the Construction Manager shall not be responsible for construction means, methods, sequences or procedures utilized by the Contractor or the Contractor's breach of contract; or Contractor's failure to carry out safety or security in connection with the Project (unless otherwise specified as a Basic Service); acts or omissions of the Design Consultant; or adequacy or accuracy of any part or all of the Project design.

2.4 Both parties to this Agreement recognize that performance under the agreement(s) between the Owner and the Contractor, the Owner and the Design Consultant, or Owner and any third party is solely the responsibility of the individual Contractor, Design Consultant, or third party; consequently, nothing in this Agreement shall be construed to mean that said performance or lack thereof by Owner, Contractor , and/or Design Consultant, or any third party, is in any way to be considered the responsibility of the Construction Manager. The Construction Manager shall, however, promptly notify the Owner of any issues with such parties performance of which the Construction Manager becomes aware.

2.5 SUBSTITUTION OF PERSONNEL. The Construction Manager and the Owner shall each respectively reserve the right to substitute duly qualified personnel for the purpose of carrying out their respective responsibilities under this Agreement; provided, however, that in the event of any such substation by the Construction Manager, the Owner shall have the right to approve any such substitute.

ARTICLE 3
BASIC SERVICES

3.1 The Construction Manager shall perform all of the Basic Services set forth in Attachment A. The Basic Services shall be performed under and in accordance with this Agreement and the Construction Contract Documents.

ARTICLE 4
COMPENSATION

4.1 BASIC SERVICES COMPENSATION. The Owner shall pay the Construction Manager Basic Services Compensation in accordance with the terms and conditions of this Agreement as follows:

4.2 (a) The Basic Services Compensation to the Construction Manager is calculated at (3.5) percent of the final cost of construction.
Owner provided estimated construction budget is $3,314,000.00.

(b) Payment to the Construction Manager shall be based on the Design Consultant's monthly progress reports submitted to the Owner. The Design Consultant's monthly progress report shall indicate the percent completion of the work by the Contractor under the Contractor's contract with the Owner during the previous month. On or before noon of the first Monday of each month during the performance of construction services by the Contractor, the Design Consultant's shall submit to the Owner the percent completion of the construction work by the Contractor under the Contractor's contract with the Owner (the "Design Consultant's Monthly Construction Percentage"). Monthly payment of Construction Manager Basic Services Compensation shall be the product of the Construction Manager Basic Services Compensation percentage (as defined in Article 4.2 (a) hereof) multiplied by such month's Design Consultant's Monthly Construction Percentage and the amount of the Contractor's Construction Contract (such product as used herein the "Monthly Construction Manager Payment"). The Owner shall review each such Design Consultant's Monthly Contractor Percentage and may make such exceptions as the Owner reasonably deems necessary or appropriate under the circumstances then existing. About ten (10) working days after the Commissioners' Court of Owner approves the Design Consultant's Monthly Construction Percentage and the Monthly Construction Manager Payment as aforesaid, the Owner shall make payment to the Construction Manager of the Monthly Construction Manager Payment.

(c) The Owner reserves the right to add other work to the Scope of Services of the Construction Manager hereunder, and adjust the fees of this Agreement by a reasonable amount, which shall be agreed to in writing by the Owner and the Construction Manager.

4.3 PAYMENTS WITHHELD. There are no monies related to retainage under this contract with the Construction Managers Services.

4.4 CONDITIONS FOR BASIC SERVICES COMPENSATION. The general Project Scope is described in this Agreement. So long as there is no deviation in the Project Scope, the Basic Service fee shall not change. If there is a deviation that results in an increase in the final cost of construction, the Basic Services Compensation shall increase in accordance with Section 4.2(a), subject to the prior written agreement of the Owner thereto.

4.5 EXPENSES. Items provided by Owner at no expense to the Construction Manager are referenced in Attachment "B" as provided "By Owner". The Construction Manager acknowledges and agrees that any such expenses payable by Owner must be included in the construction budget and are subject to Owner's prior written approval before the Construction Manager incurs any such expense.

4.6 ADDITIONAL SERVICES COMPENSATION. Additional Services Compensation shall be determined and paid in accordance as follows:

	Position	Hourly Rate
1)	Consultant-Project Manager	$150
2)	Clerical	$ 60

4.7 TERMINATION OF SERVICES. In the event any undisputed invoice submitted by the Construction Manager for Services rendered is not paid within 60 days after receipt of the invoice, the Construction Manager shall have the right to terminate this Agreement.

ARTICLE 5
DURATION OF BASIC SERVICES

5.1 TOTAL DURATION OF BASIC SERVICES. The duration of Basic Services under this Agreement shall begin as of the date this Agreement is executed by all parties. It is anticipated that all of the Services will be completed per the established Project timeline of 320 calendar days as defined by the Owner. If design delays, construction delays, or other factors beyond the control of the Construction Manager cause the durations of the Project to extend beyond the anticipated durations shown in the Project timeline, CM and Owner shall negotiate the payment increases if any, to PM:

(1) There will be Additional Services Compensation granted only to the extent that the reason for the late completion of the works is not the fault of the Construction Manager, and
(2) The prior written agreement of the Owner to incur such Additional Services Compensation must be obtained by the Construction Manager.

5.2 The duration of the Basic Services set forth in this Agreement shall be extended as required in accordance with amendments to this Agreement signed by the parties hereto in the event of any suspension, delay or interruption of the Services or the Work on the Project pursuant to the Project time line.

ARTICLE 6
OWNER'S RESPONSIBILITIES

6.1 OWNER'S DECISIONS. The Owner shall examine information submitted by the Construction Manager and shall render decisions pertaining thereto promptly, in order to avoid delay in the progress of the Work and Services The Construction Manager acknowledges that the Owner is a political subdivision of the state of Texas, subject to statutory requirements concerning when and how it may meet and act.

6.2 INFORMATION, SURVEYS, REPORTS. The Owner, after notice from the Design Consultant, shall furnish or obtain site information, soil and surveyor services, and structural, mechanical, chemical, electrical, conductivity and other laboratory tests, inspections and reports as deemed necessary by the Owner. The Construction Manager shall be entitled to rely upon the accuracy and completeness of information, surveys, tests, and reports furnished by the Owner, its Design Consultant, other consultants of the Owner and the Contractor; provided, however, that the Construction Manager shall promptly notify the Owner of any inaccuracies or lack of completeness of which it becomes aware.

6.3 NOTICE OF FAULT OR DEFECT. If the Owner observes or otherwise becomes aware of any fault or defect in the Project or nonconformance with the Construction Contract Documents prompt written notice thereof shall be given to the Construction Manager to resolve with the responsible party. The Construction Manager will notify the Owner of any such fault or defect of which it becomes aware and shall resolve such issues with the responsible party.

6.4 OWNER INFORMATION AND APPROVALS. The Owner shall furnish required information and approvals for orderly progress of the Work. If the Construction Manager knows of a particular item on which a decision, information or approval is needed from the Owner, Construction Manager shall notify the Owner of that need in writing.

6.5 DESIGN CONSULTANT AGREEMENT. The Owner has retained and contracted separately with the Design Consultant through a general professional services contract.

6.6 BUDGET. The Project budget shall be established by the Owner and Design Consultant.

6.7 CONTRACTOR AGREEMENT. The Owner shall contract separately with Contractor(s) for the construction of the Project. The Owner shall cause all Agreements between the Owner and Contractors to be compatible and consistent with this Agreement, and such agreements shall recognize the Construction Manager as the Owner's agent, subject to the limitations on the Construction Manager's authority as set forth herein, in providing the Services under this Agreement. In addition to other provisions which require the Contractor to complete the Project within the time and contract amount stated in such Agreements.

6.8 CONSTRUCTION CONTRACT DOCUMENTS. Sufficient copies of Construction Contract Documents shall be furnished to the Construction Manager by the Owner by the Owner's expense.

6.9 PERMITS AND LICENSES. The Construction Manager shall not be obligated to pay for any necessary permits, license, fees, approvals, easements, assessments, re-inspect, plan review and charges required for the construction, use or occupancy of permanent structures or for permanent changes in existing facilities, or new facilities unless included in an Additional Services Agreement.

6.10 PROJECT COMMUNICATION. The Owner shall direct the Design Consultant(s) and General Contractors to deliver a copy of all Project information or communication to the Construction Manager.

6.11 The Owner's Designee shall act in the Owner's behalf with respect to the Project. The Owner shall make representatives reasonably available during regular working hours as reasonably necessary to examine information submitted by Construction Manager; it being understood that only Commissioner's Court may render decisions. Owner shall cause its representatives to furnish information in a reasonably timely manner. Construction Manager acknowledges that the Owner is a public body and decisions of the Owner can only be made by the Commissioner's Court, and agrees this provision does not require the Owner's representative to make decisions, which are reserved for the Commissioner's Court.

6.12 CONSTRUCTION MANAGER FIELD OFFICE. (not applicable).

6.13 Additional Disclosures: Owner has disclosed to PM (1) the Project budget (2) the Project timeline and (3) the Project Scope, and will keep the PM apprised of any material changes thereto.

6.14 DISPUTES. Any dispute between the Construction Manager and the Owner regarding, but not limited to project budget, project scope, project layout, or types and quality of materials, shall be submitted in writing within 21 days after occurrence of the event giving rise to the claim to be resolved by the Owner's Representative. If not resolved by the Owner's Representative within 10 days, then the Construction Manager may submit in writing the issues(s) in dispute to the Hidalgo County Commissioners Court. The determination of the County's Designee or Commissioners Court is the final institutional decision.

ARTICLE 7
CHANGES IN SERVICE AND PROJECT

7.1 CHANGES WITHIN THE GENERAL SCOPE OF PROJECT. The Owner reserves the right to modify, by addition or reduction, the scope and duration of the Project. PM acknowledges that change orders from Construction allowances to the construction contracts, additional services under the design contracts, and changes in the general Project which do not result in a substantial deviation in the Project Scope are to be expected, and may not result in changes to the Basic Services Compensation hereunder. When there is a substantial deviation from the Project Scope from that shown on in Section 1.1, it may result in an increase or decrease in Basic Services Compensation as provided in Article 4.

7.2 EXTENSION OF DURATION OF BASIC SERVICES AND PHASES; ADDITIONAL SERVICES. Should a substantial extension of the Owner's PROJECT timeline of 320 calendar days should occur through no fault of the Construction Manager, the parties may negotiate in advance concerning whether entry into an Additional Services Agreement to provide for Additional Services Compensation for the Construction Manager for the performance by the Construction Manager of Additional Services.

7.3 ADDITIONAL SERVICES COMPENSATION. The amount of Additional Services Compensation to be paid to the Construction Manager with respect to Additional Services shall be set forth in advance as an Amendment by virtue of a Work Authorization Request (Attachment "D") as part to this Agreement executed by the Owner and the Construction Manager. In the event an Amendment to Agreement is entered into by the Owner and Construction Manager without specifying the Additional Services Compensation to be paid with respect thereto, the Additional Services Compensation shall be determined on a time-spent basis calculated by multiplying the number of hours spent on performing the Additional services times the applicable Hourly

Billing Rate for the personnel set forth in Article 4.6 ADDITIONAL SERVICES COMPENSATION plus Reimbursable Expenses pursuant to Attachment "B".

7.4 REIMBURSABLE EXPENSES. In connection with Additional Services, "Reimbursable Expenses' are those actual expenditures made by the Project Management, its employees, or its professional consultants, directly as a result of performance of Additional Services and which are expressly set forth as Reimbursable Expenses on the related Amendment to Agreement. No reimbursable expenses shall be chargeable to the Owner unless such costs are specifically agreed in writing between Owner and the Construction Manager prior to performance of Additional Services.

7.5 PROFESSIONAL CONSULTANTS. Cost of professional consultants retained by the Construction Manager with regard to such Additional Services shall be invoiced to the Owner at a multiplier of 1.1. No professional consultant charges are chargeable unless specifically agreed to in writing in the related Amendment to Agreement by Owner prior to performance of any Additional Services.

7.6 PAYMENT FOR SERVICES UNDER THIS ARTICLE. The Construction Manager shall submit invoices for the Additional Services Compensation, reimbursable Expenses, and professional consultant's costs to the extent each is allowed in accordance with the terms of this Agreement, which shall be paid pursuant to the provisions of Article 4.8 of this Agreement.

ARTICLE 8
NOTICES

8.1 NOTICES. Any notice required by this Agreement to either party by the other shall be in writing and deemed given when delivered personally or five days after deposit in the United States Post Office, as postage prepaid, certified mail, return receipt requested, addressed as follows, or to such other address as shall be duly given by notice meeting the requirement of this Article.

Owner :	County of Hidalgo Attention: Hidalgo County Judge
Address:	302 W. University Drive
City State Zip:	Edinburg, Texas 78539-3523
Construction Manager:	S. Alex Palacios, Owner/Principal
Company:	PRODIGY CONSTRUCTION MANAGEMENT L.L.C.
Address:	1335 E. Jasmine Ave.
City State Zip:	McAllen, Texas 78501
Telephone:	(956) 800-1122 office

(956) 800-4618 fax

ARTICLE 9
INSURANCE

9.1 CONSTRUCTION MANAGER INSURANCE. The Construction Manager shall purchase and maintain for the duration of this Agreement insurance for protection from (a) claims under worker's compensation acts in at least the minimum statutory amounts as listed below and (b) claims resulting from negligent acts for which the Construction Manager is legally liable arising from (i) claims for damages because of bodily injury, including personal injury, sickness, disease or death of any of the Construction Manager's employees or any other person and (ii) claims for damages because of injury to or destruction of tangible personal property equivalent protection acceptable to Owner.

1. Worker's Compensation
   1. State Statutory
   2. Employer's Liability; $100,000 Each Occurrence

2. Automobile Liability
   1.) Bodily Injury
      a. Each Person, $500,000
      b. Each Occurrence, $500,000
   2) Property Damage
      a. Each Occurrence, $300,000
      b. Each Occurrence, $300,000

3. General Liability $1,000,000 Each Occurrence

ARTICLE 10
INDEMNIFICATION

10.1 INDEMNIFICATION. To the fullest extent permitted by applicable law, the Construction Manager and its agents, partners, sub-contractors, and consultants (collectively "Indemnitors") shall and do agree to indemnify, protect, defend, and hold harmless the Owner and the Owner's elected officials, employees and agents (collectively "Indemnitees") from and against all claims, damages, losses, liens, cause of action, suits, judgments and expenses, including attorney fees and expenses, of any nature, kind or description (collectively "Liabilities") whatsoever arising out of, caused by or resulting from the performance of the Construction Manager's Services or through activities or any negligent act or omission of the Indemnitors or any of their agents, partners, subcontractors and/or consultants performed under this Agreement.

10.2 ACTS AND OMISSIONS. The Construction Manager shall not be responsible for any portion of the Liability proximately caused by the Owner's or an unrelated third party's acts or omissions. Nothing in this paragraph shall be constructed to excuse the Construction Manager from liability for its or the other Indemnitors own acts or omissions.

10.3 EXCUSABLE DELAY. The Construction Manager and the Owner shall not be liable to each other for any delays in the performance of their obligations and responsibilities occurring beyond their reasonable control and or without their fault or negligence, including but not limited to any of the following events or occurrences; fire, flood, earthquake, epidemic, hurricanes, archaeological finds, war and strikes.

10.4 SURVIVAL OF INDEMNITIES. Indemnity hereunder shall survive expiration or termination of this Agreement.

ARTICLE 11
TERMINATION AND SUSPENSION

11.1 TERMINATION. This Agreement may be terminated by Owner party without cause upon thirty (30) days written notice.

11.2 In the event of a termination under 11.1, the Construction Manager shall be paid any Basic Services Compensation, Reimbursable Expenses and Additional Services Compensation for Services performed to the date of termination.

11.3 SUSPENSION. The Owner may order the Construction Manager in writing to suspend, delay or interrupt all or any part of the Work on the Project for sixty (60) day period for the convenience of the Owner, or because of events beyond the control of the Owner or the Construction Manager.

11.4 In the event the Work on the Project is suspended, delayed or interrupted, the parties may agree in writing to Additional Services Compensation pursuant to section 7.2 above. Any time after the sixty (60) day suspension period, Construction Manager may, at its sole option elect to terminate this Agreement or remobilize on the Project and resume the Services. The Construction Manager shall restore construction site personnel and office personnel to its former size as quickly as is reasonable feasible upon its election to remobilize.

11.5 SUSPENSION OF WORK WHERE ASBESTOS OR OTHER TOXIC OR HAZARDOUS MATERIAL IS FOUND.

The Construction Manager and its consultants shall have no responsibility for the discovery, presence, handling, removal or disposal of or exposure of persons to hazardous materials in any form at a Project site, including but not limited to asbestos, asbestos products, polychlorinated biphenyl (PCB) or other toxic substances.

In the event the Construction Manager or any Contractor encounters on the Project site material reasonably believed to be asbestos, PCB or any toxic or material which has not been rendered harmless and which is not part of the Work to be performed by the Contractor on the Project, the Construction Manager shall immediately stop Work in the affected area and report the condition to the Owner in writing. The Work in the affected area shall not thereafter resume except by written agreement of the Owner and the Construction Manager if in fact the material is asbestos, PCB or any toxic or hazardous material and has not been rendered harmless. The Work in the affected area shall resume in the absence of asbestos, PCB or any other toxic or hazardous material, or when it has been rendered harmless, by written agreement of the Owner and Construction Management.

The Owner shall not require the Construction Manager without its consent to perform any Services related to asbestos, PCB or any other toxic or hazardous material.

In the event of any suspension, delay or interruption of any or all the Work on the Project pursuant to this section, the time for the completion of Basic Services shall be extended by a period of time corresponding to the impact such suspension has in the completion of all the Work of the Project covered by this Agreement, and the Construction Manager may be entitled to receive Additional Services Compensation in accordance with Section 7.2.

11.6 EFFECT OF DELAY OR SUSPENSION. A suspension, delay or interruption of the Work on the Project shall not terminate nor void this Agreement.

ARTICLE 12
SUCCESSORS/ASSIGNMENT/THIRD PARTIES

12.1 SUCCESSORS. This Agreement shall inure to the benefit of and be binding on the heirs, successors, permitted assigns, trustees and personal representatives of the Owner, as well as the permitted assigns of Construction Manager.

12.2 ASSIGNMENT. Neither the Owner nor the Construction Manager shall assign, or transfer its interest in this Agreement without the prior written consent of the other, except that the Construction Manager may assign accounts receivable to a commercial bank or financial institution for securing loans, without prior approval of the Owner.

12.3 THIRD PARTIES. This Agreement is not intended to create nor shall it be construed as creating any contractual relationship or obligations between the Construction Manager and any other third party, including but not limited to the Design Consultant and the Contractor. Nothing contained in this Agreement, nor the performance of the parties hereunder, shall inure to the benefit of any third party.

ARTICLE 13
CERTIFICATES FOR PAYMENT TO THE CONTRACTOR

Based upon observations at the site and upon the Contractor's applications for payment, the Construction Manager, within 14 days of receipt of the Contractor's application for payment (or such shorter period as reasonably required due to the requirements of the related Owner-Contractor Agreement) shall determine the amount owing to each Contractor pursuant to the terms of the respective Owner-Contractor Agreement, and shall issue certificates for payment to the Contractor in such amount. The Construction Manager shall consult with the Design Consultant in the determination of the amount due to the Contractor. The Construction Manager and the Design Consultant shall sign the certificates for payment prior to the time they are transmitted to the Owner by the Construction Manager. The signing of a certificate for payment by the Construction Manager shall constitute representation by the Construction Manager to the Owner based on the Construction Manager's observations at the site pursuant to this Agreement, the data comprising the application for payment, and information supplied by the Design Consultant, that the Work has progressed to the point indicated, and that after due inquiry to the best of the Construction Manager's knowledge, information and belief, the quality of the Work appears to be in accordance with the Construction Contract Documents (subject to an evaluation of the Work for conformance with the Construction Contract Documents upon Substantial Completion, the results of any subsequent test required or performed under the Construction Contract Documents, minor deviations from the Construction Contract Documents correctable without cost to Owner prior to completion, and any specific qualifications stated in the certificate for payment) and the respective Owner-Contractor Agreement, and that the Contractor is entitled to payment in the amount certified. However, by signing a certificate for payment, the Construction Manager shall not hereby be deemed to represent that the Construction Manager has made exhaustive or continuous on-site inspections to check the quality of the work or that Construction Manager has reviewed the construction means, methods, techniques, sequences or procedures, or that the Construction Manager has made any examination to ascertain how and for what purpose the Contractor has used the monies paid on account of the construction contract sum.

ARTICLE 14
ADDITIONAL PROVISIONS

14.1 MEDIATION. Resolution of any dispute arising under this Agreement between the Owner and Contractor may first be attempted by submitting the dispute to non-binding mediation. The dispute may be submitted to non-binding mediation upon the written demand of either party with the consent of the other party. The non-binding mediation shall be held in Hidalgo County, Texas, at a location agreed to by the parties. The mediator shall be selected by agreement within twenty (20) calendar days from the date the demand for mediation is received by the other party, and absent such agreement, mediation shall not occur. Thereafter, the mediation shall be held at the selected designation within thirty (30) calendar days. The party demanding the mediation shall be responsible for payment of the mediator's fee and associated costs. Mediation of any dispute shall not be a condition precedent to filing a lawsuit, including seeking a mandatory or prohibitive injunction, or equitable relief from any court of competent jurisdiction to enforce or maintain the status quo pending mediation of any dispute.

14.2 ARBITRATION. [INTENTIONALLY DELETED]

14.3 CONFIDENTIALITY. In order for the Construction Manager to effectively provide the Services required under this Agreement, it may be necessary or desirable for the Owner to disclose to the Construction Manager confidential and proprietary information and trade secrets pertaining to the Owner's past, present, or future activities. The Construction Manager hereby agrees to treat information which has been designated to the Construction Manager by the Owner in writing as being confidential and proprietary information or trade secrets in confidential manner. The Construction Manager further agrees that it will not disclose any such information so designated to anyone outside of the Owner at any time. The terms of this Article shall not apply to (a) information which at the time of disclosure is in the public domain or which subsequent to disclosure enters the public domain except by breach of this Agreement by Construction Manager, (b) information which Construction Manager can show by competent proof was in its possession prior to Owner's disclosure of such information to Construction Manager, or (c) information which Construction Manager received from third parties in the absence of a confidentiality agreement thereon.

14.4 DOCUMENTS AND RECORDS. Upon termination or expiration of this Agreement, the Construction Manager shall, upon written request from the Owner, return to the Owner all documents and records provided by the Owner that are in the Construction Manager's possession or control and shall deliver all Project files maintained by the Construction Manager for the Project. However, the Construction Manager shall be allowed to make copies of all such documents, records, information and material.

14.5 GOVERNING LAW. This Agreement shall be governed by the laws of the State of Texas. Venue of any dispute shall be in Hidalgo County Texas.

14.6 ENTIRE AGREEMENT. This Agreement represents the entire Agreement between the Owner and the Construction Manager and supersedes all prior negotiations, representations or agreements, either written or oral. No part of the proposal for this work from the Construction Manager is part of this Agreement.

14.7 MODIFICATION OF AGREEMENT. This Agreement may be amended only by written instrument signed by both the Owner and the Construction Manager.

14.8 SEVERABILITY. If any one or more of the provisions contained in this Agreement, for any reason, are held to be invalid, illegal, or unenforceable in any respect, such invalidity , illegality or unenforceability shall not affect any other provisions hereof and this Agreement shall be construed as if such invalid, illegal or unenforceable provision had never been contained herein.

14.9 CALENDAR DAYS. Except where specifically stated otherwise, all periods of time stated in terms of days shall be considered periods calculated in calendar days.

14.10 HEADINGS. The headings or captions within this Agreement shall be deemed set forth in the manner presented for the purposes of reference only and shall not control or otherwise affect the information set forth therein or interpretation thereof.

14.11 INTERPRETATION OF CERTAIN WORDS. For the purposes of this Agreement unless the context clearly indicates otherwise, the singular includes the plural, and the plural includes the singular.

14.12 COUNTERPARTS. This Agreement may be executed in any number of counterparts, which shall constitute one and the same instrument.

14.13 CONFLICT AMONG CONTRACTORS. In the event of any conflict between the terms and provisions of this Agreement and the AIA Design Professional Contract and/or the Owner-Contractor Agreement, the AIA Design Professional Contract shall control.

14.14 NON-DISCRIMINATION. By the signing of this Agreement, the Construction Manager certifies that it complies with all applicable laws concerning equal opportunity and non-discrimination and that it does not maintain or provide for its employees to perform their services at any location, under its control, where segregated facilities are maintain.

[SIGNATURE PAGE FOLLOWS]

This Agreement executed the day and year first written above.

Owner:
The County of Hidalgo

Ramon Garcia, County Judge
OR
DESIGNEE OF THE COMMISSIONERS' COURT

ATTEST:

Arturo Guajardo, County Clerk

PM:
Prodigy Construction Management LLC

S. Alex Palacios, Owner/Principal

9/30/2013

APPROVED AS TO FORM:
ATLAS, HALL, & RODRIGUEZ, LLP

By: Stephen L. Crain

APPROVED BY
COMMISSIONERS' COURT
ON: 9/17/13

ATTACHMENT "A"

SCOPE OF SERVICES

CONSTRUCTION MANAGEMENT
Construction Manager LLC Services are listed below.

I. PROJECT PLANNING AND MANAGEMENT

a) Construction Manager Implementation Plan: PM will work with Owner to prepare a comprehensive Construction Manager Implementation Plan, which will include:

- Identification of the Owner's overall objectives.
- Project policies necessary to manage to the desired outcome.
- Overall Master Project Schedule including the phasing, sequencing and packagingof design, consulting, equipment or construction contracts so that the work meets the capacity of the design and construction community.
- Overall Project Budget including both soft and hard costs.
- Procurement techniques and forms of contract that can be utilized for the delivery of the Project.
- Project Organization Chart including integration of Construction Manager Services with other related services including design services, FF&E procurement and installation (if necessary), operations & maintenance, technology design and installation, etc.

b) Construction Manager Procedures: Construction Manager will prepare Construction Manager Procedures that:

- Establishes procedures for communication among the Project participants.
- Describes roles and responsibilities for all of the key players in the Project participants.
- Presents administrative procedures for pre-design, design, procurement, construction and post construction services
- Are aligned with Owner goals.

c) Architect-Engineer Selection: Construction Manager, when necessary, will advise, if requested by Owner, in the Architect and Engineer selection and advise Owner on language for approval and acceptance by Owner. Construction Manager will assist with review of potential design team(s) qualifications for capability to perform scope of work and meet schedule. Construction Manager will negotiate with the selected firms and assist in Architect and Engineer contract preparation and review. Construction Manager will review the selected

firms' certificate of insurance for compliance with Owner's guidelines.

d) Information and Control System: Construction Manager will establish and implement a Construction Manager information and control system for expediting and processing requests for information; shop drawings, material, equipment, and sample submittals,; contract adjustments; change orders; payment requests and the maintenance of logs.

e) Project Budgeting and Cost Management: Construction Manager will prepare a Conceptual Project Budget based on information from Owner. The Project Budget will identify all sources of potential funding, and will account for all Project expenses.

Construction Manager will develop and implement an effective system to assist Owner in the management of Project costs. In developing and implementing this system, Construction Manager will collect budget information for the Project related soft and hard costs, including design costs, construction costs and other related costs; recommend adjustments as necessary and provide input to Construction Manager's computerized cost reporting system. Cost reports will be updated monthly as commitments are made and costs are incurred and incorporated into the monthly report. Any budget adjustments must be approved by the Owner in writing. Construction Manager will record documentation of the change, and transfer of funds.

f) Master Project Schedule: Construction Manager will, working with other Project participants, prepare an overall "Master Project Schedule" showing duration and precedence for construction and occupancy activities; establishing the overall duration of the Project and identifying those activities that are most critical.Construction Manager will update the Project Schedule on a regular basis indicating current status of activities, expanding the level of detail and status as the Project progresses.

g) Plan Room: Construction Manager will maintain a plan room for the use of entities wanting to review the Project plans and specifications.

h) Project-Wide Progress Meetings: Construction Manager will attend regularly scheduled meetings with Owner for the purpose of reviewing overall progress as measured against the Construction Manager implementation Plan. Major issues affecting the progress of the Project will be identified, monitored, and reported by Construction Manager. Construction Manager will issue meeting minutes. Such meeting minutes will include the statue of major issues discussed and will prescribe recommended actions required by team members.

i) Project-Wide Progress Reports: Construction Manager will produce a periodic Project report that will include at a minimum: an executive summary narrative, cost status report, schedule status report, key issues & concerns, major variances to the Construction Manager strategy along with recovery action plans and identification of major activities to be

accomplished in the following period.

j) Project Guidelines and Standards: Construction Manager will work with the Owner to identify, collect, develop and distribute to the Design Consultant and Owner's staff the Owner's Project guidelines. In preparing these guidelines consideration will be given to equality in Project scope. Construction Manager will assist the Owner in the prioritization of Project needs.

k) Construction Contract Agreements: Construction Manager will review contract documents and associated general conditions, special conditions and other related documents for the Project.

l) Davis Bacon Act: Construction Manager will assist and ensure general contractor in the enforcement of the Davis Bacon Act compliance.

II. CONSTRUCTION PHASE SERVICES – Project Administration

a) Construction Phase Meetings: Construction Manager will attend pre-construction conferences with Contractors prior to mobilization. Throughout the duration of construction, Construction Manager will attend regular progress meetings with Owner, Design Consultant, and Contractor(s) related to the review and documentation of Project status and coordination of efforts of all Project participants. Design Consultant will be responsible for preparation of individual meeting minutes for each respective part of the Project.

b) On-Site Presence: As progress requires the Construction Manager, including appropriate staff of the Construction Manager, will assist the Design Consultant to observe all phases of construction activities periodically in order to assist in achieving completion of the Project in accordance with the Owner's objectives for cost, time, and quality. Observations will not cause Construction Manager to be responsible for those duties and responsibilities which belong to the Design Consultant or the Contractor(s), and which include, but are not limited to, the Design Consultant's obligation to produce clear, accurate drawings and specifications and responsibilities of full time construction administration and the Contractor(s) responsibilities for the techniques and sequences of construction and safety precautions incidental thereto, and for performing the construction work in accordance with the Contract Documents.

c) Plan Temporary Facilities, Services and Utilities: Construction Manager will review and recommend for approval Contractor's plan for temporary on-site facilities, equipment, materials, and services for the common use of Contractors.

d) Expedite Permits and Approvals: Construction Manager will review the Design Consultant's identification of special permits or approvals required for Project improvements, excluding permits obtained directly by the Contractor. Construction Manager

will review and monitor the inspection process of outside agencies. Construction Manager will assist in obtaining approvals for the Project from authorities having jurisdiction over the Project.

e) Coordinate Requests of Information: Construction Manager will coordinate requests for clarification of Construction Contract Documents from the Contractor(s) with the Design Consultant. Construction Manager will review status of requests in a regular or special progress meeting in an effort to monitor timely responses from the Design Consultant.

f) Implement a Change order System and Procedure: When changes in the work become a necessary due to request of Owner, request of the Contractor, or design document issue, Construction Manager will work with the Design Consultant to coordinate the preparation of Owner approved change order documents, log the proposed change in the control log and transmit to the Contractor for response.

g) Processing of Contractor's Shop Drawings & Submittals: Construction Manager will monitor schedules prepared by Contractor for required submittals of shop drawings and samples for approval by Design Consultant, other members of the Design Consultant and Owner. The Contractor's and Design Consultant's submittal logs will be reviewed in the weekly progress meeting in an effort to assure timely processing by the Contractor and Design Consultant.

Construction Manager will review the Contractor's schedules for submittal and approval of shop drawings and samples to assure that they coincide with the Construction schedule.

h) Review and Approve Contractor's Applications for Payment: The Design Consultant will receive Contractors' applications for payment, review for completeness and review Contractor's proposed schedule of values for use in processing payments. Construction Manager will review the Design Consultant's submittal and process payment application to the Owner. Construction Manager will monitor the payment process for compliance with the Construction Contract Documents. If it should later be found that a Contractor has failed to comply with the provisions of its Owner-Contractor Agreement in any way or detail, such failures and subsequent compliance will be the sole responsibility of the Contractor. By issuing and processing an Application for Payment, Construction Manager will not be deemed to represent that it has made any examination to ascertain how and for what the purpose the Contractor has used the previous monies paid on account of the construction contract sum.

i) Project Schedules: Construction Manager will receive, review and comment on the suitability of the detailed construction schedule prepared by the Contractor. Once approved, Construction Manager will monitor the schedule monthly and report on deviations from the schedule. Construction Manager will recommend necessary actions to Owner should the Contractor fail to correct schedule variances caused by the Contractor.

j) Evaluate Contractor Performance: Construction Manager will periodically evaluate the Contractor's performance and will recommend courses of action to Owner when the Contractors' schedule and quality objectives are not being met.

k) Provide Monthly Status Reports: Construction Manager will prepare a monthly status report which will include financial status reports and projections for cost of completion, change order status reports, potential claims identification and status, schedule status and identification of major problems encountered along with corrective action taken or recommended. The schedule status report will compare the status of construction with the construction schedules and Project schedules, making recommendations and recovery plans in the event the schedules do not match.

l) Quality Assurance Monitoring: Construction Manager will notify the Design Consultant and Owner in writing when it is the opinion of Construction Manager that the work does not conform to the requirements of the Construction Contract Documents. Construction Manager is not authorized to change, revoke, enlarge, relax, alter, or release any requirements of the Construction Contract Documents or to approve or accept any portion of the work not performed strictly in accordance with the Contract Documents.

III. CLOSE OUT PHASE SERVICES

a) Determine Final Completion of the Project: Construction Manager will determine, in conjunction with the Design Consultant and Owner, final completion of the Project. Upon completion, Construction Manager will receive the Contractor's final application for payment, confer with the Design Consultant and Owner to determine if all records, certificates, guarantees, warranties and releases have been received, obtain signatures from the Design Consultant and forward to Owner for final payment. In the event any of the items listed above have not been submitted, Construction Manager will assist Owner in obtaining completed items from the appropriate parties. Construction Manager will monitor the final payment process for compliance with contract documents.

b) Operations & Maintenance Manuals: Construction Manager will work with the Design Consultant and Contractor to coordinate delivery of operations manuals and warranties provided to the Owner in a timely manner.

c) Coordinate Punch-List Activities: In consultation with the Owner. Construction Manager will arrange for and coordinate preparation of punch-lists by the Design Consultant when requested by the Contractor or Owner. PM will assist the Design Consultant in verifying completion of punch-list activities and in determining substantial completion of the Project. In consultation with the Owner, Construction Manager will arrange for issuance of the Certificate of Substantial Completion by the Design Consultant to the Contractor.

d) Occupancy Activities: Construction Manager will review occupancy schedules prepared by Design Consultant, and will detail and coordinate the activities between final inspection of the Project and the Owner's occupancy needs.

f) Plan for Correction of Defective Items: Construction Manager will assist the Owner to develop a plan to facilitate the correction of defective items that require repair or replacement during the warranty period.

g) Transfer of Final Record Set of Documents: Construction Manager will monitor Contractor's preparation of record drawings and specifications and coordinate and expedite the transmittal of the record documents to the Owner. Construction Manager will prepare the final Project accounting and close out reports.

End of Section

ATTACHMENT "B"

Schedule of Direct Expense

Schedule of Direct Expenses	
Item	Reimbursable Multiplier of Direct Cost
Computers	0
Inner Office Copies	0
Postage and Courier	1.1
Office Supplies	0
Digital Cameras	0
Plans and Specifications Reproducibles	1.1

No expenses reimbursable by Owner hereunder shall be incurred without the prior written approval of Owner through an Additional Services Agreement or other amendment to this Agreement.

ATTACHMENT "C"

"

Payment Schedule*

APPLICATION FOR PAYMENT

TO OWNER The County of Hidalgo, Texas
2812 So. Business Hwy 281
Edinburg, TX 78539

PROJECT: First Floor & Second Floor Renovation/Remoldeling
2812 So. Business Hwy 281
Edinburg, TX 78539

Applicatior ONE
Applicatior ########
Period From:
Period To;

APPLICATION FOR PAYMENT
Application is made for payment as shown below, in connection with the Contract.
(Continuation Sheet is attached)

1. ORIGINAL CONTR/ ########
2. Net Change by Ch 0
3. CONTRACT SUM TO DATE (Line 1 + 2)
4. TOTAL COMPLETED & STORED TO DATE (Column G on)
5. RETAINAGE
   a. 0 (Column D + E on Continuation Sheet)
   b. 0 (Column F on Continuation Sheet)
   Total Retainage (Line 5a + 5b or Total in Column 0.00
6. TOTAL EARNED LE 0.00 (Line 4 less Line 5 Total)
7. LESS PREVIOUS CE 0.00 (Line 6 from Prior Certificate)
8. CURRENT PAYMENT DUE
9. BALAN ######## (Line 3 less Line 6)

Prodigy Construction Services
1335 E. Jasmine Ave
McAllen, Texas 78501

By: _____ Date: _____
Alex Palacios

By: _____ Date: _____
Hidalgo County Representative

CHANGE O	ADDITIONS	DEDUCTIONS
Total changes approved in previous months by Owner		
Total approved this month		
TOTALS		0
NET CHANGES by Char		0

RECAP:
Total Billed this period
Retainage this period
Net billing this period $0.00

DRAFT

Attachment "D"

SAMPLE

Owner Work Authorization

Work Authorization No.	001

THIS WORK AUTHORIZATION is made between Prodigy Construction Management LLC and Hidalgo County (Owner)

PART 1. Scope of Work. The purpose of this Work Authorization is:

PART 2. Estimated Cost. The cost for services under this Work Authorization is

Estimated Cost ($)	$

PART 3. Payment. Compensation and payment for the services established under this Work Authorization shall be made on a monthly unless the work is completed prior to.

PART 4. Acceptance and Acknowledgement. This Work Authorization is hereby accepted and acknowledged as indicated below and effective as of _____ day of _____, 2013.

THE Consultant:
Prodigy Construction Management LLC

THE OWNER:
Hidalgo County

By:	Alex Palacios	By:	

Title: Date:	Principal/Owner	Title: Date:	

ACORD CERTIFICATE OF LIABILITY INSURANCE

DATE(MM/DD/YYYY) 9/23/2013

PRODUCER
JERRY MOLINA INSURANCE
3313 N Ware
McAllen, TX 78501
(956) 661-8338

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

INSURED Prodigy Construction Management, LLC

4009 Fir Ave
McAllen, TX 78501

INSURERS AFFORDING COVERAGE	NAIC#
INSURER A: FARMERS INSURANCE GROUP	
INSURER B:	
INSURER C:	
INSURER D:	
INSURER E:	

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	ADD'L INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
		GENERAL LIABILITY				EACH OCCURRENCE	$
		COMMERCIAL GENERAL LIABILITY				DAMAGE TO RENTED PREMISES (Ea occurence)	$
		[ ] CLAIMS MADE [ ] OCCUR				MED EXP (Any one person)	$
						PERSONAL & ADV INJURY	$
		GEN'L AGGREGATE LIMIT APPLIES PER:				GENERAL AGGREGATE	$
		[ ] POLICY [ ] PRO-JECT [ ] LOC				PRODUCTS - COMP/OP AGG	$
A		AUTOMOBILE LIABILITY				COMBINED SINGLE LIMIT (Ea accident)	$
		[ ] ANY AUTO					
		[ ] ALL OWNED AUTOS				BODILY INJURY (Per person)	$ 500,000
		[X] SCHEDULED AUTOS					
		[ ] HIRED AUTOS	604895389	03-16-13	03-16-14	BODILY INJURY (Per accident)	$ 500,000
		[ ] NON-OWNED AUTOS					
						PROPERTY DAMAGE (Per accident)	$ 500,000
		GARAGE LIABILITY				AUTO ONLY - EA ACCIDENT	$
		[ ] ANY AUTO				OTHER THAN AUTO ONLY: EA ACC	$
						AGG	$
		EXCESS/UMBRELLA LIABILITY				EACH OCCURRENCE	$
		[ ] OCCUR [ ] CLAIMS MADE				AGGREGATE	$
							$
		[ ] DEDUCTIBLE					$
		[ ] RETENTION $					$
		WORKERS COMPENSATION AND EMPLOYERS' LIABILITY				[ ] WC STATU-TORY LIMITS [ ] OTH-ER	
		ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED?				E.L. EACH ACCIDENT	$
		If yes, describe under SPECIAL PROVISIONS below				E.L. DISEASE - EA EMPLOYEE	$
						E.L. DISEASE - POLICY LIMIT	$
		OTHER					

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS

2009 FORD F250 SUPER, VIN 1FTSW21R79EA22027

CERTIFICATE HOLDER

City of Hidalgo
2812 LS US Hwy 281
Edinburg Tx 78539

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 10 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE

© ACORD CORPORATION 1988

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 6/21/2013

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME: Jennifer Smith
Siegeler Insurance Agency 172 West Austin Street Giddings TX 78942-3294	PHONE (A/C, No, Ext): (979) 542-3449 FAX (A/C, No): (979) 542-0469 E-MAIL ADDRESS: jsmith@siegins.com
INSURED Prodigy Construction Management, LLC 1335 E. Jasmine Ave. McAllen TX 78501	INSURER(S) AFFORDING COVERAGE — NAIC # INSURER A: Colony Insurance Company INSURER B: Texas Mutual Insurance Company INSURER C: Darwin Select Ins Co INSURER D: INSURER E: INSURER F:

COVERAGES CERTIFICATE NUMBER: 13-14 All Policies REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	GENERAL LIABILITY [X] COMMERCIAL GENERAL LIABILITY [ ] CLAIMS-MADE [X] OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: [X] POLICY [ ] PRO-JECT [ ] LOC	X		GL4050013	3/23/2013	3/23/2014	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ 500,00 $ 100,00 $ 5,00 $ 500,00 $ 1,000,00 $ Include
	AUTOMOBILE LIABILITY [ ] ANY AUTO [ ] ALL OWNED AUTOS [ ] SCHEDULED AUTOS [ ] HIRED AUTOS [ ] NON-OWNED AUTOS						COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ $ $ $
	[ ] UMBRELLA LIAB [ ] OCCUR [ ] EXCESS LIAB [ ] CLAIMS-MADE [ ] DED [ ] RETENTION $						EACH OCCURRENCE AGGREGATE	$ $
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y/N [ ] (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	N/A		SBP-0001222324	3/23/2013	3/23/2014	WC STATU-TORY LIMITS [ ] OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$ 1,000,00 $ 1,000,00 $ 1,000,00
C	Professional Liability			0306-4964-2	3/23/2013	3/23/2014		$1,000,00

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

Additional Insured and Waiver of Subrogation in favor of Certificate Holder as required by written contract for General Liabilty. Waiver of Subrogation applies to Workers Comp Policy.

CERTIFICATE HOLDER

Hidalgo County
2812 S. Business Hwy 281
Edinburg, TX 78539

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

M T. Siegeler/JS

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STATE OF TEXAS §
§
COUNTY OF HIDALGO §

AMENDMENT NUMBER ONE
TO PROFESSIONAL SERVICE AGREEMENT BETWEEN
HIDALGO COUNTY, TEXAS AND
PRODIGY CONSTRUCTION MANAGEMENT, L.L.C.

This **AMENDMENT TO THE PROFESSIONAL SERVICE AGREEMENT** dated 22nd day of October, 2013 by and between **HIDALGO COUNTY** (the "County"), and **Prodigy Construction Management, L.L.C.,** (the "Company").

WHEREAS, Company and County entered into an Agreement dated September 11, 2013 in which the Company agreed to provide construction management services in connection with the remodeling and renovation of the 1st and 2nd Floor of the former Administration Building (the "Agreement")

WHEREAS, due to a delay in commencing the project by Owner, the Owner and Contractor have increased the Contractor's contract in the amount of $61,220.00;

WHEREAS, the Company's Basic Service Compensation in the Company's is calculated based upon a percentage of the final cost of construction; and

WHEREAS, the parties desire to amend the Agreement as hereinafter provided.

NOW THEREFORE, for and in consideration of the terms and provisions set forth herein, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, County and Company hereby agree to the following amendments to the Agreement:

1. Article 4.2(a) of the Agreement is hereby deleted in its entirety and the following shall be inserted in lieu thereof:

   The Basic Services Compensation to the Construction Manager is calculated at three and one-half percent (3.5%) of final cost of construction. Owner provided estimated construction budget is $3,375,220.00.

2. Except as modified herein, all terms and conditions of the Agreement, as amended, remain in full force and effect. Construction Manager and County ratify and confirm the terms and provisions of the Agreement as amended.

EXECUTED IN DUPLICATE ORIGINALS and effective as of the day and year first written above.

HIDALGO COUNTY

_____

Ramon Garcia, County Judge

ATTEST:

_____

Arturo Guajardo, Jr., County Clerk

Construction Management, L.L.C.

_____

Approved as to Form:
ATLAS & HALL, L.L.P.

_____

By: Stephen L. Crain

RE: Prodigy

From : Steve Crain <scrain@atlashall.com> Thu, Oct 17, 2013 04:44 PM
Subject : RE: Prodigy 2 attachments
To : 'Rocio Villarreal' <rocio.villarreal@co.hidalgo.tx.us>

The amendment is fine.

From: Rocio Villarreal [mailto:rocio.villarreal@co.hidalgo.tx.us]
Sent: Thursday, October 17, 2013 4:34 PM
To: Steve Crain
Subject: Fwd: Prodigy

Mr. Crain:

Just did the changes as requested please review and approve as to form.

Thank you.

Rocio V.

From: "Stephen L. Crain" <scrain@atlashall.com>
To: "Rocio Villarreal" <rocio.villarreal@co.hidalgo.tx.us>
Sent: Thursday, October 17, 2013 2:24:29 PM
Subject: FW: Prodigy

Hi Rocio:

See pdf doc 193 with revisions.

M

From: Rocio Villarreal [mailto:rocio.villarreal@co.hidalgo.tx.us]
Sent: Thursday, October 17, 2013 1:51 PM
To: Steve Crain
Subject: Fwd: Prodigy

Attached is the amendment with requested modifications. Please review and approve as to form.

Thank you.

ROCIO VILLARREAL
HIDALGO COUNTY PURCHASING DEPT.

Zimbra **marianella.canton@co.hidalgo.tx.us**

AI-41274

From : Rocio Villarreal <rocio.villarreal@co.hidalgo.tx.us> Thu, Oct 17, 2013 05:03 PM

Subject : AI-41274 3 attachments

To : marianella canton <marianella.canton@co.hidalgo.tx.us>

Ms. Canton:

Please attach backup to agenda 41274 except for the email sent by Ms. Marty to Alex Palacios.

ROCIO VILLARREAL
HIDALGO COUNTY PURCHASING DEPT.
CONTRACTS MANAGER
(956) 318-2626 Work
(956) 292-7000 Ext. 4868 Work
rocio.villarreal@co.hidalgo.tx.us
2812 S. Business Hwy 281
Edinburg, Texas 78539

From : Martha Salazar <martha.salazar@co.hidalgo.tx.us> Wed, Oct 16, 2013 01:49 PM

Subject : Re: D. Wilson-Amendment on the Renovation and Repair of 1st and 2nd Fl

To : Alex Palacios <apalacios@prodigycompany.com>

Cc : Valde Guerra <valde.guerra@co.hidalgo.tx.us>, Estanislado Ramos <stan.ramos@co.hidalgo.tx.us>, lauro torres <lauro.torres@co.hidalgo.tx.us>, Moises Salazar <moises.salazar@co.hidalgo.tx.us>, rocio villarreal <rocio.villarreal@co.hidalgo.tx.us>, Ray Eufracio <ray.eufracio@auditor.co.hidalgo.tx.us>

Mr. Palacios:
The Amendment will increase the total of the construction cost. This total is the basis for your fee of 3.5%. It appears that your total compensation would be increased by $2,142.70.
Hope this answers your question.
Thanks,
Marty

From: "Alex Palacios" <apalacios@prodigycompany.com>
To: "Martha Salazar" <martha.salazar@co.hidalgo.tx.us>, "Valde Guerra" <valde.guerra@co.hidalgo.tx.us>
Cc: "Estanislado Ramos" <stan.ramos@co.hidalgo.tx.us>, "lauro torres" <lauro.torres@co.hidalgo.tx.us>, "Moises Salazar" <moises.salazar@co.hidalgo.tx.us>, "rocio villarreal" <rocio.villarreal@co.hidalgo.tx.us>, "Ray Eufracio" <ray.eufracio@auditor.co.hidalgo.tx.us>
Sent: Wednesday, October 16, 2013 12:09:44 PM
Subject: RE: D. Wilson-Amendment on the Renovation and Repair of 1st and 2nd Fl

Ms. Marty for your response regarding Prodigy's increased fee amendment..

-Alex P.

From: Martha Salazar [mailto:martha.salazar@co.hidalgo.tx.us]
Sent: Wednesday, October 16, 2013 10:18 AM
To: Valde Guerra
Cc: Alex Palacios; Estanislado Ramos; lauro torres; Moises Salazar; rocio villarreal; Ray Eufracio
Subject: Re: D. Wilson-Amendment on the Renovation and Repair of 1st and 2nd Fl

To All:
Ms. Rocio Villarreal is in the last stages of finalizing the Amendment to include the $61,220.00 (accepted and approved by CC for the contractor) into Prodigy's agreement. She is scheduled to forward to Mr. Crain for his review and comment before lunch today. Simultaneously, she will create and submit an agenda item for the acceptance and approval of same on the next available CC meeting of 10-29-13.
Yours truly,
Marty Salazar

PS This is the same process used for the agreement with D. Wilson including the time line.

From: "Valde Guerra" <valde.guerra@co.hidalgo.tx.us>
To: "Alex Palacios" <apalacios@prodigycompany.com>
Cc: "Martha Salazar" <martha.salazar@co.hidalgo.tx.us>, "Estanislado Ramos" <stan.ramos@co.hidalgo.tx.us>, "lauro torres" <lauro.torres@co.hidalgo.tx.us>, "Moises Salazar"

Prodigy Construction Mgt-Amendment 1.pdf
16 KB

Legal Approval-Amendment No. 1.pdf
28 KB

AI-41203 **Purchasing Department** **16. B. 1.**

CC REGULAR

Meeting Date: 10/22/2013

Submitted For: Hon. AC Cuellar, Pct. #1 **Submitted By:** Marcie Jackson, COMM. PCT. #1

Department: COMM. PCT. #1

Information

CAPTION

Pct.1 – Claims/Invoices ASG, LLC
Requesting approval of the following claims/invoices with authority for the County Treasurer to issue payment/check after review, audit and processing procedures are completed by the County Auditor.

VENDOR NAME	INVOICE NO.	INVOICE DATE	TOTAL AMOUNT	ACCOUNT NO.
ASG SECURITY	22972910	10/01/2013	$23.45	3-1100-452-00-121-013-0-413

BACKGROUND

Invoice is being submitted as a claim do to there is not a current agreement with the Vendor.

Fiscal Impact

FISCAL YEAR: 2013 **ACCT. #:** 3-1100-452-00-121-013-0-413

FUNDS AVAILABLE Y/N?: Y **MATCHING FUNDS Y/N?:** N

BUDGETARY IMPACT:

Funds available as of 10/17/13.

Attachments

Invoice No.22972910

Form Review

Inbox	Reviewed By	Date
Purchasing Department	Marty Salazar	10/16/2013 04:41 PM
Budget & Management	Obdett Calzada	10/16/2013 05:00 PM
Glinda Pacheco	Glinda Pacheco	10/17/2013 02:29 PM
Auditor's Office	Monica Badillo	10/18/2013 04:51 PM

Form Started By: Marcie Jackson Started On: 10/11/2013 09:48 AM

Final Approval Date: 10/18/2013

AI-41203 10/22/13 R

INVOICE

ASG SECURITY

12301 Kiln Ct. Ste A
Beltsville, MD 20705
877-227-3274

Return Service Requested

Parks

Account Number:	4716460
Invoice Number:	22972910
Invoice Date:	10/01/2013
Due Date:	**10/31/2013**
Amount Due:	**46.90**
Amount Enclosed:	$ _____

☐ **Please check here if you have provided updated address or payment information on the reverse side.**

Please write your account number on your check. Use the enclosed envelope and make checks payable to:

1921000581 PRESORT 581 1 AV 0.360 P1C3 <B>

DELTA LAKE SHOP
HIDALGO PCT. 1 DELTA
1902 JOE STEPHENS AVE
WESLACO TX 78599-3700

ASG Security
PO Box 650837
Dallas, TX 75265-0837

00000000000 00000004716460 3 0022972910 00000000004690 0

To ensure proper credit, please return this portion with your payment.

ASG SECURITY

314 Ash Avenue
McAllen, TX 78501

Mailing Address: Hidalgo Pct. 1 Delta
1902 Joe Stephens Ave
Weslaco, TX 78596

Account Information

Account Number:	4716460
Invoice Number:	22972910
Invoice Date:	10/01/2013

Summary Of Charges

Previous account balance as of 10/01/13 — 23.45

Description	Qty	Unit Price	Amount
Remember to test your system monthly.			
Delta Lake Park/Hidalgo Co Route 1 Box 257-2			
Security Monitoring 11/01/13 - 11/30/13			23.45

10/10/13 RECEIVED

Current Charges	23.45
Payments Applied	*$0.00*
Total Amount Due	**46.90**

CURRENT	OVER 30 DAYS	OVER 60 DAYS	OVER 90 DAYS
$23.45	$23.45	$0.00	$0.00

Important Messages

We greatly appreciate your business and look forward to serving you.

To make a payment or to set up an automatic payment, please call 877-227-3274 or fill out the back of the remittance and fax it to 301-931-1127.



INVOICE RECEIVED By Melissa Robledo on 10/10/13
GOODS/SERVICES RECEIVED BY: on 11/1/13 to 11/30/13
Monthly services

PCT # 1
PARKS
3-1100452-00-121-013-0-413

T261LNDH

AI-41114 **Purchasing Department 16. C. 1.**

CC REGULAR

Meeting Date: 10/22/2013

Submitted By: Yolanda Velasquez, PURCHASING DEPT.

Department: PURCHASING DEPT.

Information

CAPTION

Discussion, consideration, and action on a recommendation by R. Gutierrez Engineering Corporation, to award to lowest bidder meeting all specification as listed: RDH Site & Concrete Company of Pharr, Texas in the amount of $297,936.13 for RFB 2013-250-09-04-YZV - "Road & Drainage Construction for Rancho Blanco Road".

BACKGROUND

Fiscal Impact

FISCAL YEAR: 2013 **ACCT. #:** 3-1200-431-00-122-086-0-731

FUNDS AVAILABLE Y/N?: Y/Pending **MATCHING FUNDS Y/N?:**

BUDGETARY IMPACT:

Available balance as of 10-11-13 $290,458.50
Funding pending approval of an Interdept. transfer (AI# 41106 10-22-13)

Attachments

BID TAB-Engineers-Agapitos Recommendation

Form Review

Inbox	Reviewed By	Date
Purchasing Department	Darlene Betancourt	10/11/2013 10:11 AM
Budget & Management	Obdett Calzada	10/11/2013 01:32 PM
Manuel Chapa	Manuel Chapa	10/16/2013 09:53 AM
Auditor's Office	Monica Badillo	10/18/2013 04:51 PM

Form Started By: Yolanda Velasquez Started On: 10/08/2013 10:17 AM

Final Approval Date: 10/18/2013

HIDALGO COUNTY PURCHASING DEPARTMENT
BID TABULATION SHEET

DEPARTMENT NAME: HIDALGO COUNTY PRECINCT NO. 2

BID OPENING DATE: September 04, 2013	**BID OPENING TIME: 9:30 A.M.**

DESCRIPTION OF BID: "ROAD & DRAINAGE CONSTRUCTION FOR RANCHO BLANCO ROAD"

BID NO: 2013-250-09-04-YZV

RFB NO.	NAME OF COMPANY	TOTAL BID AMOUNT FOR CONSTRUCTION	Bid Bond/ Cashier's Check
1.	OG Construction Company, LLC	$343,307.00	Bid Bond Included
2.	2 GS LLC	$325,878.25	Bid Bond Included
3.	Texas Cordia Construction, LLC	$337,372.39	Bid Bond Included
4.	RDH Site and Concrete	Correct: $297,936.13 READ: $298,000.00	Bid Bond Included
5.	Rojas Heavy Equipment, LLC dba Rojas Construction & Paving	Correct: $316,558.00 READ: $316,508.00	Bid Bond Included
6.	GP7 Construction, LLC	$429,628.50	Bid Bond Included
7.			
8.			
9.			
10.			

R. Gutierrez Engineering Corporation
Texas Engineering Firm Number: F-486
Texas Surveying Firm Number: 101650-00

September 30, 2013

Hector "Tito" Palacios
County Commissioner
Hidalgo County Precinct No. 2
300 W. Hall Acres, Suite G
Pharr, TX 78577

RE: Recommendation for Award: "Hidalgo County Pct 2 – Road & Drainage Construction for Rancho Blanco Road" - Bid No. 2013-250-09-04-YZV

Dear Commissioner Palacios:

On Wednesday, September 4, 2013, at 9:30 a.m. in the Hidalgo County Purchasing Department Conference Room, bids were opened and read aloud for the above captioned project. Six (6) bids were received for this project. The low responsive base bid was for **$297,936.13** from **RDH Site & Concrete Company** of Pharr, Texas.

Enclosed is a copy of the Bid Proposal Forms, and Bid Tabulation Forms. We have reviewed the bids submitted and are recommending award of the contract base bid to the lowest responsive bidder being **RDH Site & Concrete Company** of Pharr, Texas, for **$297,936.13.**

There were three discrepancies with the bids submitted. These are as follows:

1. **RDH Site & Concrete Company** had errors in calculating the extension of the unit price on eight line items. The corrected total bid for this company is $297,936.13.

2. **Rojas Heavy Equipment, LLC dba Rojas Construction & Paving** had errors in calculating the extension of the unit price on eight line items. The corrected total bid for this company is $316,558.00.

All changes are shown highlighted in yellow on the bid tabulation sheet. If you have any questions or require our assistance please do not hesitate to call us. We are ready to assist you in making this project a success. You can call me at 956-782-2557 or on my mobile at 956-227-2154.

Sincerely,

Ramiro Gutierrez, P.E.
President

cc: Files
Encl

130 E. Park Ave – Pharr, Texas 78577 – Tel: 956-782-2557 – Fax: 956-782-2558 – Email: rgutierrez@rgec.net

R. Gutierrez Engineering Corporation
130 E. Park Avenue
Pharr, Texas 78577

9/5/2013

BID TABULATION

Hidalgo County Precinct No. 2 - Road & Drainage Construction for Rancho Blanco Road

DATE: September 4, 2013
TIME: 9:30 AM
LOCATION: Hidalgo County Purchasing Department

Item Number	Estimated Quantity	Unit	Item Description	OG Construction Company, LLC		2GS, LLC		Texas Concordia Construction, LLC		RDH Site & Concrete		Rojas Heavy Equipment, LLC dba Rojas Construction & Paving		GP7 Construction, LLC	
				Unit Bid	Total Bid	Unit Bid	Total Bid	Unit Bid	Total Bid	Unit Bid	Total Bid	Unit Bid	Total Bid	Unit Bid	Total Bid
ROADWAY & DRAINAGE CONSTRUCTION															
110	595.00	CY	Excavation (Roadway)	9.00	$5,355.00	5.00	$2,975.00	9.96	$5,926.20	15.00	$8,925.00	6.00	$3,570.00	7.00	$4,165.00
132	475.00	CY	Embankment (Final) (Dens. Cont.) (Ty C)	8.00	$3,800.00	5.00	$2,375.00	9.03	$4,289.25	15.00	$7,125.00	8.00	$3,800.00	5.00	$2,375.00
164	5,670.00	SY	Cell Fiber Mulch Seeding (Temp)(Warm)	0.50	$2,835.00	0.75	$4,252.50	0.40	$2,268.00	0.50	$2,835.00	1.20	$6,804.00	0.50	$2,835.00
164	5,670.00	SY	Cell Fiber Mulch Seeding (Perm)(Urban)(Clay)	0.50	$2,835.00	0.75	$4,252.50	0.34	$1,927.80	0.50	$2,835.00	1.20	$6,804.00	0.30	$1,701.00
168	190.00	MG	Vegetative Watering	55.00	$10,450.00	40.00	$7,600.00	31.03	$5,895.70	10.52	$1,998.80	50.00	$9,500.00	30.00	$5,700.00
247	1,800.00	CY	Flexible Base (Ty E) (Gr 4) (Final Position) (8")	36.00	$64,800.00	28.75	$51,750.00	31.86	$57,348.00	28.94	$52,092.00	17.00	$30,600.00	35.00	$63,000.00
260	7,708.00	SY	Lime Treat (Existing Material) (Dens Cont) (6")	1.00	$7,708.00	3.00	$23,124.00	2.00	$15,416.00	2.63	$20,272.04	3.25	$25,051.00	6.00	$46,248.00
260	124.00	TON	Lime (Slurry or Commercial Slurry)	185.00	$22,940.00	175.00	$21,700.00	218.75	$27,125.00	233.84	$28,996.16	180.00	$22,320.00	168.00	$20,832.00
310	2,116.00	GAL	Prime Coat (MC-30)	5.00	$10,580.00	5.00	$10,580.00	6.17	$13,055.72	3.00	$6,348.00	8.00	$16,928.00	5.00	$10,580.00
340	773.00	TON	Dense Graded Hot Mix Asphalt (Method) (Ty D) (2-inch)	135.00	$104,355.00	90.00	$69,570.00	119.11	$92,072.03	100.00	$77,300.00	85.00	$65,705.00	135.00	$104,355.00
464	870.00	LF	RCP (CL III) (18") (SPL)	30.00	$26,100.00	32.00	$27,840.00	34.89	$30,354.30	28.73	$24,995.10	25.00	$21,750.00	38.00	$33,060.00
467	46.00	EA	Safety End Treatment (18") (6:1)	630.00	$28,980.00	600.00	$27,600.00	378.75	$17,422.50	434.78	$19,999.88	750.00	$34,500.00	975.00	$44,850.00
502	3.00	MO	Barricades, Signs & Traffic Handling	1,000.00	$3,000.00	2,000.00	$6,000.00	4,180.01	$12,540.03	1,000.00	$3,000.00	3,200.00	$9,600.00	2,500.00	$7,500.00
506	168.00	SY	Construction Exits (Ty II)(Install)	5.00	$840.00	9.00	$1,512.00	13.42	$2,254.56	5.95	$999.60	20.00	$3,360.00	30.00	$5,040.00
506	168.00	SY	Construction Exits (Remove)	2.00	$336.00	3.00	$504.00	3.02	$507.36	5.95	$999.60	10.00	$1,680.00	15.00	$2,520.00
506	400.00	LF	Temp Sediment Control Fence	2.00	$800.00	3.00	$1,200.00	3.49	$1,396.00	2.50	$1,000.00	3.00	$1,200.00	5.15	$2,060.00
530	383.00	SY	Driveways (Asphalt Concrete Pavement)	13.00	$4,979.00	15.00	$5,745.00	16.22	$6,212.26	15.00	$5,745.00	25.00	$9,575.00	25.00	$9,575.00
530	144.00	SY	Turnouts (Asphalt Concrete Pavement)	15.00	$2,160.00	15.00	$2,160.00	17.04	$2,453.76	15.00	$2,160.00	32.00	$4,608.00	35.00	$5,040.00
530	52.00	SY	Driveways (Concrete)	32.00	$1,664.00	38.00	$1,976.00	36.76	$1,911.52	40.00	$2,080.00	54.00	$2,808.00	35.00	$1,820.00
560	9.00	EA	Mailbox Installation (Single)	10.00	$90.00	75.00	$675.00	177.47	$1,597.23	50.00	$450.00	200.00	$1,800.00	300.00	$2,700.00
560	2.00	EA	Mailbox Installation (Brick)	400.00	$800.00	300.00	$600.00	1,726.65	$3,453.30	200.00	$400.00	1,000.00	$2,000.00	650.00	$1,300.00
644	6.00	EA	Ins Sm Rd Sn Sup & Assem Ty S80 (1) SA(T)	200.00	$1,200.00	360.00	$2,160.00	536.74	$3,220.44	500.00	$3,000.00	500.00	$3,000.00	500.00	$3,000.00
666	200.00	LF	Refl Pav Mrk Ty I (Y) (4") (Sld) (100 Mil)	4.00	$800.00	4.50	$900.00	7.04	$1,408.00	5.00	$1,000.00	1.25	$250.00	0.65	$130.00
666	630.00	LF	Refl Pav Mrk Ty I (Y) (4") (Bkn) (100 Mil)	4.00	$2,520.00	4.50	$2,835.00	2.24	$1,411.20	5.00	$3,150.00	1.25	$787.50	0.75	$472.50
672	52.00	EA	Refl Pav Mrk (Ty II A-A)	20.00	$1,040.00	6.00	$312.00	27.09	$1,408.68	5.00	$260.00	5.00	$260.00	5.00	$260.00
5261	8,085.00	SY	TRIAX GEOGRID (TX 5)	4.00	$32,340.00	5.65	$45,680.25	3.03	$24,497.55	2.47	$19,969.95	3.50	$28,297.50	6.00	$48,510.00
			DRAIN DITCH CONSTRUCTION SUBTOTAL		**$343,307.00**		**$325,878.25**		**$337,372.39**		**$297,936.13**		**$316,558.00**		**$429,628.50**

SUBMITTED AMOUNTS (READ)	**$343,307.00**	**$325,878.25**	**$337,372.39**	**$298,000.00**	**$316,508.00**	**$429,628.50**

Zimbra **yolanda.velasquez@co.hidalgo.tx.us**

Agenda Item Low Bid Award Rancho Blanco

From : Agapito Vargas <agapito.vargas@co.hidalgo.tx.us> Mon, Oct 07, 2013 03:17 PM

Subject : Agenda Item Low Bid Award Rancho Blanco 2 attachments

To : Yolanda Velasquez <yolanda.velasquez@co.hidalgo.tx.us>

Cc : Raul Silguero <raul.silguero@co.hidalgo.tx.us>, erika zamora <erika.zamora@co.hidalgo.tx.us>, Carlos Jasso <carlos.jasso@co.hidalgo.tx.us>, Yvette Salinas <yvette.salinas@co.hidalgo.tx.us>, Ramiro Gutierrez <rgutierrez@rgec.net>

Yolanda, please place the following item on CC agenda for Tuesday 22nd October 2013:
Approval to award contract to low bidder for Hidalgo County Precinct 2 Road and Bridge Project.
Project Name: Rancho Blanco Road (1/4 mile east Alamo Road to South Tower Road)
Project Location: Precinct 2
Low Bidder: RDH Site and Concrete Company; Pharr, TX
Project Engineer: R. Gutierrez Engineering Corporation
Account: 3-1200-431-00-122-086-0-731

Attached is engineer's letter of recommendation, cost breakdown, engineer's tabulation sheet and agenda item AI-41106 regarding a line item transfer to cover the entire cost of the low bid award.
Thanks,
Agapito

ltr recom rancho blanco r guti .PDF
2 MB
Agenda Item AI-41106.pdf
224 KB

AI-41240 **Purchasing Department 16. C. 2.**

CC REGULAR

Meeting Date: 10/22/2013

Submitted For: Raul Silguero **Submitted By:** Carlos Jasso, COMM. PCT. #2

Department: COMM. PCT. #2

Information

CAPTION

Approval of the following with Dos Logistics, Inc. contracted vendor for the Pct 2 Minnesota Drain Project as submitted through project engineer Ramiro Gutierrez (Contract No. 10-5066-000-5043):

a. Retainage Release in the amount of $39,133.35;

b. Certificate of Construction Completion reflecting the date of May 6, 2013.

BACKGROUND

$ 162.20 were paid by Urban County, which is part of a retainage, and the remaining balance will be paid by Pct. 2

Fiscal Impact

FISCAL YEAR: 2013 **ACCT. #:** 3-1342-431-00-122-058-0-733/841

FUNDS AVAILABLE Y/N?: Y **MATCHING FUNDS Y/N?:** N

BUDGETARY IMPACT:

Funding available through PO# 692314 in the amount of $39,295.55 for Dos Logistics, Inc., Change Order No. 2 was approved by Commissioners Court on 9/11/2013 AI#40405 and will be processed by the auditors upon receipt of invoice.

Attachments

Certificate of Construction Completion

Schedule of Values

Quantity Worksheet

Retainage Release

Form Review

Inbox	Reviewed By	Date
Purchasing Department	Marty Salazar	10/16/2013 04:42 PM
Budget & Management	Obdett Calzada	10/16/2013 05:01 PM
Auditor's Office	Monica Badillo	10/18/2013 04:51 PM

Form Started By: Carlos Jasso Started On: 10/15/2013 10:23 AM

Final Approval Date: 10/18/2013

CERTIFICATE OF CONSTRUCTION COMPLETION

THIS IS TO CERTIFY THAT ON 6th DAY OF May 2013, A FINAL INSPECTION was made of the project herein described:

CONTRACT

DATE: NOVEMBER 13, 2012

OWNER: Hidalgo County Precinct No. 2

CONSTRUCTION CONTRACTOR: DOS Logistics, Inc.

OF THE CITY OF Weslaco, STATE OF Texas

PROJECT DESCRIPTION

CONSTRUCTION OF: Pct. 2 Flood Drainage Improvements for the project known as the "Minnesota Drain" for Texas General Land Office (GLO) contract No. 10-5066-000-5043 and DRS 010068

UCP CONTRACT NO.: 6536-92-0309-5000-9200-UCP-CJ

LOCATED IN OR NEAR THE CITY OF: San Juan, Texas

THIS IS TO CERTIFY:

1. That the work has been completed in accordance with the plans and specifications and all addenda, change orders, supplemental agreements thereto, and with the following exceptions: None

2. That the sum of 0 dollars and 00 /100 dollars ($ 0.00), be deducted from the final payment of the Contractor

3. That the contractor has presented a "Certificate of Release" stating under oath, that all claims arising out of the performance of work have been fulfilled, and the OWNER is released from all claims arising under or by virtue of said contract.

4. That the CONTRACTOR has presented in behalf of itself and its sureties, satisfactory evidence that it is bound to repair, replace, and make good any faulty workmanship and/or materials discovered in the work within a period of one year from this date, as provided in said contract.

5.	Amount of Original Contract	$ 332,037.95
	Present Amount of Contract	$ 392,955.45
	Total Amount of earned to date	$ 392,955.45
	Less: previous payments	$ 353,659.90
	Balance	$ 39,295.55
	Authorized deductions	$ 00.000.00
	AMOUNT OF FINAL PAYMENT	$ 39,295.55

6. That the final payment in the amount of $ Thirty-Nine Thousand Two Hundred Ninety-Five Dollars and Fifty-Five Cents ($39,295.55) is now due and payable.

P.E.

Engineer's Signature
Ramiro Gutierrez, P.E.

CONCURRED BY:

DOS LOGISTICS, INC.

BY: Eric C. Ybarra

TITLE: Executive Vice President

CONCURRED BY:

URBAN COUNTY PROGRAM

BY: DIANA R. SERNA

TITLE: UCP DIRECTOR

Schedule of Values

Contractor Name:	DOS Logistics, Inc.
Starting Date:	December 26, 2012
Project Ending Date:	April 24, 2013
Retainage Percent:	10%

Application:	RETAINAGE
Application Date:	May 7, 2013
Period To:	April 24, 2013
Engineer Firm	R. Gutierrez Eng. Corp.

Summary

Contract Number	Description	Original Schedule Value	C O #1 Schedule Value	C O #2 Schedule Value	Application #1	Retainage for App #1	Payment for Application #1	Application #2	Retainage for App #2	Payment for Application #2	Application #3	Retainage for App #3	Payment for Application #3	Final Application	Retainage for Final App	Payment for Final Application	Total Completed to Date	Retainage to Date	Total Completed Less Retainage	Previous Payments	Balance To Finish
6536-92-0309-5000-9200-UCP-CJ	Hidalgo County Urban County Program - Minnesota Drain - DLO-GRS	$ 332,037.95	$ 388,008.20	$ 392,955.45	$ 127,490.00	$ 12,749.00	$ 114,741.00	$ 143,396.20	$ 14,339.62	$ 129,056.58	$ 113,108.25	$ 11,310.83	$ 101,797.42	$ 8,961.00	$ 896.10	$ 8,064.90	$ 392,955.45	$ 39,295.55	$ 353,659.90	$ 353,659.90	$ -
	TOTALS:	$ 332,037.95	$ 388,008.20	$ 392,955.45	$ 127,490.00	$ 12,749.00	$ 114,741.00	$ 143,396.20	$ 14,339.62	$ 129,056.58	$ 113,108.25	$ 11,310.83	$ 101,797.42	$ 8,961.00	$ 896.10	$ 8,064.90	$ 392,955.45	$ 39,295.55	$ 353,659.90	$ 353,659.90	$ -

Contractor Name: DOS Logistics, Inc
Starting Date: December 26, 2012
Project Ending Date: April 24, 2013
Engineer's / County Project Desc: Hidalgo County Urban County Program - Minnesota Drain - DLO-GRS

Application: RETAINAGE
Application Date: May 7, 2013
Period To: April 24, 2013
Engineer's / County Project No.: ENG09.001

No.	Item Code	Description	Unit	Original Schedule Value			Change Order #1 Revised Schedule Value			Change Order #2 Revised Schedule Value			Application #1			Application #2			Application #3			Final Application				Balance To Finish	
				Original Rates	Quan	Dollars	Revised Rates	Quan	Dollars	Revised Rates	Quan	Dollars	Monthly Quan	QTY to Date	Item Cost (Monthly)	Monthly Quan	QTY to Date	Item Cost (Monthly)	Monthly Quan	QTY to Date	Item Cost (Monthly)	Monthly Quan	QTY to Date	Item Cost (Monthly)	Total to Date	Quan	Dollars
1	110	Excavation (Channel)	CY	$ 5.00	193.00	$ 965.00	$ 5.00	193.00	$ 965.00	$ 5.00	193.00	$ 965.00		-	$ -	193.00	193.00	$ 965.00		193.00	$ -		193.00	$ -	$ 965.00	0.00	$ -
2	132	Embankment (Final Pos) (Dens. Cont.)(Ty "C")	CY	$ 16.00	120.00	$ 1,920.00	$ 16.00	120.00	$ 1,920.00	$ 16.00	128.00	$ 2,048.00		-	$ -	120.00	120.00	$ 1,920.00		120.00	$ -	8.00	128.00	$ 128.00	$ 2,048.00	0.00	$ -
3	400	Cement Stabilized Backfill	CY	$ 30.00	25.00	$ 750.00	$ 30.00	181.00	$ 5,430.00	$ 30.00	181.00	$ 5,430.00		-	$ -	25.00	25.00	$ 750.00	156.00	181.00	$ 4,680.00		181.00	$ -	$ 5,430.00	0.00	$ -
4	400	Cut & Restore Pavement	SY	$ 40.00	412.00	$ 16,480.00	$ 40.00	412.00	$ 16,480.00	$ 40.00	412.00	$ 16,480.00		-	$ -		-	$ -	412.00	412.00	$ 16,480.00		412.00	$ -	$ 16,480.00	0.00	$ -
5	402	Trench Excavation Protection	LF	$ 3.50	1,575.00	$ 5,512.50	$ 3.50	4,169.00	$ 14,591.50	$ 3.50	4,169.00	$ 14,591.50	690.00	690.00	$ 2,415.00	785.00	1,475.00	$ 2,747.50	2,694.00	4,169.00	$ 9,429.00		4,169.00	$ -	$ 14,591.50	0.00	$ -
6	484	RCP (Sewer) (CL III) (18") (SPL)	LF	$ 28.50	646.00	$ 18,411.00	$ 28.50	646.00	$ 18,411.00	$ 28.50	674.00	$ 19,209.00	294.00	294.00	$ 8,379.00	328.00	622.00	$ 9,348.00	24.00	646.00	$ 684.00	28.00	674.00	$ 798.00	$ 19,209.00	0.00	$ -
7	484	RCP (Sewer) (CL III) (24") (SPL)	LF	$ 40.00	665.00	$ 26,600.00	$ 40.00	665.00	$ 26,600.00	$ 40.00	665.00	$ 26,600.00	465.00	465.00	$ 18,600.00	200.00	665.00	$ 8,000.00		665.00	$ -		665.00	$ -	$ 26,600.00	0.00	$ -
8	484	RCP (Sewer) (CL III) (30") (SPL)	LF	$ 55.40	318.00	$ 17,617.20	$ 55.40	318.00	$ 17,617.20	$ 55.40	318.00	$ 17,617.20	205.00	205.00	$ 11,357.00	113.00	318.00	$ 6,260.20		318.00	$ -		318.00	$ -	$ 17,617.20	0.00	$ -
9	484	RCP (Sewer) (CL III) (42") (SPL)	LF	$ 99.00	1,390.00	$ 137,610.00	$ 99.00	1,390.00	$ 137,610.00	$ 99.00	1,390.00	$ 137,610.00	690.00	690.00	$ 68,310.00	592.00	1,282.00	$ 58,608.00	108.00	1,390.00	$ 10,692.00		1,390.00	$ -	$ 137,610.00	0.00	$ -
10	465	Manhole (Ty M)	EA	$ 3,705.00	6.00	$ 22,230.00	$ 3,705.00	6.00	$ 22,230.00	$ 3,705.00	6.00	$ 22,230.00		-	$ -	3.00	3.00	$ 11,115.00	3.00	6.00	$ 11,115.00		6.00	$ -	$ 22,230.00	0.00	$ -
11	465	Manhole (Ty M w Inlet Riser Ty C)	EA	$ 3,657.50	1.00	$ 3,657.50	$ 3,657.50	1.00	$ 3,657.50	$ 3,657.50	1.00	$ 3,657.50		-	$ -	1.00	1.00	$ 3,657.50		1.00	$ -		1.00	$ -	$ 3,657.50	0.00	$ -
12	465	Inlet (Ty C)	EA	$ 2,850.00	3.00	$ 8,550.00	$ 2,850.00	4.00	$ 11,400.00	$ 2,850.00	4.00	$ 11,400.00	2.00	2.00	$ 5,700.00	1.00	3.00	$ 2,850.00	1.00	4.00	$ 2,850.00		4.00	$ -	$ 11,400.00	0.00	$ -
13	465	Inlet (Ty CC)	EA	$ 3,515.00	5.00	$ 17,575.00	$ 3,515.00	5.00	$ 17,575.00	$ 3,515.00	5.00	$ 17,575.00	3.00	3.00	$ 10,545.00	2.00	5.00	$ 7,030.00		5.00	$ -		5.00	$ -	$ 17,575.00	0.00	$ -
14	467	Safety End Treatment (18") (4:1)	EA	$ 650.00	11.00	$ 7,150.00	$ 650.00	11.00	$ 7,150.00	$ 650.00	11.00	$ 7,150.00		-	$ -	11.00	11.00	$ 7,150.00		11.00	$ -		11.00	$ -	$ 7,150.00	0.00	$ -
15	506	Construction Exits (Ty 2)	SY	$ 26.00	84.00	$ 2,184.00	$ 26.00	84.00	$ 2,184.00	$ 26.00	84.00	$ 2,184.00	84.00	84.00	$ 2,184.00		84.00	$ -		84.00	$ -		84.00	$ -	$ 2,184.00	0.00	$ -
16	506	Construction Exits (Remove)	SY	$ 16.00	84.00	$ 1,344.00	$ 16.00	84.00	$ 1,344.00	$ 16.00	84.00	$ 1,344.00		-	$ -		-	$ -	84.00	84.00	$ 1,344.00		84.00	$ -	$ 1,344.00	0.00	$ -
17	506	Temp Sediment Control Fence	LF	$ 3.50	1,235.00	$ 4,322.50	$ 3.50	1,235.00	$ 4,322.50	$ 3.50	1,235.00	$ 4,322.50		-	$ -	1,235.00	1,235.00	$ 4,322.50		1,235.00	$ -		1,235.00	$ -	$ 4,322.50	0.00	$ -
18	529	Concrete Curb & Gutter (Ty A)(Barrier)	LF	$ 10.00	14.00	$ 140.00	$ 10.00	14.00	$ 140.00	$ 10.00	14.00	$ 140.00		-	$ -		-	$ -	14.00	14.00	$ 140.00		14.00	$ -	$ 140.00	0.00	$ -
19	4035	15" RCLHPP (CL III)	LF	$ 24.25	1,341.00	$ 32,519.25	$ 24.25	1,341.00	$ 32,519.25	$ 24.25	1,361.00	$ 33,004.25		-	$ -	770.00	770.00	$ 18,672.50	571.00	1,341.00	$ 13,846.75	20.00	1,361.00	$ 485.00	$ 33,004.25	0.00	$ -
20	4035	30" Stand Pipe w Gate & Valve	EA	$ 5,000.00	1.00	$ 5,000.00	$ 5,000.00	1.00	$ 5,000.00	$ 5,000.00	1.00	$ 5,000.00		-	$ -		-	$ -	1.00	1.00	$ 5,000.00		1.00	$ -	$ 5,000.00	0.00	$ -
21	4035	15" Irrigation Vent Stand Pipe	EA	$ 1,500.00	1.00	$ 1,500.00	$ 1,500.00	1.00	$ 1,500.00	$ 1,500.00	1.00	$ 1,500.00		-	$ -		-	$ -	1.00	1.00	$ 1,500.00		1.00	$ -	$ 1,500.00	0.00	$ -
22	xxx	12" ADS High Density Plastic Pipe	LF	$ -	0.00	$ -	$ 23.15	1,150.00	$ 26,622.50	$ 23.15	1,150.00	$ 26,622.50		-	$ -		-	$ -	1,150.00	1,150.00	$ 26,622.50		1,150.00	$ -	$ 26,622.50	0.00	$ -
23	xxx	Sand Backfill	CY	$ -	0.00	$ -	$ 25.00	147.00	$ 3,675.00	$ 25.00	147.00	$ 3,675.00		-	$ -		-	$ -	147.00	147.00	$ 3,675.00		147.00	$ -	$ 3,675.00	0.00	$ -
24	xxx	Concrete Collars	EA	$ -	0.00	$ -	$ 100.00	6.00	$ 600.00	$ 100.00	7.00	$ 700.00		-	$ -		-	$ -	6.00	6.00	$ 600.00	1.00	7.00	$ 100.00	$ 700.00	0.00	$ -
25	xxx	Flowable Concrete Fill	CY	$ -	0.00	$ -	$ 95.00	52.25	$ 4,963.75	$ 95.00	10.00	$ 950.00		-	$ -		-	$ -	10.00	10.00	$ 950.00		10.00	$ -	$ 950.00	0.00	$ -
26	xxx	Concrete Pump	LS	$ -	0.00	$ -	$ 3,500.00	1.00	$ 3,500.00	$ 3,500.00	1.00	$ 3,500.00		-	$ -		-	$ -	1.00	1.00	$ 3,500.00		1.00	$ -	$ 3,500.00	0.00	$ -
27	xxx	42" Concrete Plug	EA	$ -	0.00	$ -	$ -	0.00	$ -	$ 750.00	1.00	$ 750.00		-	$ -		-	$ -		-	$ -	1.00	1.00	$ 750.00	$ 750.00	0.00	$ -
28	xxx	Relocate Conflict Manhole at Cul-de-Sac	EA	$ -	0.00	$ -	$ -	0.00	$ -	$ 1,000.00	1.00	$ 1,000.00		-	$ -		-	$ -		-	$ -	1.00	1.00	$ 1,000.00	$ 1,000.00	0.00	$ -
29	xxx	Tie-in Irrigation Line with 42" Drain Line	EA	$ -	0.00	$ -	$ -	0.00	$ -	$ 900.00	1.00	$ 900.00		-	$ -		-	$ -		-	$ -	1.00	1.00	$ 900.00	$ 900.00	0.00	$ -
30	xxx	Inlet/Manhole Break to Allow Water in Drain System	EA	$ -	0.00	$ -	$ -	0.00	$ -	$ 350.00	3.00	$ 1,050.00		-	$ -		-	$ -		-	$ -	3.00	3.00	$ 1,050.00	$ 1,050.00	0.00	$ -
31	xxx	Remove/Relocate Safety End Treatment	EA	$ -	0.00	$ -	$ -	0.00	$ -	$ 400.00	1.00	$ 400.00		-	$ -		-	$ -		-	$ -	1.00	1.00	$ 400.00	$ 400.00	0.00	$ -
32	xxx	Cover north Half of Ty "CC" Inlet	EA	$ -	0.00	$ -	$ -	0.00	$ -	$ 250.00	2.00	$ 500.00		-	$ -		-	$ -		-	$ -	2.00	2.00	$ 500.00	$ 500.00	0.00	$ -
33	xxx	Conc. Rip-Rap around inlets along Minnesota Rd	EA	$ -	0.00	$ -	$ -	0.00	$ -	$ 475.00	6.00	$ 2,850.00		-	$ -		-	$ -		-	$ -	6.00	6.00	$ 2,850.00	$ 2,850.00	0.00	$ -
		Total				$ 332,037.95			$ 388,008.20			$ 392,955.45			$ 127,490.00			$ 143,396.20			$ 113,108.25			$ 8,961.00			$ -

Printed Name: Javier Gutierrez
Signature:

Date: 25-Apr-2013

HIDALGO COUNTY

URBAN COUNTY PROGRAM

PROJECT - REQUEST FOR PAYMENT

City / Precinct: Hidalgo County Precinct Number 2
Project Name: Hidalgo County Urban County Program - Minnesota Drain - DLO-GRS
Contractor: DOS Logistics, Inc.
Address: 1005 E. Expressway 83
Address:
City / State: Weslaco, TX ZIP: 78596
Account Number: 6536-92-0309-5000-9200-UCP-CJ
Date: 8-15-13 HPG
Request for Payment No: RETAINAGE

Original Contract Amount	$	332,037.95
Net Changes by Urban County Change Orders	$	21,784.15
Net Changes by Precinct 2 Change Orders	$	39,133.35
Net Changes by Change Orders	$	60,917.50
Total Contract Amount to Date	$	392,955.45

Estimated % Project Completion to Date: 100.00%

Total Completed to Date	$	392,955.45
Add: Materials on Hand (verified by Engineer)	$	-
Total Contract Earned	$	392,955.45
Less: Retainage 10%	$	-
Net Contract Earned	$	392,955.45
Less: Previous Request for Payments	$	(353,659.90)
Amount Paid By Urban County for Pay Requet #5	$	(162.20)
Total Amount Precinct 2 Funds Due This Request	$	39,133.35
Total Amount Due This Request	$	39,133.35

Please accept the attached contractor's invoice as supportnig documentation for this request for payment. The project (is), (is not) on schedule as per contract time allowed.

PREPARED BY (CONTRACTOR) PE 8-15-13 HPG DATE

APPROVED BY (ENGINEER) 8-19-13 DATE

APPROVED BY PRECINCT 2 9/16/13 DATE

INVOICE RECEIVED BY: Elizabeth Casas ON 8/20/13

GOODS/SERVICES RECEIVED BY: Hector J. de Palacios ON 8/15/13

PC # 642314
3-1342-431-00-122-058-0-233/891
Req # 231264

AI-40093 **Purchasing Department** **16. C. 3.**

CC REGULAR

Meeting Date: 10/22/2013

Submitted For: Comm. Tito Palacios, Pct. #2 **Submitted By:** Moises Salazar, PURCHASING DEPT.

Department: PURCHASING DEPT.

Information

CAPTION

Requesting authority to advertise with approval of preliminary plans and specifications as developed by project architect ERO Architects for the project: Hidalgo County Precinct No. 2 - Equipment & Maintenance Facility, as requested by the Office of Commissioner Tito Palacios and concurred by Raul Sesin, P.E. (RFB No. 2013-096A-11-13-MSS).

BACKGROUND

Proposed Schedule of Events:

No.	Date	Event
1	10/26/13 and 11/02/13	Advertisements
2	11/04/13	Pre-Bid Conference
3	11/13/13	**BID OPENINGS**

Fiscal Impact

FISCAL YEAR: 2013 **ACCT. #:** 3-1342-431-00-122-053-0-XXX

FUNDS AVAILABLE Y/N?: **MATCHING FUNDS Y/N?:**

BUDGETARY IMPACT:

Inquiries as to funding impact are being made to both Pct. & DBM (Purchaisng).

Available funding under acct.# 3-1342-431-00-122-053-0-739 as of 10-17-13 $239,518.82

Other possible funding source: Sale of county Assets

Attachments

Project Plans -Pct 2 Vehicle Maintenance Facility

Specifications -Pct 2 Vehicle Maintenance Facility

Form Review

Inbox	Reviewed By	Date
Purchasing Department	Marty Salazar	10/16/2013 04:58 PM
Budget & Management	Obdett Calzada	10/16/2013 04:59 PM
Manuel Chapa	Manuel Chapa	10/17/2013 04:58 PM
Auditor's Office	Monica Badillo	10/18/2013 04:51 PM

Form Started By: Moises Salazar Started On: 08/07/2013

Final Approval Date: 10/18/2013

10/15/2013 5:09:06 PM

HIDALGO COUNTY PRECINCT NO.02
EDINBURG, TX

NEW VEHICLE MAINTENANCE FACILITY

CSP NO. 2013-096A-10-02-MSS

ERO PROJECT NO. 13012

COMMISSIONERS' COURT

RAMON GARCIA	COUNTY JUDGE
A.C. CUELLAR, JR.	COMMISSIONER PCT. 1
HECTOR "TITO" PALACIOS	COMMISSIONER PCT. 2
JOE M. FLORES	COMMISSIONER PCT. 3
JOSEPH PALACIOS	COMMISSIONER PCT. 4

CONSTRUCTION DOCUMENTS

PROJECT TEAM

OWNER:
HIDALGO COUNTY
PRECINCT No.02
300 W. HALL ACRES, SUITE G
PHARR, TEXAS 78577
TEL: 956.787.1891
FAX: 956.787.4683
HECTOR "TITO" PALACIOS,
COMMISSIONER PCT. 2

ARCHITECT:
ERO ARCHITECTS, LLC.
300 S. 8TH STREET
MCALLEN, TEXAS 78501
TEL: 956.664.0400
FAX: 956.661.0401
ELI R. OCHOA, AIA

STRUCTURAL ENGINEER:
CLH ENGINEERING, INC.
701 S. 15TH ST.
MCALLEN, TEXAS 78501
TEL: 956.687.5560
CLOROMIRO HINOJOSA, P.E.

MECHANICAL-ELECTRICAL-PLUMBING ENGINEER:
TRINITY MEP ENGINEERING, PLLC.
3533 MORELAND DR.
WESLACO, TEXAS 78596
TEL: 956.973.0500
FAX: 956.351.5750
LEONARDO MUÑOZ, P.E.

LOCATION



1051 N. DOOLITTLE RD, EDINBURG, TX 78542

SHEET LIST

GENERAL INFO	
GI005	CODE ANALYSIS AND LIFE SAFETY PLAN
GI002	ACCESSIBILITY REQUIREMENTS
GI003	ACCESSIBILITY REQUIREMENTS
GI004	PROJECT INFORMATION
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AS101	ENLARGED SITE PLANS
ARCHITECTURAL	
AE101	DIMENSIONAL FLOOR PLAN - EXTERIOR STORAGE & COVERED PARKING
AE103	ARCHITECTURAL FLOOR PLAN - EXTERIOR STORAGE & COVERED PARKING
AE100	DIMENSIONAL FLOOR PLAN - MAINTENANCE BUILDING
AE102	ARCHITECTURAL FLOOR PLAN - MAINTENANCE BUILDING
AE104	REFLECTED CEILING PLAN - MAINTENANCE BUILDING
AE105	REFLECTED CEILING PLAN - EXTERIOR STORAGE
AE106	ROOF PLAN - MAINTENANCE BUILDING
AE107	ROOF PLAN - EXTERIOR STORAGE & COVERED PARKING
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AE200	EXTERIOR ELEVATIONS
AE201	EXTERIOR ELEVATIONS
AE300	BUILDING SECTIONS
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AE302	WALL SECTIONS
AE303	WALL SECTIONS
AE304	WALL TYPES
AE400	ENLARGED FLOOR PLAN AND INT. ELEVATIONS
AE401	ENLARGED FLOOR PLAN AND INT. ELEVATIONS
AE402	CASEWORK SECTIONS
AE500	PLAN DETAILS
AE501	SECTION DETAILS
AE502	SECTION DETAILS
AE503	DOOR AND WINDOW DETAILS
AE600	DOOR AND WINDOW SCHEDULES
AF601	ROOM FINISH SCHEDULE
AE504	RCP DETAILS
MECHANICAL	
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M301	MECHANICAL DETAILS
ELECTRICAL	
ES101	ELECTRICAL SITE PLAN
E101	ELECTRICAL LIGHTING PLAN
E102	ELECTRICAL LIGHTING PARKING & STORAGE PLAN
E201	ELECTRICAL POWER PLAN
E301	ELECTRICAL SPECIAL SYSTEMS PLAN
E401	ELECTRICAL LEGEND
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PLUMBING	
P101	PLUMBING SEWER & VENT PLAN
P201	PLUMBING DOMESTIC WATER PLAN
P301	PLUMBING COMPRESSED AIR PLAN
P401	PLUMBING SCHEDULES
P501	PLUMBING DETAILS

SET #

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300 South 8th Street,
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ELI R.OCHOA, P.E., AIA
TEXAS REGISTRATION NO.
Engineer: 60251
Architect: 18160

CONSULTANTS

PROJECT NAME: HIDALGO COUNTY - PRECINCT 2
NEW VEHICLE MAINTENANCE FACILITY

PROJECT LOCATION: SOUTH "I" ROAD, PHARR, TEXAS 78577

PROJECT OWNER: HIDALGO COUNTY
2812 SOUTH BUSINESS HWY. 281, EDINBURG, TEXAS 78539

No.	Date	Description

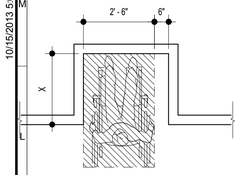
PROJECT NO.: 13012
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CHECKED BY: YIPG

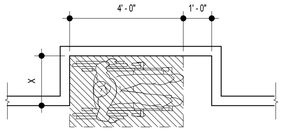
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GI001

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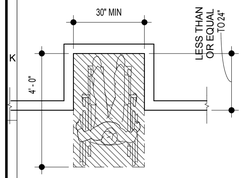
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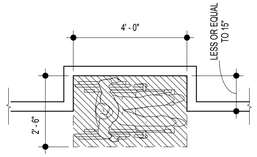




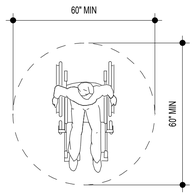
NOTE: IF X > 24" THEN AN ADDITIONAL MANEUVERUNG CLEARANCE OF 6" SHALL BE PROVIDED.

NOTE: IF X > 15" THEN AN ADDITIONAL MANEUVERUNG CLEARANCE OF 12" SHALL BE PROVIDED.

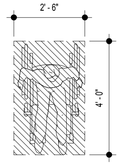




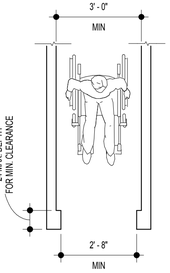
CLEAR FLOOR SPACE IN ALCOVES



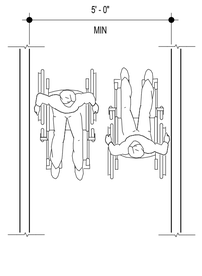
TURNING RADIUS CLEAR FLOOR SPACE



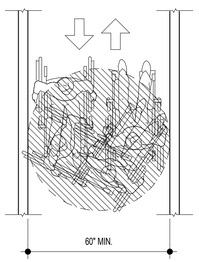
CLEAR FLOOR SPACE



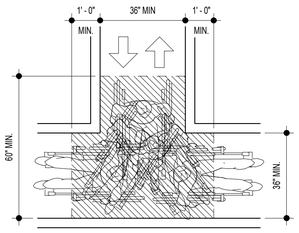
WHEELCHAIR PASSAGE WIDTH



DOUBLE WHEELCHAIR PASSAGE WIDTH

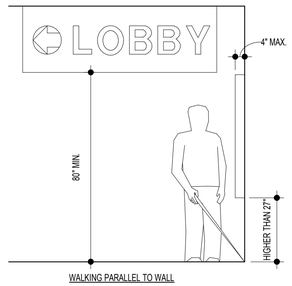


MINIMUM CLEAR WIDTH FOR TWO WHEELCHAIR

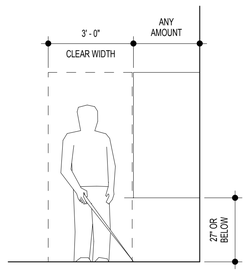


T-SHAPED SPACE FOR 180 DEGREE TURNS.

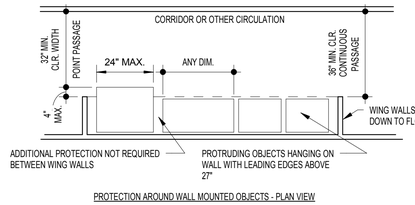
A1 SPACE ALLOWANCES
3/8" = 1'-0"



WALKING PARALLEL TO WALL

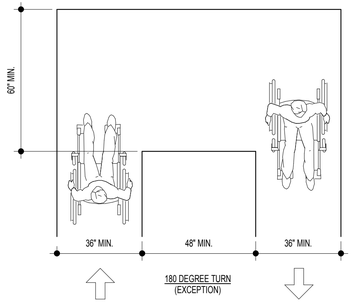


WALKING PARALLEL TO WALL

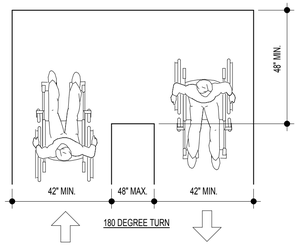


PROTECTION AROUND WALL MOUNTED OBJECTS - PLAN VIEW

K6 PROTRUDING OBJECTS
3/8" = 1'-0"

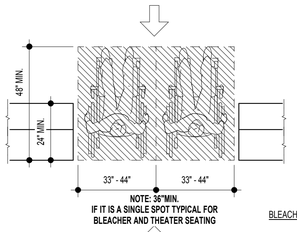


180 DEGREE TURN (EXCEPTION)

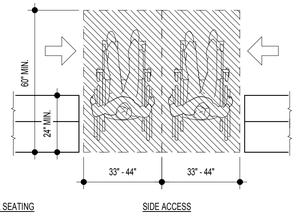


180 DEGREE TURN

G4 ACCESSIBLE ROUTE
3/8" = 1'-0"

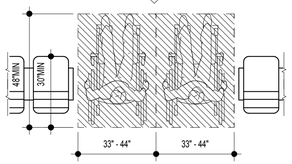


BLEACHER SEATING

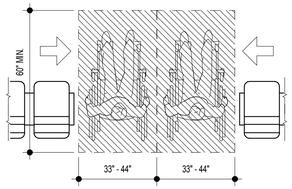


SIDE ACCESS

FORWARD OR REAR ACCESS

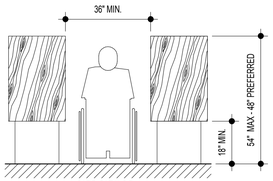


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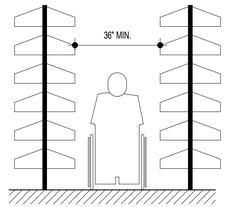


THEATER SEATING

SIDE ACCESS

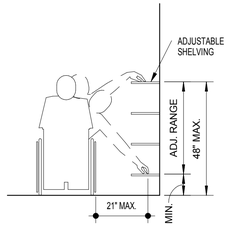


CARD CATALOG



STACKS

A4 SPACE ALLOWANCES
3/8" = 1'-0"



SIDE REACH SHELVING

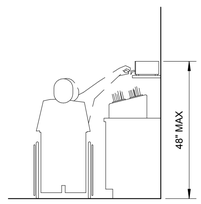
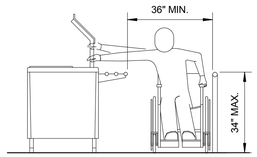
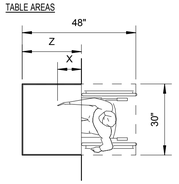


TABLE AREAS

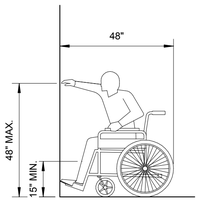


SERVING LINES

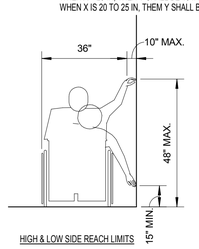


ACCESSIBLE COUNTER

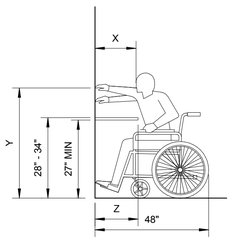
NOTE: X SHALL BE SMALLER OR EQUAL TO 25";
Z SHALL BE GREATER OR EQUAL TO X.
WHEN X < 20 IN, THEN Y SHALL BE 48 IN MAX.
WHEN X IS 20 TO 25 IN, THEM Y SHALL BE 44 IN MAX.



HIGH FORWARD REACH LIMIT

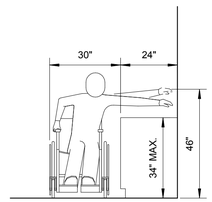


HIGH & LOW SIDE REACH LIMITS



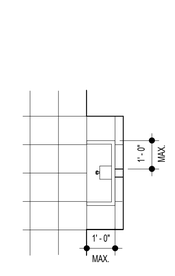
MAXIMUM FRONT REACH OVER OBSTRUCTIONS

NOTE: X SHALL BE SMALLER OR EQUAL TO 25";
Z SHALL BE GREATER OR EQUAL TO X.
WHEN X < 20 IN, THEN Y SHALL BE 48 IN MAX.
WHEN X IS 20 TO 25 IN, THEM Y SHALL BE 44 IN MAX.



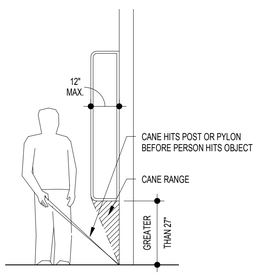
MAXIMUM SIDE REACH OVER AN OBSTRUCTION

A8 REACH RANGES1
3/8" = 1'-0"

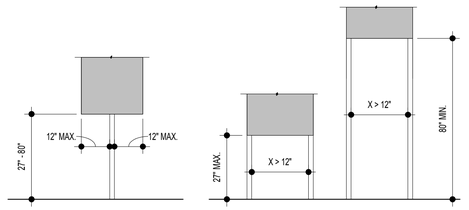


WALKING PERPENDICULAR TO A WALL

OBJECTS MOUNTED ON POSTS OR PYLONS - PLAN VIEW

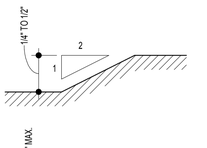


OBJECTS MOUNTED ON POSTS OR PYLONS - ELEVATION

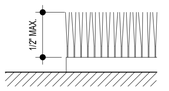


POST-MOUNTED PROTRUDING OBJECTS

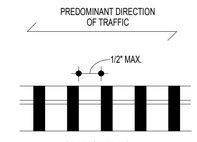
G12 POST-MOUNTED PROTRUDING OBJECTS
3/8" = 1'-0"



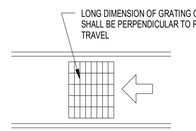
CHANGES IN LEVEL



CARPET PILE THICKNESS



GRATING DETAILS



GRATING ORIENTATION

G12 GROUND AND FLOOR SURFACE
3/8" = 1'-0"

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300 South 8th Street,
McAllen, Texas 78501
956.661.0400
www.eroarchitects.com

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ELI R.OCHOA, P.E., AIA
TEXAS REGISTRATION NO.
Engineer: 60251
Architect: 18160

CONSULTANTS

PROJECT NAME: HIDALGO COUNTY - PRECINCT 2
NEW VEHICLE MAINTENANCE FACILITY

PROJECT LOCATION: SOUTH "I" ROAD, PHARR, TEXAS 78577

PROJECT OWNER: HIDALGO COUNTY
2812 SOUTH BUSINESS HWY. 281, EDINBURG, TEXAS 78539

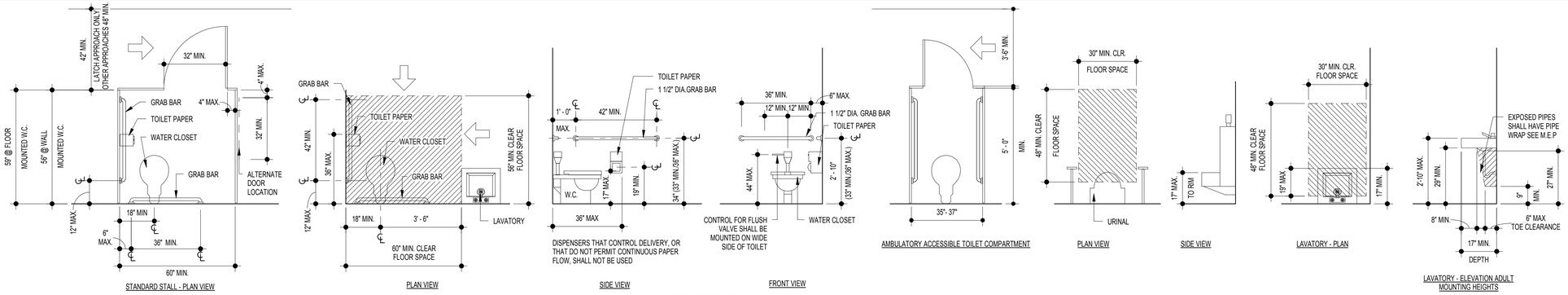
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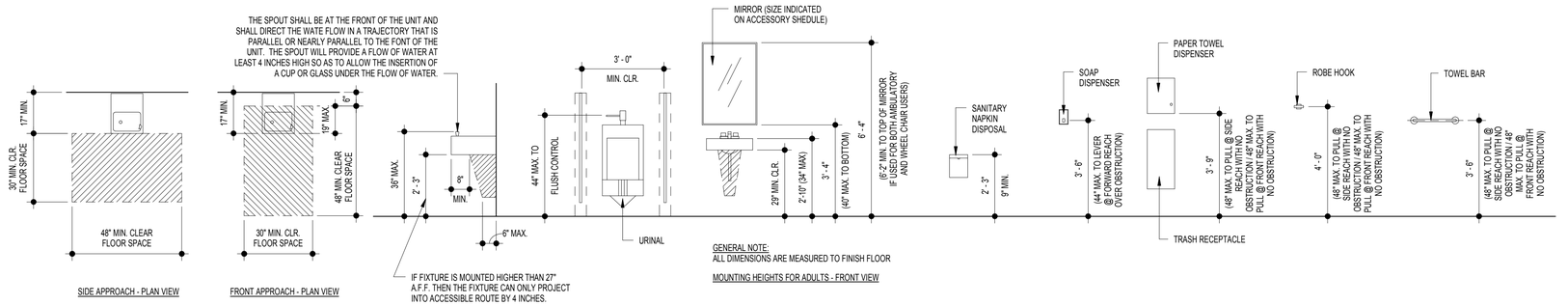
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SHEET TITLE:
ACCESSIBILITY REQUIREMENTS

GI002

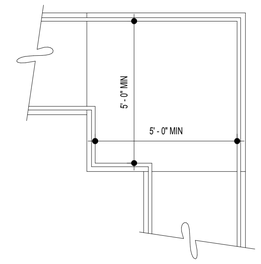
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G1 TOILET, LAV. & DRINKING FOUNTAIN.

3/8" = 1'-0"



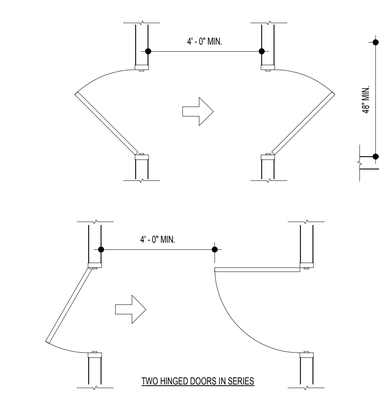
RAMP LANDING - CHANGE IN DIRECTION

GENERAL NOTES:

1. INFORMATION SHOWN ON THIS SHEET IS THE MINIMUM REQUIRED FOR ADA COMPLIANCE

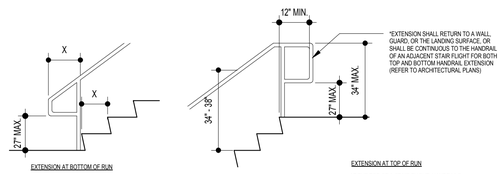
2. SOME CONDITIONS SHOWN ON THIS SHEET MAY NOT BE REQUIRED BY THIS PROJECT. COMPARE THE REQUIREMENTS OF THE ARCHITECTURAL DRAWINGS WITH THIS SHEET FOR RELEVANT INFORMATION.

3. IF ANY DISCREPANCIES ARE FOUND BETWEEN THE DRAWINGS, SPECIFICATIONS AND THE INFORMATION ON THIS SHEET, NOTIFY THE ARCHITECT IMMEDIATELY FOR CLARIFICATION.



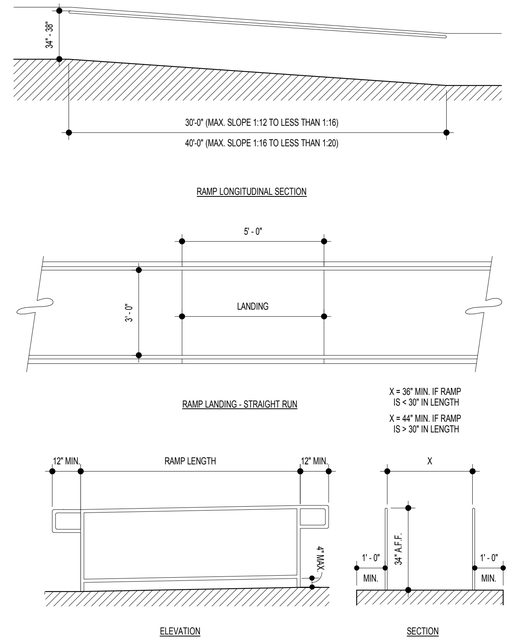
D1 DOOR CLEARANCES.

3/8" = 1'-0"



A1 EXTENSION AT STAIRS

3/8" = 1'-0"



A11 RAMPS

3/8" = 1'-0"

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ELI R.OCHOA, P.E., AIA
TEXAS REGISTRATION NO.
Engineer: 60251
Architect: 18160

CONSULTANTS

PROJECT NAME: HIDALGO COUNTY - PRECINCT 2
NEW VEHICLE MAINTENANCE FACILITY

PROJECT LOCATION: SOUTH "I" ROAD, PHARR, TEXAS 78577

PROJECT OWNER: HIDALGO COUNTY
2812 SOUTH BUSINESS HWY. 281, EDINBURG, TEXAS 78539

No.	Date	Description

PROJECT NO.: 13012
DRAWN BY: ES
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SHEET TITLE:

ACCESSIBILITY REQUIREMENTS

GI003

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ABBREVIATIONS

A	A/C.	AIR CONDITIONING
	A.W.P.	ACOUSTICAL WALL PANEL
	AB.	ANCHOR BOLT
	ABV.	ABOVE
	ACT.	ACOUSTICAL TILE
	A.D.	AREA DRAIN
	A.D.A.	AMERICANS WITH DISABILITIES ACT (1990)
∠	ADJ.	ADJUSTABLE
	A.F.F.	ABOVE FINISH FLOOR
	AGG.	AGGREGATE
	AHU.	AIR HANDLING UNIT
	AL.ST.	ALUMINUM STOREFRONT
	A.F.G.	ABOVE FINISH GRADE
	ALUM.	ALUMINUM
	ALT.	ALTERNATE
		ANGLE
	ANOD.	ANODIZED
	AP.	ACCESS PANEL
	APPROX.	APPROXIMATELY
	ARCH, ARCHL.	ARCHITECTURAL
	ASPH.	ASHALT
B	BD.	BOARD
	BLDG.	BUILDING
	BLK.	BLOCKING
	BM.	BEAM
	BOS.	BOTTUM OF STEEL
	B, BOTT.	BOTTOM
	BRZ.	BRONZE
	B.U.R.	BUILT-UP ROOF
C	C	CHANNEL
	CAB,CABT.	CABINET
	CFMF.	COLD FORMED METAL FRAMING
	CH.	COAT HOOK
	CHBO.	CHALK BOARD
	C.J.	CONTROL JOINT
	℄	CENTER LINE
	CLG.	CEILING
	CLR.	CLEAR
	C.M.U.	CONCRETE MASONARY UNIT
	COL.	COLUMN
	COMP.	COMPRESSIBLE
	CONC.	CONCRETE
	CONNX	CONNECTION
	CONST.	CONSTRUCTION
	CONT.	CONTINUOUS
	COND.	CONDITION
	CONT.	CONTINUOUS
	CORR.	CORRIDOR
	CPT.	CARPET
	CT.	CERAMIC TILE
	CTSK.	COUNTERSINK
	C.W.	COLD WATER
D	DBL.	DOUBLE
	DEF.	DEFORMED
	DIA.	DIAMETER
	DIM.	DIMENSION**S**
	DIV.	DIVISION
	DN.	DOWN
	D.P.	DAMPPROOFING
	DR.	DOOR
	DTL.	DETAIL
	D.S.	DOWNSPOUT
	DWG.	DRAWING
	DWLS.	DOWELS
	DWR.	DRAWER
E	EA.	EACH
	EGSB.	EXTERIOR GYPSUM SOFFIT BOARD
	EIFS.	EXTERIOR INSULATED FINISH SYSTEM
	EL.	ELEVATION (HEIGHT)
	ELEC., ELECT.	ELECTRICAL
	ELEV.	ELEVATION (DRAWING)
	E.J.	EXPANSION JOINT
	EQ.	EQUAL
	EQUIP.	EQUIPMENT
	ETC.	ET CETERA
	EW.	EACH WAY
	EXGR.	EXISTING GRADE
	EXH.	EXHAUST
	EXIST.	EXISTING
	EXP.	EXPANSION
	EXPD.	EXPOSED
	EXT.	EXTERIOR
	E.W.C.	ELECTRIC WATER COOLER
F	FA.	FIRE ALARM
	FB.	FACE BRICK
	FC.	FIRE CODE
	FD.	FLOOR DRAIN
	F.E.	FIRE EXTINGUISHER
	F.E.C.	FIRE EXTINGUISHER CAB.
	FF.	FINISH FLOOR
	FFE.	FINISH FLOOR ELEVATION
	FGD.	FINISH GRADE
	F.H.C.	FORE HOSE CAB
	FIN.	FINISH
	FIXT.	FIXTURE
	FLR.	FLOOR
	FLSHG.	FLASHING
	FLUOR.	FLUORESCENT
	FOC.	FACE OF CONCRETE
	FOM.	FACE OF MASONRY
	FOLD PART.	FOLDING PARTITION
	FR-WD	FIRE-RETARDANT TREATED WOOD
	FT.	FEET
	FUR.	FURRING
G	G.	GAS
	GA.	GAUGE
	GALV.	GALVANIZED
	G.B.	GRAB BAR
	G.C.	GENERAL CONTRACTOR
	GD.	GRADE
	GCMU.	GLAZED CONCRETE MASONARY UNIT(S)
	GEN.	GENERAL
	G.I.	GALVANIZED IRON
	GND.	GROUND
	GL.	GLASS
	GR.	GRADE
	GSFT.	GLAZED STRUCTURAL FACING TILE
	GTP.	GLASED TILE PAVER(S)
	GYP.	GYPSUM BOARD
H	HB.	HOSE BIB
	HC.	HANDICAPPED ACCESSIBLE
	HD.	HEAD, HEADED, HEAVY DUTY
	HDG.	HOT-DIPPED GALVANIZED
	HDWR	HARDWARE
	HEWC.	HANDICAP ELECTRIC WATER COLLER
	HGT.	HEIGHT
	HLB.	HORIZONTAL LOUVER BLINDS
	HORIZ.	HORIZONTAL
	HM.	HOLLOW METAL FRAME
	HR, HRS.	HOUR, HOURS
	H.W.	HOT WATER
I	I.D.	INSIDE DIAMETER
	IG.	INSULATING GLASS
	IN.	INCH, INCHES
	INC.	INCANDESCENT
	INCL.	INCLUDING
	INSUL.	INSULATION
	INT.	INTERIOR
J	JAN.	JANITOR
	JST.	JOIST
	JT.	JOINT
L	LAM.	LAMINATE
	LAV.	LAVATORY
	LB.	POUND
	LF.	LINEAR FOOT
	L.P.	LIGHTPOLE
	LT.	LIGHT
	LT. WT.	LIGHT WEIGHT
	LLH.	LONG LEG HORIZONTAL
	LLV.	LONG LEG VERTICAL
M	MAX.	MAXIMUM
	MB	MOP BASIN
	MANUF., MFR.	MANUFACTURER
	MAS.	MASONRY
	MATL	MATERIAL
	MAX.	MAXIMUM
	MB.	MARKER BOARD
	MECH.	MECHANICAL
	MEM. WP.	MEMBRANE WATERPROOFING
	MEP.	MECHANICAL, ELECTRICAL & PLUMBING
	MEZZ.	MEZZANINE
	MID.	MIDDLE
	MIR.	MIRROR
	M.H.	MANHOLE
	MIN.	MINIMUM
	MISC.	MISCELLENEOUS
	M.O.	MASONRY OPENING
	MOD.	MODULE
	MTL.	METAL
	MTP.	METAL TOILET PARTITIONS
	MULL	MULLION
N	N.A.	NOT APPLICABLE
	N.I.C.	NOT IN CONTRACT
	NO.	NUMBER
	N.T.S.	NOT TO SCALE
O	O.C.	ON CENTER
	O.C.D.	OVERHEAD COILING DOOR
	O.C.G.	OVERHEAD COILING GRILL
	O.D.	OUTSIDE DIAMETER/DIMENSION
	OFF.	OFFICE
	O.F.C.I.	OWNER FURNISHER, CONTRACTOR INSTALLED
	OH.	OVERHEAD
	OPHG.	OPENING
	OPP.	OPPOSITE
	ORD.	OVERFLOW ROOF DRAIN
	O.T.S.	OPEN TO STRUCTURE
P	PAR.	PARALLEL
	P.C.	PRECAST
	P.C.P.	PORTLAND CEMENT PLASTER
	PEN.	PENETRATION
	PG.	PLATE GLASS
	P.H.	PAPER HOLDER
	PL.	PLATE
	P.L.	PROPERTY LINE
	PLUMB.	PLUMBING
	PLWD	PLYWOOD
	PNTGR	PAINT GRADE
	POL.	POLISHED
	P.P.	POWER POLE
	PR.	PAIR
	PT.	PRESSURE TREATED
	PTD.	PAPER TOWEL DISPENSER
	PTN.	PARTITION
	PVMT	PAVEMENT
	P.W.B.	PREFINISHED WALL BOARD
Q	QA.	QUALITY ASSURANCE
	QT.	QUARRY TILE
R	R	RADIUS
	RAF.	RESILIENT ATHLETIC FLOORING\
	RBR	RUBBER
	RCP.	REINFORCED CONCRETE PIPE
	RD.	ROOF DRAIN
	RE.	REFERENCE
	RECP.	RECEPTACLE
	REINF.	REINFORCE
	REQ.,REQD	REQUIRED
	RES.	RESILIENT
	REV.	REVISED
	RO.	ROUGH OPENING
	RM.	ROOM
	RV.	ROOF VENT
S	SB	SPLASH BLOCK
	SC.	SEALED CONCRETE
	SCH.,SCHED.	SCHEDULE(D)
	SCFV.	SOLID CORE FLUSH VENEER
	SCPL.	SOLID CORE PLASTIC LAMINATE
	S.D.	SOAP DISPENSER
	SEC.	SECTION
	SF.	SQUARE FEET
	SG.	SLIDING GLASS DOOR
	SGFT.	STRUCTURAL GLAZED FACING TILE
	SGL.	SINGLE
	SGL.	SINGLE
	SHT.	SHEET
	SIM.	SIMILAR
	SJ.	SAWN CONTROL JOINT
	SPC	SPECIAL COATING SYSTEM
	SPEC., SPECS.	SPECIFICATIONS
	SQ.	SQUARE
	SS.	SOUND STRIP
	SS. ST. STL.	STAINLESS STEEL
	SR.	SHOWER ROD
	SS.	STAINLESS STEEL
	STD.	STANDARD
	STL.	STEEL
	STR., STRUCT.	STRUCTURAL
	SUSP.	SUSPENDED
	S.A.C.	SUSPENDED ACOUSTICAL CEILING
T	T.B.	TACKBOARD
	T.D.R.	TOWEL DISPENSER AND RECEPTACLE
	TECH.	TECHNICAL
	TEMP	TEMPERATURE
	TEL.	TELEPHONE
	TERR.	TERRAZZO
	THK.	THICK
	TKS.	TACKSTRIP
	TLT.	TOILET
	T.O.	TOP OF
	T.O.B.	TOP OF WOOD BLOCKING
	T.O.C.	TOP OF CURB
	T.O.D.	TOP OF DRAIN
	T.O.M.	TOP OF MASONRY
	T.O.S.	TOP OF STEEL
	T.T.D.	TOILET TISSUE DISPENSER
	TYP.	TYPICAL
U	UBC.	UNIFORM BUILDING CODE
	UON.	UNLESS OTHERWISE NOTED
	U.N.O.	UNLESS NOTED OTHERWISE
	UR.	URINAL
	URS.	URINAL SCREEN
	UTIL.	UTILITY
V	V.	VENT
	V.C.T.	VINYL COMPOSITION TILE
	VEND.	VENDING
	VENT.	VENTILATING
	VER.	VERIFY
	VERT.	VERTICAL
	VEST.	VESTIBULE
	V.I.F.	VERIFY IN FIELD
	VTR.	VENT THROUGH ROOF
	VGE.	PREFINISHED VYNIL CLAD GYP. BD.
	VWC.	VINYL WALL COVERING
W	W.	WATTS
	W/	WITH
	WB.	WIND BRACE
	W.C.	WATER CLOSET
	WD.	WOOD
	WDW.	WINDOW
	WH.	WATER HEATER
	WNDW.	WINDOW
	WO	WITHOUT
	W.P.	WATERPROOFING
	W.R.	WASTE RECEPTICLE
	W.S.	WEATHERSTRIP
	WT.	WEIGHT
	WWF	WELDED-WIRE FABRIC

DRAWING CONVENTIONS

PLAN NORTH

COLUMN REFERENCE. GRID (LETTER, NUMBER)

CENTER LINE

LEVEL MARKER

MATCH LINE

ELEVATION SYMBOL

SECTION SYMBOL

Room name
150 SF

ROOM NAME AND NUMBER

DOOR DESIGNATION

WINDOW DESIGNATION

ONE HOUR FIRE RATING

PLAN OR DETAIL ENLARGED

DIMENSIONS

MATERIAL LEGEND

EARTH (UNDISTURBED)

EARTH (COMPACTED)

POROUS FILL (STONE OR GRAVEL, ETC.)

CAST - IN - PLACE CONCRETE

BRICK (COMMON OR FACE)

CONCRETE MASONRY UNIT (CMU)

CUT STONE

STEEL (LARGE SCALE)

RESILIENT FLOORING

ACOUSTICAL CEILING TILE

TERRAZZO

PLASTER, SAND, CEMENT, GROUT

GYPSUM BOARD

CLAY STRUCTURAL TILE

GLASS

RIGID INSULATION

GYPSUM SHEATING

BATT INSULATION

ROUGH WOOD (CONTINUOUS)

ROUGH WOOD (NON-CONTINUOUS)

PLYWOOD

FINISHED WOOD

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TEXAS REGISTRATION NO.
Engineer: 60251
Architect: 18160

CONSULTANTS

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PROJECT LOCATION: SOUTH "I" ROAD, PHARR, TEXAS 78577

PROJECT OWNER: HIDALGO COUNTY
2812 SOUTH BUSINESS HWY. 281, EDINBURG, TEXAS 78539

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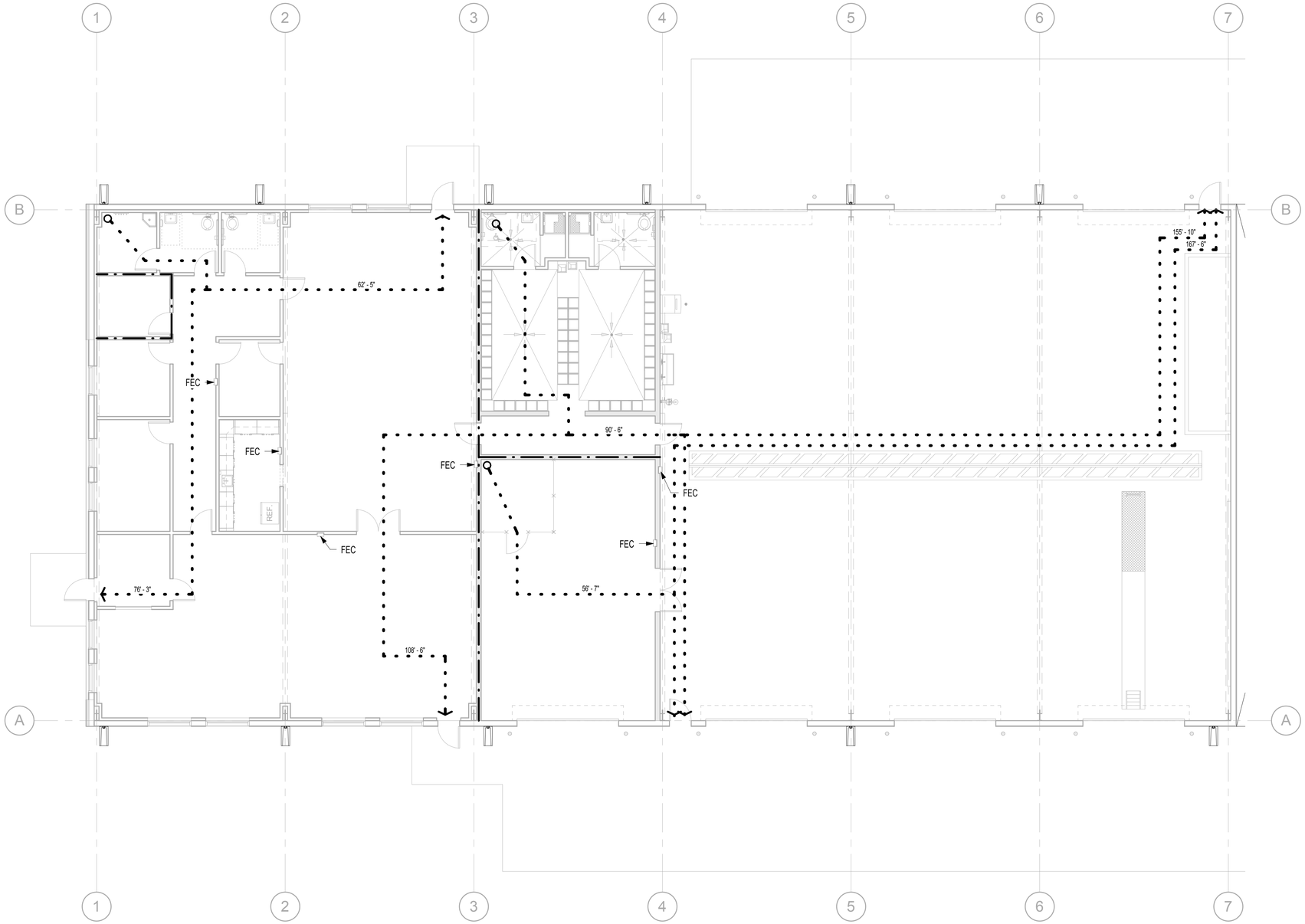
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SHEET TITLE:
PROJECT INFORMATION

GI004

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A1 LIFE SAFETY PLAN
1/8" = 1'-0"

N
PLAN NORTH

BUILDING CODE SUMMARY

APPLICABLE BUILDING CODES

INTERNATIONAL BUILDING CODE, 2012 EDITION
INTERNATIONAL FIRE CODE, 2012 EDITION
INTERNATIONAL PLUMBING CODE, 2012 EDITION
INTERNATIONAL MECHANICAL CODE, 2012 EDITION
INTERNATIONAL ENERGY CONSERVATION CODE, 2009 EDITION
NATIONAL ELECTRICAL CODE, 2011 EDITION

USE AND OCCUPANCY CLASSIFICATION

BUSINESS GROUP **B** (SECTION 304.1)
STORAGE GROUP **S-1** (SECTION 311.2) "MODERATE - HAZARD STORAGE"

MIXED OCCUPANCY:	**YES**
OCCUPANCY SEPARATION:	**YES**
AREA SEPARATION:	**NO**
SPRINKLER SYSTEM PROVIDED:	**NO**

GENERAL BUILDING HEIGHTS AND AREAS

ALLOWABLE HEIGHT AND BUILDING AREAS (SECTION 503, TABLE 503)

GROUP B	ALLOWED:	ACTUAL:
BUILDING HEIGHT:	55'-0"	**20'-10"**
NUMBER OF STORIES:	3	**1**
BUILDING AREA PER STORY:	23,000	**3,625**
GROUP S-1	ALLOWED:	ACTUAL:
BUILDING HEIGHT:	55'-0"	**20'-10"**
NUMBER OF STORIES:	2	**1**
BUILDING AREA PER STORY:	17,500	**7,277**

TYPES OF CONSTRUCTION

INFORMATION FROM CHAPTER 6 - TYPES OF CONSTRUCTION
CONSTRUCTION CLASSIFICATION: **TYPE II B**
(SECTION 602.2 AND TABLE 601)

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	RATING REQUIRED	RATING PROVIDED
STRUCTURAL FRAME	0	**0**
BEARING WALLS EXTERIOR INTERIOR	 0 0	 **0** **0**
NONBEARING WALLS EXTERIOR INTERIOR	 0 0	 **0** **0**
FLOOR CONSTRUCTION	0	**0**
ROOF CONSTRUCTION	0	**0**

REQUIRED SEPARATION OF OCCUPANCIES (HOURS), (TABLE 508.4)

THERE IS **NO SEPARATION REQUIREMENT** FOR BUILDINGS WITH OCCUPANCIES **B & S-1** AND NOT EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM INSTALLED.

MEANS OF EGRESS

MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT, (TABLE 1004.1.2)

FUNCTION OF SPACE	OCCUPANT LOAD FACTOR:
BUSINESS AREAS	100 GROSS
INDUSTRIAL AREAS	100 GROSS

EGRESS WIDTH PER OCCUPANT LOAD SERVED, (SECTION 1005)

EGRESS COMPONENTS, EXCEPT FOR STAIRWAYS:

(OCCUPANT LOAD) X (CAPACITY FACTOR) =	REQUIRED	PROVIDED
(100) X (0.2) =	20"	**108"**

EXIT AND EXIT ACCESS DOORWAYS, (SECTION 1015)

MAXIMUM OCCUPANT LOAD PER OCCUPANCY	MINIMUM NUMBER OF EXITS REQUIRED/PROVIDED
OCCUPANCY B = 49	**1/3**
OCCUPANCY S-1 = 29	**1/3**

FOR MIXED OCCUPANCIES, EACH INDIVIDUAL OCCUPANCY SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS FOR THAT OCCUPANCY.

EXIT ACCESS TRAVEL DISTANCE, (TABLE 1016.2)

OCCUPANCY	REQUIRED W/O SPRINKLER SYSTEM	ACTUAL
OCCUPANCY B	200' - 0"	108' - 6"
OCCUPANCY S-1	200' - 0"	167' - 6"

LIFE SAFETY SYSTEM REQUIREMENTS

EMERGENCY LIGHTING:	**YES**
EXIT SIGNS:	**YES**
FIRE ALARM:	**YES**
SPRINKLER SYSTEMS:	**NO**
PANIC HARDWARE:	**NO**
FIRE EXTINGUSHERS:	**YES**

NOTES:

1. PER TABLE 1015.1 OF THE 2012 INTERNATIONAL BUILDING CODE THE MAXIMUM OCCUPANT LOAD FOR SPACES WITH ONE MEANS OF EGRESS FOR THIS PROJECTS OCCUPANCY IS 49 & 29.
2. ALL INTERIOR FINISHES FOR THIS PROJECTMUST COMPLY WITH 2012 IBC-CHAPTER 8 INTERIOR FINISHES.
3. PORTABLE FIRE EXTINGUSHERS SHALL BE PROVIDED AS REQUIRDED BY THE INTERNATIONALFIRE CODE.
4. REFER TO SHEET AE101 FOR THE LOCATION OF THE ANNUNCIATOR PANEL.
5. FIRE DEPARTMENT COMMUNICATION SYSTEM SHALL COMPLY WITH 2012 IBC - SECTION 907.2.13.2.

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CODE ANALYSIS AND LIFE SAFETY PLAN

GI005

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A1 DIMENSIONAL FLOOR PLAN - MAINTENANCE BUILDING

1/8" = 1'-0"

PLAN NORTH

FLOOR PLAN GENERAL NOTES

1. REFER TO "CONSTRUCTION GENERAL NOTES" FOR ADDITIONAL REQUIREMENTS.
2. FLOOR PLAN(S) DIMENSIONS ARE TO THE CENTER LINE OF COLUMNS, FACE OF CONCRETE OR MASONARY WALLS AND FACE OF METAL STUDS, UNLESS NOTED OTHERWISE.
3. REFER TO SHEETS GI002, GI003 AND GI004 FOR ACCESSIBILITY REQUIREMENTS AND PROJECT INFORMATION.
4. REFER TO AE305 FOR WALL TYPES.
5. REFER TO AF601 FOR GENERAL ROOM FINISHES.
6. PROVIDE BLOCKING AS REQUIRED FOR PROPER SUPPORT OF WALL AND CEILING MOUNTED EQUIPMENT.

WALL LEGEND

- 4" METAL STUD WALL WITH 5/8" GYPSUM BOARD ON ONE SIDE
- 4" METAL STUD WALL WITH 5/8" GYPSUM BOARD ON BOTH SIDES
- 8" CMU WALL

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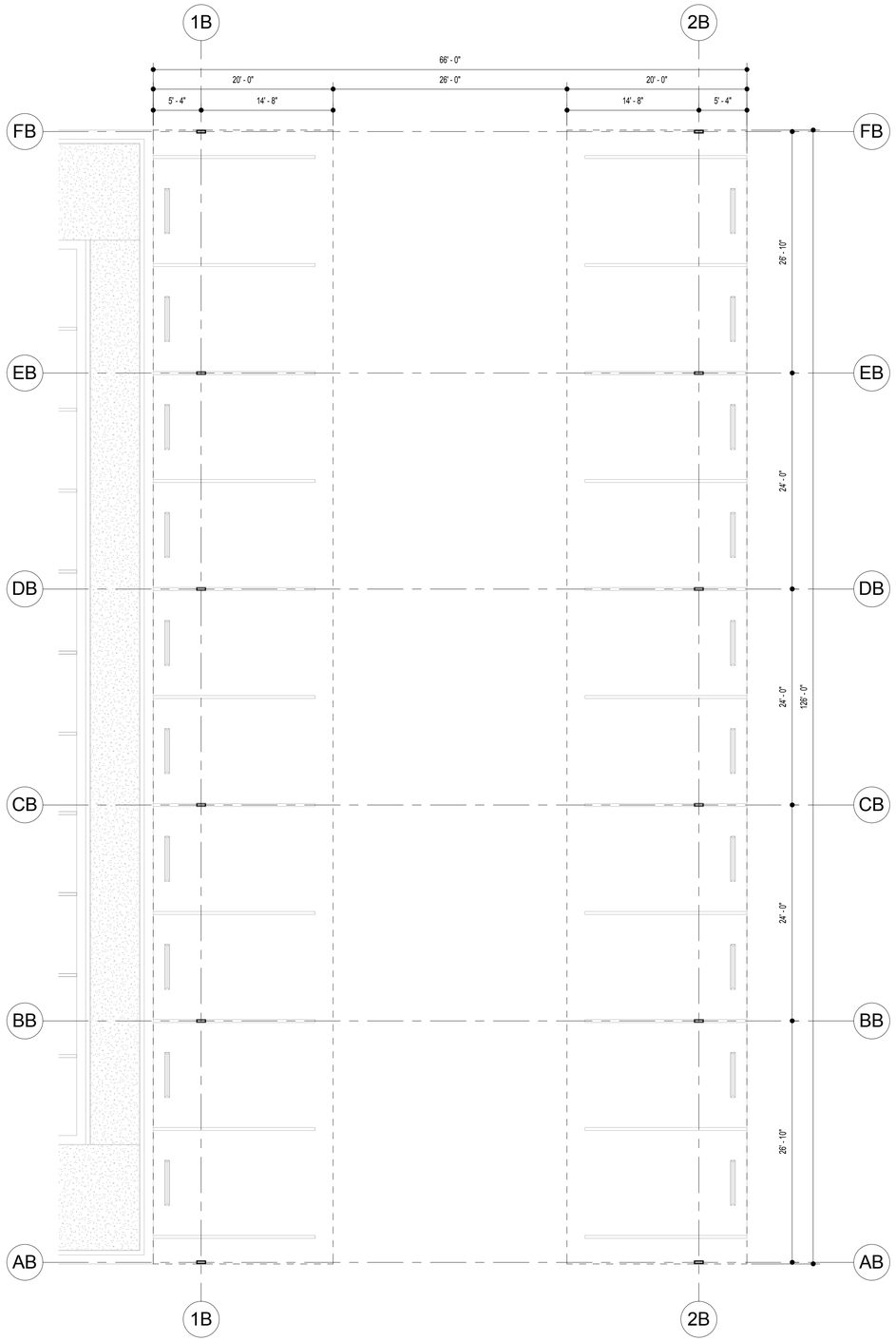
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AE100

KEY PLAN

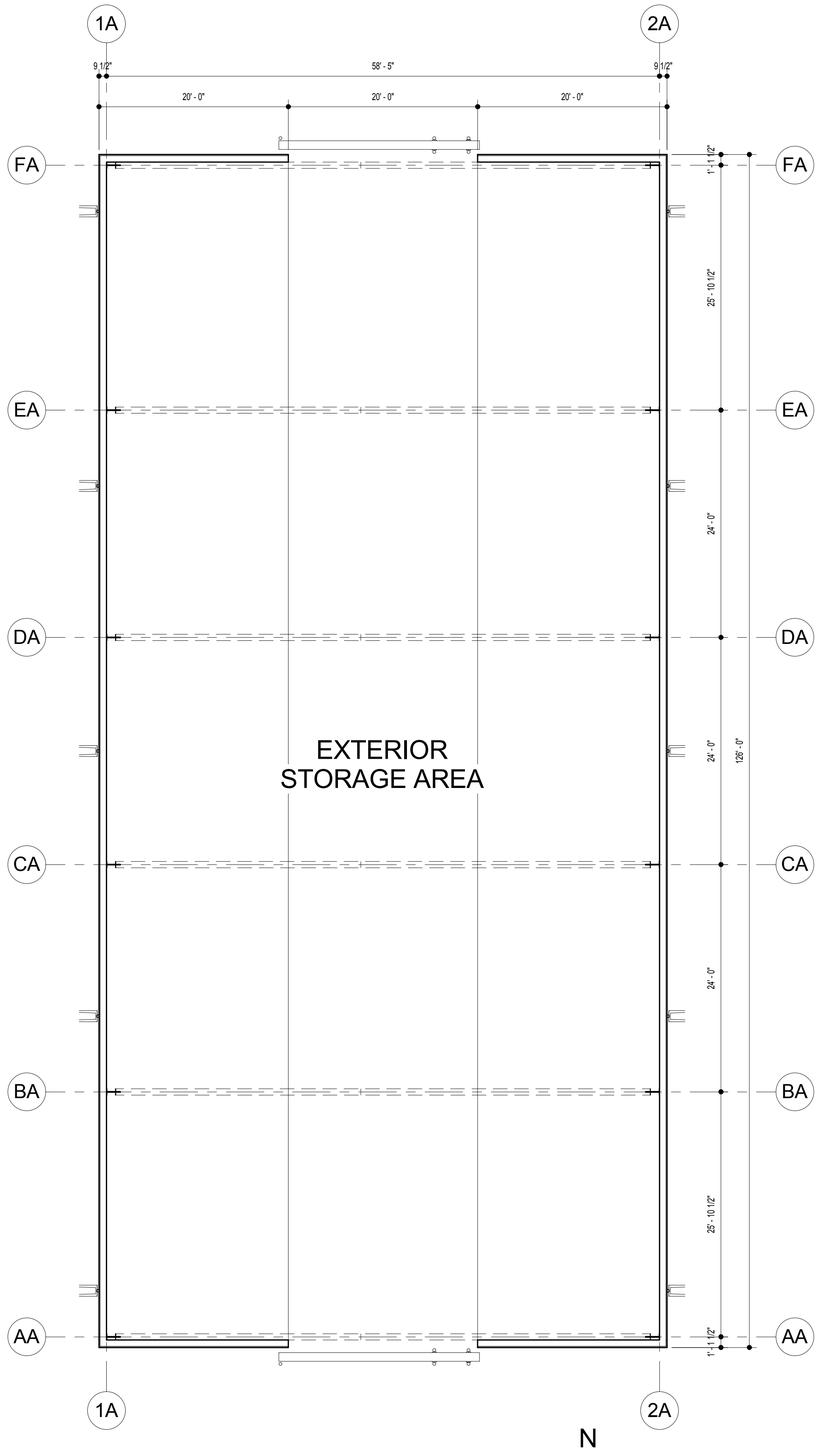
PLAN NORTH

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A1 DIMENSIONAL FLOOR PLAN - COVERED PARKING
1/8" = 1'-0"

N
PLAN NORTH



A8 DIMENSIONAL FLOOR PLAN - EXTERIOR STORAGE
1/8" = 1'-0"

N
PLAN NORTH

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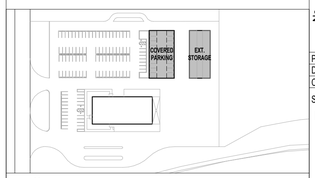
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CHECKED BY: YIPG

SHEET TITLE:
DIMENSIONAL FLOOR PLAN - EXTERIOR STORAGE & COVERED PARKING

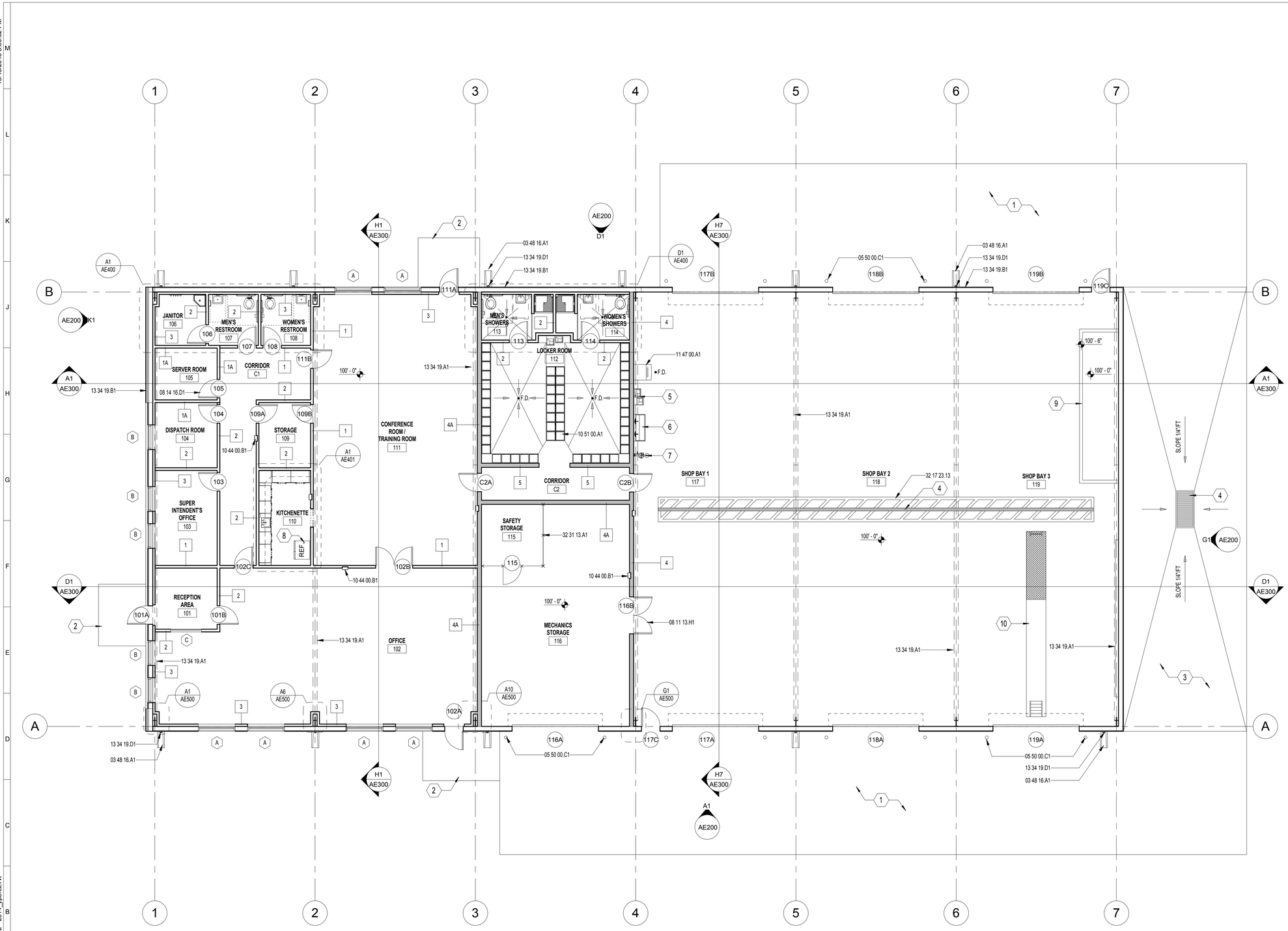


N
PLAN NORTH
KEY PLAN

AE101

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FLOOR PLAN GENERAL NOTES

1. REFER TO "CONSTRUCTION GENERAL NOTES" FOR ADDITIONAL REQUIREMENTS.
2. FLOOR PLAN(S) DIMENSIONS ARE TO THE CENTER LINE OF COLUMNS, FACE OF CONCRETE OR MASONARY WALLS AND FACE OF METAL STUDS, UNLESS NOTED OTHERWISE.
3. REFER TO SHEETS GI002, GI003 AND GI004 FOR ACCESSIBILITY REQUIREMENTS AND PROJECT INFORMATION.
4. REFER TO AE305 FOR WALL TYPES.
5. REFER TO AF601 FOR GENERAL ROOM FINISHES.
6. PROVIDE BLOCKING AS REQUIRED FOR PROPER SUPPORT OF WALL AND CEILING MOUNTED EQUIPMENT.

WALL LEGEND

- 4" METAL STUD WALL WITH 5/8" GYPSUM BOARD ON ONE SIDE
- 4" METAL STUD WALL WITH 5/8" GYPSUM BOARD ON BOTH SIDES
- 8" CMU WALL

KEYNOTE LEGEND

03 48 16.A1	PRECAST CONCRETE SPLASH BLOCKS
05 50 00.C1	GUARD POST BOLLARDS
08 11 13.H1	HOLLOW METAL DOOR & FRAME AS SPECIFIED
08 14 16.D1	WOOD FLUSH DOOR AND FRAME AS SPECIFIED
10 44 00.B1	FIRE EXTINGUISHER CABINET
10 51 00.A1	METAL LOCKERS
11 47 00.A1	ICE MACHINE
13 34 19.A1	PRE-ENGINEERED METAL BUILDING SYSTEMS. RIGID FRAME STRUCTURE, PTD. REFER TO STRUCTURAL. COLOR AS SELECTED BY ARCHITECT.
13 34 19.B1	PRE-ENGINEERED METAL BUILDING SYSTEMS. PRE-FINISHED WALL PANELS. PROVIDE ALL REQUIRED TRIMS AND ACCESSORIES PER MANUFACTURER STANDARDS. COLOR AS SELECTED BY ARCHITECT.
13 34 19.D1	PRE-ENGINEERED METAL BUILDING SYSTEMS. PRE-FINISHED SCULPTURED GUTTER AND DOWNSPOUTS. COLOR AS SELECTED BY ARCHITECT.
32 17 23.13	PAINTED PAVEMENT MARKINGS
32 31 13.A1	CHAIN LINK FENCE

SHEET KEYNOTES

1. CONCRETE APRON. REFER TO STRUCTURAL.
2. BUILDING ENTRANCE CONCRETE PAD. REFER TO STRUCTURAL.
3. CAR WASH AREA. REFER TO STRUCTURAL.
4. TRENCH DRAIN. REFER TO MEP.
5. DRINKING FOUNTAIN. REFER TO MEP.
6. SCRUB SINK. REFER TO MEP.
7. EMERGENCY EYE WASH STATION. REFER TO MEP.
8. REFRIGERATOR. OWNER PROVIDED/CONTRACTOR INSTALLED.
9. 6" CURB WALL. REFER TO STRUCTURAL.
10. OIL CHANGE PIT AND PLATFORM. REFER TO STRUCTURAL.

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ELI R.OCHOA, P.E., AIA
TEXAS REGISTRATION NO.
Engineer: 60251
Architect: 18160

CONSULTANTS

PROJECT NAME: HIDALGO COUNTY - PRECINCT 2
NEW VEHICLE MAINTENANCE FACILITY

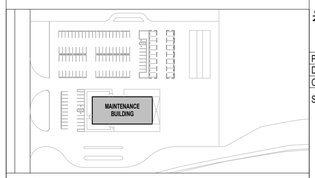
PROJECT LOCATION: SOUTH "I" ROAD, PHARR, TEXAS 78577

PROJECT OWNER: HIDALGO COUNTY
2812 SOUTH BUSINESS HWY. 281, EDINBURG, TEXAS 78539

No.	Description	Date

PROJECT NO.: 13012
DRAWN BY: YIPG
CHECKED BY: YIPG

SHEET TITLE: ARCHITECTURAL FLOOR PLAN - MAINTENANCE BUILDING



KEY PLAN

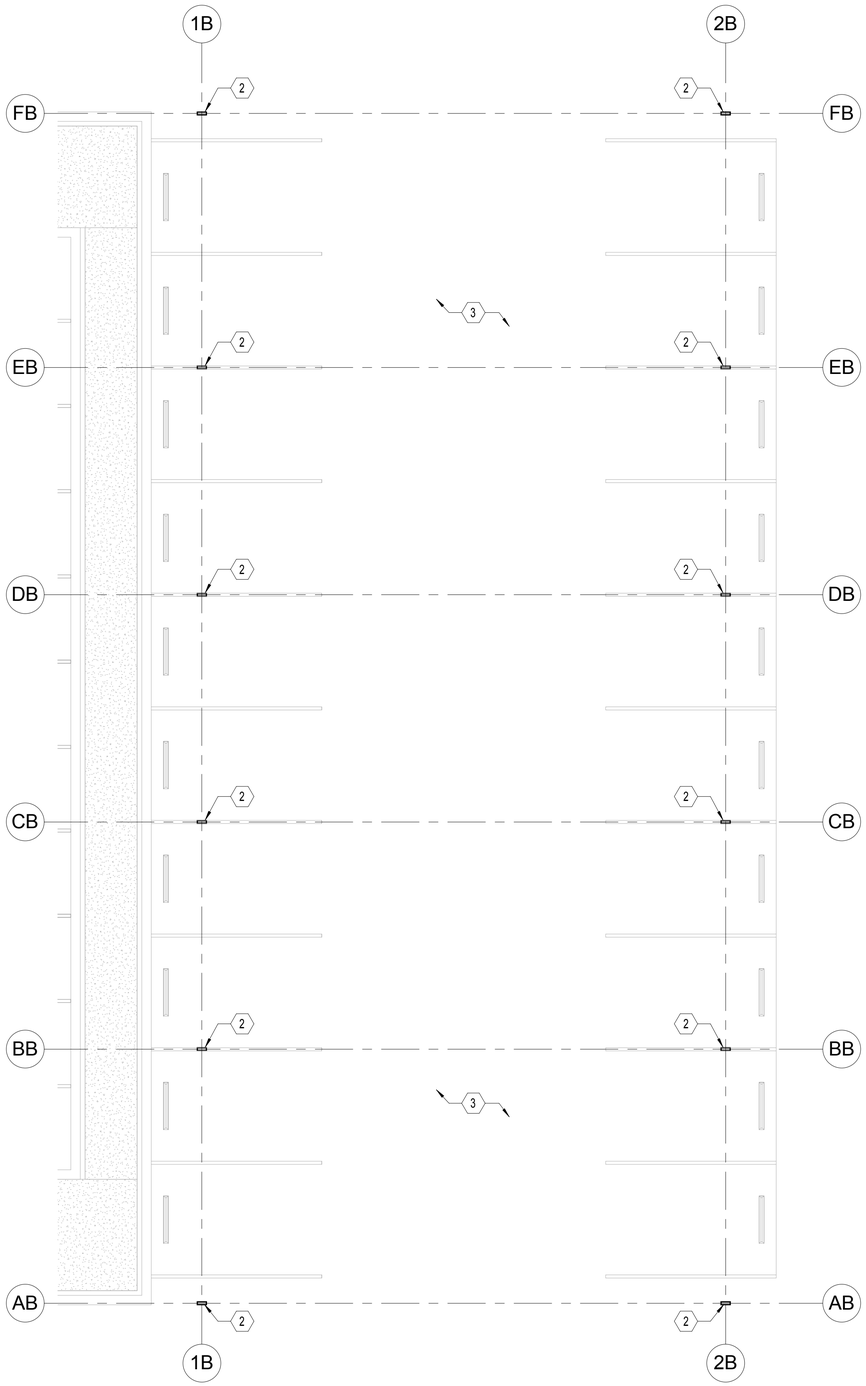
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A1 ARCHITECTURAL FLOOR PLAN - MAINTENANCE BUILDING
1/8" = 1'-0"

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PLAN NORTH

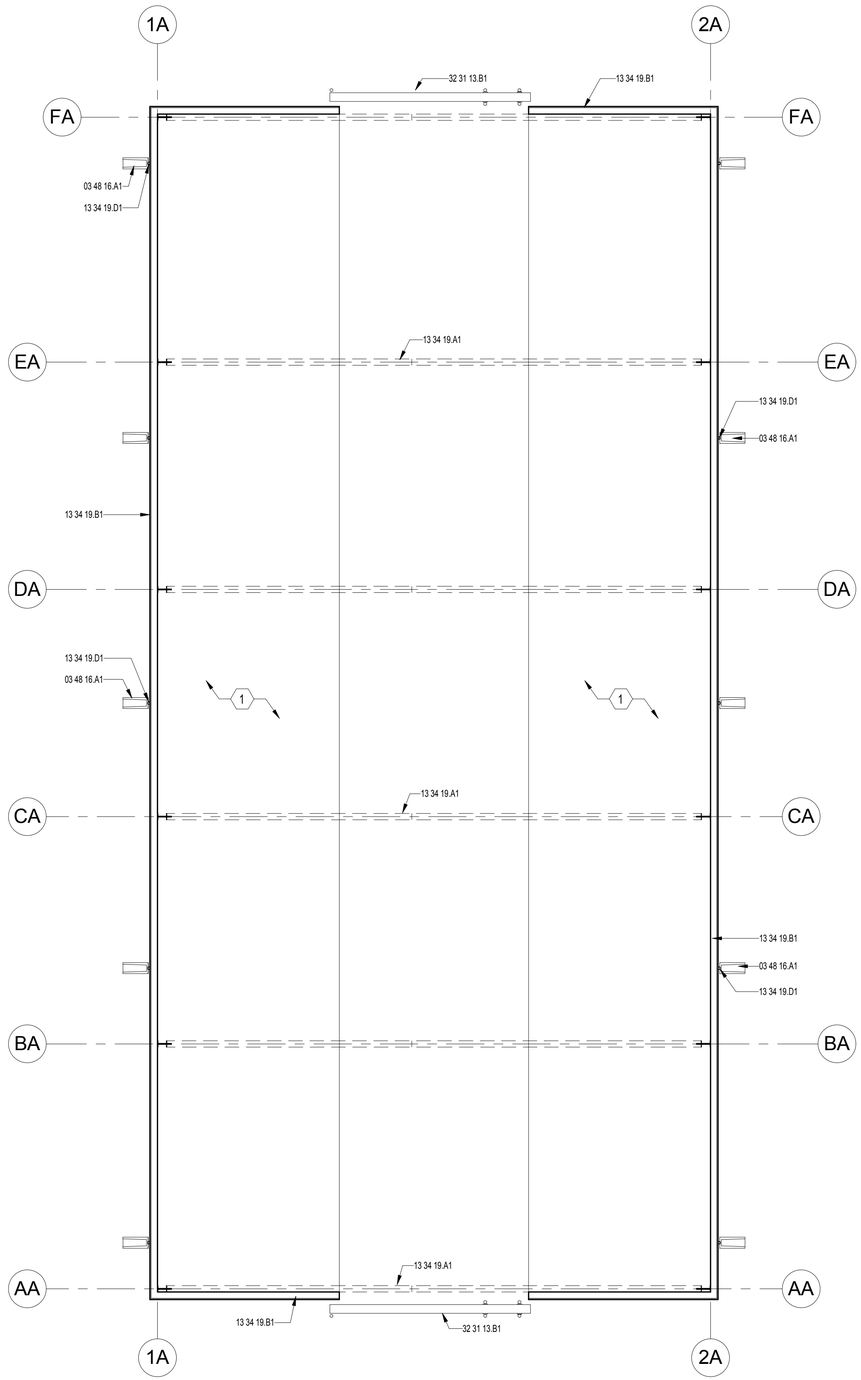
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A1 ENLARGED SITE PLAN - COVERED PARKING
1/8" = 1'-0"

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PLAN NORTH



A8 ENLARGED SITE PLAN - EXTERIOR STORAGE
1/8" = 1'-0"

N
PLAN NORTH

FLOOR PLAN GENERAL NOTES

1. REFER TO "CONSTRUCTION GENERAL NOTES" FOR ADDITIONAL REQUIREMENTS.

2. FLOOR PLAN(S) DIMENSIONS ARE TO THE CENTER LINE OF COLUMNS, FACE OF CONCRETE OR MASONARY WALLS AND FACE OF METAL STUDS, UNLESS NOTED OTHERWISE.

3. REFER TO SHEETS GI002, GI003 AND GI004 FOR ACCESSIBILITY REQUIREMENTS AND PROJECT INFORMATION.

4. REFER TO AE305 FOR WALL TYPES.

5. REFER TO AF601 FOR GENERAL ROOM FINISHES.

6. PROVIDE BLOCKING AS REQUIRED FOR PROPER SUPPORT OF WALL AND CEILING MOUNTED EQUIPMENT.

WALL LEGEND

4" METAL STUD WALL WITH 5/8" GYPSUM BOARD ON ONE SIDE

4" METAL STUD WALL WITH 5/8" GYPSUM BOARD ON BOTH SIDES

8" CMU WALL

KEYNOTE LEGEND

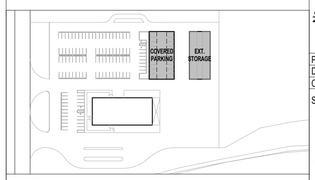
03 48 16.A1	PRECAST CONCRETE SPLASH BLOCKS
13 34 19.A1	PRE-ENGINEERED METAL BUILDING SYSTEMS. RIGID FRAME STRUCTURE, PTD. REFER TO STRUCTURAL. COLOR AS SELECTED BY ARCHITECT.
13 34 19.B1	PRE-ENGINEERED METAL BUILDING SYSTEMS. PRE-FINISHED WALL PANELS. PROVIDE ALL REQUIRED TRIMS AND ACCESSORIES PER MANUFACTURER STANDARDS. COLOR AS SELECTED BY ARCHITECT.
13 34 19.D1	PRE-ENGINEERED METAL BUILDING SYSTEMS. PRE-FINISHED SCULPTURED GUTTER AND DOWNSPOUTS. COLOR AS SELECTED BY ARCHITECT.
32 31 13.B1	DECORATIVE METAL SLIDING GATE

SHEET KEYNOTES

1. FOUNDATION PAD. REFER TO STRUCTURAL.

2. . TUBE STEEL COLUMN. REFER TO STRUCTURAL.

3. SITE PLAN SHOWN FOR REFERENCE PURPOSES ONLY. TO BE OWNER PROVIDED/OWNER INSTALLED.



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KEY PLAN

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ELI R.OCHOA, P.E., AIA
TEXAS REGISTRATION NO.
Engineer: 60251
Architect: 18160

CONSULTANTS

PROJECT NAME: HIDALGO COUNTY - PRECINCT 2 NEW VEHICLE MAINTENANCE FACILITY

PROJECT LOCATION: SOUTH "I" ROAD, PHARR, TEXAS 78577

PROJECT OWNER: HIDALGO COUNTY
2812 SOUTH BUSINESS HWY. 281, EDINBURG, TEXAS 78539

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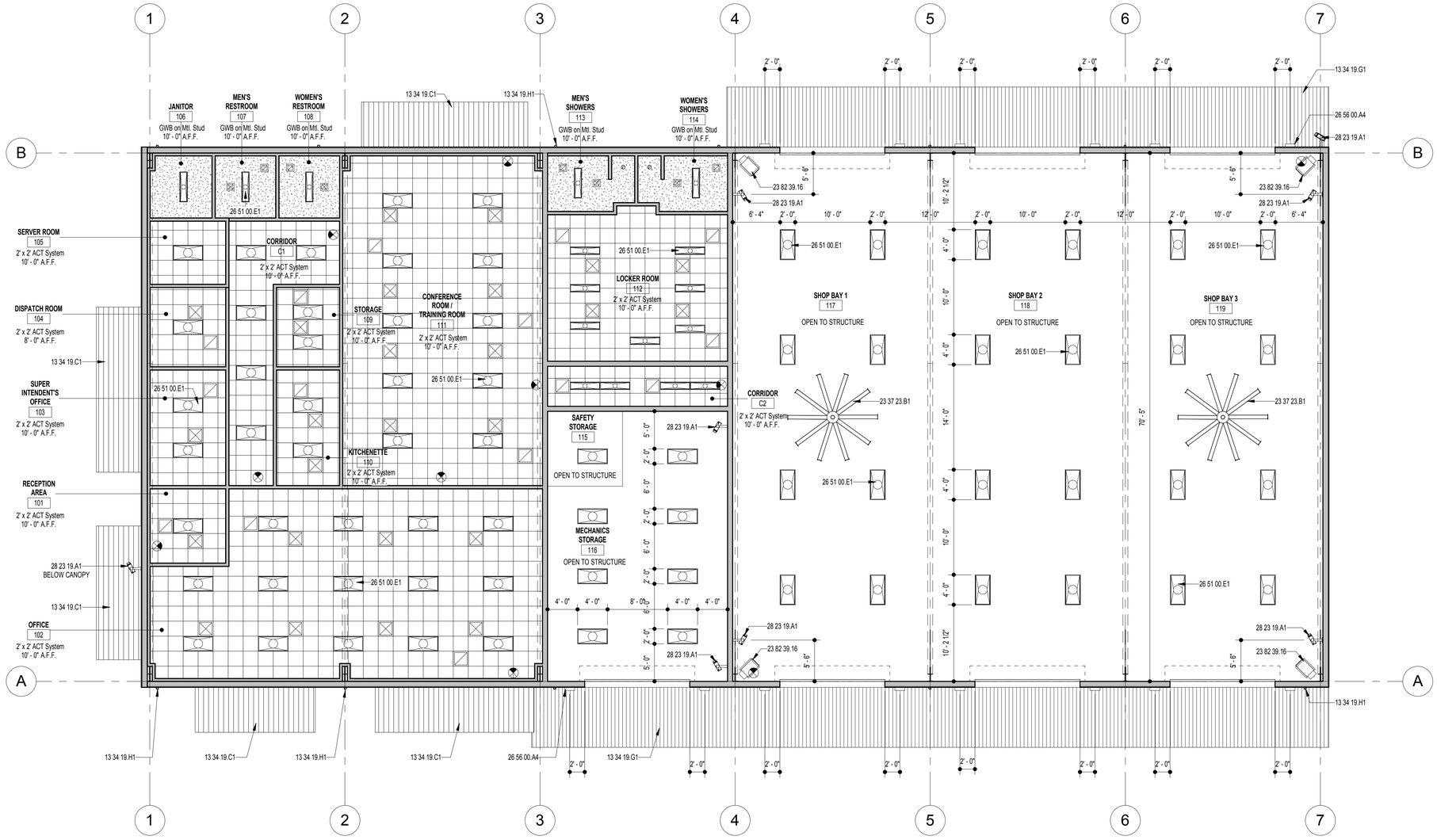
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DRAWN BY: YIPG
CHECKED BY: YIPG

SHEET TITLE:
ARCHITECTURAL FLOOR PLAN - EXTERIOR STORAGE & COVERED PARKING

AE103

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A1 REFLECTED CEILING PLAN - MAINTENANCE BUILDING

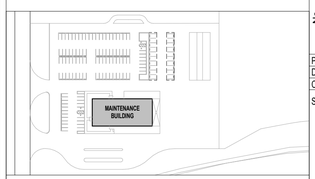
1/8" = 1'-0"

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PLAN NORTH

KEYNOTE LEGEND

13 34 19.C1	PRE-ENGINEERED METAL BUILDING SYSTEMS. PRE-FINISHED STANDING SEAM METAL ROOF. COLOR AS SELECTED BY ARCHITECT.
13 34 19.G1	PRE-ENGINEERED METAL BUILDING SYSTEMS. PRE-FINISHED METAL SOFFIT PANELS. COLOR AS SELECTED BY ARCHITECT.
13 34 19.H1	PRE-ENGINEERED METAL BUILDING SYSTEMS. DOWNSPOUTS DRAINING TO CONCRETE SPLASH BLOCKS.
23 37 23.B1	
23 82 39.16	PROPELLER UNIT HEATERS
26 51 00.E1	INTERIOR LIGHTING. REFER TO MEP AND SPECIFICATIONS
26 56 00.A4	EXTERIOR LIGHTING. REFER TO MEP AND SPECIFICATIONS
28 23 19.A1	SECURITY CAMERAS, REFER MEP. OWNER PROVIDED.



N

PLAN NORTH

KEY PLAN

RCP GENERAL NOTES

1. ARCHITECTURAL DRAWINGS TAKE PRECEDENCE OVER ENGINEERING DRAWINGS FOR LOCATION OF LIGHT FIXTURES, DIFFUSERS, ETC. SEE M.E.P. DRAWINGS FOR ADDITIONAL INFORMATION AND INSTRUCTIONS.

2. SEE ELECTRICAL DRAWINGS FOR SPECIFIC LIGHT FIXTURE TYPES, EXIT SIGNS, VISUAL ALARMS, ETC.

3. SEE MECHANICAL DRAWINGS FOR SPECIFIC MECHANICAL DIFFUSERS.

4. LIGHTING FIXTURES THAT ARE NOT THE FULL SIZE OF A CEILING PANEL SHALL BE LOCATED IN THE CENTER OF THE CEILING PANEL.

5. REFER TO SHEET AE504 FOR RCP DETAILS. PAINT ALL EXPOSED TO VIEW AREA, INCLUDING STRUCTURAL MEMBERS AND M.E.P. EQUIPMENT.

6. REFER TO INTERIOR AND EXTERIOR ELEVATIONS FOR LIGHT FIXUTRES MOUTING HEIGHT. COORDINATE WITH ELECTRICAL DRAWINGS.

7. COORDINATE ALL CEILING MOUNTED PROJECTOR AND SECURITY CAMERA LOCATIONS WITH LIGHT FIXTURES.

8. TAPE AND FLOAT ALL FIRE RATED GYPSUM BOARD. SEAL ALL PENETRATIONS WITH FIRE CAULK.

9. CEILING GRID TO BE CENTERED IN ROOMS UNLESS OTHERWISE NOTED.

10. DOWNLIGHTS TO BE CENTERED IN CEILING PANELS UNLESS OTHERWISE NOTED.

11. ALL GP. BD. CEILINGS AND SOFFITS ARE 1/2" GP.BD. UNLESS SHOWN OTHERWISE. ALL VERTICAL FACES OF SOFFITS ARE GP.BD. UNLESS SHOWN OTHERWISE.

12. ALL EXPOSED GP.BD. TO BE PAINTED UNLESS SHOWN OTHERWISE.

13. COORDINATE ALL MECH. DUCT WORK, PIPING, SPRINKLER LINES, AND CABLE TRAY TO AVOID CONFLICTS WITH LIGHTS AND STRUCTURE.

14. PAINT ALL EXPOSED CONDUITS, JUNCTION BOXES, ELECTRICAL ITEMS (NOT FACTORY FINISHED), SPRINKLER LINES, MECH., DUCTWORK, PIPING UNLESS ROOM FINISH SCHEDULE CALLS FOR EXPOSED CONSTRUCTION.

RCP LEGEND

- PRE-ENGINEERED METAL BUILDING CANOPY
- PAINTED GYPSUM BOARD CEILING
- 09 51 00 2'-0" X 2'-0" ACOUSTICAL CEILING TILE - TYPE A
- NO CEILING OPEN TO STRUCTURE ABOVE
- AIR DIFFUSER AS SCHEDULED, RE: MECHANICAL DRAWINGS AND SPECS
- RETURN AIR DIFFUSER AS SCHEDULED, RE: MECHANICAL DRAWINGS AND SPECS
- LIGHT FIXTURES AS SCHEDULED RE: ELECTRICAL DRAWINGS AND SPECS
- SPECIALTY EQUIPMENT AS SCHEDULED RE: ELECTRICAL DRAWINGS AND SPECS

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TEXAS REGISTRATION NO.
Engineer: 60251
Architect: 18160

CONSULTANTS

PROJECT NAME: HIDALGO COUNTY - PRECINCT 2 NEW VEHICLE MAINTENANCE FACILITY

PROJECT LOCATION: SOUTH "I" ROAD, PHARR, TEXAS 78577

PROJECT OWNER: HIDALGO COUNTY 2812 SOUTH BUSINESS HWY. 281, EDINBURG, TEXAS 78539

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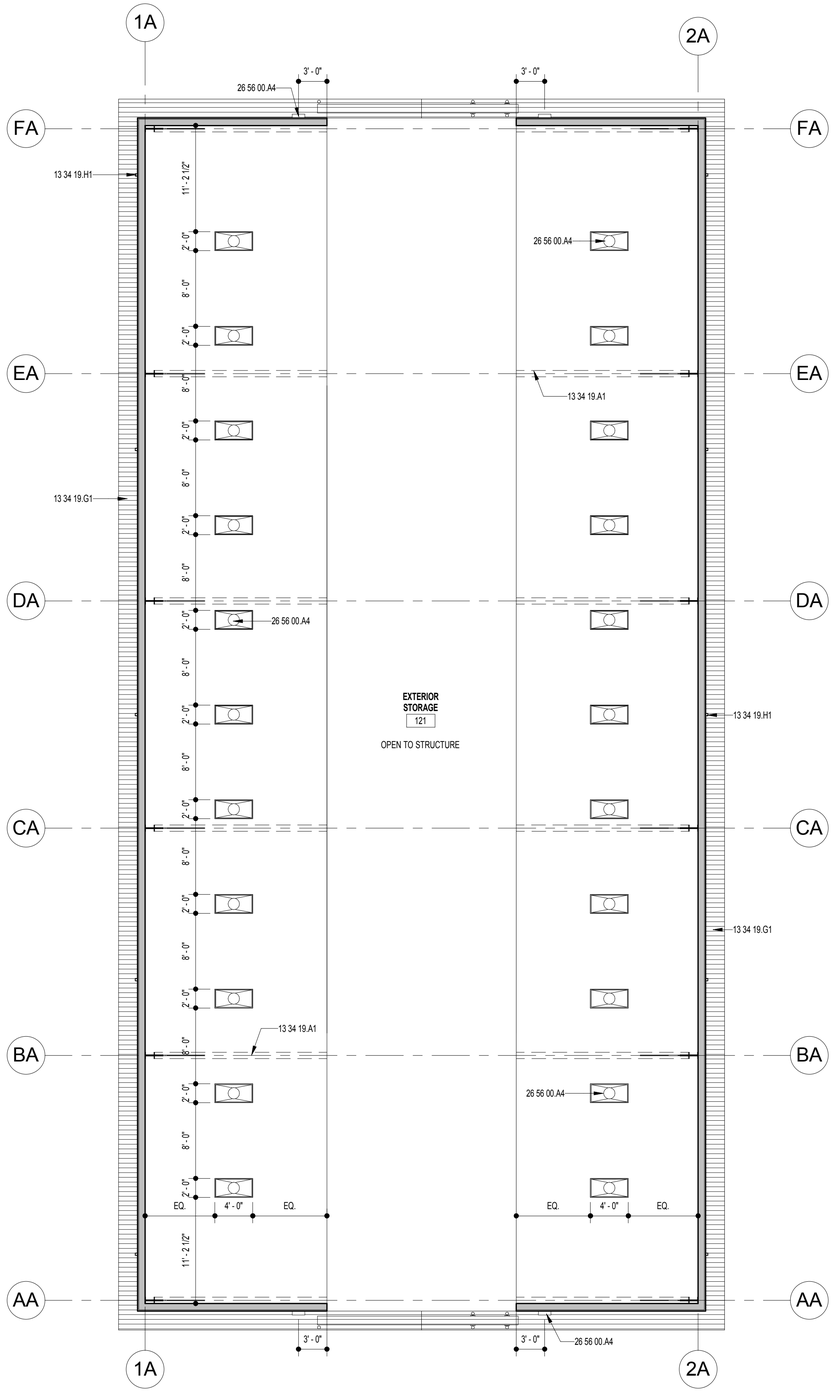
PROJECT NO.: 13012
DRAWN BY: YIPG
CHECKED BY: YIPG

SHEET TITLE: REFLECTED CEILING PLAN - MAINTENANCE BUILDING

AE104

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A1 REFLECTED CEILING PLAN - EXTERIOR STORAGE

1/8" = 1'-0"

N

PLAN NORTH

RCP GENERAL NOTES

1. ARCHITECTURAL DRAWINGS TAKE PRECEDENCE OVER ENGINEERING DRAWINGS FOR LOCATION OF LIGHT FIXTURES, DIFFUSERS, ETC. SEE M.E.P. DRAWINGS FOR ADDITIONAL INFORMATION AND INSTRUCTIONS.

2. SEE ELECTRICAL DRAWINGS FOR SPECIFIC LIGHT FIXTURE TYPES, EXIT SIGNS, VISUAL ALARMS, ETC.

3. SEE MECHANICAL DRAWINGS FOR SPECIFIC MECHANICAL DIFFUSERS.

4. LIGHTING FIXTURES THAT ARE NOT THE FULL SIZE OF A CEILING PANEL SHALL BE LOCATED IN THE CENTER OF THE CEILING PANEL.

5. REFER TO SHEET AE504 FOR RCP DETAILS. PAINT ALL EXPOSED TO VIEW AREA, INCLUDING STRUCTURAL MEMBERS AND M.E.P. EQUIPMENT.

6. REFER TO INTERIOR AND EXTERIOR ELEVATIONS FOR LIGHT FIXUTRES MOUTING HEIGHT. COORDINATE WITH ELECTRICAL DRAWINGS.

7. COORDINATE ALL CEILING MOUNTED PROJECTOR AND SECURITY CAMERA LOCATIONS WITH LIGHT FIXTURES.

8. TAPE AND FLOAT ALL FIRE RATED GYPSUM BOARD. SEAL ALL PENETRATIONS WITH FIRE CAULK.

9. CEILING GRID TO BE CENTERED IN ROOMS UNLESS OTHERWISE NOTED.

10. DOWNLIGHTS TO BE CENTERED IN CEILING PANELS UNLESS OTHERWISE NOTED.

11. ALL GP. BD. CEILINGS AND SOFFITS ARE 1/2" GP.BD. UNLESS SHOWN OTHERWISE. ALL VERTICAL FACES OF SOFFITS ARE GP.BD. UNLESS SHOWN OTHERWISE.

12. ALL EXPOSED GP.BD. TO BE PAINTED UNLESS SHOWN OTHERWISE.

13. COORDINATE ALL MECH. DUCT WORK, PIPING, SPRINKLER LINES, AND CABLE TRAY TO AVOID CONFLICTS WITH LIGHTS AND STRUCTURE.

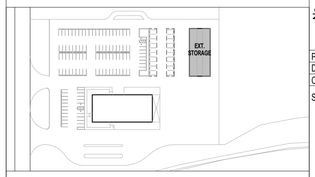
14. PAINT ALL EXPOSED CONDUITS, JUNCTION BOXES, ELECTRICAL ITEMS (NOT FACTORY FINISHED), SPRINKLER LINES, MECH., DUCTWORK, PIPING UNLESS ROOM FINISH SCHEDULE CALLS FOR EXPOSED CONSTRUCTION.

RCP LEGEND

- PRE-ENGINEERED METAL BUILDING CANOPY
- PAINTED GYPSUM BOARD CEILING
- 09 51 00 2'-0" X 2'-0" ACOUSTICAL CEILING TILE - TYPE A
- NO CEILING OPEN TO STRUCTURE ABOVE
- AIR DIFFUSER AS SCHEDULED. RE: MECHANICAL DRAWINGS AND SPECS
- RETURN AIR DIFFUSER AS SCHEDULED, RE: MECHANICAL DRAWINGS AND SPECS
- LIGHT FIXTURES AS SCHEDULED RE: ELECTRICAL DRAWINGS AND SPECS
- SPECIALTY EQUIPMENT AS SCHEDULED RE: ELECTRICAL DRAWINGS AND SPECS

KEYNOTE LEGEND

13 34 19.A1	PRE-ENGINEERED METAL BUILDING SYSTEMS. RIGID FRAME STRUCTURE, PTD. REFER TO STRUCTURAL. COLOR AS SELECTED BY ARCHITECT.
13 34 19.G1	PRE-ENGINEERED METAL BUILDING SYSTEMS. PRE-FINISHED METAL SOFFIT PANELS. COLOR AS SELECTED BY ARCHITECT.
13 34 19.H1	PRE-ENGINEERED METAL BUILDING SYSTEMS. DOWNSPOUTS DRAINING TO CONCRETE SPLASH BLOCKS.
26 56 00.A4	EXTERIOR LIGHTING. REFER TO MEP AND SPECIFICATIONS



N

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TEXAS REGISTRATION NO.
Engineer: 60251
Architect: 18160

CONSULTANTS

PROJECT NAME: HIDALGO COUNTY - PRECINCT 2
NEW VEHICLE MAINTENANCE FACILITY

PROJECT LOCATION: SOUTH "I" ROAD, PHARR, TEXAS 78577

PROJECT OWNER: HIDALGO COUNTY
2812 SOUTH BUSINESS HWY. 281 , EDINBURG, TEXAS 78539

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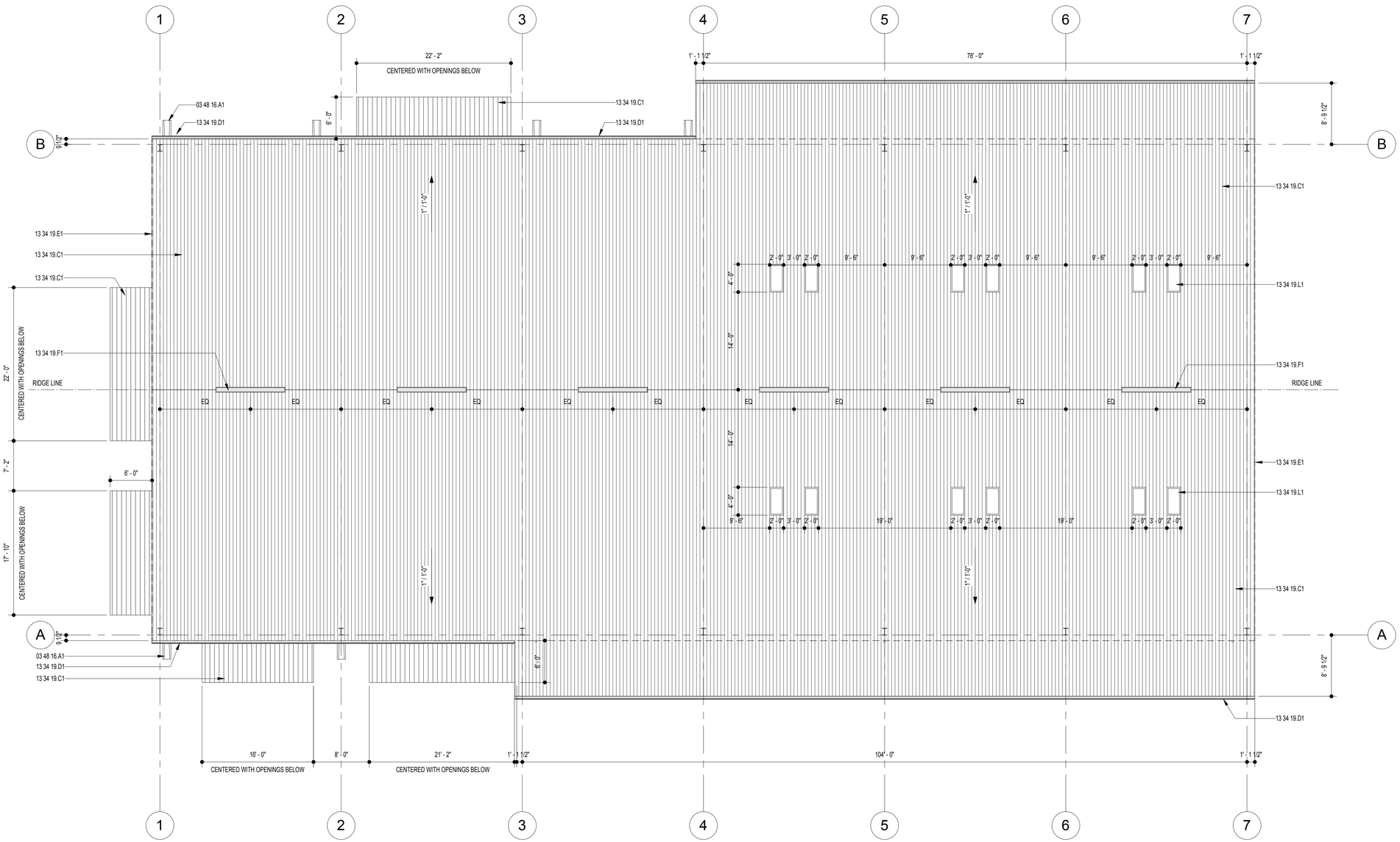
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DRAWN BY: YIPG
CHECKED BY: YIPG

SHEET TITLE: REFLECTED CEILING PLAN - EXTERIOR STORAGE

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A1 ROOF PLAN - MAINTENANCE BUILDING

1/8" = 1'-0"

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PLAN NORTH

ROOF PLAN GENERAL NOTES

1. PROVIDE TAPERED INSULATION CRICKETS (1/2" MIN. SLOPE) AT HIGH SIDE OF ALL MECHANICAL UNITS. SMOKE VENTS, ROOF HATCHES & OTHER MISC. ROOF PENETRATIONS, TO SHED WATER AROUND & TO ENSURE POSITIVE ROOF DRAINAGE.

2. PROVIDE ADDITIONAL FULLY ADHERED MEMBRANES AS PROTECTION AT "SERVICE SIDE" OF ALL MECH. EQUIPEMENT. FIELD VERIFY LOCATIONS AS WELL AS PROTECTION AT "ACCESS SIDE" OF ALL ROOF HATCHES AND ROOF ACCESS LADDERS. FIELD VERIFY LOCATIONS AT DOWNSPOUT LOCATIONS.

3. ALL WOOD BLOCKING AT ROOF EDGES ARE TO BE FABRICATED FROM CONT. 2X FR-WD BOARDS. PROVIDE LARGER 2X FR-WD AS REQUIRED PER DIMENSIONED DETAILED OR AS FIELD CONDITIONS DICTATE ALL COPING TO BE SLOPED TOWARD THE INTERIOR.

4. ALL EXPOSED FLASHING, COPING (IF APPLICABLE) AND THEIR ACCESSORIES SHALL BE SPECIFIED. PAINT ALL METAL FLASHING THAT IS NOT PREFINISHED (TYP) AND VISIBLE FROM THE GROUND.

5. ALL THROUGH FLASHING SYSTEM TO ACCOMADATE 8" MININUM FLASHING HEIGHT FROM FINISHED ROOF SURFACE. PROVIDE END DAMS AS CONDITIONS ALLOW. ALL FLASHING TO HAVE 4" LAP MINIMUM AND OR STEP.

6. ANY CRACKS OR VOIDS IN RISE WALLS ABOVE COUNTER FLASHING SHALL BE REPAIRED WITH COMPATIBLE SEALANT.

7. ALL METAL FLASHING SHALL EXTEND BEYOND ROOF EDGE MIN. 8" WHERE FLASHING ABUTS VERTICAL WALL SURFACE AS DETAILED. ALL FLASHING SHALL BE INSTALLED IN SHINGLE FLASHING.

8. PROVIDE CONCRETE SPLASH BLOCKS BENEATH ALL DOWNSPOUTS.

9. TAPER WATER AWAY FROM ALL HVAC UNITS AND PARAPET WALLS.

10. PROVIDE PRE-FINISHED METAL END CLOSURE 8" BEYOND CANOPY BELOW W/ END DRAINS IN THROUGH WALL FLASHING AT THESE LOCATIONS.

11. REFER MEP DRAWINGS FOR ADDITIONAL INFORMATION.

12. ALL PRE-ENGINEERED METAL BUILDING ROOF ACCESSORIES MAY VARY DEPENDING ON THE CHOSEN PEMB MANUFACTURER. COORDINATE SIZES WITH ARCHITECT.

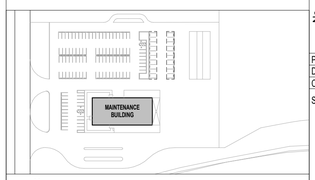
KEYNOTE LEGEND

03 48 16.A1	PRECAST CONCRETE SPLASH BLOCKS
13 34 19.C1	PRE-ENGINEERED METAL BUILDING SYSTEMS. PRE-FINISHED STANDING SEAM METAL ROOF. COLOR AS SELECTED BY ARCHITECT.
13 34 19.D1	PRE-ENGINEERED METAL BUILDING SYSTEMS. PRE-FINISHED SCULPTURED GUTTER AND DOWNSPOUTS. COLOR AS SELECTED BY ARCHITECT.
13 34 19.E1	PRE-ENGINEERED METAL BUILDING SYSTEMS. PRE-FINISHED RAKE TRIM. COLOR AS SELECTED BY ARCHITECT.
13 34 19.F1	PRE-ENGINEERED METAL BUILDING SYSTEMS. PRE-FINISHED ROOF RIDGE VENT. COLOR AS SELECTED BY ARCHITECT.
13 34 19.L1	PRE-ENGINEERED METAL BUILDING SYSTEMS. TRANSLUSCENT ROOF PANEL. PROVIDE ALL REQUIRED TRIMS AND ACCESSORIES PER MANUFACTURER'S STANDARDS. COLOR AS SELECTED BY ARCHITECT.

ROOF PLAN LEGEND:

METAL ROOF PANELS

PEMB - TRANSLUCENT ROOF PANELS



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KEY PLAN

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Architect: 18160

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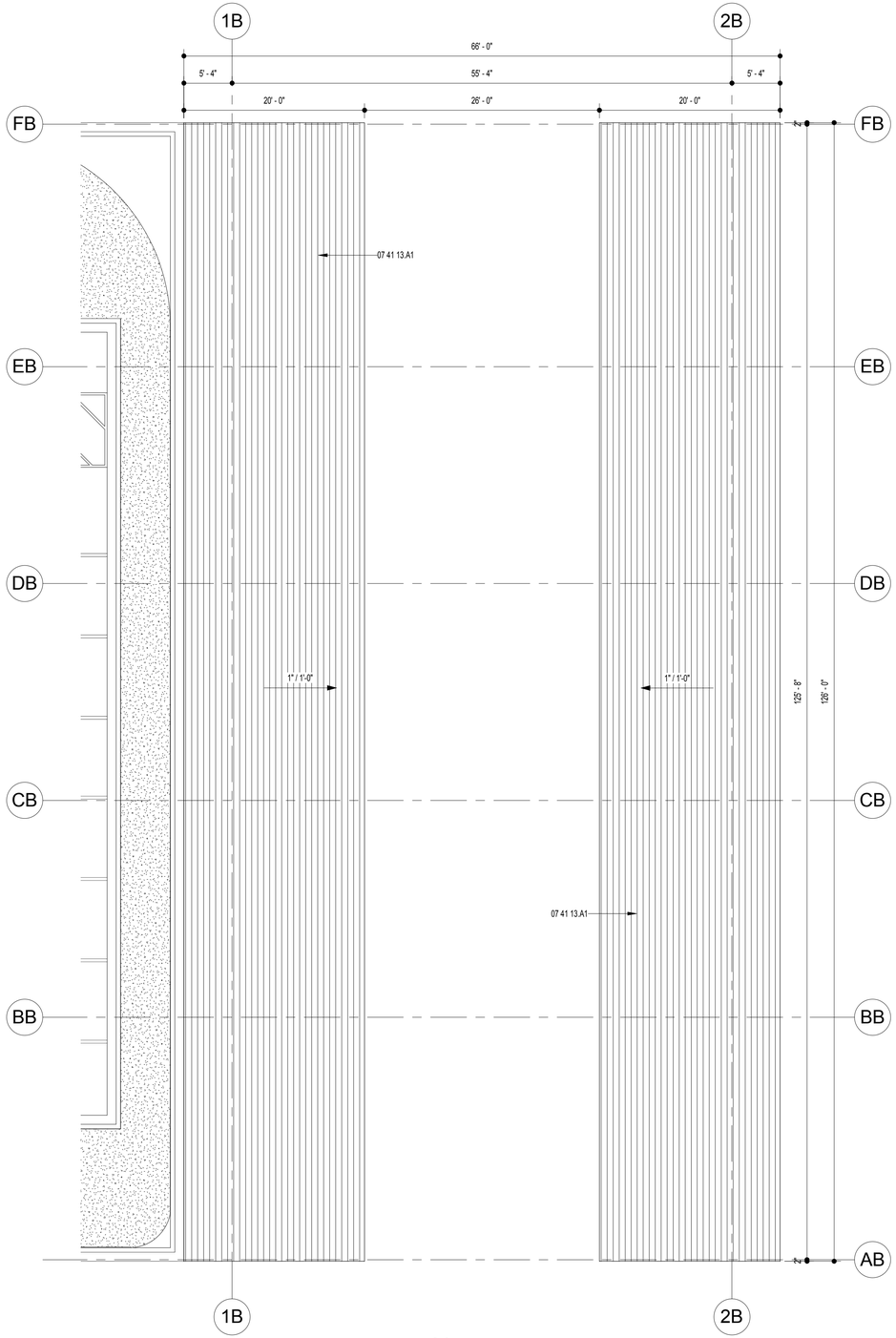
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DRAWN BY: YIPG
CHECKED BY: YIPG

SHEET TITLE: ROOF PLAN - MAINTENANCE BUILDING

AE106

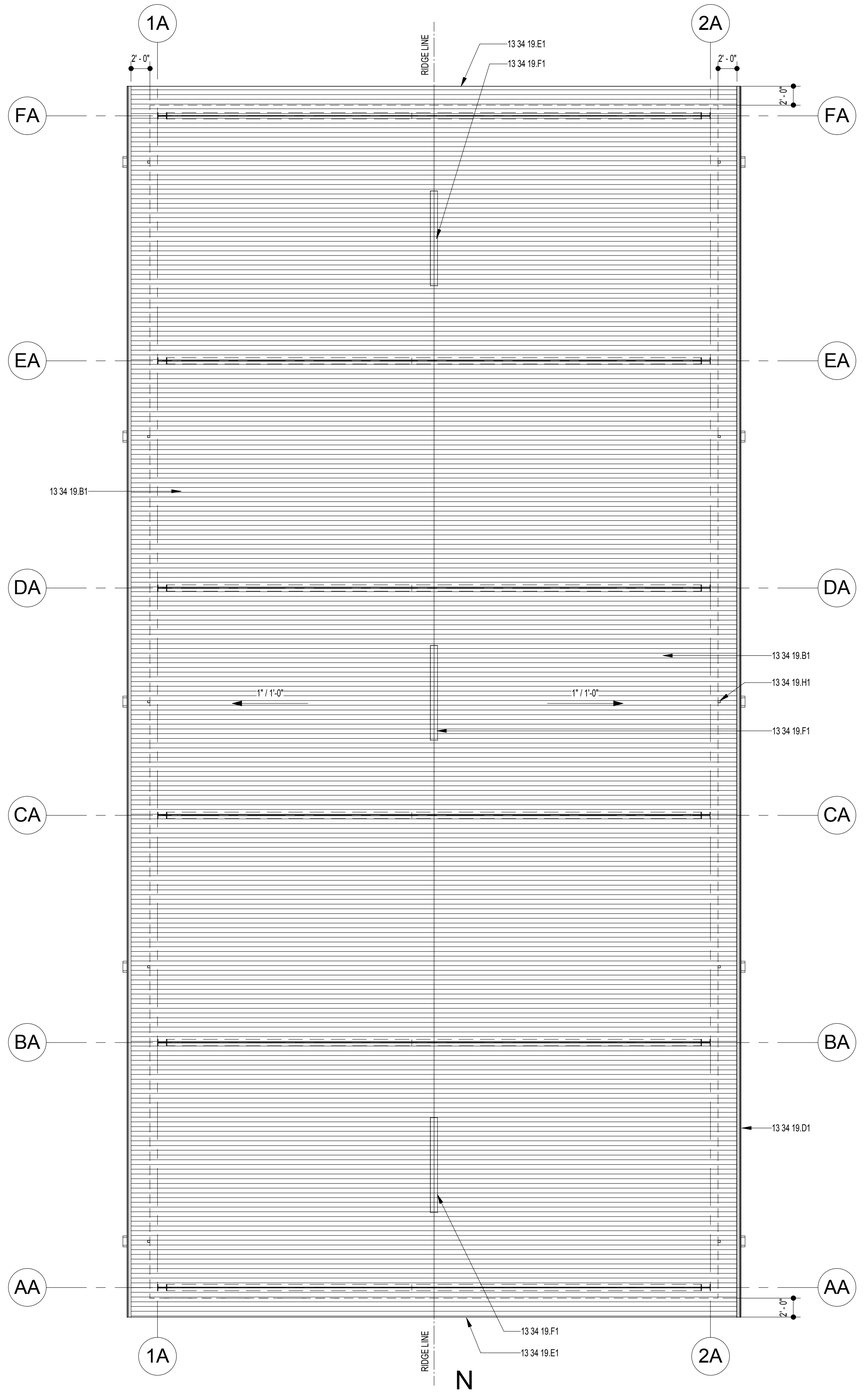
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A1 ROOF PLAN - COVERED PARKING
1/8" = 1'-0"

N
PLAN NORTH



A8 ROOF PLAN - EXTERIOR STORAGE
1/8" = 1'-0"

N
PLAN NORTH

ROOF PLAN GENERAL NOTES

1. PROVIDE TAPERED INSULATION CRICKETS (1/2" MIN. SLOPE) AT HIGH SIDE OF ALL MECHANICAL UNITS. SMOKE VENTS, ROOF HATCHES & OTHER MISC. ROOF PENETRATIONS, TO SHED WATER AROUND & TO ENSURE POSITIVE ROOF DRAINAGE.

2. PROVIDE ADDITIONAL FULLY ADHERED MEMBRANES AS PROTECTION AT "SERVICE SIDE" OF ALL MECH. EQUIPEMENT. FIELD VERIFY LOCATIONS AS WELL AS PROTECTION AT "ACCESS SIDE" OF ALL ROOF HATCHES AND ROOF ACCESS LADDERS. FIELD VERIFY LOCATIONS AT DOWNSPOUT LOCATIONS.

3. ALL WOOD BLOCKING AT ROOF EDGES ARE TO BE FABRICATED FROM CONT. 2X FR-WD BOARDS. PROVIDE LARGER 2X FR-WD AS REQUIRED PER DIMENSIONED DETAILED OR AS FIELD CONDITIONS DICTATE ALL COPING TO BE SLOPED TOWARD THE INTERIOR.

4. ALL EXPOSED FLASHING, COPING (IF APPLICABLE) AND THEIR ACCESSORIES SHALL BE SPECIFIED. PAINT ALL METAL FLASHING THAT IS NOT PREFINISHED (TYP) AND VISIBLE FROM THE GROUND.

5. ALL THROUGH FLASHING SYSTEM TO ACCOMADATE 8" MININUM FLASHING HEIGHT FROM FINISHED ROOF SURFACE. PROVIDE END DAMS AS CONDITIONS ALLOW. ALL FLASHING TO HAVE 4" LAP MINIMUM AND OR STEP.

6. ANY CRACKS OR VOIDS IN RISE WALLS ABOVE COUNTER FLASHING SHALL BE REPAIRED WITH COMPATIBLE SEALANT.

7. ALL METAL FLASHING SHALL EXTEND BEYOND ROOF EDGE MIN. 8" WHERE FLASHING ABUTS VERTICAL WALL SURFACE AS DETAILED. ALL FLASHING SHALL BE INSTALLED IN SHINGLE FLASHING.

8. PROVIDE CONCRETE SPLASH BLOCKS BENEATH ALL DOWNSPOUTS.

9. TAPER WATER AWAY FROM ALL HVAC UNITS AND PARAPET WALLS.

10. PROVIDE PRE-FINISHED METAL END CLOSURE 8" BEYOND CANOPY BELOW W/ END DRAINS IN THROUGH WALL FLASHING AT THESE LOCATIONS.

11. REFER MEP DRAWINGS FOR ADDITIONAL INFORMATION.

12. ALL PRE-ENGINEERED METAL BUILDING ROOF ACCESSORIES MAY VARY DEPENDING ON THE CHOSEN PEMB MANUFACTURER. COORDINATE SIZES WITH ARCHITECT.

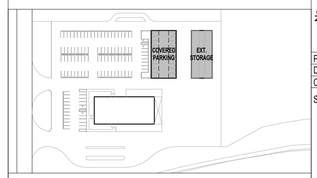
KEYNOTE LEGEND

07 41 13.A1	METAL ROOF PANELS
13 34 19.B1	PRE-ENGINEERED METAL BUILDING SYSTEMS. PRE-FINISHED WALL PANELS. PROVIDE ALL REQUIRED TRIMS AND ACCESSORIES PER MANUFACTURER STANDARDS. COLOR AS SELECTED BY ARCHITECT.
13 34 19.D1	PRE-ENGINEERED METAL BUILDING SYSTEMS. PRE-FINISHED SCULPTURED GUTTER AND DOWNSPOUTS. COLOR AS SELECTED BY ARCHITECT.
13 34 19.E1	PRE-ENGINEERED METAL BUILDING SYSTEMS. PRE-FINISHED RAKE TRIM. COLOR AS SELECTED BY ARCHITECT.
13 34 19.F1	PRE-ENGINEERED METAL BUILDING SYSTEMS. PRE-FINIHSED ROOF RIDGE VENT. COLOR AS SELECTED BY ARCHITECT.
13 34 19.H1	PRE-ENGINEERED METAL BUILDING SYSTEMS. DOWNSPOUTS DRAINING TO CONCRETE SPLASH BLOCKS.

ROOF PLAN LEGEND:

METAL ROOF PANELS

PEMB - TRANSLUCENT ROOF PANELS



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KEY PLAN

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ELI R.OCHOA, P.E., AIA
TEXAS REGISTRATION NO.
Engineer: 60251
Architect: 18160

CONSULTANTS

PROJECT NAME: HIDALGO COUNTY - PRECINCT 2
NEW VEHICLE MAINTENANCE FACILITY

PROJECT LOCATION: SOUTH "I" ROAD, PHARR, TEXAS 78577

PROJECT OWNER: HIDALGO COUNTY
2812 SOUTH BUSINESS HWY. 281, EDINBURG, TEXAS 78539

No.	Date	Description

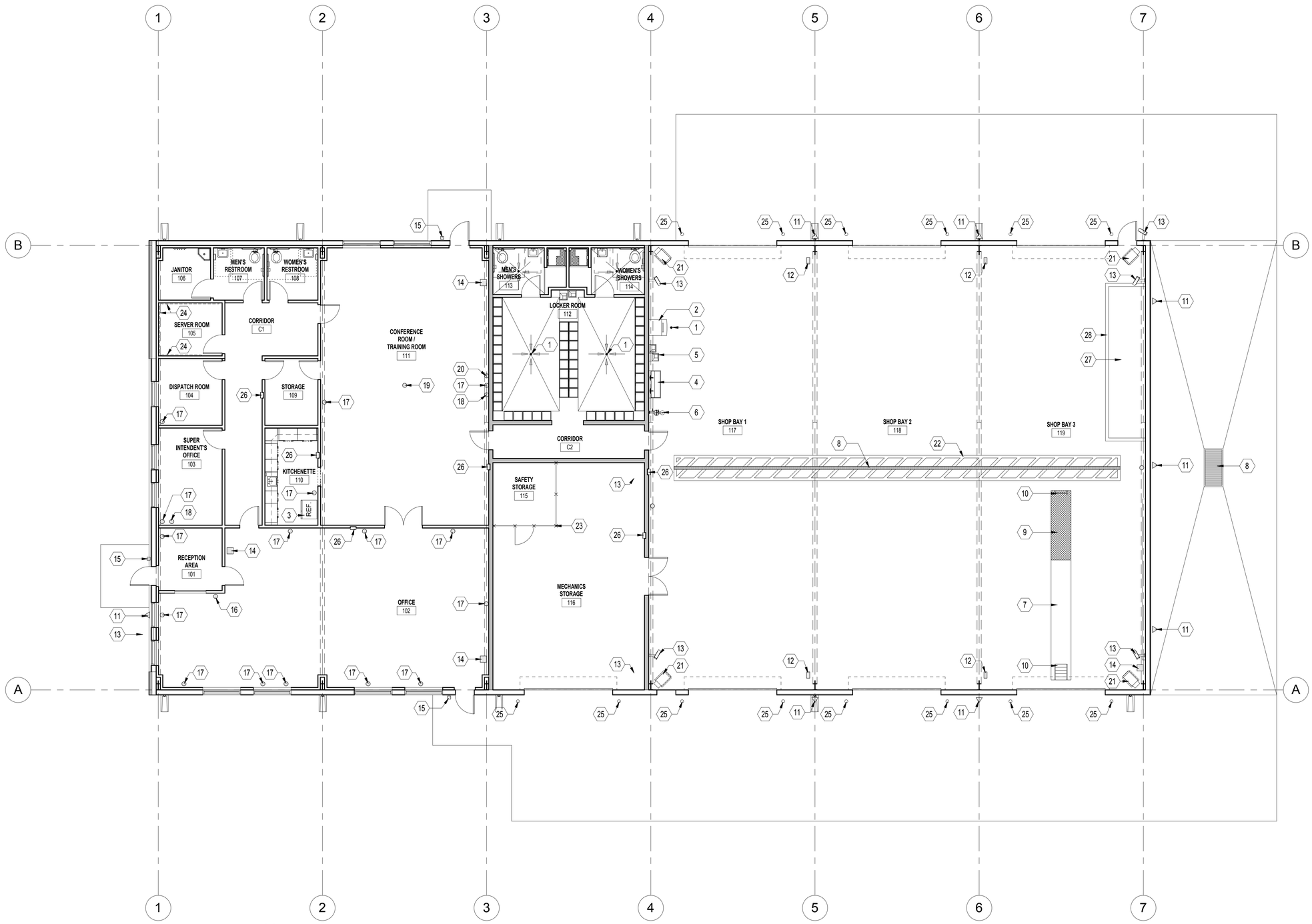
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DRAWN BY: YIPG
CHECKED BY: YIPG

SHEET TITLE:
ROOF PLAN - EXTERIOR STORAGE & COVERED PARKING

AE107

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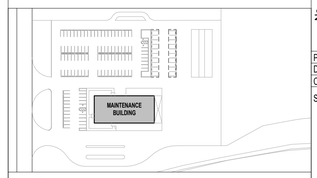
SHEET KEYNOTES

1. FLOOR DRAIN (RE: MEP)
2. ICE MAKER PROVIDED AND INSTALLED BY OWNER
3. REFRIGERATOR PROVIDED AND INSTALLED BY OWNER
4. DEEP HANDWASH SINK PROVIDED BY G.C. (RE: MEP)
5. DRINKING FOUNTAIN PROVIDED BY G.C. (RE: MEP)
6. EYE WASH STATION PROVIDED BY G.C. (RE: MEP)
7. OIL CHANGE PIT (RE: STRUCTURAL)
8. TROUGH DRAIN (RE: MEP)
9. PIT PLATFORM
10. STEEL STAIR/LADDER
11. HOSE BIB
12. OIL, WATER & AIR HOSE REEL
13. SECURITY CAMERAS. ROUGH-IN ONLY. (RE: MEP)
14. TIME CONTROLS. ROUGH-IN ONLY. (RE: MEP)
15. ACCESS KEY PAD. ROUGH-IN ONLY. (RE: MEP)
16. ACCESS CONTROL. ROUGH-IN ONLY. (RE: MEP)
17. NETWORK DROP. ROUGH-IN ONLY. (RE: MEP)
18. TELEVISION DROP. ROUGH-IN ONLY. (RE: MEP)
19. PROJECTOR DROP. ROUGH-IN ONLY. (RE: MEP)
20. PROJECTION SCREEN DROP. ROUGH-IN ONLY. (RE: MEP)
21. GAS HEATERS
22. STRIPPING
23. CHAINLINK FENCE AND GATE
24. PLYWOOD PANELS
25. BOLLARDS
26. FIRE EXTINGUISHER CABINET
27. OIL TANKS LOCATION
28. CONCRETE CURB

NOTE: FOR ALL ITEMS ABOVE REFER TO MEP DRAWINGS AND SPECIFICATIONS.

A1 EQUIPMENT FLOOR PLAN
1/8" = 1'-0"

N
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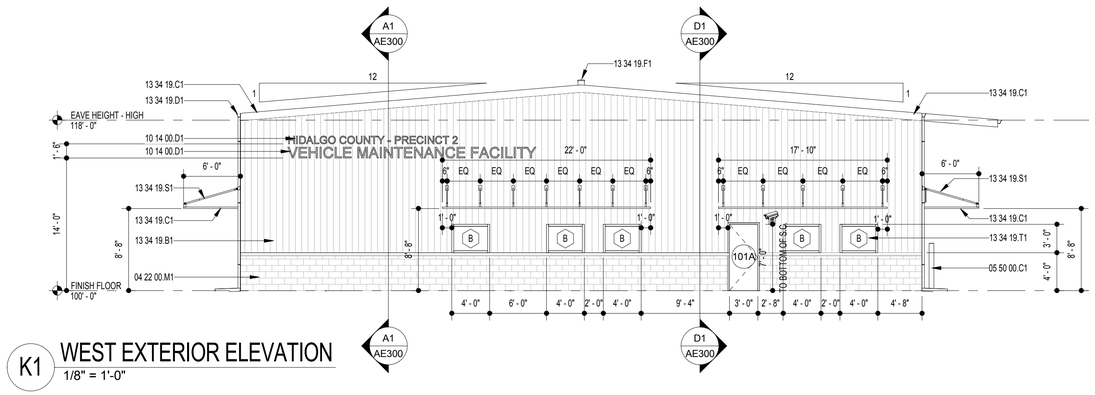
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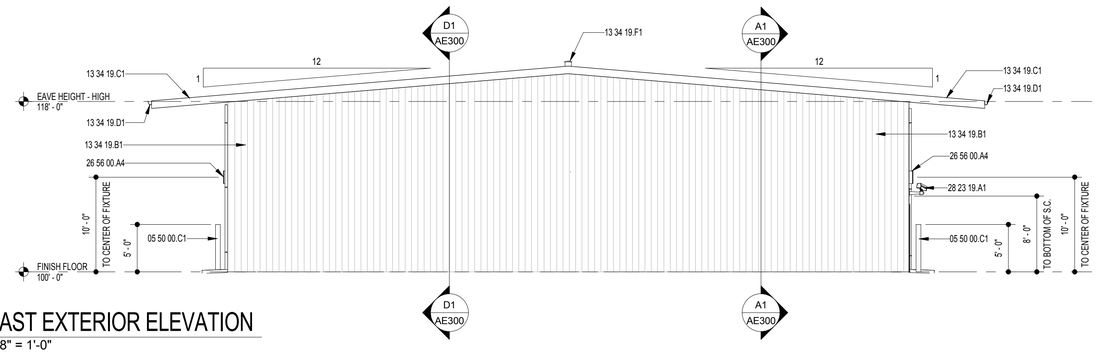
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EQUIPMENT LAYOUT - MAINTENANCE BUILDING

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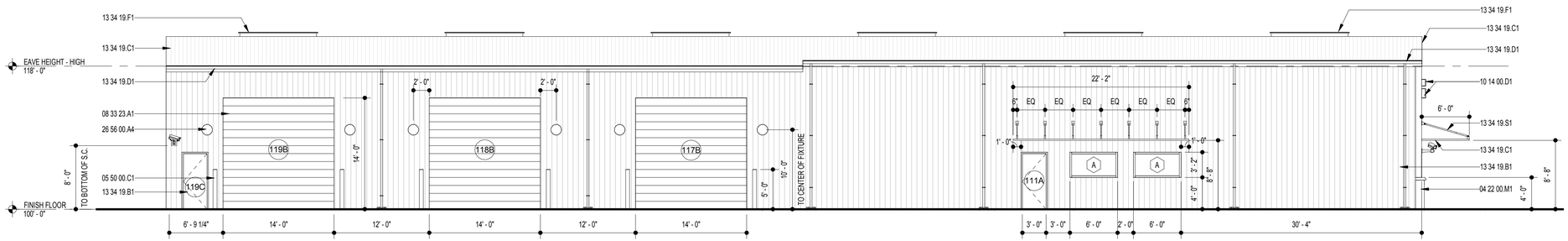
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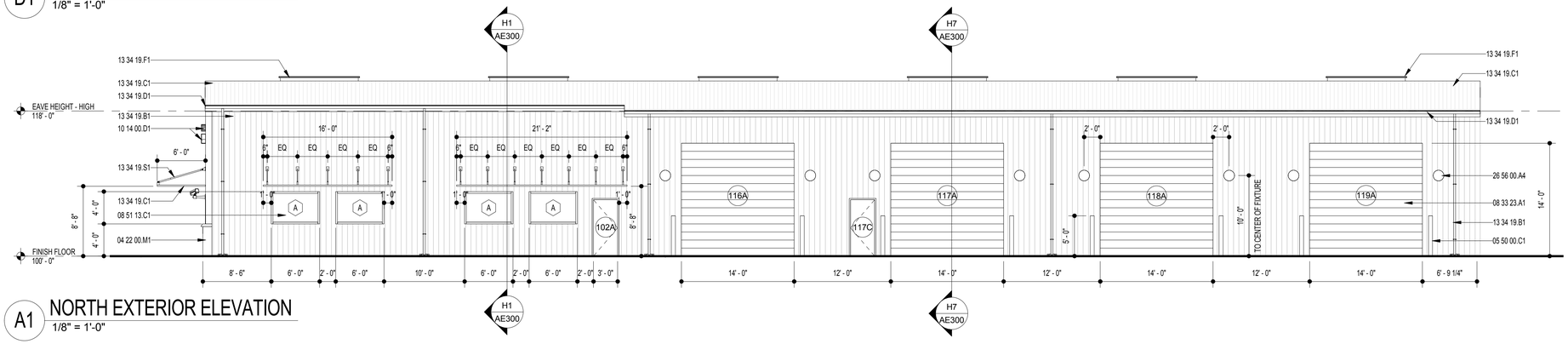
K1 WEST EXTERIOR ELEVATION
1/8" = 1'-0"



G1 EAST EXTERIOR ELEVATION
1/8" = 1'-0"



D1 SOUTH EXTERIOR ELEVATION
1/8" = 1'-0"



A1 NORTH EXTERIOR ELEVATION
1/8" = 1'-0"

EXTERIOR ELEVATIONS GENERAL NOTES

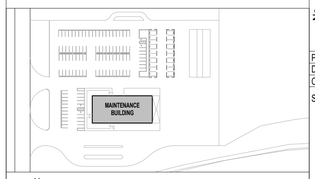
1. INSTALL PRE-ENGINEERED METAL BUILDING PER MANUFACTURER AND ITS SPECIFICATIONS.

2. ALL P.E.M.B. COMPONENTS MAY VARY, DEPENDING ON THE CHOSEN P.E.M.B. MANUFACTURER. COORDINATE SIZES AND FINISHES WITH ARCHITECT.

3. ALL EXTERIOR OPENINGS TO BE COORDINATED WITH RESPECTIVE DISCIPLINES. FINISH OPENING WITH PROPER SEALANT TO AVOID WATER PENETRATION AND RUST. PROVIDE PROPER SUPPORTS FOR EQUIPMENT, WHERE REQUIRED, AND FINISH OPENING WITH METAL WALL PANEL ACCESSORIES.

KEYNOTE LEGEND

04 22 00.M1	8" CMU SPLIT FACE WAINSCOT
05 50 00.C1	GUARD POST BOLLARDS
08 33 23.A1	14' X 14' OVERHEAD COILING DOOR
08 51 13.C1	ALUMINUM FIXED WINDOW
10 14 00.D1	INDIVIDUAL CAST ALUMINUM LETTERS
13 34 19.B1	PRE-ENGINEERED METAL BUILDING SYSTEMS. PRE-FINISHED WALL PANELS. PROVIDE ALL REQUIRED TRIMS AND ACCESSORIES PER MANUFACTURER STANDARDS. COLOR AS SELECTED BY ARCHITECT.
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13 34 19.D1	PRE-ENGINEERED METAL BUILDING SYSTEMS. PRE-FINISHED SCULPTURED GUTTER AND DOWNSPOUTS. COLOR AS SELECTED BY ARCHITECT.
13 34 19.F1	PRE-ENGINEERED METAL BUILDING SYSTEMS. PRE-FINIHSED ROOF RIDGE VENT. COLOR AS SELECTED BY ARCHITECT.
13 34 19.S1	
13 34 19.T1	
26 56 00.A4	EXTERIOR LIGHTING. REFER TO MEP AND SPECIFICATIONS
28 23 19.A1	SECURITY CAMERAS, REFER MEP. OWNER PROVIDED.



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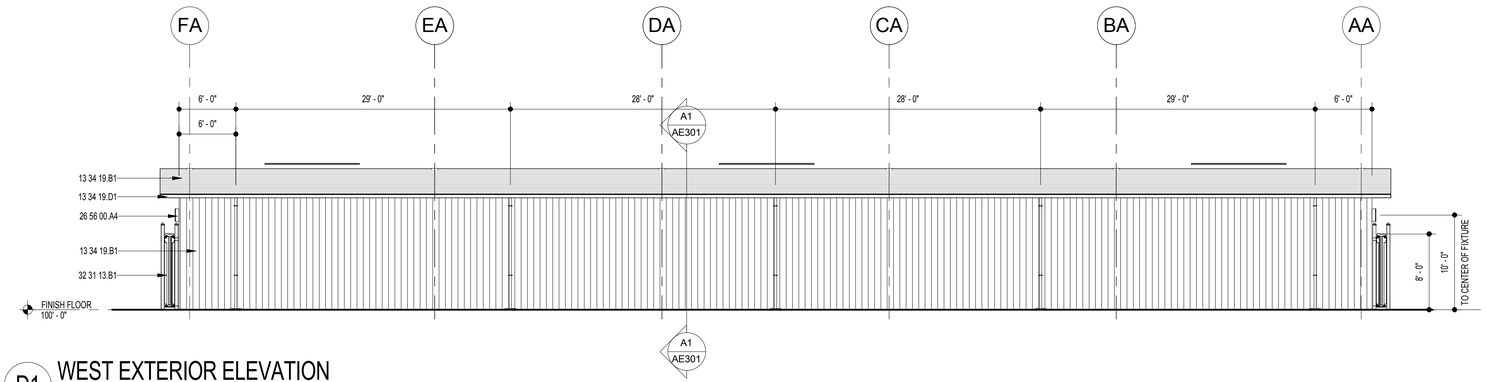
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DRAWN BY: YIPG
CHECKED BY: YIPG

SHEET TITLE: EXTERIOR ELEVATIONS

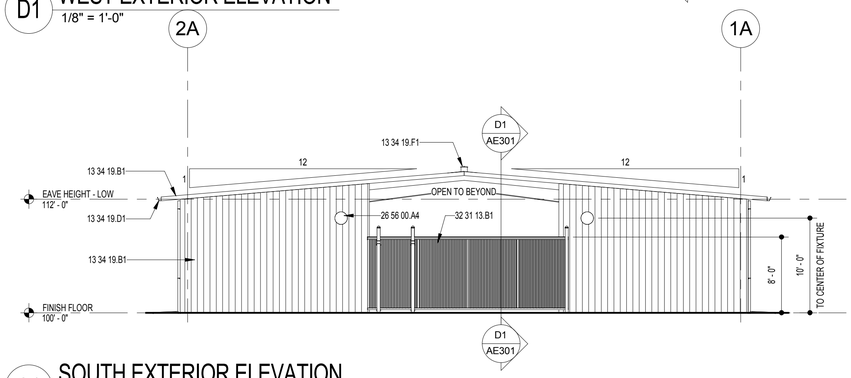
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D1 WEST EXTERIOR ELEVATION
1/8" = 1'-0"



A1 SOUTH EXTERIOR ELEVATION
1/8" = 1'-0"

EXTERIOR ELEVATIONS GENERAL NOTES

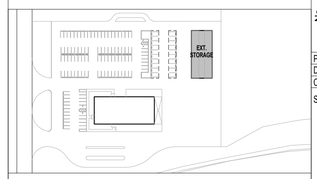
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KEYNOTE LEGEND

13 34 19.B1	PRE-ENGINEERED METAL BUILDING SYSTEMS. PRE-FINISHED WALL PANELS. PROVIDE ALL REQUIRED TRIMS AND ACCESSORIES PER MANUFACTURER STANDARDS. COLOR AS SELECTED BY ARCHITECT.
13 34 19.D1	PRE-ENGINEERED METAL BUILDING SYSTEMS. PRE-FINISHED SCULPTURED GUTTER AND DOWNSPOUTS. COLOR AS SELECTED BY ARCHITECT.
13 34 19.F1	PRE-ENGINEERED METAL BUILDING SYSTEMS. PRE-FINIHSED ROOF RIDGE VENT. COLOR AS SELECTED BY ARCHITECT.
26 56 00.A4	EXTERIOR LIGHTING. REFER TO MEP AND SPECIFICATIONS
32 31 13.B1	DECORATIVE METAL SLIDING GATE



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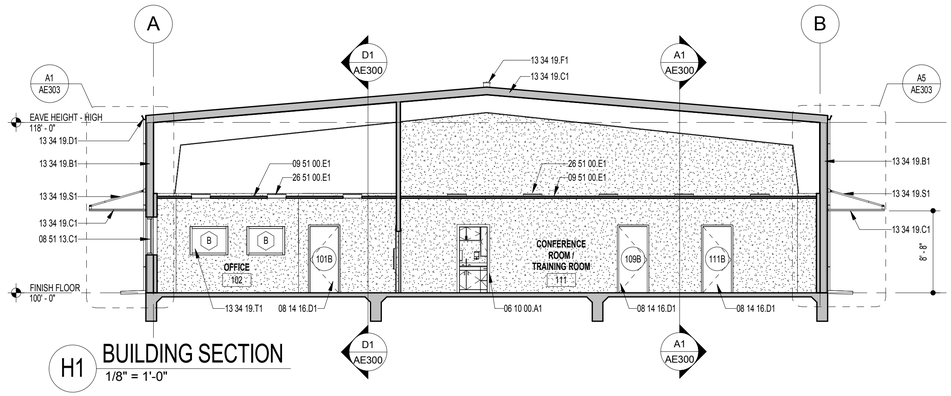
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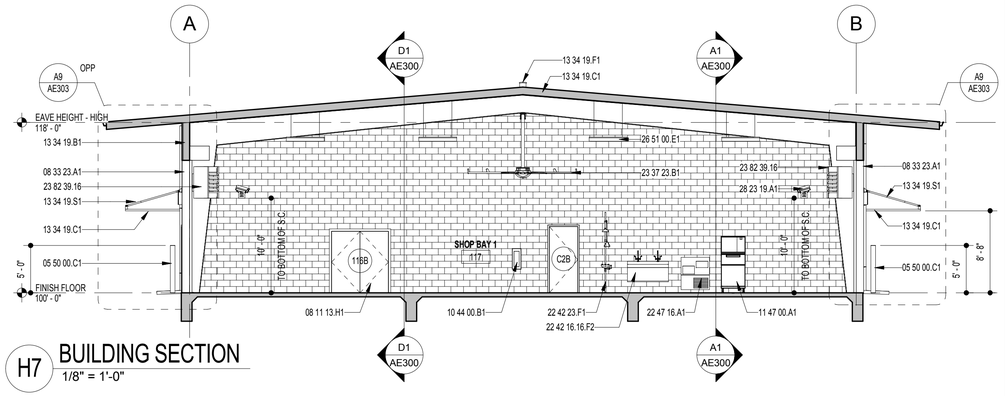
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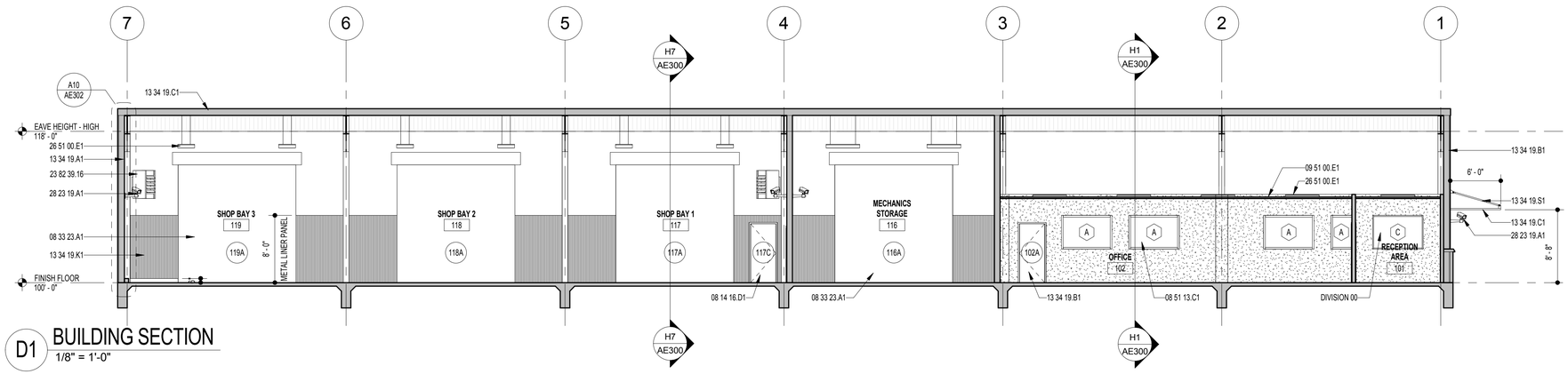
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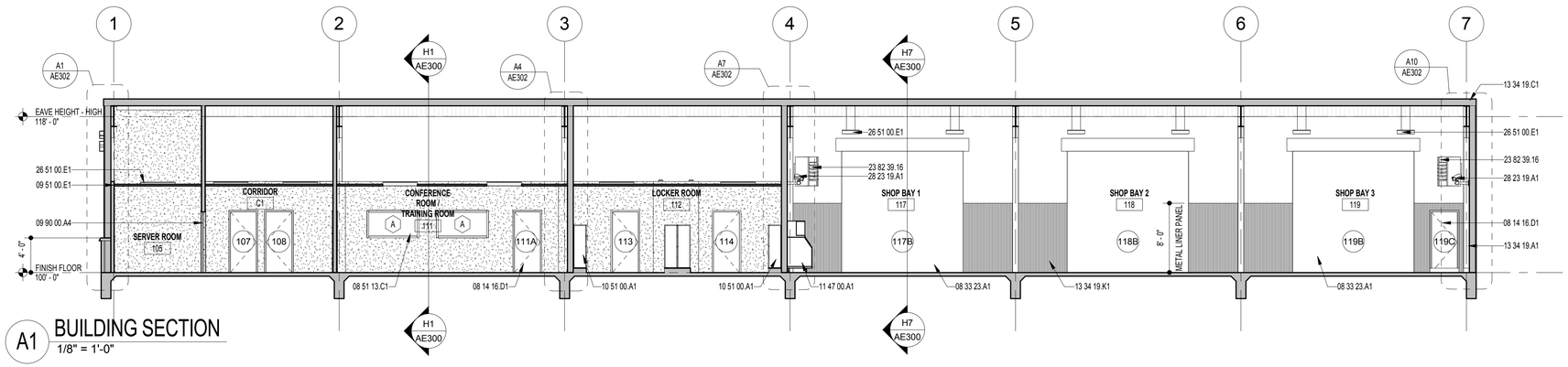
H1 BUILDING SECTION
1/8" = 1'-0"



H7 BUILDING SECTION
1/8" = 1'-0"



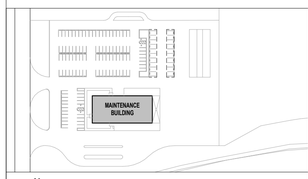
D1 BUILDING SECTION
1/8" = 1'-0"



A1 BUILDING SECTION
1/8" = 1'-0"

KEYNOTE LEGEND

05 50 00.C1	GUARD POST BOLLARDS
06 10 00.A1	PRESSURE TREATED WOOD, 1X
08 11 13.H1	HOLLOW METAL DOOR & FRAME AS SPECIFIED
08 14 16.D1	WOOD FLUSH DOOR AND FRAME AS SPECIFIED
08 33 23.A1	14' X 14' OVERHEAD COILING DOOR
08 51 13.C1	ALUMINUM FIXED WINDOW
09 51 00.E1	ACOUSTICAL CEILING SYSTEM AS SCHEDULES. REFER TO RCP AND SPECIFICATIONS
09 90 00.A4	PAINTED GYPSUM BOARD. REFER TO SPECIFICATIONS
10 44 00.B1	FIRE EXTINGUISHER CABINET
10 51 00.A1	METAL LOCKERS
11 47 00.A1	ICE MACHINE
13 34 19.A1	PRE-ENGINEERED METAL BUILDING SYSTEMS. RIGID FRAME STRUCTURE, PTD. REFER TO STRUCTURAL. COLOR AS SELECTED BY ARCHITECT.
13 34 19.B1	PRE-ENGINEERED METAL BUILDING SYSTEMS. PRE-FINISHED WALL PANELS. PROVIDE ALL REQUIRED TRIMS AND ACCESSORIES PER MANUFACTURER STANDARDS. COLOR AS SELECTED BY ARCHITECT.
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13 34 19.D1	PRE-ENGINEERED METAL BUILDING SYSTEMS. PRE-FINISHED SCULPTURED GUTTER AND DOWNSPOUTS. COLOR AS SELECTED BY ARCHITECT.
13 34 19.F1	PRE-ENGINEERED METAL BUILDING SYSTEMS. PRE-FINIHSED ROOF RIDGE VENT. COLOR AS SELECTED BY ARCHITECT.
13 34 19.K1	PRE-ENGINEERED METAL BUILDING SYSTEMS. PRE-FINISHED CANOPY PIPE BRACES. PROVIDE ALL REQUIRED ACCESSORIES PER MANUFACTURER'S STANDARDS. COLOR AS SELECTED BY ARCHITECT.
13 34 19.S1	
13 34 19.T1	
22 42 16.16.F2	SCRUB SINK
22 42 23.F1	EMERGENCY WASH STATION
22 47 16.A1	DRINKING FOUNTAIN
23 37 23.B1	
23 82 39.16	PROPELLER UNIT HEATERS
26 51 00.E1	INTERIOR LIGHTING. REFER TO MEP AND SPECIFICATIONS
28 23 19.A1	SECURITY CAMERAS, REFER MEP. OWNER PROVIDED.
DIVISION 00	PROCUREMENT AND CONTRACTING REQUIREMENTS



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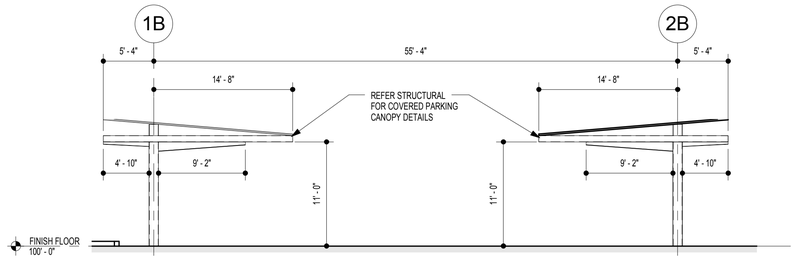
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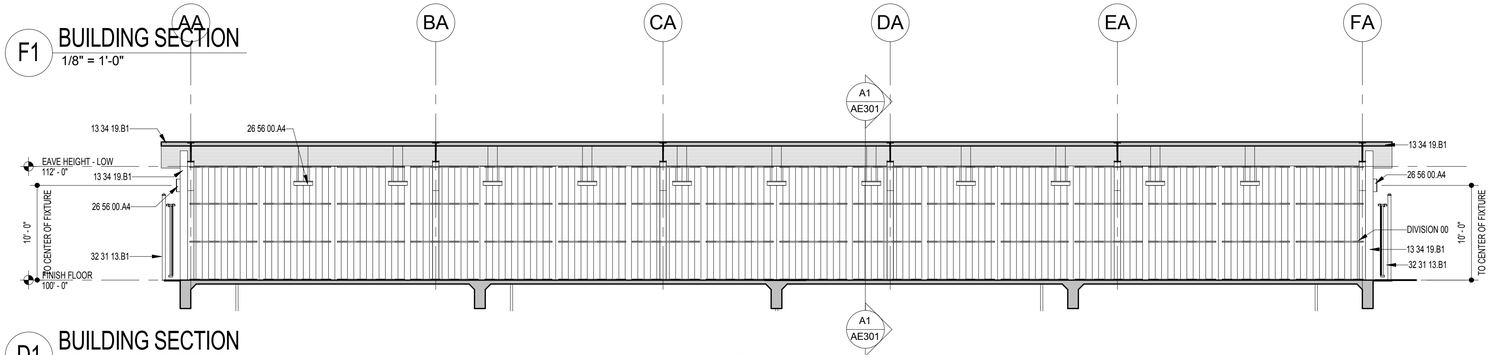
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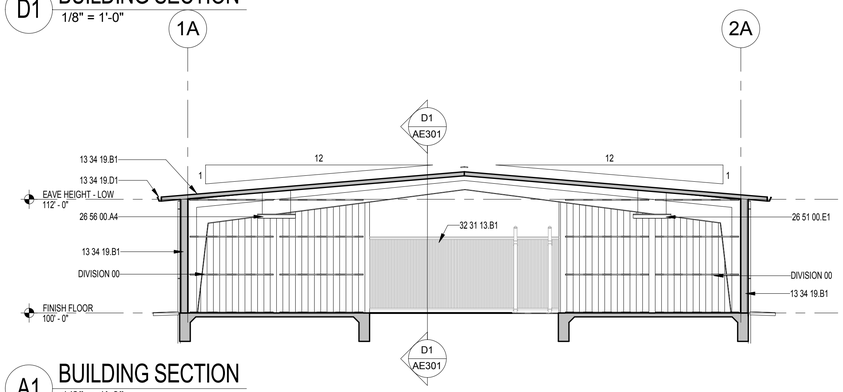
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F1 BUILDING SECTION
1/8" = 1'-0"



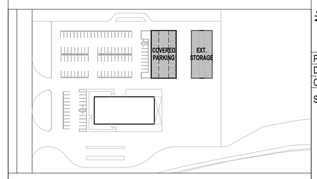
D1 BUILDING SECTION
1/8" = 1'-0"



A1 BUILDING SECTION
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KEYNOTE LEGEND

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13 34 19.D1	PRE-ENGINEERED METAL BUILDING SYSTEMS. PRE-FINISHED SCULPTURED GUTTER AND DOWNSPOUTS. COLOR AS SELECTED BY ARCHITECT.
26 51 00.E1	INTERIOR LIGHTING. REFER TO MEP AND SPECIFICATIONS
26 56 00.A4	EXTERIOR LIGHTING. REFER TO MEP AND SPECIFICATIONS
32 31 13.B1	DECORATIVE METAL SLIDING GATE
DIVISION 00	PROCUREMENT AND CONTRACTING REQUIREMENTS



N
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KEY PLAN

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ELI R.OCHOA, P.E., AIA
TEXAS REGISTRATION NO.
Engineer: 60251
Architect: 18160

CONSULTANTS

PROJECT NAME: HIDALGO COUNTY - PRECINCT 2
NEW VEHICLE MAINTENANCE FACILITY

PROJECT LOCATION: SOUTH "I" ROAD, PHARR, TEXAS 78577

PROJECT OWNER: HIDALGO COUNTY
2812 SOUTH BUSINESS HWY. 281, EDINBURG, TEXAS 78539

No.	Description	Date

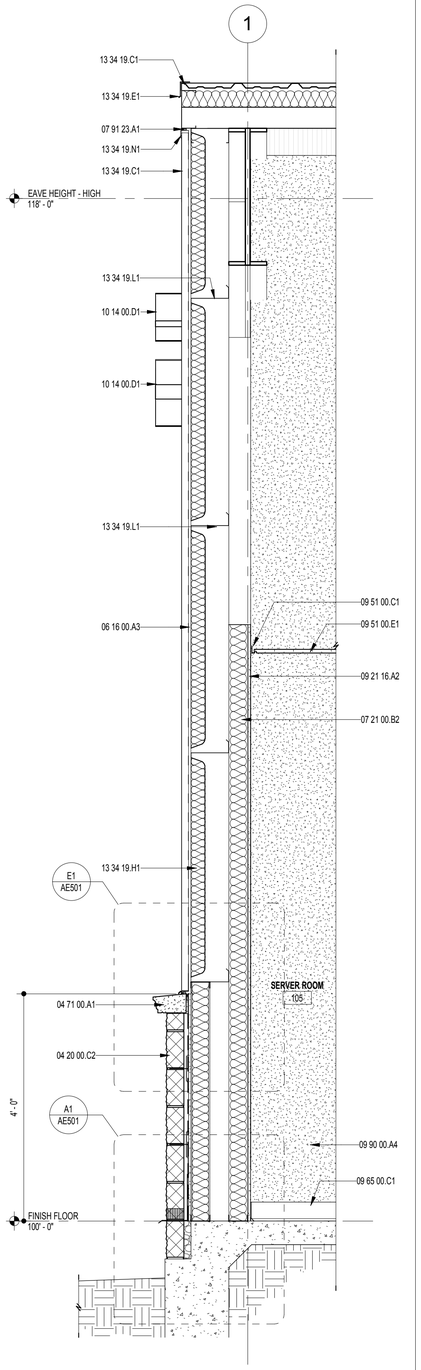
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CHECKED BY: YIPG

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BUILDING SECTIONS

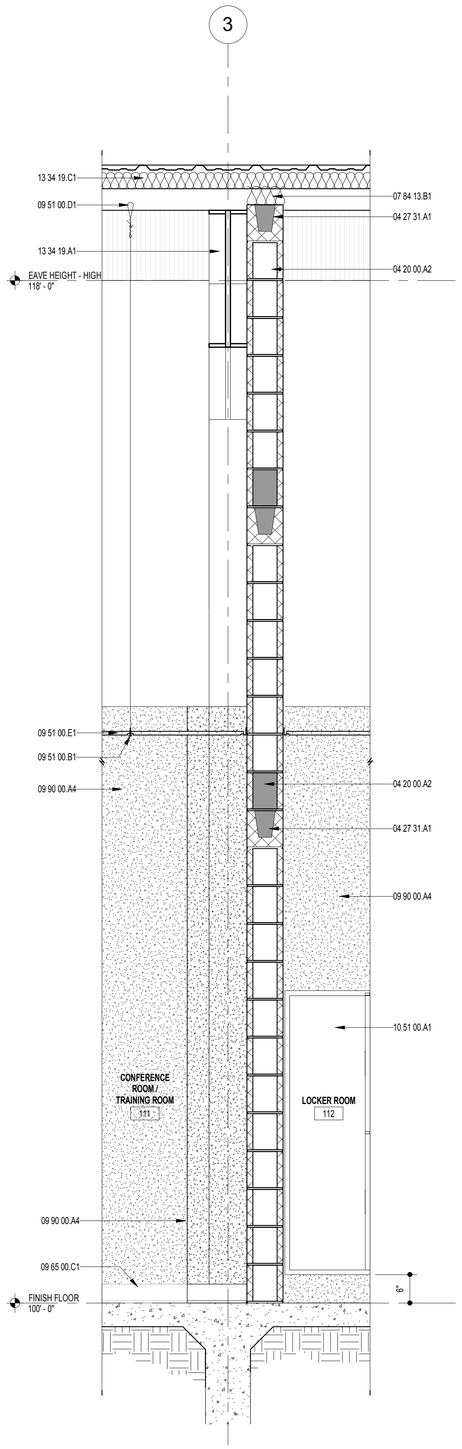
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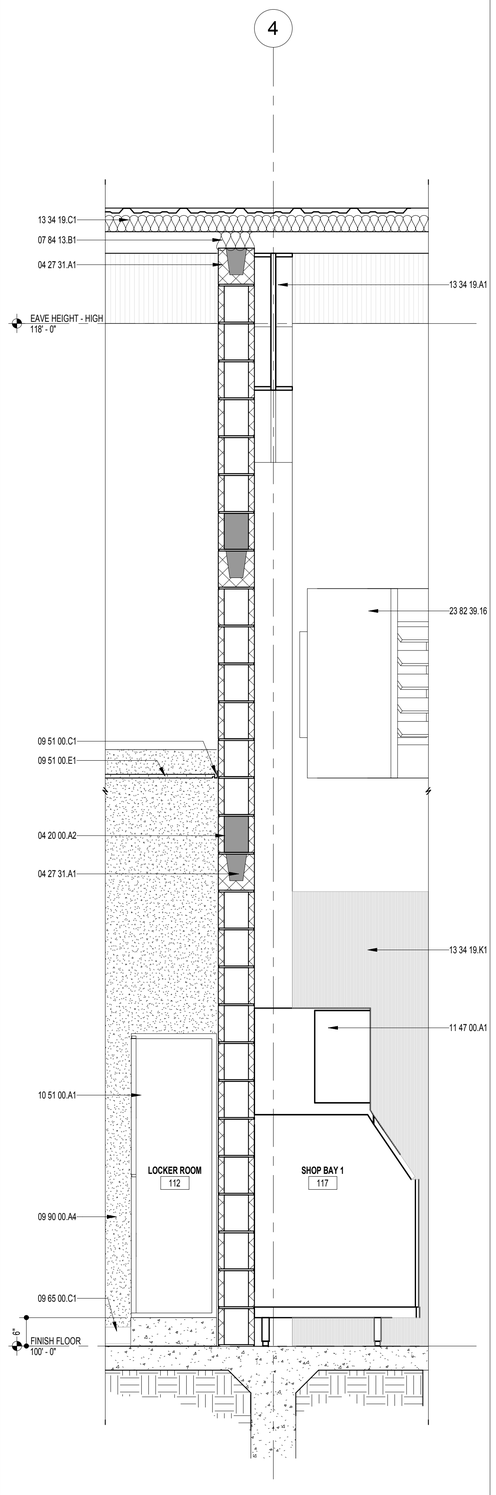
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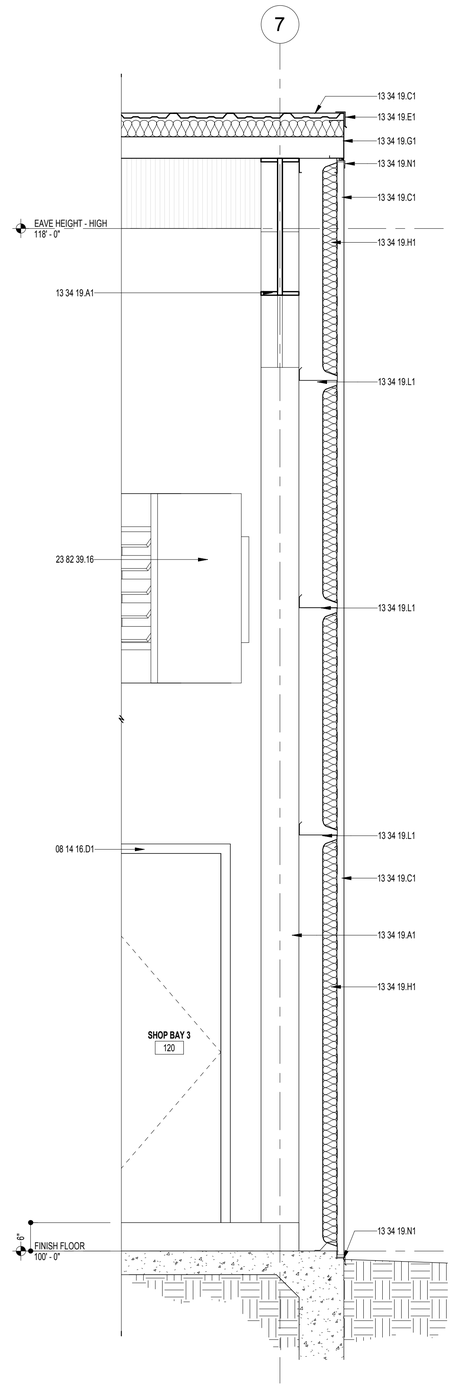
A1 WALL SECTION
3/4" = 1'-0"



A4 WALL SECTION
3/4" = 1'-0"



A7 WALL SECTION
3/4" = 1'-0"



A10 WALL SECTION
3/4" = 1'-0"

WALL SECTION GENERAL NOTES

1. CONTRACTOR SHALL CROSS-REFERENCE STRUCTURAL COMPONENT DIMENSIONS WITH STRUCTURAL DRAWINGS AND NOTIFY ARCHITECT OF DISCREPANCIES PRIOR TO INSTALLATION.

2. PROVIDE MASONRY WEEP HOLES AT 32" O.C. MAX.

3. AT PERIMETER JOINT BETWEEN ALUMINUM FRAMES AND DISSIMILAR MATERIALS, PROVIDE MINIMUM OF 3/8" JOINT WITH BACKER ROD AND SEALANT.

4. AT ALL REFERENCES TO ALUMINUM SUB-SILL, PROVIDE ALUMINUM SUB-SILL WITH END DAMS. TURN END DAMS UP A MINIMUM OF 6".

5. ALL EXPOSED METALS (INTERIOR AND EXTERIOR), EXCEPT GALVANIZED AND PRE-FINISHED ITEMS, SHALL BE FINISH PAINTED - COLOR SELECTED BY ARCHITECT.

6. EXPOSED CONCRETE WALLS, COLUMNS AND BEAMS TO HAVE "RUBBED OR THOROSEAL" FINISH - COLOR SELECTED BY ARCHITECT.

7. SEE INTERIOR ELEVATIONS FOR MATERIALS FINISH TRANSITION AT EACH ROOM.

8. DAMPPROOFING SHALL BE TROWELLED ON APPLICATION.

9. REFER TO ROOF PLAN, ROOF DETAILS IN SHEET AE506 FOR TYPICAL ROOF AND FLASHING DETAILS.

10. REFERENCE EXTERIOR ELEVATIONS FOR VENEER FINISH PATTERNS.

KEYNOTE LEGEND

04 20 00.A2	CONCRETE BLOCK, 8" THICK
04 20 00.C2	4" SPLIT FACE CMU
04 27 31.A1	CONT. BOND BEAM, REFER STRUCTURE
04 71 00.A1	CAST STONE WATERTABLE
06 16 00.A3	1/2" GYPSUM SHEATHING
07 21 00.B2	BATT INSULATION, R-19
07 84 13.B1	FIRESTOPPING
07 91 23.A1	BACKER RODS
08 14 16.D1	WOOD FLUSH DOOR AND FRAME AS SPECIFIED
09 21 16.A2	GYPSUM WALLBOARD, 5/8" THICK
09 51 00.B1	9/16" TEE
09 51 00.C1	9/16" WALL ANGLE
09 51 00.D1	SUSPENSION WIRE
09 51 00.E1	ACOUSTICAL CEILING SYSTEM AS SCHEDULES. REFER TO RCP AND SPECIFICATIONS
09 65 00.C1	4" RUBBER BASE
09 90 00.A4	PAINTED GYPSUM BOARD. REFER TO SPECIFICATIONS
10 14 00.D1	INDIVIDUAL CAST ALUMINUM LETTERS
10 51 00.A1	METAL LOCKERS
11 47 00.A1	ICE MACHINE
13 34 19.A1	PRE-ENGINEERED METAL BUILDING SYSTEMS. RIGID FRAME STRUCTURE, PTD. REFER TO STRUCTURAL. COLOR AS SELECTED BY ARCHITECT.
13 34 19.C1	PRE-ENGINEERED METAL BUILDING SYSTEMS. PRE-FINISHED STANDING SEAM METAL ROOF. COLOR AS SELECTED BY ARCHITECT.
13 34 19.E1	PRE-ENGINEERED METAL BUILDING SYSTEMS. PRE-FINISHED RAKE TRIM. COLOR AS SELECTED BY ARCHITECT.
13 34 19.G1	PRE-ENGINEERED METAL BUILDING SYSTEMS. PRE-FINISHED METAL SOFFIT PANELS. COLOR AS SELECTED BY ARCHITECT.
13 34 19.H1	PRE-ENGINEERED METAL BUILDING SYSTEMS. DOWNSPOUTS DRAINING TO CONCRETE SPLASH BLOCKS.
13 34 19.K1	PRE-ENGINEERED METAL BUILDING SYSTEMS. PRE-FINISHED CANOPY PIPE BRACES. PROVIDE ALL REQUIRED ACCESSORIES PER MANUFACTURER'S STANDARDS. COLOR AS SELECTED BY ARCHITECT.
13 34 19.L1	PRE-ENGINEERED METAL BUILDING SYSTEMS. TRANSLUSCENT ROOF PANEL. PROVIDE ALL REQUIRED TRIMS AND ACCESSORIES PER MANUFACTURER'S STANDARDS. COLOR AS SELECTED BY ARCHITECT.
13 34 19.N1	
23 82 39.16	PROPELLER UNIT HEATERS

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ELI R.OCHOA, P.E., AIA
TEXAS REGISTRATION NO.
Engineer: 60251
Architect: 18160

CONSULTANTS

PROJECT NAME: HIDALGO COUNTY - PRECINCT 2
NEW VEHICLE MAINTENANCE FACILITY

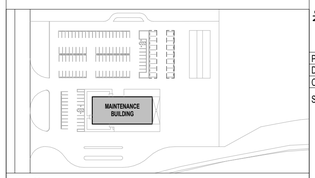
PROJECT LOCATION: SOUTH "I" ROAD, PHARR, TEXAS 78577

PROJECT OWNER: HIDALGO COUNTY
2812 SOUTH BUSINESS HWY. 281, EDINBURG, TEXAS 78539

No.	Date	Description

PROJECT NO.: 13012
DRAWN BY: YIPG
CHECKED BY: YIPG

SHEET TITLE: WALL SECTIONS



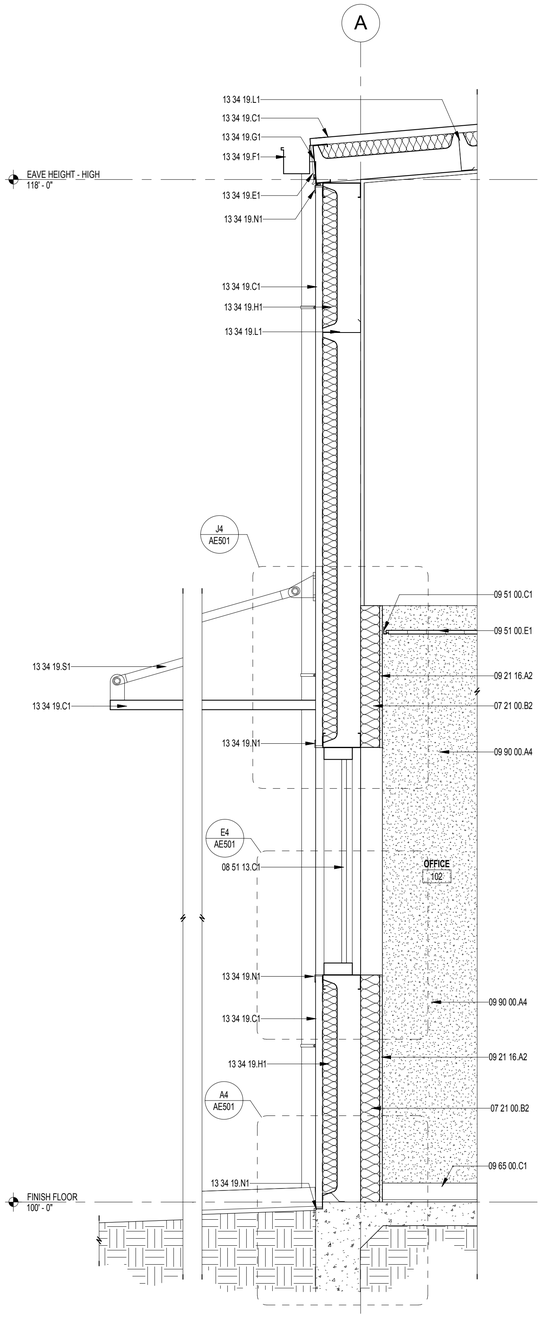
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KEY PLAN

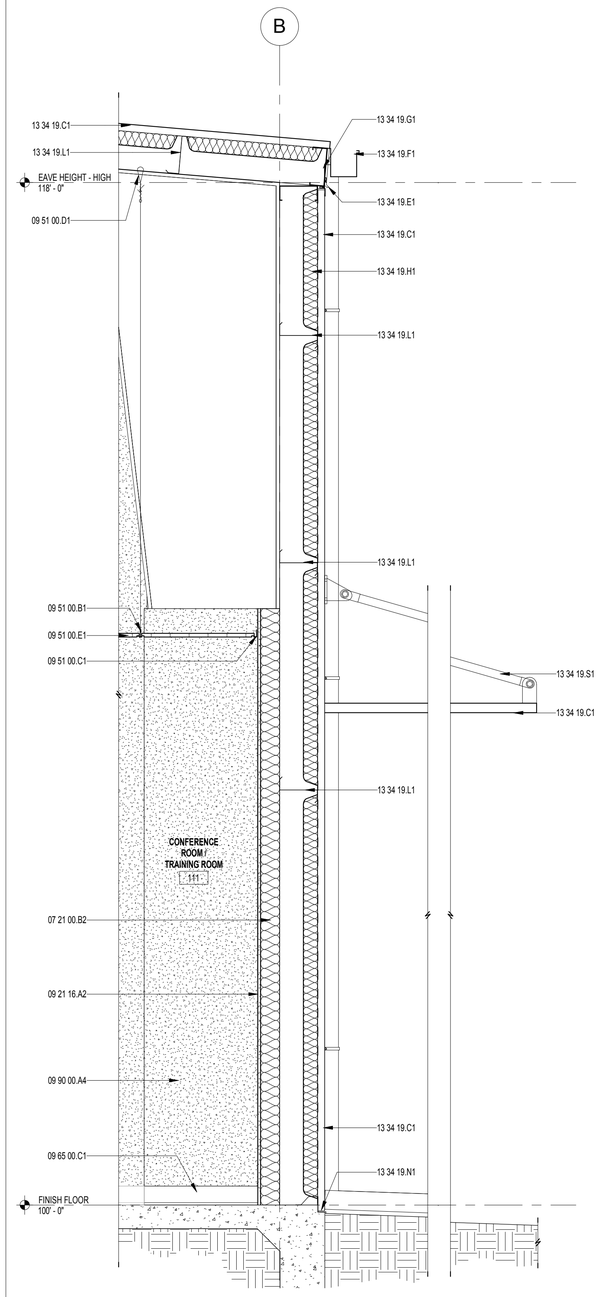
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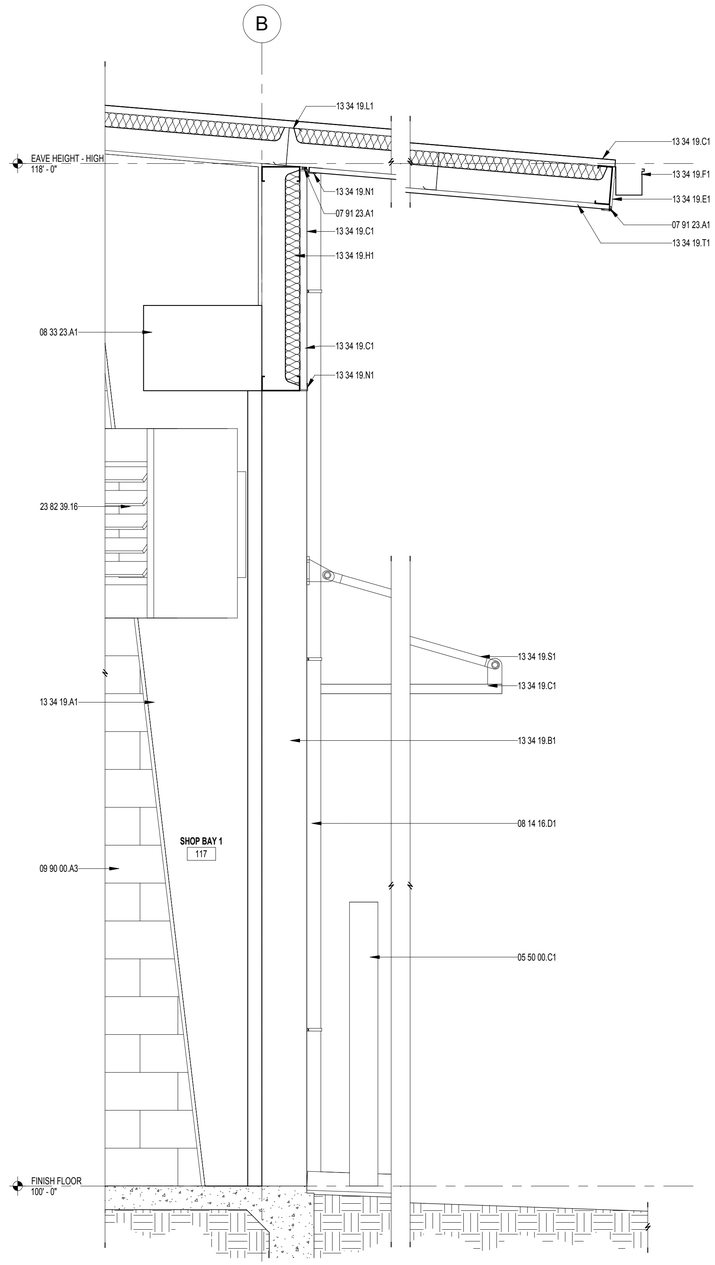
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A1 WALL SECTION
3/4" = 1'-0"



A5 WALL SECTION
3/4" = 1'-0"



A9 WALL SECTION
3/4" = 1'-0"

WALL SECTION GENERAL NOTES

1. CONTRACTOR SHALL CROSS-REFERENCE STRUCTURAL COMPONENT DIMENSIONS WITH STRUCTURAL DRAWINGS AND NOTIFY ARCHITECT OF DISCREPANCIES PRIOR TO INSTALLATION.

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3. AT PERIMETER JOINT BETWEEN ALUMINUM FRAMES AND DISSIMILAR MATERIALS, PROVIDE MINIMUM OF 3/8" JOINT WITH BACKER ROD AND SEALANT.

4. AT ALL REFERENCES TO ALUMINUM SUB-SILL, PROVIDE ALUMINUM SUB-SILL WITH END DAMS. TURN END DAMS UP A MINIMUM OF 6".

5. ALL EXPOSED METALS (INTERIOR AND EXTERIOR), EXCEPT GALVANIZED AND PRE-FINISHED ITEMS, SHALL BE FINISH PAINTED - COLOR SELECTED BY ARCHITECT.

6. EXPOSED CONCRETE WALLS, COLUMNS AND BEAMS TO HAVE "RUBBED OR THOROSEAL" FINISH - COLOR SELECTED BY ARCHITECT.

7. SEE INTERIOR ELEVATIONS FOR MATERIALS FINISH TRANSITION AT EACH ROOM.

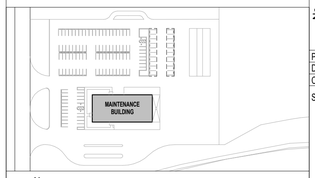
8. DAMPPROOFING SHALL BE TROWELLED ON APPLICATION.

9. REFER TO ROOF PLAN, ROOF DETAILS IN SHEET AE506 FOR TYPICAL ROOF AND FLASHING DETAILS.

10. REFERENCE EXTERIOR ELEVATIONS FOR VENEER FINISH PATTERNS.

KEYNOTE LEGEND

05 50 00.C1	GUARD POST BOLLARDS
07 21 00.B2	BATT INSULATION, R-19
07 91 23.A1	BACKER RODS
08 14 16.D1	WOOD FLUSH DOOR AND FRAME AS SPECIFIED
08 33 23.A1	14' X 14' OVERHEAD COILING DOOR
08 51 13.C1	ALUMINUM FIXED WINDOW
09 21 16.A2	GYPSUM WALLBOARD, 5/8" THICK
09 51 00.B1	9/16" TEE
09 51 00.C1	9/16" WALL ANGLE
09 51 00.D1	SUSPENSION WIRE
09 51 00.E1	ACOUSTICAL CEILING SYSTEM AS SCHEDULES. REFER TO RCP AND SPECIFICATIONS
09 65 00.C1	4" RUBBER BASE
09 90 00.A3	PAINTED CMU. REFER TO SPECIFICATIONS
09 90 00.A4	PAINTED GYPSUM BOARD. REFER TO SPECIFICATIONS
13 34 19.A1	PRE-ENGINEERED METAL BUILDING SYSTEMS. RIGID FRAME STRUCTURE, PTD. REFER TO STRUCTURAL. COLOR AS SELECTED BY ARCHITECT.
13 34 19.B1	PRE-ENGINEERED METAL BUILDING SYSTEMS. PRE-FINISHED WALL PANELS. PROVIDE ALL REQUIRED TRIMS AND ACCESSORIES PER MANUFACTURER STANDARDS. COLOR AS SELECTED BY ARCHITECT.
13 34 19.C1	PRE-ENGINEERED METAL BUILDING SYSTEMS. PRE-FINISHED STANDING SEAM METAL ROOF. COLOR AS SELECTED BY ARCHITECT.
13 34 19.E1	PRE-ENGINEERED METAL BUILDING SYSTEMS. PRE-FINISHED RAKE TRIM. COLOR AS SELECTED BY ARCHITECT.
13 34 19.F1	PRE-ENGINEERED METAL BUILDING SYSTEMS. PRE-FINIHSED ROOF RIDGE VENT. COLOR AS SELECTED BY ARCHITECT.
13 34 19.G1	PRE-ENGINEERED METAL BUILDING SYSTEMS. PRE-FINISHED METAL SOFFIT PANELS. COLOR AS SELECTED BY ARCHITECT.
13 34 19.H1	PRE-ENGINEERED METAL BUILDING SYSTEMS. DOWNSPOUTS DRAINING TO CONCRETE SPLASH BLOCKS.
13 34 19.L1	PRE-ENGINEERED METAL BUILDING SYSTEMS. TRANSLUSCENT ROOF PANEL. PROVIDE ALL REQUIRED TRIMS AND ACCESSORIES PER MANUFACTURER'S STANDARDS. COLOR AS SELECTED BY ARCHITECT.
13 34 19.N1	
13 34 19.S1	
13 34 19.T1	
23 82 39.16	PROPELLER UNIT HEATERS



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ELI R.OCHOA, P.E., AIA
TEXAS REGISTRATION NO.
Engineer: 60251
Architect: 18160

CONSULTANTS

PROJECT NAME: HIDALGO COUNTY - PRECINCT 2
NEW VEHICLE MAINTENANCE FACILITY

PROJECT LOCATION: SOUTH "I" ROAD, PHARR, TEXAS 78577

PROJECT OWNER: HIDALGO COUNTY
2812 SOUTH BUSINESS HWY. 281, EDINBURG, TEXAS 78539

No.	Date	Description

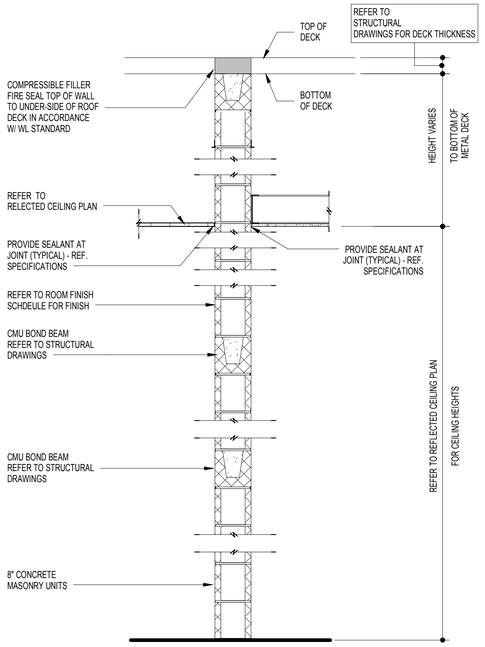
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DRAWN BY: YIPG
CHECKED BY: YIPG

SHEET TITLE:
WALL SECTIONS

AE303

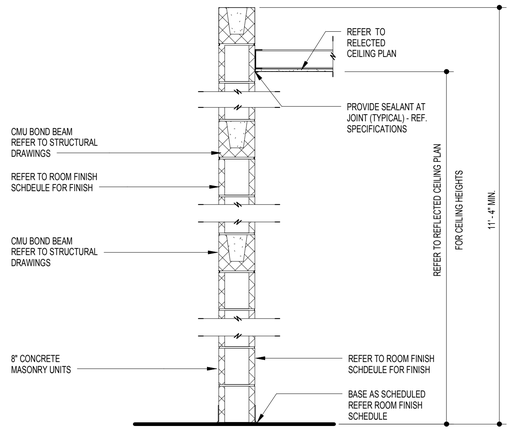
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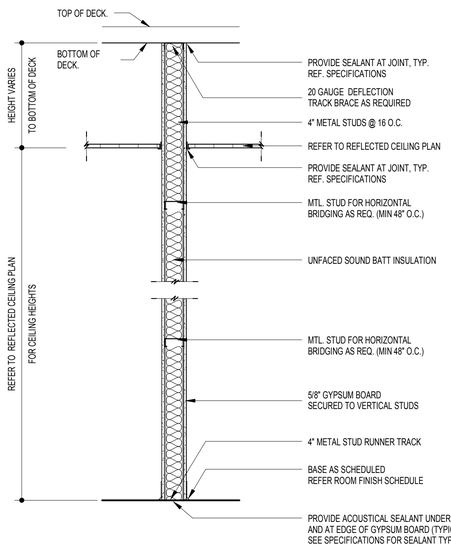
TYPE 4

TYPE	RATING	STC	DESCRIPTION
4	--	--	INTERIOR PARTITION AT MAINTENANCE BUILDING
4A	1 HR.	--	FIRE RATED INTERIOR PARTITION AT MAINTENANCE BUILDING



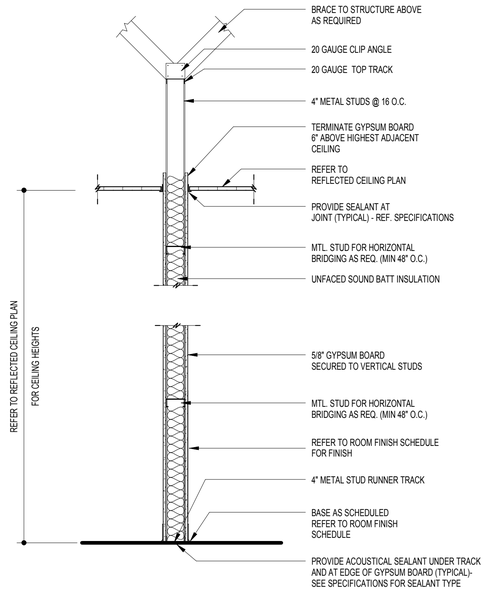
TYPE 5

TYPE	RATING	STC	DESCRIPTION
4	--	--	INTERIOR PARTITION AT MAINTENANCE BUILDING



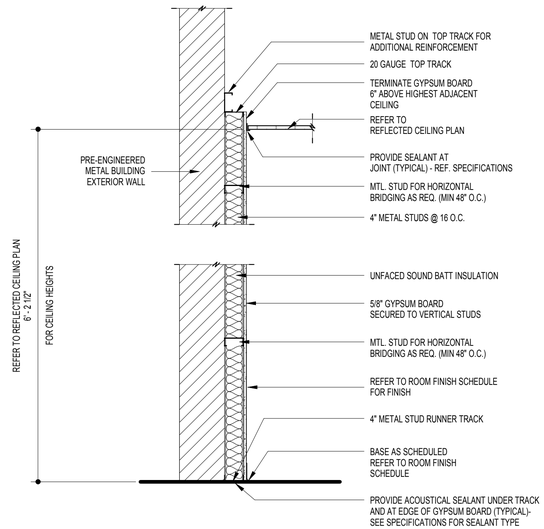
TYPE 1

TYPE	RATING	STC	DESCRIPTION
1	--	--	INTERIOR PARTITION AT MAINTENANCE BUILDING
1A	1 HR.	--	FIRE RATED INTERIOR PARTITION AT MAINTENANCE BUILDING



TYPE 2

TYPE	RATING	STC	DESCRIPTION
2	--	--	INTERIOR PARTITION AT MAINTENANCE BUILDING



TYPE 3

TYPE	RATING	STC	DESCRIPTION
3	--	--	INTERIOR FURR-OUT PARTITION AT MAINTENANCE BUILDING

WALL TYPES GENERAL NOTES

1. ALL DRYWALL CONSTRUCTION SHALL BE WALL TYPE "1", UNLESS NOTED OTHERWISE.

2. ALL CMU WALL CONSTRUCTION SHALL BE WALL TYPE "4", UNLESS NOTED OTHERWISE.

3. EVERY WALL SHOWN ON THE PLAN(S) SHALL BE ONE OF THE WALL TYPES SHOWN; WHETHER KEYED ON THE PLAN(S) OR NOT. IF WALL DOES NOT HAVE A KEY, PROVIDE A WALL TYPE TO MATCH ADJACENT OR NEAREST KEY.

4. REFER TO SHEET AF601 FOR ROOM FINISH SCHEDULE.

5. SEALL ALL GAPS AND PENETRATIONS IN FIRE RATED WALLS WITH FIRE RATED BLANKETS AND/OR SEALANTS.

6. ALL EXPOSED WALLS THAT ARE PERPENDICULAR TO ROOF DECK SHOULD BE SEALED TIGHT TO UNDERSIDE OF DECK.

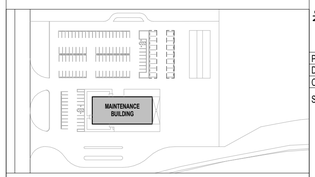
7. WHERE WALLS ARE CALLED TO EXTEND TO UNDERSIDE OF DECK, ALIGN WALL(S) WITH STRUCTURE ABOVE AND/OR WRAP STRUCTURE WITH DRYWALL.

8. SEAL ALL GAPS, CRACKS AND PENETRATIONS THROUGHT WALLS.

9. ALL LOAD BEARING STUDS TO BE 14 GAUGE.

10. FOR HEIGHTS OF WALLS SEE BUILDING SECTIONS AND/OR ELEVATIONS.

11. SEE SPECIFICATIONS FOR GUAGES OF NON-LOAD BEARING WALLS.



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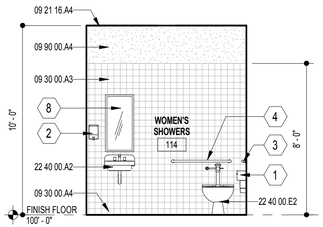
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DRAWN BY: YIPG
CHECKED BY: YIPG

SHEET TITLE: WALL TYPES

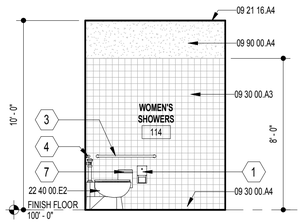
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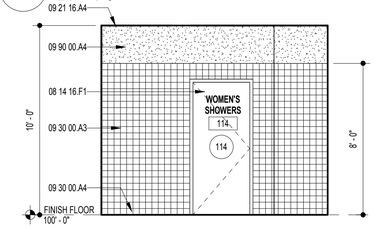
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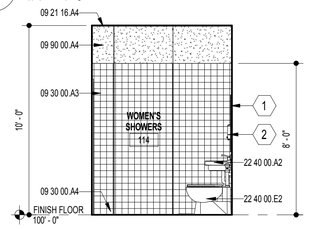
K1 INTERIOR ELEVATION
1/4" = 1'-0"



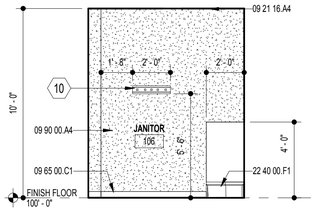
K4 INTERIOR ELEVATION
1/4" = 1'-0"



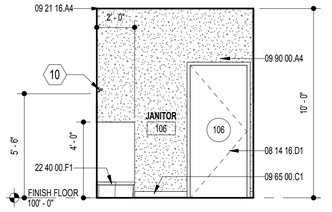
H1 INTERIOR ELEVATION
1/4" = 1'-0"



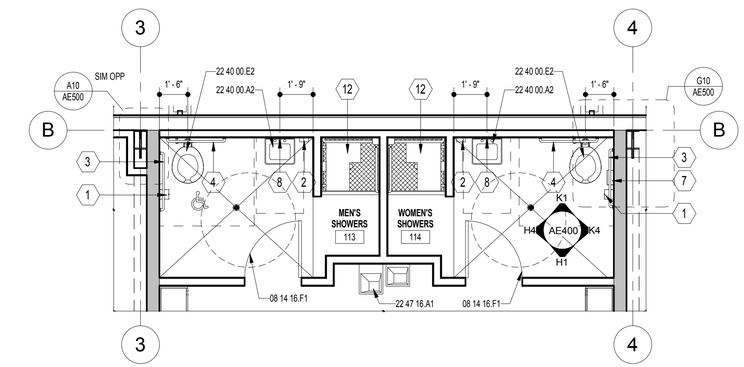
H4 INTERIOR ELEVATION
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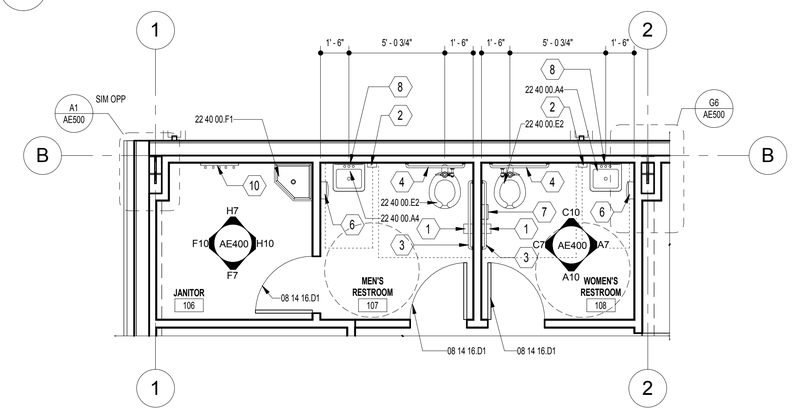
H7 INTERIOR ELEVATION
1/4" = 1'-0"



H10 INTERIOR ELEVATION
1/4" = 1'-0"



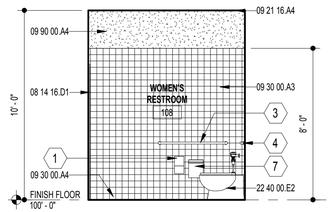
D1 ENLARGED FLOOR PLAN
1/4" = 1'-0"



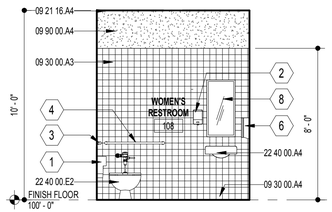
A1 ENLARGED FLOOR PLAN
1/4" = 1'-0"

H7 INTERIOR ELEVATION
1/4" = 1'-0"

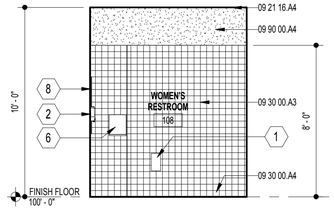
H10 INTERIOR ELEVATION
1/4" = 1'-0"



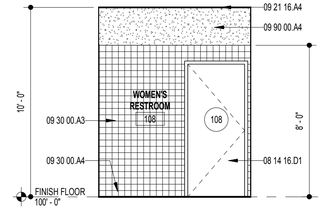
F7 INTERIOR ELEVATION
1/4" = 1'-0"



F10 INTERIOR ELEVATION
1/4" = 1'-0"



C7 INTERIOR ELEVATION
1/4" = 1'-0"



C10 INTERIOR ELEVATION
1/4" = 1'-0"

A7 INTERIOR ELEVATION
1/4" = 1'-0"

A10 INTERIOR ELEVATION
1/4" = 1'-0"

INTERIOR ELEVATIONS GENERAL NOTES

1. PROVIDE CONTROL JOINTS AS SHOWN AND SPECIFIED.

2. REFER TO SHEET GI003 FOR ALL TOILET ACCESSORIES.

3. REFER TO SHEET AE408 AND AE409 FOR CASEWORK GENERAL NOTES.

4. ALL APPLIANCES, STOVES, OVENS, REFRIGERATORS, DISHWASHERS, ICE MACHINES AND MICROWAVES SHALL BE PROVIDED BY THE OWNER AND INSTALLED BY THE CONTRACTOR.

5. CONTRACTOR SHALL COORDINATE WITH THE M.E.P. DRAWINGS AND SHALL THICKEN WALLS AS REQUIRED TO INSTALL M.E.P. ITEMS. VERIFY WITH THE ARCHITECT THAT THICKENING OF WALLS DOESN'T AFFECT HANDICAPPED ACCESSIBLE REQUIREMENTS.

6. SEAL ALL GAPS WHERE M.E.P. SYSTEMS PENETRATE WALLS, FLOORS, CEILINGS, FIRE ASSEMBLIES AND ROOFING.

7. WHERE STRUCTURE IS SCHEDULED TO BE EXPOSED, LEAVE CLEAN, BLEMISH FREE DECK WITH FACTORY FINISH EXPOSED TO VIEW.

8. PROVIDE 3/4" PLYWOOD, PAINTED, OVER TAPED & FLOATED GYPSUM BOARD ON WALLS OF I.D.F. AND M.D.F. ROOMS.

9. PAINT ALL HOLLOW METAL FRAMES.

10. PROVIDE EPOXY PAINT ON ALL MASONRY WALLS SCHEDULED TO RECEIVE PAINT.

11. PAINT ALL GYPSUM BOARD SURFACES.

12. REVIEW INTERIOR ELEVATIONS ON SHEETS AE401 THRU AE407 FOR SPECIAL CONDITIONS, COLOR, FLOOR AND WALL PATTERNS.

13. REFER TO REFLECTED CEILING PLANS, SHEETS AE105 AND AE106, FOR SPECIAL CONDITIONS, PATTERNS, CEILING HEIGHT VARIATIONS.

14. ALL EXPOSED WOOD ON ENTIRE PROJECT SHALL BE PREMIUM GRADE "A", PLAIN SLICED, PREMIUM WHITE MAPLE FINISH WITH TRANSPARENT FINISH.

15. PROVIDE FLOOR TRANSITION STRIPS AT ALL DISSIMILAR FLOOR MATERIALS/FINISHES.

KEYNOTE LEGEND

08 14 16.D1	WOOD FLUSH DOOR AND FRAME AS SPECIFIED
08 14 16.F1	FLUSH WOOD DOORS
09 21 16.A4	GYPSUM CEILING BOARD, 1/2" THICK
09 30 00.A3	CERAMIC TILE
09 30 00.A4	CERAMIC TILE BASE
09 65 00.C1	4" RUBBER BASE
09 90 00.A4	PAINTED GYPSUM BOARD. REFER TO SPECIFICATIONS
22 40 00.A2	
22 40 00.A4	SELF-RIMMING SINK
22 40 00.E2	WATER CLOSET
22 40 00.F1	MOP SINK
22 47 16.A1	DRINKING FOUNTAIN

ACCESSORIES SCHEDULE

TOILET ACCESSORIES

MARK	DESCRIPTION
1	MULTI-ROLL TOILET TISSUE DISPENSER
2	LIQUID-SOAP DISPENSER
3	GRAB BAR - 42" LONG
4	GRAB BAR - 36" LONG
5	WASTE RECEPTABLE
6	PAPER TOWEL DISPENSER UNIT
7	SANITARY-NAPKIN DISPENSER UNIT
8	MIRROR UNIT
9	WARM-AIR DRYER

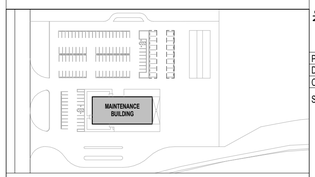
UTILITY ACCESSORIES

MARK	DESCRIPTION
10	COMBINATION UTILITY SHELF/MOP AND BROOM HOLDER

OTHER EQUIPMENT

MARK	DESCRIPTION
11	TOILET PARTITIONS, REF. 10 28 00
12	SHOWER COMPARTMENT, REF. 09 30 13.A3
13	LOCKERS BENCH, REF. 10 28 00

NOTE: REFER TO SPECIFICATIONS FOR MODEL NUMBERS



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ELI R.OCHOA, P.E., AIA
TEXAS REGISTRATION NO.
Engineer: 60251
Architect: 18160

CONSULTANTS

No.	Date	Description

PROJECT NO.: 13012
DRAWN BY: YIPG
CHECKED BY: YIPG

PROJECT NAME: HIDALGO COUNTY - PRECINCT 2 NEW VEHICLE MAINTENANCE FACILITY
PROJECT LOCATION: SOUTH "I" ROAD, PHARR, TEXAS 78577
PROJECT OWNER: HIDALGO COUNTY 2812 SOUTH BUSINESS HWY. 281, EDINBURG, TEXAS 78539

SHEET TITLE: ENLARGED FLOOR PLAN AND INT. ELEVATIONS

AE400

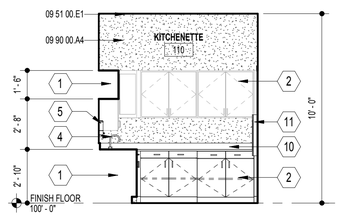
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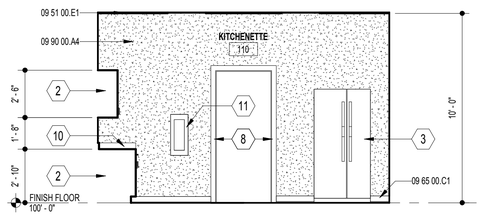
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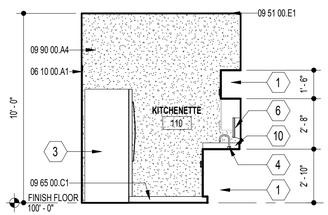
A1 ENLARGED FLOOR PLAN
1/4" = 1'-0"



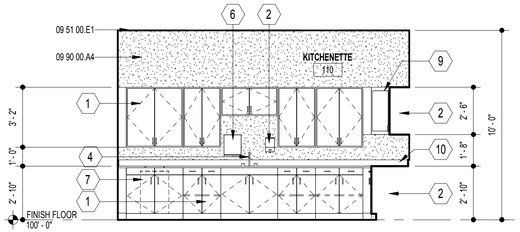
D4 INTERIOR ELEVATION
1/4" = 1'-0"



A4 INTERIOR ELEVATION
1/4" = 1'-0"



A7 INTERIOR ELEVATION
1/4" = 1'-0"



A10 INTERIOR ELEVATION
1/4" = 1'-0"

INTERIOR ELEVATIONS GENERAL NOTES

1. PROVIDE CONTROL JOINTS AS SHOWN AND SPECIFIED.

2. REFER TO SHEET GI003 FOR ALL TOILET ACCESSORIES.

3. REFER TO SHEET AE408 AND AE409 FOR CASEWORK GENERAL NOTES.

4. ALL APPLIANCES, STOVES, OVENS, REFRIGERATORS, DISHWASHERS, ICE MACHINES AND MICROWAVES SHALL BE PROVIDED BY THE OWNER AND INSTALLED BY THE CONTRACTOR.

5. CONTRACTOR SHALL COORDINATE WITH THE M.E.P. DRAWINGS AND SHALL THICKEN WALLS AS REQUIRED TO INSTALL M.E.P. ITEMS. VERIFY WITH THE ARCHITECT THAT THICKENING OF WALLS DOESN'T AFFECT HANDICAPPED ACCESSIBLE REQUIREMENTS.

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9. PAINT ALL HOLLOW METAL FRAMES.

10. PROVIDE EPOXY PAINT ON ALL MASONRY WALLS SCHEDULED TO RECEIVE PAINT.

11. PAINT ALL GYPSUM BOARD SURFACES.

12. REVIEW INTERIOR ELEVATIONS ON SHEETS AE401 THRU AE407 FOR SPECIAL CONDITIONS, COLOR, FLOOR AND WALL PATTERNS.

13. REFER TO REFLECTED CEILING PLANS, SHEETS AE105 AND AE106, FOR SPECIAL CONDITIONS, PATTERNS, CEILING HEIGHT VARIATIONS.

14. ALL EXPOSED WOOD ON ENTIRE PROJECT SHALL BE PREMIUM GRADE "A", PLAIN SLICED, PREMIUM WHITE MAPLE FINISH WITH TRANSPARENT FINISH.

15. PROVIDE FLOOR TRANSITION STRIPS AT ALL DISSIMILAR FLOOR MATERIALS/FINISHES.

CASEWORK SHEET KEYNOTES

1. ADA ACCESSIBLE BASE AND WALL CABINETS.

2. BASE AND WALL CABINETS.

3. REFRIGERATOR, OWNER PROVIDED/CONTRACTOR INSTALLED.

4. SINK AND FAUCET, CONTRACTOR PROVIDED/CONTRACTOR INSTALLED.

5. LIQUID SOAP DISPENSER, CONTRACTOR PROVIDED/CONTRACTOR INSTALLED.

6. PAPER TOWEL DISPENSER, CONTRACTOR PROVIDED/CONTRACTOR INSTALLED.

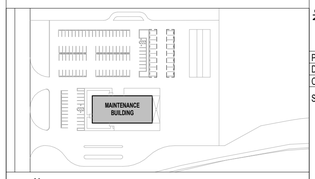
7. TRASH BIN CABINET.

8. CASED OPENING.

9. CORNER CABINET.

10. PLASTIC LAMINATE COUNTERTOP.

11. FIRE EXTINGUISHER CABINET.



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ELI R.OCHOA, P.E., AIA
TEXAS REGISTRATION NO.
Engineer: 60251
Architect: 18160

CONSULTANTS

PROJECT NAME: HIDALGO COUNTY - PRECINCT 2
NEW VEHICLE MAINTENANCE FACILITY

PROJECT LOCATION: SOUTH "I" ROAD, PHARR, TEXAS 78577

PROJECT OWNER: HIDALGO COUNTY
2812 SOUTH BUSINESS HWY. 281, EDINBURG, TEXAS 78539

No.	Date	Description

PROJECT NO.: 13012
DRAWN BY: YIPG
CHECKED BY: YIPG

SHEET TITLE:
ENLARGED FLOOR PLAN AND INT. ELEVATIONS

AE401

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CASEWORK GENERAL NOTES

1. PROVIDE CLEAR SEALED SELECT WHITE MAPLE ON ALL EXPOSED SURFACES AND EDGES OF CASEWORK, ENDS, ETC. UNLESS NOTED OTHERWISE.

2. PROVIDE PLASTIC LAMINATE ON COUNTERTOPS UNLESS OTHERWISE NOTED.

3. ALL PLASTIC LAMINATE COUNTERTOPS TO HAVE PLASTIC LAMINATE ON ALL EXPOSED SURFACES AND EDGES UNLESS NOTED OTHERWISE. PLASTIC LAMINATE COLOR AND PATTERN TO BE SELECTED BY THE ARCHITECT.

4. EXPOSED WALL UNDER COUNTER(S) TO RECEIVE FINISH AS SCHEDULED.

5. ARCHITECT TO SELECT ALL COLORS AND PATTERNS.

6. ALL SHELVES IN CABINETS AND BOOK CASES SHALL BE ADJUSTABLE. UNLESS OTHERWISE NOTED.

7. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATING CASEWORK TO ASSURE PROPER FIT WITH AS-BUILT CONDITIONS.

8. CONTRACTOR TO VERIFY WITH OWNER EXACT SIZE OF ALL EQUIPMENT FURNISHED BY OWNER FOR PROPER FIT WITH CONTRACTOR SUPPLIED CASEWORK.

9. MODIFY CASEWORK AS REQUIRED FOR COLUMN BUMPOUT(S) AND FURRING TO CONCEAL CONDUITS, PIPES, ETC. REF: ARCHITECTURAL, STRUCTURAL, STRUCTURAL AND M.E.P. DRAWINGS FOR POTENTIAL LOCATIONS.

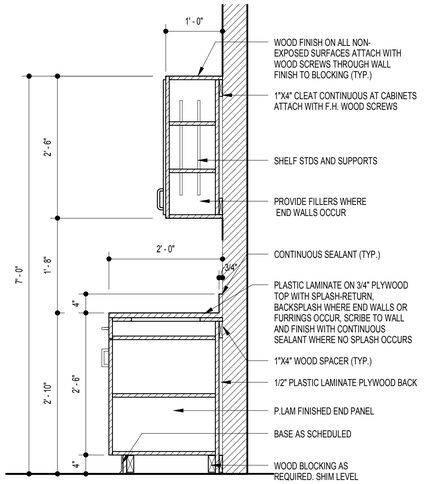
10. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS OF ALL CASEWORK TO BE REVIEWED BY THE ARCHITECT.

11. REFER TO SHEETS GI002 AND GI003 FOR A.D.A. COMPLIANCE, DETAILS, NOTES AND MOUTING HEIGHTS.

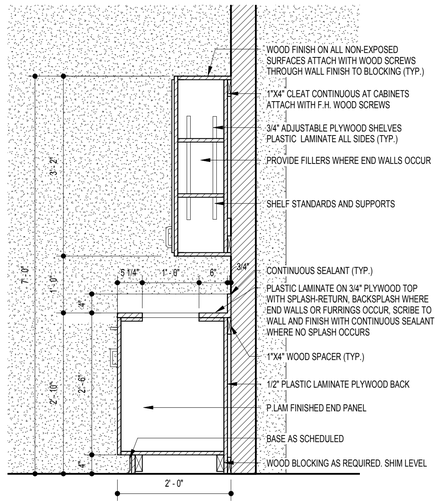
12. PROVIDE LOCKS AT CABINETS AS NOTED OR REFER TO SPECIFICATIONS.

13. PROVIDE ALL PULLS, HINGES, K-V STANDARDS, SLIDES AND MISC. HARDWARE ON ALL CASEWORK. REFER TO SPECIFICATIONS.

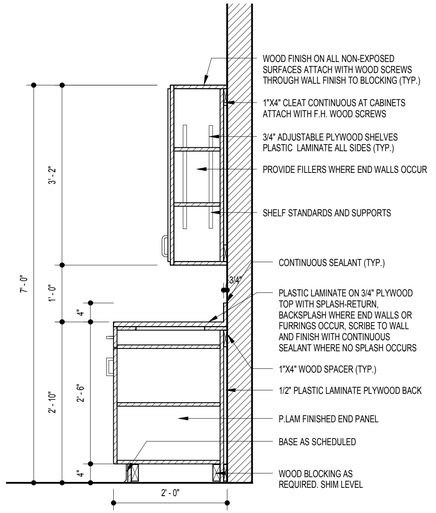
14. PROVIDE TREATED WOOD BLOCKING OR METAL BLOCKING IN WALLS WHERE REQUIRED TO SUPPORT CASEWORK.



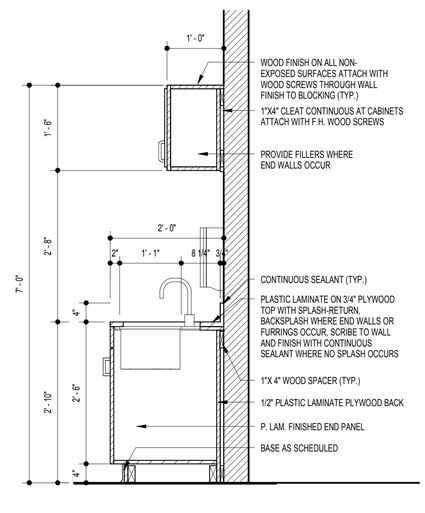
A1 CASEWORK SECTION
3/4" = 1'-0"



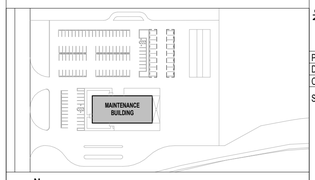
A4 CASEWORK SECTION
3/4" = 1'-0"



A8 CASEWORK SECTION
3/4" = 1'-0"



A11 CASEWORK SECTION
3/4" = 1'-0"



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TEXAS REGISTRATION NO.
Engineer: 60251
Architect: 18160

CONSULTANTS

PROJECT NAME: HIDALGO COUNTY - PRECINCT 2
NEW VEHICLE MAINTENANCE FACILITY

PROJECT LOCATION: SOUTH "I" ROAD, PHARR, TEXAS 78577

PROJECT OWNER: HIDALGO COUNTY
2812 SOUTH BUSINESS HWY. 281, EDINBURG, TEXAS 78539

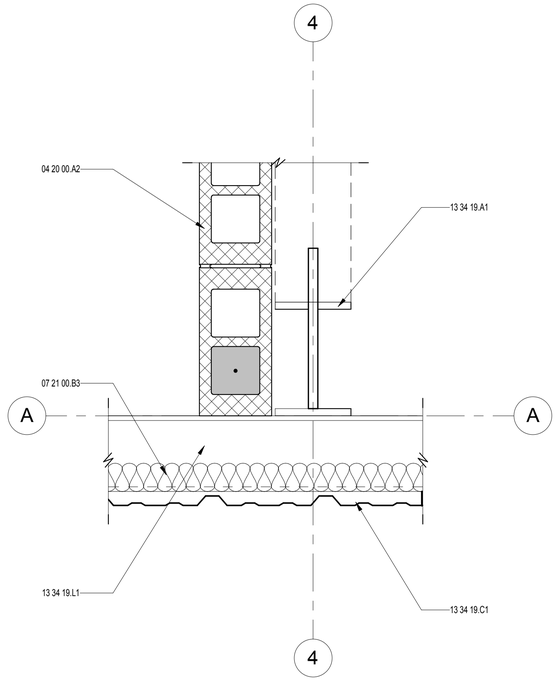
No.	Date	Description

PROJECT NO.: 13012
DRAWN BY: YIPG
CHECKED BY: YIPG

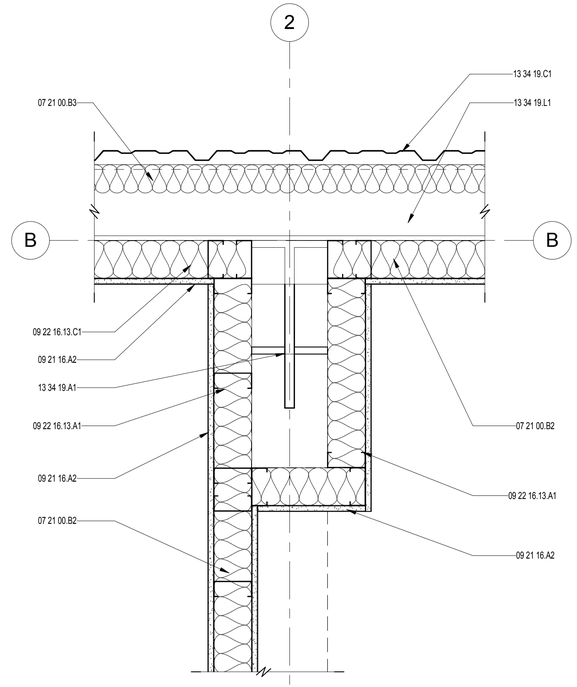
SHEET TITLE: CASEWORK SECTIONS

AE402

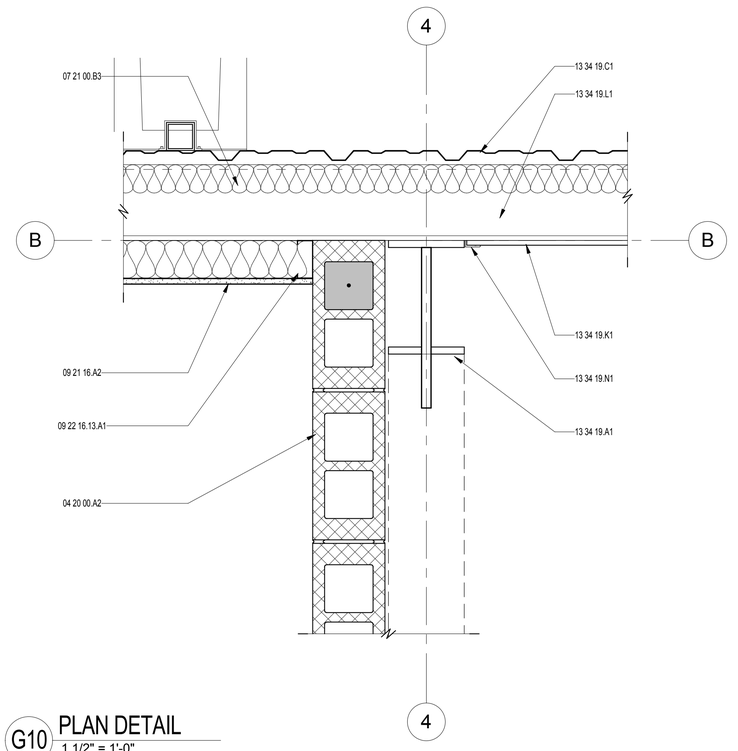
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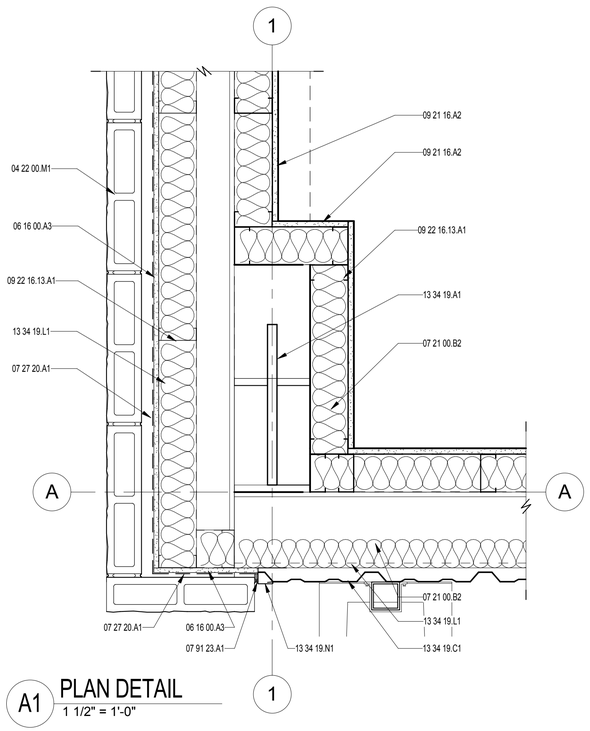
G1 PLAN DETAIL
1 1/2" = 1'-0"



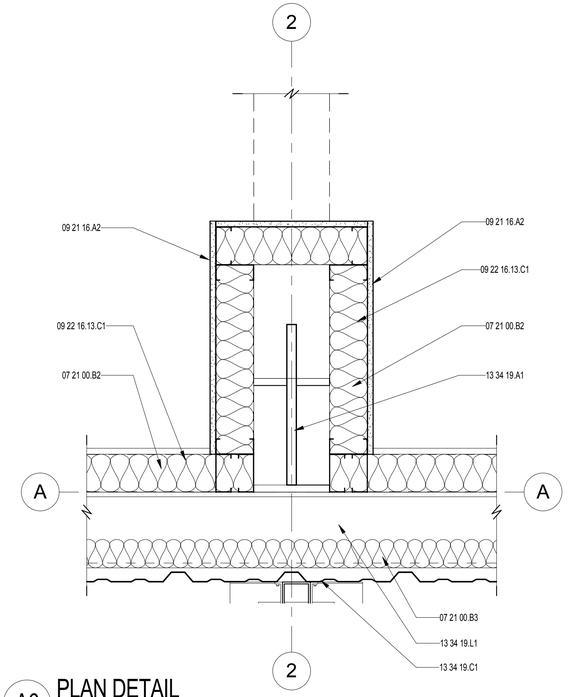
G6 PLAN DETAIL
1 1/2" = 1'-0"



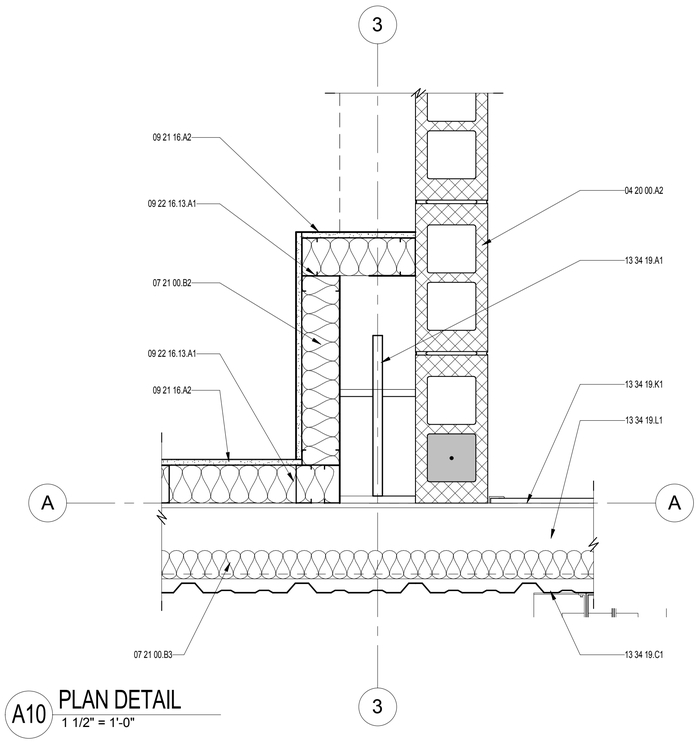
G10 PLAN DETAIL
1 1/2" = 1'-0"



A1 PLAN DETAIL
1 1/2" = 1'-0"



A6 PLAN DETAIL
1 1/2" = 1'-0"



A10 PLAN DETAIL
1 1/2" = 1'-0"

PLAN DETAILS GENERAL NOTES

1. CONTRACTOR SHALL CROSS-REFERENCE STRUCTURAL COMPONENT DIMENSIONS WITH STRUCTURAL DRAWINGS AND NOTIFY ARCHITECT OF DISCREPANCIES PRIOR TO INSTALLATION.

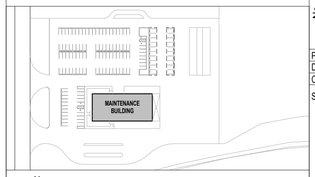
2. REFER TO STRUCTURAL DRAWINGS FOR HORIZONTAL AND VERTICAL REINFORCING AT CMU WALLS.

3. DAMPPROOFING SHALL BE TROWELLED ON APPLICATION.

4. PROVIDE MINIMUM OF 3/8" JOINT WITH BACKER ROD AND SEALANT BETWEEN DISSIMILAR MATERIALS.

KEYNOTE LEGEND

04 20 00.A2	CONCRETE BLOCK, 8" THICK
04 22 00.M1	8" CMU SPLIT FACE WAINSCOT
06 16 00.A3	1/2" GYPSUM SHEATHING
07 21 00.B2	BATT INSULATION, R-19
07 21 00.B3	3" WHITE VINYL FACE BATT INSULATION
07 27 20.A1	FLUID-APPLIED ELASTOMERIC AIR BARRIER MEMBRANE
07 91 23.A1	BACKER RODS
09 21 16.A2	GYPSUM WALLBOARD, 5/8" THICK
09 22 16.13.A1	METAL STUDS, 4", 20GA
09 22 16.13.C1	METAL STUD TRACK
13 34 19.A1	PRE-ENGINEERED METAL BUILDING SYSTEMS. RIGID FRAME STRUCTURE, PTD. REFER TO STRUCTURAL. COLOR AS SELECTED BY ARCHITECT.
13 34 19.C1	PRE-ENGINEERED METAL BUILDING SYSTEMS. PRE-FINISHED STANDING SEAM METAL ROOF. COLOR AS SELECTED BY ARCHITECT.
13 34 19.K1	PRE-ENGINEERED METAL BUILDING SYSTEMS. PRE-FINISHED CANOPY PIPE BRACES. PROVIDE ALL REQUIRED ACCESSORIES PER MANUFACTURER'S STANDARDS. COLOR AS SELECTED BY ARCHITECT.
13 34 19.L1	PRE-ENGINEERED METAL BUILDING SYSTEMS. TRANSLUSCENT ROOF PANEL. PROVIDE ALL REQUIRED TRIMS AND ACCESSORIES PER MANUFACTURER'S STANDARDS. COLOR AS SELECTED BY ARCHITECT.
13 34 19.N1	



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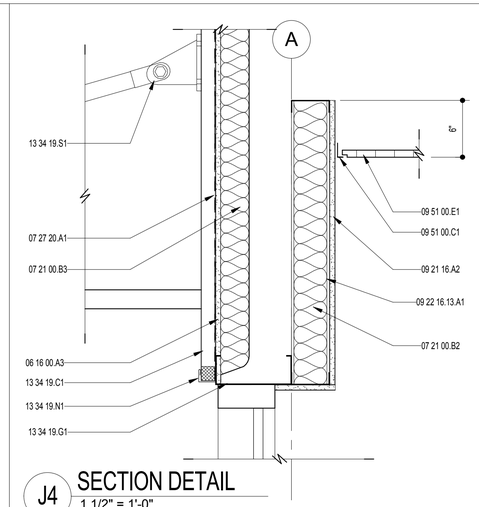
No.	Date	Description

PROJECT NO.: 13012
DRAWN BY: Author
CHECKED BY: Checker

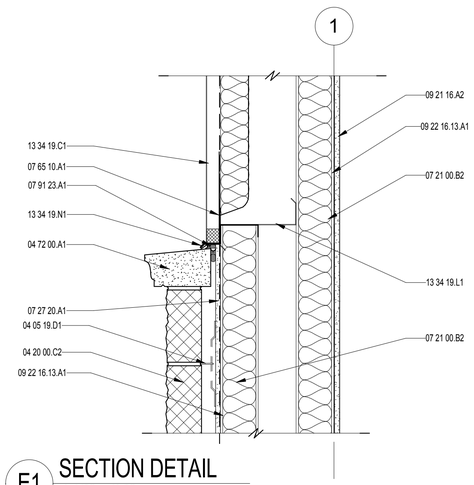
SHEET TITLE:
PLAN DETAILS

AE500

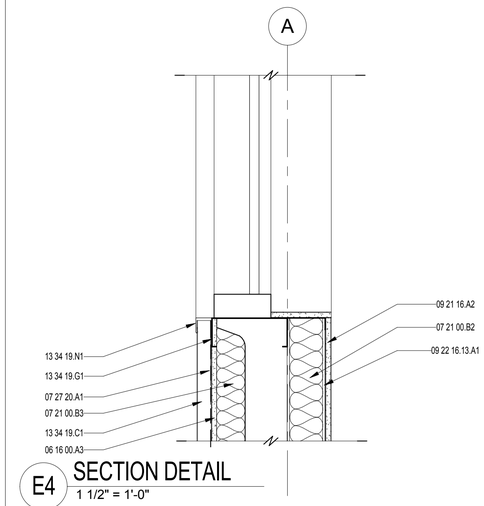
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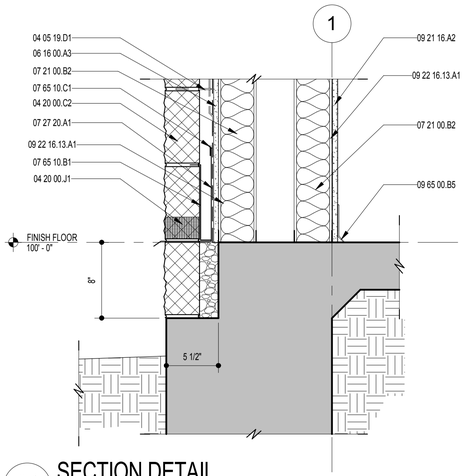
J4 SECTION DETAIL
1 1/2" = 1'-0"



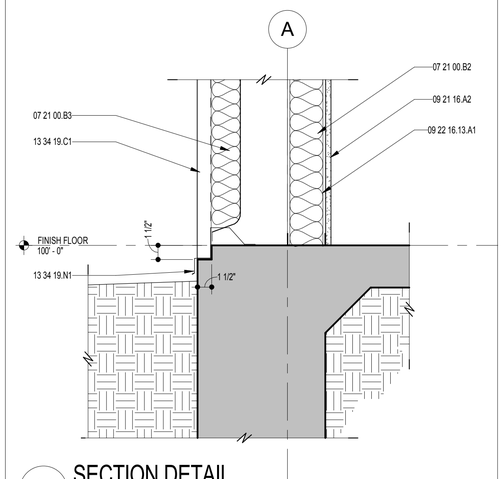
E1 SECTION DETAIL
1 1/2" = 1'-0"



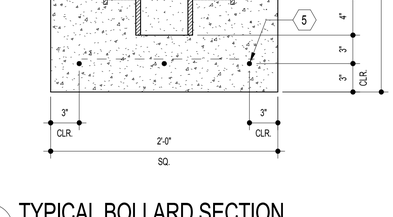
E4 SECTION DETAIL
1 1/2" = 1'-0"



A1 SECTION DETAIL
1 1/2" = 1'-0"



A4 SECTION DETAIL
1 1/2" = 1'-0"



A10 TYPICAL BOLLARD SECTION
1 1/2" = 1'-0"

WALL SECTION GENERAL NOTES

1. CONTRACTOR SHALL CROSS-REFERENCE STRUCTURAL COMPONENT DIMENSIONS WITH STRUCTURAL DRAWINGS AND NOTIFY ARCHITECT OF DISCREPANCIES PRIOR TO INSTALLATION.

2. PROVIDE MASONRY WEEP HOLES AT 32" O.C. MAX.

3. AT PERIMETER JOINT BETWEEN ALUMINUM FRAMES AND DISSIMILAR MATERIALS, PROVIDE MINIMUM OF 3/8" JOINT WITH BACKER ROD AND SEALANT.

4. AT ALL REFERENCES TO ALUMINUM SUB-SILL, PROVIDE ALUMINUM SUB-SILL WITH END DAMS. TURN END DAMS UP A MINIMUM OF 6".

5. ALL EXPOSED METALS (INTERIOR AND EXTERIOR), EXCEPT GALVANIZED AND PRE-FINISHED ITEMS, SHALL BE FINISH PAINTED - COLOR SELECTED BY ARCHITECT.

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7. SEE INTERIOR ELEVATIONS FOR MATERIALS FINISH TRANSITION AT EACH ROOM.

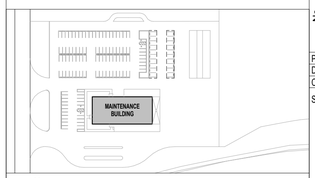
8. DAMPPROOFING SHALL BE TROWELLED ON APPLICATION.

9. REFER TO ROOF PLAN, ROOF DETAILS IN SHEET AE506 FOR TYPICAL ROOF AND FLASHING DETAILS.

10. REFERENCE EXTERIOR ELEVATIONS FOR VENEER FINISH PATTERNS.

KEYNOTE LEGEND

04 05 19.D1	3" HORIZONTALDOVETAIL ANCHOR
04 20 00.C2	4" SPLIT FACE CMU
04 20 00.J1	WEEP/CAVITY VENT
04 72 00.A1	CAST STONE CAP
06 16 00.A3	1/2" GYPSUM SHEATHING
07 21 00.B2	BATT INSULATION, R-19
07 21 00.B3	3" WHITE VINYL FACE BATT INSULATION
07 27 20.A1	FLUID-APPLIED ELASTOMERIC AIR BARRIER MEMBRANE
07 65 10.A1	FLASHING MEMBRANE
07 65 10.B1	MORTAR DEFLECTION
07 65 10.C1	TERMINATION BAR
07 91 23.A1	BACKER RODS
09 21 16.A2	GYPSUM WALLBOARD, 5/8" THICK
09 22 16.13.A1	METAL STUDS, 4", 20GA
09 51 00.C1	9/16" WALL ANGLE
09 51 00.E1	ACOUSTICAL CEILING SYSTEM AS SCHEDULES. REFER TO RCP AND SPECIFICATIONS
09 65 00.B5	4" RESILIENT TOPSET BASE
13 34 19.C1	PRE-ENGINEERED METAL BUILDING SYSTEMS. PRE-FINISHED STANDING SEAM METAL ROOF. COLOR AS SELECTED BY ARCHITECT.
13 34 19.G1	PRE-ENGINEERED METAL BUILDING SYSTEMS. PRE-FINISHED METAL SOFFIT PANELS. COLOR AS SELECTED BY ARCHITECT.
13 34 19.L1	PRE-ENGINEERED METAL BUILDING SYSTEMS. TRANSLUSCENT ROOF PANEL. PROVIDE ALL REQUIRED TRIMS AND ACCESSORIES PER MANUFACTURER'S STANDARDS. COLOR AS SELECTED BY ARCHITECT.
13 34 19.N1	
13 34 19.S1	



KEY PLAN

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300 South 8th Street,
McAllen, Texas 78501
956.661.0400
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ELI R.OCHOA, P.E., AIA
TEXAS REGISTRATION NO.
Engineer: 60251
Architect: 18160

CONSULTANTS

PROJECT NAME: HIDALGO COUNTY - PRECINCT 2
NEW VEHICLE MAINTENANCE FACILITY

PROJECT LOCATION: SOUTH "I" ROAD, PHARR, TEXAS 78577

PROJECT OWNER: HIDALGO COUNTY
2812 SOUTH BUSINESS HWY. 281, EDINBURG, TEXAS 78539

No.	Date	Description

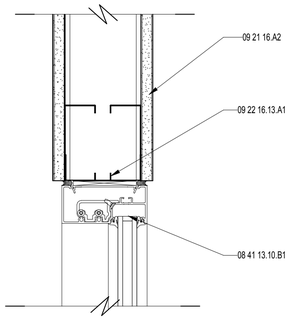
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SHEET TITLE: SECTION DETAILS

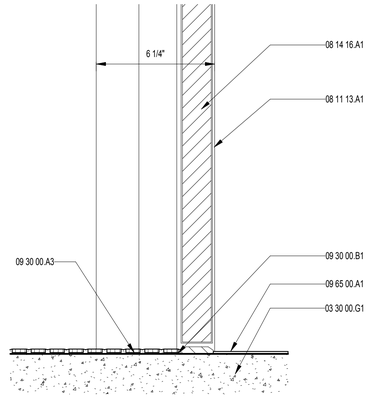
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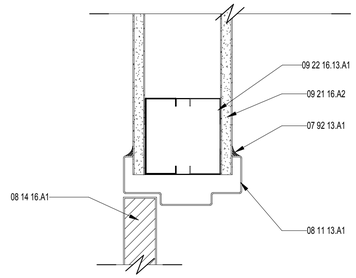
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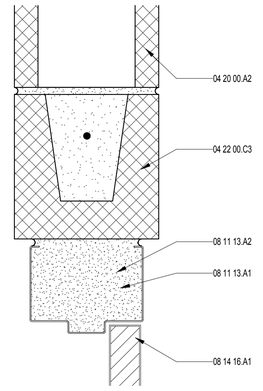
J1 ALUM HEAD DETAIL AT STUD WALL
3" = 1'-0"



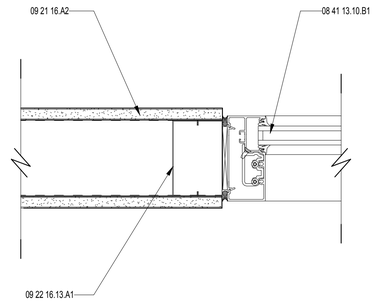
J4 INTERIOR CMT TO VCT THRESHOLD
3" = 1'-0"



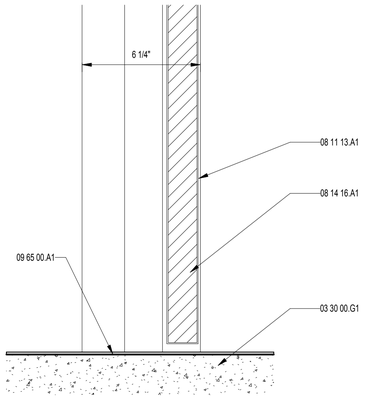
J7 HM DOOR HEAD DETAIL
3" = 1'-0"



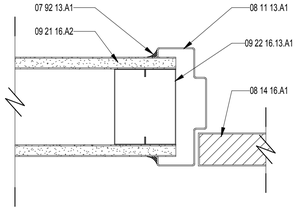
J10 INTERIOR - HM HEAD DETAIL
3" = 1'-0"



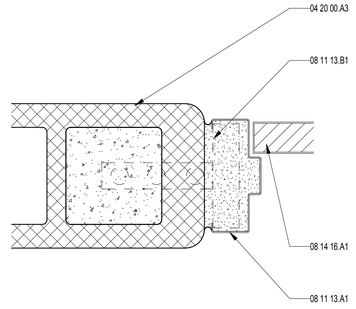
E1 ALUM JAMB DETAIL AT STUD WALLS
3" = 1'-0"



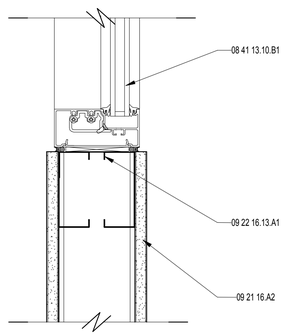
E4 INTERIOR VCT SILL DETAIL
3" = 1'-0"



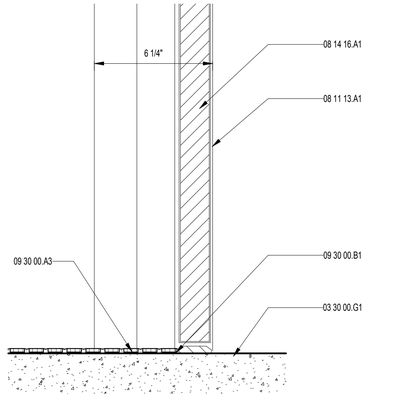
E7 HM DOOR JAMB DETAIL
3" = 1'-0"



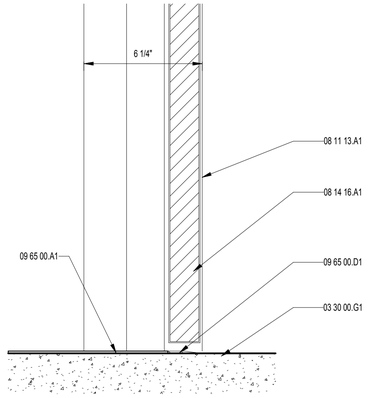
E10 INTERIOR - 2" HM JAMB DETAIL
3" = 1'-0"



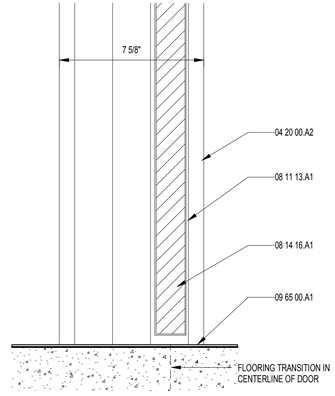
A1 ALUM SILL DETAIL AT STUD WALL
3" = 1'-0"



A4 INTERIOR CMT TO CONCRETE THRESHOLD
3" = 1'-0"



A7 INTERIOR VCT TO CONCRETE THRESHOLD
3" = 1'-0"



A10 INTERIOR - HM SILL DETAIL
3" = 1'-0"

WALL SECTION GENERAL NOTES

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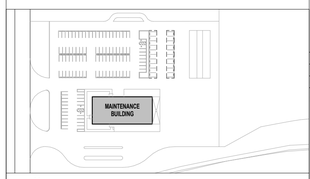
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9. REFER TO ROOF PLAN, ROOF DETAILS IN SHEET AE506 FOR TYPICAL ROOF AND FLASHING DETAILS.

10. REFERENCE EXTERIOR ELEVATIONS FOR VENEER FINISH PATTERNS.

KEYNOTE LEGEND

03 30 00.G1	CAST-IN-PLACE FOUNDATION. REFER TO STRUCTURAL
04 20 00.A2	CONCRETE BLOCK, 8" THICK
04 20 00.A3	CONCRETE BLOCK 8" THICK , BULL NOSE CORNER
04 22 00.C3	SINGLE 8" X 8" BOND BEAM
07 92 13.A1	ELASTOMERIC JOINT SEALANT
08 11 13.A1	HOLLOW METAL DOOR FRAME
08 11 13.A2	GROUT-FILL HOLLOW METAL FRAME
08 11 13.B1	ANCHOR JAMB
08 14 16.A1	PLASTIC-LAMINATE - FACED WOOD DOOR
08 41 13.10.B1	STOREFRONT WINDOW, AS SCHEDULED
09 21 16.A2	GYPSUM WALLBOARD, 5/8" THICK
09 22 16.13.A1	METAL STUDS, 4", 20GA
09 30 00.A3	CERAMIC TILE
09 30 00.B1	MARBLE THRESHOLD
09 65 00.A1	RESILIENT FLOORING
09 65 00.D1	RUBBER TRANSITION STRIP



N
PLAN NORTH

KEY PLAN

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TEXAS REGISTRATION NO.
Engineer: 60251
Architect: 18160

CONSULTANTS

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NEW VEHICLE MAINTENANCE FACILITY

PROJECT LOCATION: SOUTH "I" ROAD, PHARR, TEXAS 78577

PROJECT OWNER: HIDALGO COUNTY
2812 SOUTH BUSINESS HWY. 281, EDINBURG, TEXAS 78539

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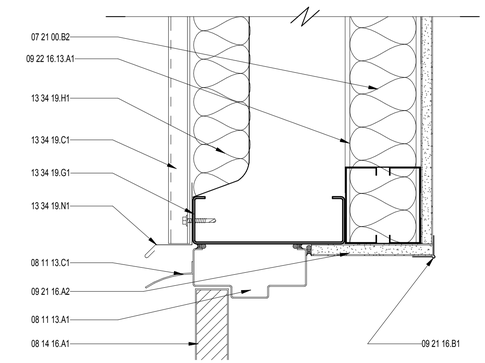
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SHEET TITLE: SECTION DETAILS

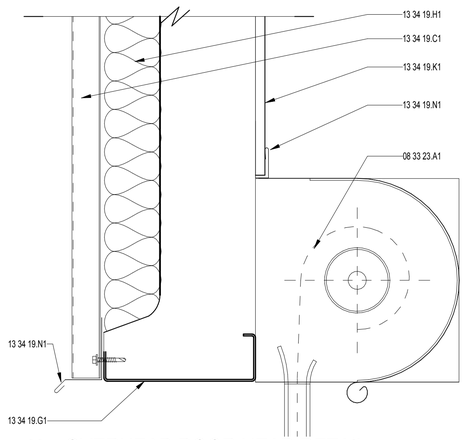
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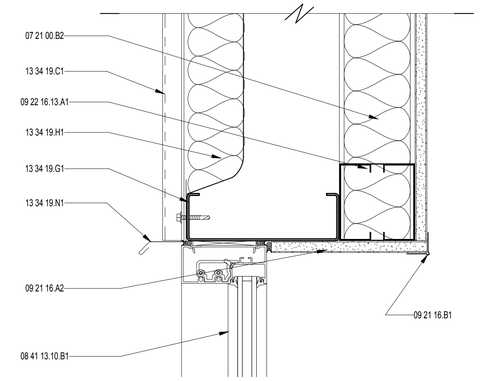
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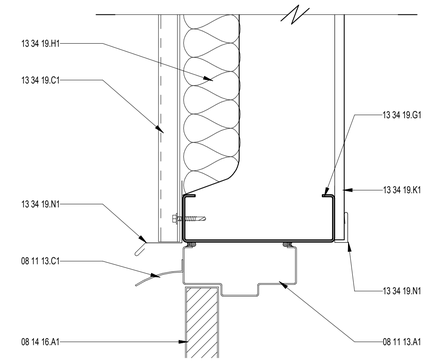
J1 EXT HM DOOR HEAD DETAIL @ MTL SIDING
3" = 1'-0"



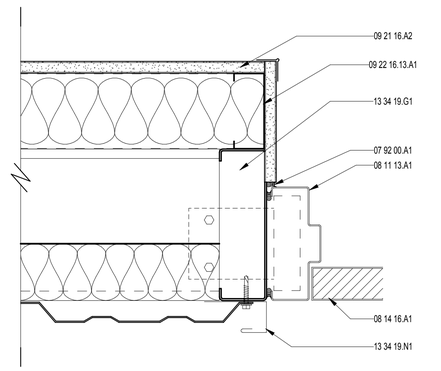
J4 OVERHEAD DOOR HEAD DETAIL
3" = 1'-0"



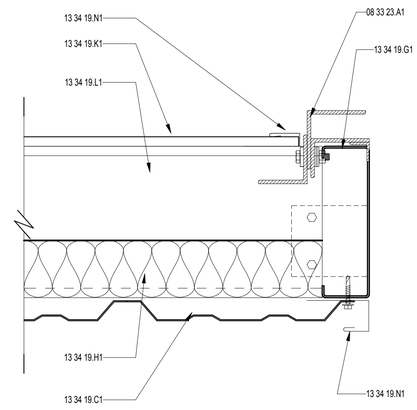
J7 EXT ALUM WINDOW HEAD DETAIL
3" = 1'-0"



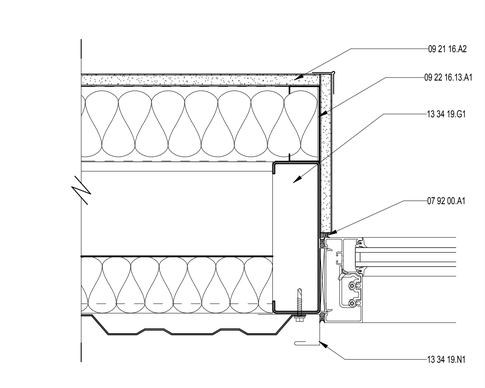
J10 EXT HM DOOR HEAD DETAIL @ MTL SIDING
3" = 1'-0"



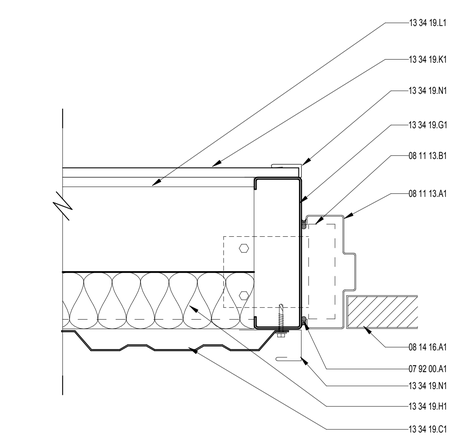
E1 EXT HM DOOR JAMB DETAIL @ MTL SIDING
3" = 1'-0"



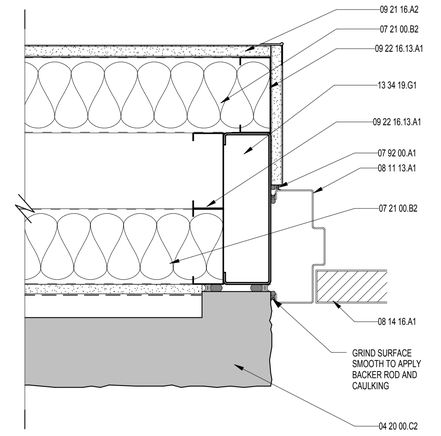
E4 OVERHEAD DOOR JAMB DETAIL
3" = 1'-0"



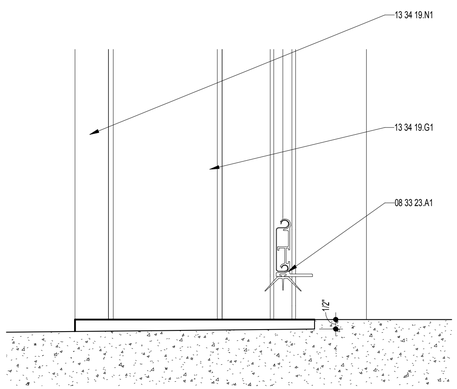
E7 EXT ALUM WINDOW JAMB DETAIL
3" = 1'-0"



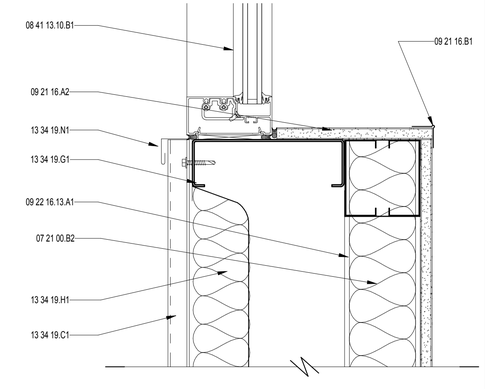
E10 EXT HM DOOR JAMB DETAIL @ MTL SIDING
3" = 1'-0"



A1 EXT HM DOOR JAMB DETAIL @ MTL SIDING
3" = 1'-0"



A4 OVERHEAD DOOR SILL DETAIL
3" = 1'-0"



A7 EXT ALUM WINDOW SILL DETAIL
3" = 1'-0"

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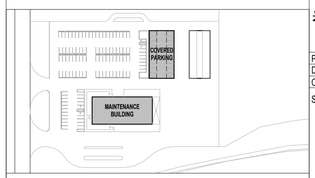
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KEYNOTE LEGEND

04 20 00.C2	4" SPLIT FACE CMU
07 21 00.B2	BATT INSULATION, R-19
07 92 00.A1	SEALANT
08 11 13.A1	HOLLOW METAL DOOR FRAME
08 11 13.B1	ANCHOR JAMB
08 11 13.C1	RAIN DRIP, AS SPECIFIED
08 14 16.A1	PLASTIC-LAMINATE - FACED WOOD DOOR
08 33 23.A1	14' X 14' OVERHEAD COILING DOOR
08 41 13.10.B1	STOREFRONT WINDOW, AS SCHEDULED
09 21 16.A2	GYPSUM WALLBOARD, 5/8" THICK
09 21 16.B1	GYPSUM BOARD ACCESSORIES
09 22 16.13.A1	METAL STUDS, 4", 20GA
13 34 19.C1	PRE-ENGINEERED METAL BUILDING SYSTEMS. PRE-FINISHED STANDING SEAM METAL ROOF. COLOR AS SELECTED BY ARCHITECT.
13 34 19.G1	PRE-ENGINEERED METAL BUILDING SYSTEMS. PRE-FINISHED METAL SOFFIT PANELS. COLOR AS SELECTED BY ARCHITECT.
13 34 19.H1	PRE-ENGINEERED METAL BUILDING SYSTEMS. DOWNSPOUTS DRAINING TO CONCRETE SPLASH BLOCKS.
13 34 19.K1	PRE-ENGINEERED METAL BUILDING SYSTEMS. PRE-FINISHED CANOPY PIPE BRACES. PROVIDE ALL REQUIRED ACCESSORIES PER MANUFACTURER'S STANDARDS. COLOR AS SELECTED BY ARCHITECT.
13 34 19.L1	PRE-ENGINEERED METAL BUILDING SYSTEMS. TRANSLUSCENT ROOF PANEL. PROVIDE ALL REQUIRED TRIMS AND ACCESSORIES PER MANUFACTURER'S STANDARDS. COLOR AS SELECTED BY ARCHITECT.
13 34 19.N1	



N
PLAN NORTH

KEY PLAN

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ELI R.OCHOA, P.E., AIA
TEXAS REGISTRATION NO.
Engineer: 60251
Architect: 18160

CONSULTANTS

No.	Date	Description

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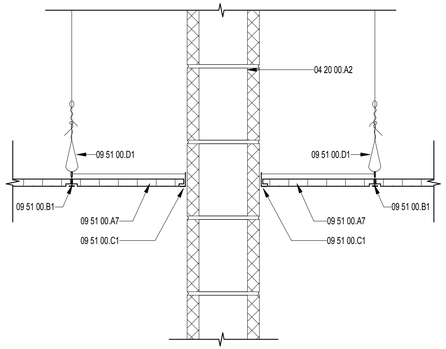
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DRAWN BY: Author
CHECKED BY: Checker

SHEET TITLE: DOOR AND WINDOW DETAILS

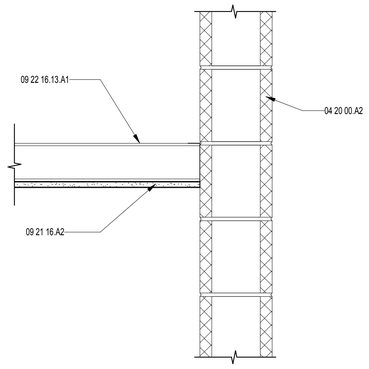
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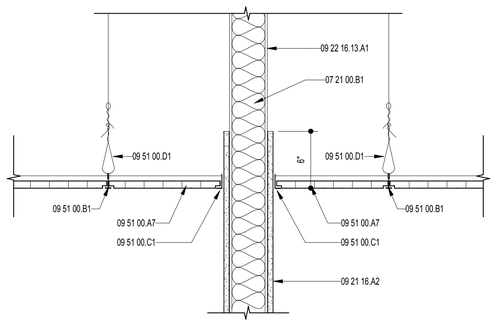
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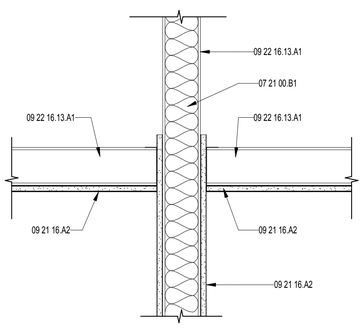
E1 RCP DETAIL
1 1/2" = 1'-0"



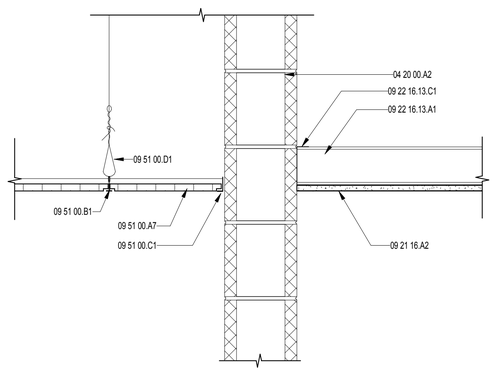
E4 RCP DETAIL
1 1/2" = 1'-0"



A1 RCP DETAIL
1 1/2" = 1'-0"



A4 RCP DETAIL
1 1/2" = 1'-0"



A7 RCP DETAIL
1 1/2" = 1'-0"

RCP GENERAL NOTES

1. ARCHITECTURAL DRAWINGS TAKE PRECEDENCE OVER ENGINEERING DRAWINGS FOR LOCATION OF LIGHT FIXTURES, DIFFUSERS, ETC. SEE M.E.P. DRAWINGS FOR ADDITIONAL INFORMATION AND INSTRUCTIONS.

2. SEE ELECTRICAL DRAWINGS FOR SPECIFIC LIGHT FIXTURE TYPES, EXIT SIGNS, VISUAL ALARMS, ETC.

3. SEE MECHANICAL DRAWINGS FOR SPECIFIC MECHANICAL DIFFUSERS.

4. LIGHTING FIXTURES THAT ARE NOT THE FULL SIZE OF A CEILING PANEL SHALL BE LOCATED IN THE CENTER OF THE CEILING PANEL.

5. REFER TO SHEET AE504 FOR RCP DETAILS. PAINT ALL EXPOSED TO VIEW AREA, INCLUDING STRUCTURAL MEMBERS AND M.E.P. EQUIPMENT.

6. REFER TO INTERIOR AND EXTERIOR ELEVATIONS FOR LIGHT FIXUTRES MOUTING HEIGHT. COORDINATE WITH ELECTRICAL DRAWINGS.

7. COORDINATE ALL CEILING MOUNTED PROJECTOR AND SECURITY CAMERA LOCATIONS WITH LIGHT FIXTURES.

8. TAPE AND FLOAT ALL FIRE RATED GYPSUM BOARD. SEAL ALL PENETRATIONS WITH FIRE CAULK.

9. CEILING GRID TO BE CENTERED IN ROOMS UNLESS OTHERWISE NOTED.

10. DOWNLIGHTS TO BE CENTERED IN CEILING PANELS UNLESS OTHERWISE NOTED.

11. ALL GP. BD. CEILINGS AND SOFFITS ARE 1/2" GP.BD. UNLESS SHOWN OTHERWISE. ALL VERTICAL FACES OF SOFFITS ARE GP.BD. UNLESS SHOWN OTHERWISE.

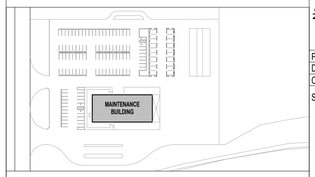
12. ALL EXPOSED GP.BD. TO BE PAINTED UNLESS SHOWN OTHERWISE.

13. COORDINATE ALL MECH. DUCT WORK, PIPING, SPRINKLER LINES, AND CABLE TRAY TO AVOID CONFLICTS WITH LIGHTS AND STRUCTURE.

14. PAINT ALL EXPOSED CONDUITS, JUNCTION BOXES, ELECTRICAL ITEMS (NOT FACTORY FINISHED), SPRINKLER LINES, MECH., DUCTWORK, PIPING UNLESS ROOM FINISH SCHEDULE CALLS FOR EXPOSED CONSTRUCTION.

KEYNOTE LEGEND

04 20 00.A2	CONCRETE BLOCK, 8" THICK
07 21 00.B1	BATT INSULATION, R-13
09 21 16.A2	GYPSUM WALLBOARD, 5/8" THICK
09 22 16.13.A1	METAL STUDS, 4", 20GA
09 22 16.13.C1	METAL STUD TRACK
09 51 00.A7	TEGULAR EDGE (3/4 X 12 X 12)
09 51 00.B1	9/16" TEE
09 51 00.C1	9/16" WALL ANGLE
09 51 00.D1	SUSPENSION WIRE



N
PLAN NORTH

KEY PLAN

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ELI R.OCHOA, P.E., AIA
TEXAS REGISTRATION NO.
Engineer: 60251
Architect: 18160

CONSULTANTS

PROJECT NAME: HIDALGO COUNTY - PRECINCT 2
NEW VEHICLE MAINTENANCE FACILITY

PROJECT LOCATION: SOUTH "I" ROAD, PHARR, TEXAS 78577

PROJECT OWNER: HIDALGO COUNTY
2812 SOUTH BUSINESS HWY. 281 , EDINBURG, TEXAS 78539

No.	Date	Description

PROJECT NO.: 13012
DRAWN BY: ES
CHECKED BY: YIPG

SHEET TITLE:
RCP DETAILS

AE504

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PCT 2 - DOOR & FRAME SCHEDULE

MARK	DOOR					FRAMING					FIRE RATING LABEL	HARDWARE		Comments
	SIZE			ELEVATION TYPE	MATERIAL	MATERIAL	ELEVATION TYPE	HEAD DETAIL	JAMB DETAIL	SILL DETAIL		SET No.	KEYSIDE ROOM No.	
	WIDTH	HEIGHT	THICKNESS											
101A	3' - 0"	7' - 0"	2"	X				J1/AE503	E1 & A1/AE503					
101B	3' - 0"	7' - 0"	2"	X				J7/AE502	E7/AE502	E4/AE502				
102A	3' - 0"	7' - 0"	2"	X				J1/AE503	E1/AE503					
102B	6' - 0"	6' - 6"	2"	S				J7/AE502	E7/AE502	E4/AE502				
102C	3' - 0"	7' - 0"	2"	X				J7/AE502	E7/AE502	E4/AE502				
103	3' - 0"	7' - 0"	2"	X				J7/AE502	E7/AE502	E4/AE502				
104	3' - 0"	7' - 0"	2"	X				J7/AE502	E7/AE502	E4/AE502				
105	3' - 0"	7' - 0"	2"	X				J7/AE502	E7/AE502	E4/AE502				
106	3' - 0"	7' - 0"	2"	X				J7/AE502	E7/AE502	J4/AE502				
107	3' - 0"	7' - 0"	2"	X				J7/AE502	E7/AE502	J4/AE502				
108	3' - 0"	7' - 0"	2"	X				J7/AE502	E7/AE502	J4/AE502				
109A	3' - 0"	7' - 0"	2"	X				J7/AE502	E7/AE502	E4/AE502				
109B	3' - 0"	7' - 0"	2"	X				J7/AE502	E7/AE502	E4/AE502				
111A	3' - 0"	7' - 0"	2"	X				J1/AE503	E1/AE503					
111B	3' - 0"	7' - 0"	2"	X				J7/AE502	E7/AE502	E4/AE502				
113	3' - 0"	7' - 0"	1 3/4"	A	PLAM	H.M.	2	J7/AE502	E7/AE502	A7/AE502		09		REFER TO SPEC 08 11 13.10 (FRAME) AND 08 14 16 (DOOR)
114	3' - 0"	7' - 0"	1 3/4"	A	PLAM	H.M.	2	J7/AE502	E7/AE502	A7/AE502		09		REFER TO SPEC 08 11 13.10 (FRAME) AND 08 14 16 (DOOR)
116A	14' - 0"	14' - 0"	1 3/4"	G	ALUM	H.M.	--	J4/AE503	E4/AE503	A4/AE503		21		REFER TO SPEC 13.34.19
116B	6' - 0"	6' - 6"	2"	S				J10/AE502	E10/AE502	A10/AE502				
117A	14' - 0"	14' - 0"	1 3/4"	G	ALUM	H.M.	--	J4/AE503	E4/AE503	A4/AE503		21		REFER TO SPEC 13.34.19
117B	14' - 0"	14' - 0"	1 3/4"	G	ALUM	H.M.	--	J4/AE503	E4/AE503	A4/AE503		21		REFER TO SPEC 13.34.19
117C	3' - 0"	7' - 0"	2"	X				J10/AE503	E10/AE503					
118A	14' - 0"	14' - 0"	1 3/4"	G	ALUM	H.M.	--	J4/AE503	E4/AE503	A4/AE503		21		REFER TO SPEC 13.34.19
118B	14' - 0"	14' - 0"	1 3/4"	G	ALUM	H.M.	--	J4/AE503	E4/AE503	A4/AE503		21		REFER TO SPEC 13.34.19
119A	14' - 0"	14' - 0"	1 3/4"	G	ALUM	H.M.	--	J4/AE503	E4/AE503	A4/AE503		21		REFER TO SPEC 13.34.19
119B	14' - 0"	14' - 0"	1 3/4"	G	ALUM	H.M.	--	J4/AE503	E4/AE503	A4/AE503		21		REFER TO SPEC 13.34.19
119C	3' - 0"	7' - 0"	2"	X				J10/AE503	E10/AE503					

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TEXAS REGISTRATION NO.
Engineer: 60251
Architect: 18160

CONSULTANTS

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PROJECT OWNER: HIDALGO COUNTY
2812 SOUTH BUSINESS HWY. 281, EDINBURG, TEXAS 78539

No.	Date	Description

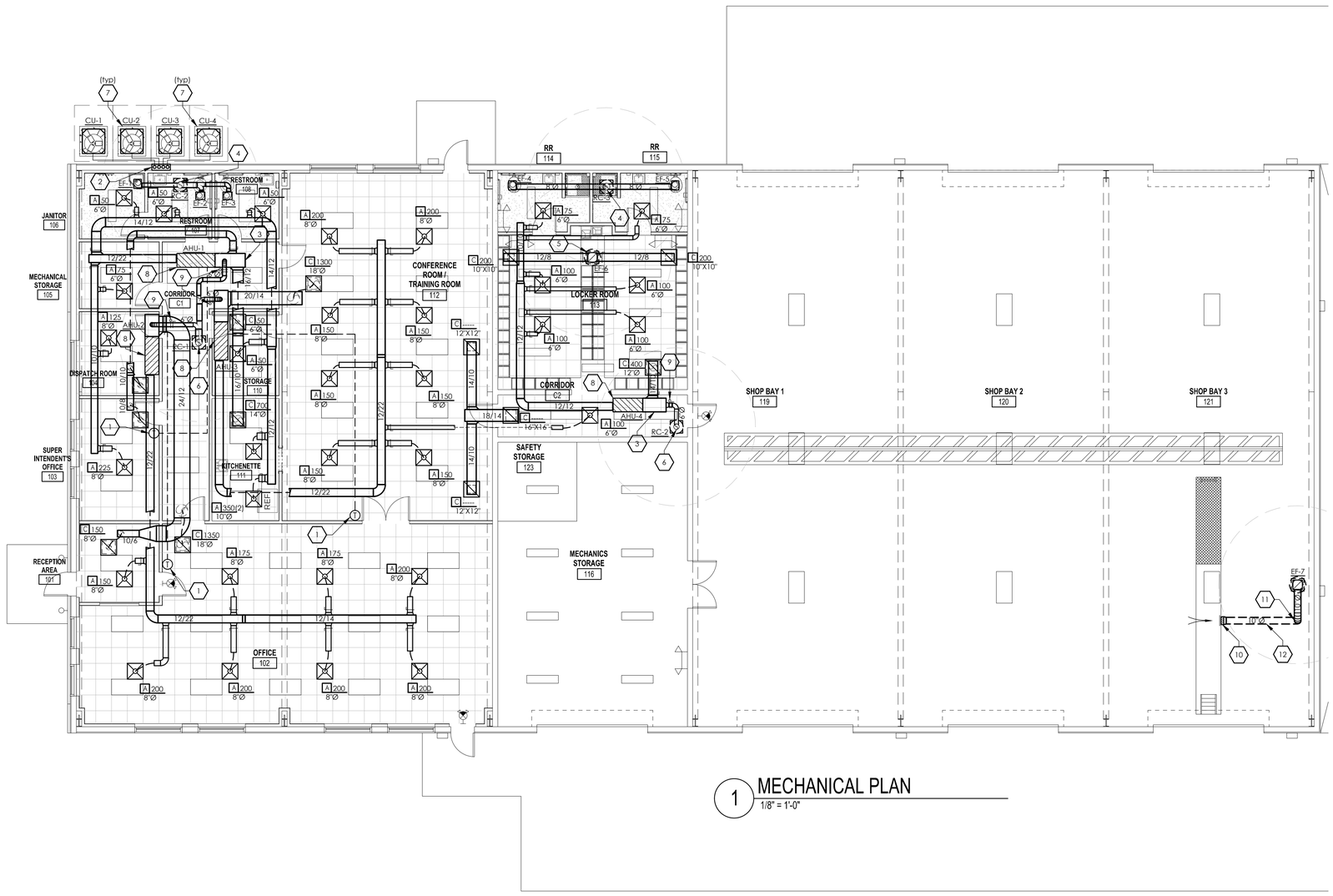
PROJECT NO.: 13012
DRAWN BY: Author
CHECKED BY: Checker

SHEET TITLE:

DOOR AND WINDOW SCHEDULES

AE600

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1 MECHANICAL PLAN
1/8" = 1'-0"

GENERAL NOTE:

(1) ALL RTU'S SUPPLY/RETURN OPENINGS SHALL BE EXTENDED DOWN W/ SAME SIZE OF DUCT AS UNIT SUPPLY/RETURN DUCT OPENING. TRANSITION TO DUCT SHOWN ON PLAN SHALL BE MADE WITH A TRANSITION DUCT PIECE.

(2) ALL RETURN GRILLES SHALL BE PROVIDED W/ A SQUARE TO ROUND TRANSITION. FLEX DUCTWORK SHALL NOT RUN FOR MORE THAN 6 FEET. ALL RETURNS SHALL BE PROVIDED W/ A BALANCING DAMPER. REFERENCE DETAIL.

(3) ALL DUCTWORK CROSSING WALLS SHALL BE PROVIDED W/ SLEEVES. REFERENCE DETAIL.

KEYED NOTES: MECHANICAL

1. CONTROLS FOR A/C UNIT WILL BE BY MEANS OF A 24 VOLT 7-DAY PROGRAMMABLE THERMOSTAT WITH HEAT-OFF-COOL AND FAN ON-AUTO CAPABILITIES SHOWN ON A DIGITAL DISPLAY. MOUNT THERMOSTAT AT 48" ABOVE FINISHED FLOOR. PROVIDE WITH KEYED CLEAR PLASTIC COVER.
2. ROUTE REFRIGERANT LINES UP INSIDE OF WALL AND OVER TO RESPECTIVE AIR HANDLER. ANCHOR LINES TO STRUCTURE AND SEAL ALL PENETRATIONS WATER TIGHT. PROVIDE SHEET METAL HOOD OVER REFRIGERANT LINES. REFERENCE DETAIL XX ON PAGE X.XX FOR WALL PENETRATION DETAIL.
3. RETURN AIR DUCT TO BE SIZED ACCORDING TO RESPECTIVE AIR OPENING.
4. ROUND EXHAUST UP TO ROOF CAP.
5. 14"x14" EXHAUST DUCT UP TO ROOF MOUNTED EXHAUST FAN.
6. ROUND DUCT FOR OUTSIDE AIR TO BE ROUTED DOWN INTO WOODEN PLENUM.
7. PLACE CONDENSING UNIT ON 4" CONCRETE PAD.
8. HANG AIR HANDLER FROM STRUCTURE AND PROVIDE W/ VIBRATION ISOLATION. PROVIDE TWO 4"x4" TREATED WOOD TIMBERS INSIDE AN AUXILIARY DRAIN PAN ON WHICH TO MOUNT AIR HANDLING UNIT. REFER TO PLUMBING PAGES FOR CONDENSATE ROUTING. REFER TO IMC 307.2.3 FOR AUXILIARY DRAIN PAN SIZING (OR JURISDICTION HAVING AUTHORITY)
9. PROVIDE W/ MOTORIZED DAMPER W/ OPEN/CLOSE OPERATION. DAMPER TO BE ACTUATED TO MAX ONLY WHEN COMPRESSOR OR HEATER IS ENERGIZED & ACTUATED TO THE CLOSED POSITION @ ALL OTHER TIMES. PROVIDE W/ ADDITIONAL MANUAL BALANCING DAMPER TO BALANCE CFM AMOUNTS OF OUTSIDE AIR.
10. BOTTOM OF DUCT INLET TO BE @ 4" A.F.F. PROVIDE W/ 3/8"X3/8" EXPANDED WIRE MESH OVER OPENING.
11. RISE DUCT TIGHT TO STRUCTURE UP TO 12" BELOW ROOF; ROUTE TO FAN.
12. UNDERGROUND 10"Ø SCHEDULE 40 PVC PIPE. TRANSITION TO GALVANIZED SHEET METAL 6" A.F.F.

"THESE DRAWINGS ARE INTENDED FOR INTERIM REVIEW ONLY UNDER THE AUTHORITY OF LEONARDO MUNOZ, P.E. NUMBER 97437, ON 10/15/2013. IT IS NOT TO BE USED FOR CONSTRUCTION PURPOSES."

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Texas Registered Engineering Firm - F10082
Project number:13.2.39

PROJECT NAME
HIDALGO COUNTY – PRECINCT 2
NEW VEHICLE MAINTENANCE FACILITY

PROJECT LOCATION
SOUTH "I" ROAD
PHARR, TEXAS 78577

PROJECT OWNER
HIDALGO COUNTY
2812 SOUTH 2ND, EDINBURG, TEXAS 78539

MARK	DATE	DESCRIPTION
--	--	-- CONSTRUCTION DOCUMENTS
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PROJECT NO: 13012
CAD DWG FILE: 13.2.39
DRAWN BY: TRINITY CAD
CHECKED BY: L.M.

SHEET TITLE
MECHANICAL PLAN

M101

GENERAL NOTES - MECHANICAL:

(1) THE MECHANICAL CONTRACTOR IS FULLY RESPONSIBLE FOR PERFORMING THE WORK IN FULL COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL CODES UNDER THIS SECTION OF THE CONTRACT. IF THE CONTRACTOR DETERMINES THAT THE CONTRACT DOCUMENTS AND PLANS ARE NOT IN COMPLIANCE WITH THE APPLICABLE LOCAL CODES, HE/SHE SHALL INFORM THE ARCHITECT PRIOR TO CONSTRUCTION START FOR DIRECTION. FAILURE TO DO SO SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO MEET APPLICABLE LOCAL CODES, AND RE-WORK SHALL BE AT CONTRACTOR'S EXPENSE.

(2) CONTRACTOR SHALL HANG AND INSTALL ALL DUCTWORK FLUSH WITH THE BUILDING STRUCTURE TO ACCOMMODATE NEW CEILINGS. CONTRACTOR SHALL COORDINATE ALL INSTALLATION WORK WITH ARCHITECTURAL AND ELECTRICAL DESIGN. ALL DUCTWORK SHALL BE MODIFIED AS NECESSARY AND REQUIRED TO FIT AROUND BUILDING STRUCTURES, ARCHITECTURAL BUILD-OUT AND ELECTRICAL CABLE TRAY INSTALLATIONS. MECHANICAL CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE WORK SCOPE OF OTHER TRADES AND PARTICIPATE IN COORDINATING ALL CONSTRUCTION EFFORTS.

(3) CONNECT EACH DIFFUSER TO THE MAIN DISTRIBUTION DUCTS WITH A FLEX-DUCT SECTION; CONNECTIONS SHALL BE COMPLETED IN ACCORDANCE WITH THE DETAIL. EACH FLEX-DUCT CONNECTION SHALL INCLUDE A BUTTERFLY DAMPER TO BE INSTALLED AT THE TRUNK DUCT.

(4) CONTRACTOR SHALL PROVIDE ALL DUCTWORK REQUIRED TO COMPLETE THE HVAC SYSTEM. TIE IN BRANCH DUCTS TO MAIN DUCTS WITH SHEET METAL FLANGES. FLANGE CONNECTION SHALL BE FASTENED WITH CRIMPED SHEET METAL STRIPS AND SEALED WITH SILICONE CAULK.

(5) CONTRACTOR SHALL SUPPLY AND INSTALL FIRE DAMPERS AND ACCESS DOORS IN THE HORIZONTAL DUCTS WHERE THEY PENETRATE FIRE WALLS & BARRIERS.

(6) ALL OPENINGS CUT IN MASONRY AND PLASTER WALLS OR CONCRETE FLOORS SHALL BE CORE DRILLED OR SAWED WHEN POSSIBLE. CONTRACTOR SHALL CHECK BUILDING CONSTRUCTION BEFORE MAKING PENETRATIONS TO AVOID CUTTING THROUGH STRUCTURAL BEAMS AND REINFORCING. CONTRACTOR SHALL INFORM THE ENGINEER IF REINFORCING IS CUT OR DAMAGED WHILE MAKING OPENINGS. CONTRACTOR SHALL REINFORCE ALL OPENINGS AS REQUIRED BY DRAWINGS AND SPECIFICATIONS. PATCH AND SEAL OPENINGS WITH 8000 PSI CEMENT GROUT. INSTALL DECORATIVE TRIM (EQUIPMENT FLANGES, FRAMING OR ESCUTCHEONS) AROUND OPENINGS IN FINISHED AREAS. COORDINATE ALL CUTTING AND PATCHING WITH THE OTHER TRADES

(7) ON ANY WORK SHOWN ON MECHANICAL DRAWINGS REQUIRING DEMOLITION OF EXISTING OR NEW BUILDING STRUCTURES AND FINISHES, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COMPLETE THE NECESSARY DEMOLITION. CONTRACTOR SHALL PATCH AND REPAIR ALL DEMOLITION WORK. PATCHING SHALL BE COMPLETED WITH THE SAME MATERIALS AS THE SURROUNDING AREAS, OR WITH ARCHITECT-APPROVED PATCHING MATERIALS. REPAIRS SHALL BE COMPLETED ACCORDING TO ARCHITECTURAL SPECIFICATIONS. ALL REFINISHING SHALL BE APPROVED BY THE ARCHITECT.

(8) CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETING THE INSTALLATION OF THE AIR DISTRIBUTION SYSTEM SHOWN. DUCTWORK, DUCT ACCESSORIES AND CONTROLS SHOWN AND REQUIRED SHALL BE SUPPLIED AND INSTALLED. ALL INSTALLATION WORK SHALL BE DONE IN ACCORDANCE WITH APPLICABLE CODES, INCLUDING NFFA 90A AND 90B.(NFPA 90a: Standard for the Installation of Air-Conditioning and Ventilating Systems)(NFPA 90B: Standard for the Installation of Warm Air HeatING AND AIR-CONDITIONING SYSTEMS)

(9) CONTRACTOR SHALL BALANCE ALL AIR DISTRIBUTION SYSTEMS TO ACHIEVE THE AIR VOLUME REQUIREMENTS INDICATED. BALANCING SHALL INCLUDE ADJUSTMENT OF ALL MANUAL VOLUME DAMPERS, SPUTTER DAMPERS, ZONE DAMPERS (IF REQUIRED), BUTTERFLY DAMPERS AND INDIVIDUAL DIFFUSER VOLUME DAMPERS (FINAL BALANCING ONLY). CONTRACTOR SHALL SUPPLY THE ENGINEER WITH A COMPLETE BALANCING REPORT WHICH INCLUDES, VOLUME, ROOM REFERENCE AND ZONE VOLUME TOTALS.

(10) MOUNT ALL THERMOSTATS (SENSORS) 48" ABOVE THE FINISHED FLOOR LEVEL. THERMOSTATS SHOWN SHALL BE IN CONTROL OF THE ZONE SYSTEM WHICH IS SUPPLYING AIR TO THE AREA WHERE THE THERMOSTAT IS LOCATED. CONTRACTOR SHALL SUPPLY AND INSTALL ALL CONTROL VOLTAGE WIRING AND CONDUIT FOR THERMOSTAT (DDC CONTROL) INSTALLATION.

(11) CONTRACTOR SHALL INSTALL NEW REFRIGERANT PIPING FLUSH WITH THE BUILDING STRUCTURE AND MECHANICAL ROOM BOUNDARIES AS SHOWN. CONTRACTOR SHALL COORDINATE ALL INSTALLATION WORK WITH DUCTS AND ELECTRICAL CONDUIT. MECHANICAL CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE WORK SCOPE OF OTHER TRADES AND PARTICIPATE IN COORDINATING ALL CONSTRUCTION EFFORTS.

(12) ALL PIPING SHALL BE INSULATED AND JACKETED. REFER TO THE SPECIFICATIONS. THE CONDENSING AND ROOF TOP CONDENSER COILS ARE TO BE COATED IN ACCORDANCE WITH THE SPECIFICATIONS.

(13) PROVIDE SMOKE DETECTOR AND SHUTDOWN CONTROLS ON AIR HANDLERS AND SUPPLY FANS. SMOKE DETECTORS SHALL BE PROVIDED BY DIVISION 16 AND INSTALLED BY DIVISION 15. COORDINATE TO PROVIDE A COMPLETE SYSTEM. PROVIDE BOTH SUPPLY AND RETURN SIDE DEVICES.

(14) PROVIDE SEVEN DAY PROGRAMMABLE THERMOSTAT, 24 HOUR SINGLE/MULTI STAGE COMMERCIAL THERMOSTAT. DUAL SET POINTS, OCCUPIED AND UNOCCUPIED PERIODS, UNIT OPTIMIZATION, AUTO HEATING/COOLING AND AUTO CHANGE OVER. SUB-BASE BACK-UP BATTERY AND TEMPORARY OVER-RIDE. 24 VAC CONTROL VOLTAGE. PROVIDE PLASTIC SEE THRU PROTECTIVE COVER WITH KEY LOCK.

MECHANICAL SYMBOL LEGEND

TAG — A 325(2) — CFM, QUANTITY; NECK SIZE — 10 Ø(D) — OPPOSED BLACE DAMPER	
CONICAL DUCT SPIN TAP — FLEXIBLE DUCT; ROUND SHEET-METAL DUCT; BALANCING DAMPER	
8/ M107 — DETAIL NUMBER; SHEET NUMBER	
PERFORATED INNER METAL LINER, WHERE INDICATED (DOUBLE WALL); HIDDEN DUCT (FOR CLARITY)	
SUPPLY AIR GRILLE; SUPPLY AIR GRILLE-SLOT DIFFUSER	
RETURN AIR GRILLE ALL RETURN AIR DUCT DROPS TO INCLUDE A MANUAL DAMPER	
T — THERMOSTAT S — TEMPERATURE SENSOR O — TEMPERATURE OVERRIDE SENSOR/SWITCH	
FD — FIRE DAMPER FSD — FIRE/SMOKE DAMPER	
FLOW DIRECTION	
PIPE DROP	
PIPE RISE	
RETURN AIR DUCT RISE/DROP	
SUPPLY AIR DUCT RISE/DROP	
WALL OR FLOOR SLEEVE	
CHWS — CHWR — CHILLED WATER SUPPLY/RETURN PIPING	
SQUARE — ROUND — SQUARE TO ROUND DUCT TRANSITION	

MECHANICAL ABBREVIATIONS

A/C	AIR CONDITIONED
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
BDD	BACK DRAFT DAMPER
BHP	BRAKE HORSEPOWER
BTU	BRITISH THERMAL UNIT
CFM	CUBIC FEET PER MINUTE
CH	CHILLER
CHP	CHILLED WATER PUMP
CLG	CEILING
CWP	CONDENSER WATER PUMP
CO	CLEANOUT
CT	COOLING TOWER
CU	CONDENSING UNIT
CW	COLD WATER
CL	CENTER LINE
DB	DRY BULB
DIA	DIAMETER
DN	DOWN
DWG	DRAWING
DX	DIRECT EXPANSION
EAT	ENTERING AIR TEMPERATURE
EDH	ELECTRIC DUCT HEATER
EF	EXHAUST FAN
ELEC	ELECTRICAL
ELEV	ELEVATION
F	DEGREES FAHRENHEIT
FC	FAN COIL
FD	FIRE DAMPER
FLEX	FLEXIBLE
FLG	FLANGE
FLR	FLOOR
FPM	FEET PER MINUTE
FT	FEET, FOOT
FS	FLOW SWITCH
GAL	GALLON
GALV	GALVANIZED
GPM	GALLONS PER MINUTE
HB	HOSE BIBB
HP	HORSEPOWER
HR	HEAT PUMP (WATER SOURCE)
HR	HOUR
HVAC	HEATING/VENTILATING/ AIR CONDITIONING
HWP	HOT WATER PUMP
HZ	HERTZ
ID	INSIDE DIAMETER
IE	INVERT ELEVATION (FLOW LINE)
IN	INCHES
INSUL	INSULATION
IN WG	INCHES OF WATER
KW	KILOWATT(S)
LAT	LEAVING AIR TEMPERATURE
LB	POUND
L	LOUVER
MAX	MAXIMUM
MBD	MANUAL BALANCING DAMPER
MD	MOTORIZED DAMPER
MECH	MECHANICAL
MIN	MINIMUM
MS	MOTOR STARTER
NA	NOT APPLICABLE
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OAH	OUTSIDE AIR INTAKE HOOD
OBD	OPPOSED BLADE DAMPER
OC	ON CENTER
P	PUMP
PBD	PARALLEL BLADE DAMPER
PP	PRIMARY CHILLED WATER PUMP
PRESS	PRESSURE
PRV	PRESSURE REDUCING VALVE
PSIG	POUNDS PER SQUARE INCH (GAUGE)
R	RETURN (AIR DEVICE)
RA	RETURN AIR
RE: 4M7.01	REFER TO DETAIL 4, SHEET M7.01
RET	RETURN
RH	RELATIVE HUMIDITY
RHD	RELIEF HOOD
RPM	REVOLUTIONS PER MINUTE
RTU	ROOF TOP UNIT
S	SUPPLY (AIR DEVICE)
SA	SUPPLY AIR
SCH	SCHEDULE
SCHP	SECONDARY CHILLED WATER PUMP
SD	SMOKE DAMPER
SEC	SECOND
SF	SUPPLY FAN
SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION
SP	STATIC PRESSURE
SPEC	SPECIFICATION
SF	SQUARE FOOT
STD	STANDARD
TEMP	TEMPERATURE
TSTAT	THERMOSTAT
TYP	TYPICAL
UF	UNDER FLOOR
UH	UNIT HEATER
UL	UNDERWRITERS LABORATORIES
VEL	VELOCITY
VENT	VENTILATE
VF	VENTILATION FAN
VOL	VOLUME
VOLT	VOLTAGE
W	WIDE, WIDTH
W/	WITH
WB	WET BULB
W/O	WITHOUT

H.V.A.C. SYSTEM — SECTION 15500

THE WORK INCLUDES PROVIDING THE HVAC SYSTEMS, INCLUDING DUCTWORK, DIFFUSERS AND GRILLES, INSULATION, CONTROLS, AND ALL OTHER EQUIPMENT NECESSARY FOR A COMPLETE FUNCTIONING SYSTEM. HVAC SYSTEM SHALL INCLUDE BUT IS NOT LIMITED TO THE FOLLOWING:

- HEATING, VENTILATION, AND AIR CONDITIONING (HVAC) UNITS.
- SUPPLY AND RETURN DUCTWORK SYSTEMS WITH GRILLES, DIFFUSERS, FILTERS, AND DAMPERS.
- TEMPERATURE CONTROL SYSTEM INCLUDING LOW VOLTAGE WIRING AND CONDUIT.
- DUCT, PIPING, AND EQUIPMENT INSULATION, WHERE INDICATED HEREIN.
- CONTROLS AND WIRING FOR CONNECTION TO LANDLORD'S FIRE-SMOKE ALARM SYSTEM (WHERE APPLICABLE).

THE CONTRACTOR SHALL COORDINATE ALL NEW DUCTWORK INCLUDING DUCTWORK INSULATION AND REINFORCING WITH EXISTING DUCTWORK AND DUCTWORK ANGLE BRACING SUCH THAT THE NEW DUCTWORK WILL FIT WITHIN THE SPACE LIMITATIONS OF THE PROJECT.

CONDENSATE PIPING: CONDENSATE PIPING SHALL BE A MINIMUM OF 3/4" COPPER TYPE "L" PIPE. ALL CONDENSATE DRAINS SHALL BE INSULATED WITH 1/2" THICK CLOSED CELL INSULATION SIMILAR TO ARMAFLEX 2000.

THE DESIGN, SELECTION, SPACING AND APPLICATION OF HORIZONTAL PIPE HANGERS, SUPPORTS, RESTRAINTS, ANCHORS AND GUIDES SHALL BE IN ACCORDANCE WITH THE STANDARD CODE FOR PRESSURE PIPING ANSI B31.1 AND THE LATEST EDITION OF THE MANUFACTURERS' STANDARDIZATION SOCIETY STANDARDS MSS SP- 69, "PIPE HANGERS AND SUPPORTS--SELECTION AND APPLICATION".

PROVIDE PIPE COVERING PROTECTION SHIELDS AND SADDLES FOR ALL INSULATED PIPING AT THE LOCATIONS OF ALL SUPPORTS. THE PROTECTION SHIELD LENGTH AND GAUGE THICKNESS FOR USE AT EACH CLEVIS HANGER SHALL BE AS SPECIFIED FOR TYPE 40 PROTECTION SHIELDS IN THE CURRENT EDITION OF MSS SP-69. PROTECTION SHIELDS SHALL BE GALVANIZED AND SHALL BE ARRANGED TO COVER ONE-HALF OF THE CIRCUMFERENCE OF THE INSULATION AND SHALL BE MOUNTED ON THE OUTSIDE OF THE INSULATION WITH INSULATION BLOCKING BETWEEN THE PIPE AND SADDLE TO PREVENT CRUSHING OF THE INSULATION. INSULATION BLOCKING SHALL BE UP.JOHN 2 POUND HIGH DENSITY MOLDED URETHANE OR SEGMENTED MACHINERY CORK DIPPED IN HOT ASPHALT VAPOR SEAL OF NOT LESS THAN THE SAME LENGTH AND CIRCUMFERENCE AS THE PIPE PROTECTION SHIELD.

ALL HANGERS, HARDWARE, RODS, CLAMPS, CHANNELS, BASE PLATES, ANGLES, BOLTS, NUTS AND OTHER FACTORY-BUILT OR SHOP FABRICATED PIPE SUPPORT DEVICES SHALL BE GALVANIZED OR CADMIUM PLATED UNLESS NOTED OTHERWISE ON THE DRAWINGS. ALL SHOP FABRICATED AND WELDED STEEL SUPPORTS SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION.

ALL CONCRETE INSERTS FOR HANGER RODS SHALL BE NATIONAL PIPE HANGERS CORPORATION FIGURE 606 WITH FIGURE 607, OR GRINNELL FIGURE 282, FIGURE 152, OR APPROVED EQUAL. METAL DECK CONCRETE INSERT SHALL BE F & S MANUFACTURING CORPORATION FIGURE 282, GALVANIZED FABRICATED STEEL METAL DECK CEILING BOLT, PHILLIPS RED HEAD, OR APPROVED EQUAL. HANGER RODS, INSERTS, ETC., SHALL BE SIZED AND INSTALLED AS RECOMMENDED BY THE HANGER MANUFACTURER FOR THE SERVICE INTENDED.

FIELD VERIFY THE EXACT SIZES AND LOCATIONS OF ALL EXISTING DUCTWORK AND PIPING PRIOR TO DEMOLITION OF ANY EXISTING WORK. THE DEMOLITION WORK SHALL BE COORDINATED WITH THE NEW WORK TO ASSURE PROPER LIMITS OF DEMOLITION.

WARRANTY: PROVIDE LABOR AND MATERIALS TO REPAIR OR REPLACE DEFECTIVE PARTS AND MATERIALS AS REQUIRED FOR ONE YEAR AFTER SUBSTANTIAL COMPLETION OR OWNER ACCEPTANCE OF THE COMPLETED PROJECT. PROVIDE A SEPARATE LINE ITEM DEDUCT AMOUNT ON THE PROPOSAL FORM TO DELETE WARRANTY SERVICE, AT THE OWNER'S OPTION.

DRAWINGS FOR HVAC WORK ARE DIAGRAMMATIC, SHOWING THE GENERAL LOCATION, TYPE, LAYOUT, AND EQUIPMENT REQUIRED. THE DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENTS. REFER TO MANUFACTURER'S STANDARD INSTALLATION DRAWINGS FOR EQUIPMENT CONNECTIONS AND INSTALLATION REQUIREMENTS, AS REQUIRED. PROVIDE ALL DUCTWORK, CONNECTIONS, ACCESSORIES, OFFSETS, AND MATERIALS NECESSARY TO FACILITATE THE SYSTEM FUNCTIONING AS INDICATED BY THE DESIGN AND THE EQUIPMENT INDICATED. THE WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES OR ORDINANCES AND SUBJECT TO INSPECTION.

COORDINATE WITH THE WORK OF OTHER SECTIONS, EQUIPMENT FURNISHED BY OTHERS, REQUIREMENTS OF THE LANDLORD, AND WITH THE CONSTRAINTS OF THE EXISTING CONDITIONS OF THE PROJECT SITE.

EXTRA STOCK: PROVIDE TWO SETS OF REPLACEMENT FILTERS PER EACH INSTALLED FOR ALL THE ROOFTOP UNITS, AND OTHER EQUIPMENT AND DEVICES, AND PROVIDE AN ITEMIZED LIST OF THE NUMBER, TYPE REQUIRED, AND WHERE USED. OBTAIN RECEIPT FROM OWNER THAT THESE ITEMS HAVE BEEN DELIVERED AND ACCEPTED BY THE OWNER'S REPRESENTATIVE.

DUCT DIMENSIONS: UNLESS OTHERWISE NOTED, DUCT DIMENSIONS ON DRAWING ARE SHEET METAL DIMENSIONS ON UNLINED DUCTS (INTERIOR DIMENSIONS).

SHEET METAL DUCTWORK: SHEET METAL DUCTWORK SHALL BE FABRICATED AND INSTALLED TO MEET ASHRAE AND SMACNA STANDARDS, FOR 1" W.G. PRESSURE CLASS. SHEET METAL SHALL BE GALVANIZED SHEET STEEL OF LOCK FORMING QUALITY, ASTM A-525. ALL ANGLE IRON USED FOR SUPPORT SHALL BE GALVANIZED. CONNECTIONS TO WALLS OR FLOOR SHALL BE AIR TIGHT WITH ANGLE IRON AND CAULKING. SEAL ALL DUCT SEAMS, TRANSVERSE AND LONGITUDINAL, AIR TIGHT. PROVIDE TURNING VANES AT ALL ELBOWS OR OFFSETS EXCEEDING 30°.

DUCT SHALL BE EXTERNALLY WRAPPED W/ 2" FIBERGLASS BLANKET INSULATION.

RIGID ROUND GALVANIZED DUCT SHALL BE SPIRAL OR SNAP LOCK GALVANIZED SHEETMETAL COMPLYING WITH SMACNA.

FIBERGLASS DUCT BOARD IS AN ACCEPTABLE W/ PRIOR WRITTEN OWNER PERMISSION. MINIMUM R-VALUE OF 5 REQUIRED FOR CONDITIONED SPACES AND MINIMUM R-VALUE OF 8 FOR UNCONDITIONED SPACES.

FLEXIBLE DUCT CONNECTOR: WHERE INDICATED PROVIDE U.L. LABELED 30oz. NEOPRENE COATED FIBERGLASS FABRIC DUCT CONNECTORS.

GRILLES AND DIFFUSERS: PROVIDE GRILLES, DIFFUSERS, AND DAMPERS IN SIZES, CAPACITIES, MATERIALS, AND PATTERN INDICATED ON THE DRAWINGS.

ACCESS PANELS: PROVIDE HINGED ACCESS PANELS IN DUCTWORK WHERE REQUIRED FOR ACCESS TO EQUIPMENT. PROVIDE INSULATED ACCESS DOORS IN INSULATED DUCTWORK.

PROVIDE WHERE APPLICABLE, DUCT MOUNTED SUPPLY AND/OR RETURN AIR PHOTOELECTRIC TYPE UL LISTED SMOKE DETECTORS. DETECTORS SHALL BE LISTED FOR THE AIR VELOCITIES ENCOUNTERED. PROVIDE INTERLOCK WIRING AND RELAYS FOR UNIT SHUT DOWN. ON ACTIVATION OF ANY DETECTOR, ALL HVAC UNIT FANS SHALL STOP.

TEST AND ADJUST EACH PIECE OF EQUIPMENT AND EACH SYSTEM AS REQUIRED TO ASSURE PROPER BALANCE AND OPERATION. TEST AND BALANCE SHALL BE PERFORMED BY AN INDEPENDENT NEBB OR AABC REGISTERED CONTRACTOR. ELIMINATE NOISE AND VIBRATION, AND ASSURE PROPER FUNCTION OF ALL CONTROLS, MAINTENANCE OF TEMPERATURE, AND OPERATION. BALANCE MECHANICAL SYSTEM, AND SUBMIT COMPLETED TEST

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Texas Registered Engineering Firm - F10262
Project number:13.2.39

PROJECT NAME: HIDALGO COUNTY – PRECINCT 2
NEW VEHICLE MAINTENANCE FACILITY

PROJECT LOCATION: SOUTH "I" ROAD
PHARR, TEXAS 78577

PROJECT OWNER: HIDALGO COUNTY
2812 SOUTH MCCOLL RD. EDINBURG, TEXAS 78539

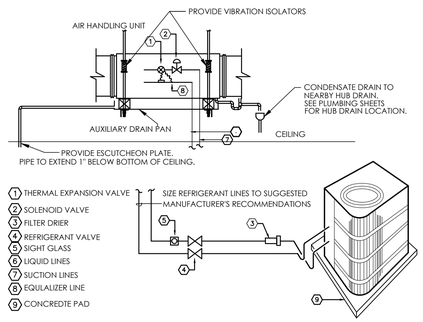
MARK	DATE	DESCRIPTION
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PROJECT NO: 13012
CAD DWG FILE: 13.2.39
DRAWN BY: TRINITY CAD
CHECKED BY: L.M.

SHEET TITLE
MECHANICAL PLAN

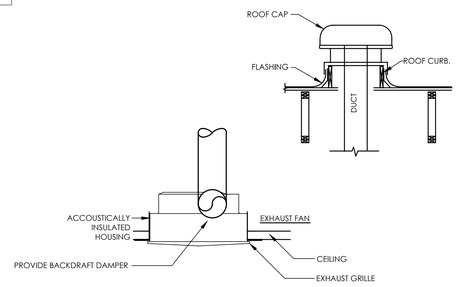
M201

01



SUSPENDED AIR HANDLER
NO SCALE

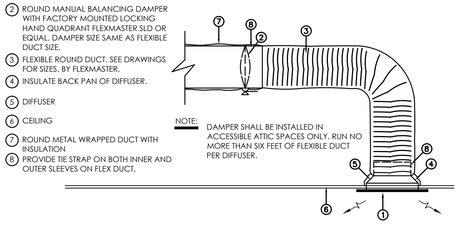
02



CEILING EXHAUST FAN DETAIL
NO SCALE

03

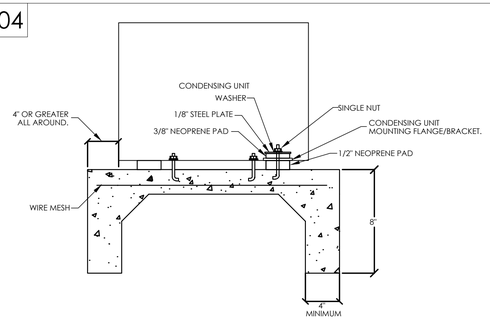
1. CEILING DIFFUSER
2. ROUND MANUAL BALANCING DAMPER WITH FACTORY MOUNTED LOCKING HAND QUADRANT FLEXMASTER SLD OR EQUAL. DAMPER SIZE SAME AS FLEXIBLE DUCT SIZE.
3. FLEXIBLE ROUND DUCT. SEE DRAWINGS FOR SIZES. BY FLEXMASTER.
4. INSULATE BACK PAN OF DIFFUSER.
5. DIFFUSER
6. CEILING
7. ROUND METAL WRAPPED DUCT WITH INSULATION
8. PROVIDE TIE STRAP ON BOTH INNER AND OUTER SLEEVES ON FLEX DUCT.



NOTE: DAMPER SHALL BE INSTALLED IN ACCESSIBLE ATTIC SPACES ONLY. RUN NO MORE THAN SIX FEET OF FLEXIBLE DUCT PER DIFFUSER.

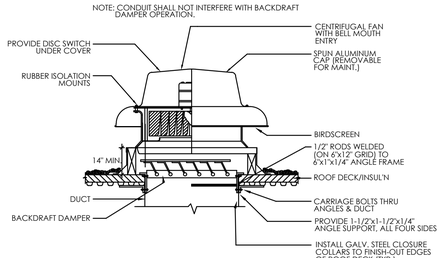
DIFFUSER RUN OUT DETAIL
NO SCALE

04



4" HOUSE KEEPING CONCRETE PAD
NO SCALE

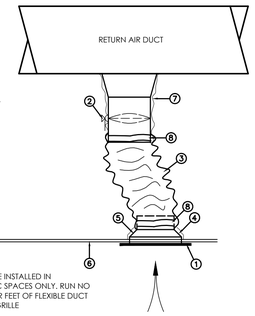
05



ROOF MTD. EXHAUST FAN
NO SCALE

06

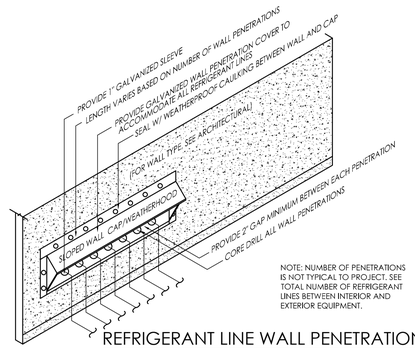
1. RETURN AIR GRILLE
2. ROUND MANUAL BALANCING DAMPER WITH FACTORY MOUNTED LOCKING HAND QUADRANT FLEXMASTER SLD OR EQUAL. DAMPER SIZE SAME AS FLEXIBLE DUCT SIZE.
3. FLEXIBLE ROUND DUCT, FOUR FEET OR LESS. SEE DRAWINGS FOR SIZES. BY FLEXMASTER
4. INSULATE BACK PAN OF GRILLE.
5. FIELD FABRICATED SQUARE TO ROUND TRANSITION, FROM NECK OF GRILLE TO SIZE INDICATED ON PLAN.
6. CEILING (SEE PLANS FOR CEILING TYPE)
7. ROUND METAL WRAPPED DUCT WITH INSULATION
8. PROVIDE TIE STRAP ON BOTH INNER AND OUTER SLEEVES ON FLEX DUCT.



NOTE: DAMPER SHALL BE INSTALLED IN ACCESSIBLE ATTIC SPACES ONLY. RUN NO MORE THAN FOUR FEET OF FLEXIBLE DUCT PER RETURN AIR GRILLE

RETURN AIR GRILLE ATTACHMENT DETAIL
NO SCALE

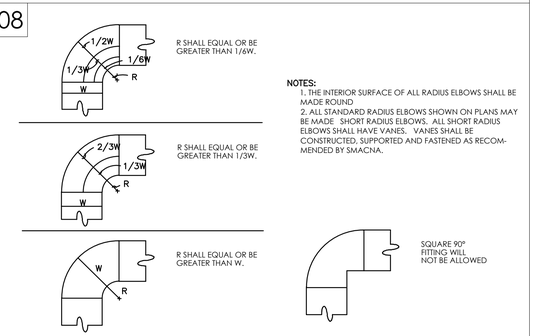
07



NOTE: NUMBER OF PENETRATIONS IS NOT TYPICAL TO PROJECT. SEE TOTAL NUMBER OF REFRIGERANT LINES BETWEEN INTERIOR AND EXTERIOR EQUIPMENT.

REFRIGERANT LINE WALL PENETRATION
NO SCALE

08



NOTES:
1. THE INTERIOR SURFACE OF ALL RADIUS ELBOWS SHALL BE MADE ROUND
2. ALL STANDARD RADIUS ELBOWS SHOWN ON PLANS MAY BE MADE SHORT RADIUS ELBOWS. ALL SHORT RADIUS ELBOWS SHALL HAVE VANES. VANES SHALL BE CONSTRUCTED, SUPPORTED AND FASTENED AS RECOMMENDED BY SMACNA.

RADIUS DUCT ELBOW DETAIL
NO SCALE

AIR HANDLING UNIT SCHEDULE

TAG	AHU-1,2,3	AHU-4
TYPE	2 SPEED	2 SPEED
FLOW CONFIGURATION	HORIZONTAL	HORIZONTAL
AREA SERVED	OFFICES,CONF,RECEP	LOCKERS
INDOOR UNIT FAN		
SUPPLY CFM	1400	700
MIN. OUTSIDE AIR (CFM)	200	100
EXT. STATIC INCHES WC	0.5	0.5
MIN FAN POWER	3/4 HP - ECM	1/2 HP - ECM
INDOOR UNIT COOLING COIL		
ENTERING AIR DB/WB (°F)	78.4/65.7	78.4/64.7
LEAVING AIR DB/WB (°F	55.7/53.9	55.5/53.5
MIN. TOTAL/SENSIBLE CAPACITY (MBH)	43/33	22/17
AMBIENT AIR DB/WB (°F)	105/78	105/78
INDOOR UNIT HEATING SELECTION		
HEATER TYPE/AMBIENT DESIGN DB (°F)	ELEC/36	ELEC/36
HEAT INPUT/STAGES	10.8 KW/1	3.6 KW/1
ENTERING/LEAVING DB (°F)	65/90	65/82
DETAILS AND ACCESSORIES		
VOLTAGE/PHASE	208/1	208/1
MCA/MOCP	71/80	25/25
MANUFACTURER	TRANE	TRANE
MODEL	TAM7A0C48	TAM7A0A24
NOMINAL UNIT SIZE TONNAGE	4.0 TONS	2.0 TONS
MAX WEIGHT	175 lbs	125 lbs
NOTES	2	2

CONDENSING UNIT SCHEDULE

TAG	CU-1,2,3	CU-4
OUTDOOR UNIT ELECTRICAL		
VOLTAGE/PHASE	208/1	208/1
MCA/MOCP	28/45	15/25
DETAILS AND ACCESSORIES		
MIN COOL/HEAT EFFICIENCY	16 SEER/-	16 SEER/-
COMPRESSOR QTY/STAGE QTY	1/2	1/2
COOL/HEAT AMBIENT DB (°F)	105/36	105/36
MANUFACTURER	TRANE	TRANE
MODEL	4TTR6048	4TTR6024
NOMINAL UNIT SIZE TONNAGE	4.0 TONS	2.0 TONS
MAX WEIGHT	350 lbs	275 lbs
NOTES	1,2	1,2

NOTES:
1. PROVIDE CONDENSER W/ E-COATING AND HAIL GUARDS.
2. PROVIDE W/ SINGLE POINT POWER, TRANE, YORK, LENNOX ACCEPTABLE AS ALTERNATES.

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Texas Registered Engineering Firm - F10082
Project number:13.2.39

PROJECT NAME: HIDALGO COUNTY – PRECINCT 2 NEW VEHICLE MAINTENANCE FACILITY

PROJECT LOCATION: SOUTH "I" ROAD PHARR, TEXAS 78577

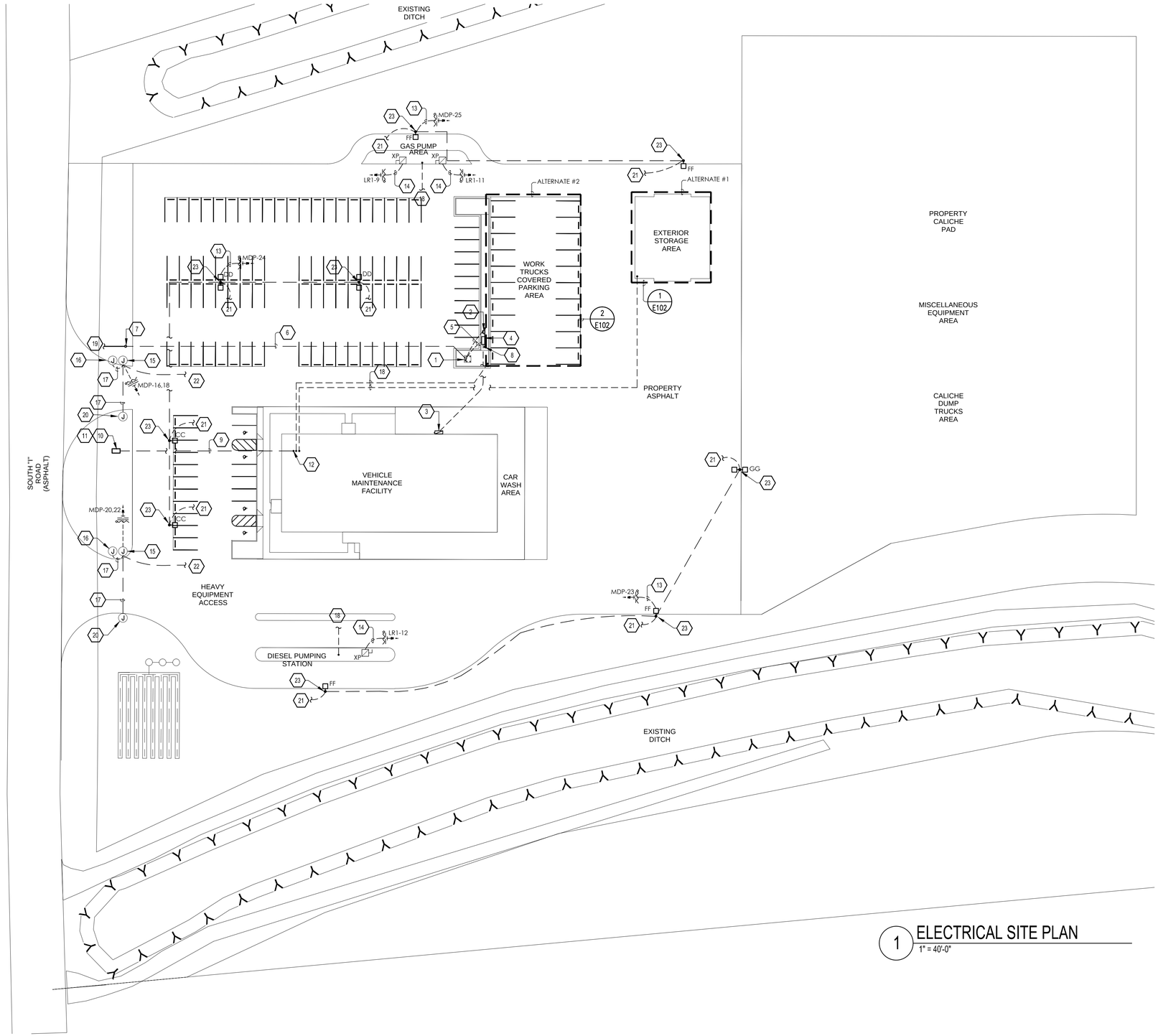
PROJECT OWNER'S: HIDALGO COUNTY 2812 SOUTH BUSINESS 281, EDINBURG, TEXAS 78539

MARK	DATE	DESCRIPTION
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PROJECT NO: 13012
CAD DWG FILE: 13.2.39
DRAWN BY: TRINITY CAD
CHECKED BY: L.M.

SHEET TITLE: MECHANICAL PLAN

M301



1 ELECTRICAL SITE PLAN
1" = 40'-0"

GENERAL ELECTRICAL NOTES (TO ALL SHEETS)

A. CONTRACTOR TO VERIFY ALL EXISTING MAIN POWER SERVICES AND COORDINATE WITH POWER COMPANY FOR ALL NEW REQUIREMENTS AND ALL COST ASSOCIATED. CONTRACTOR SHALL INCLUDE ANY COST FOR THE NEW TRANSFORMER AND OTHER ASSOCIATED FEES IN BID. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL FEES WITH POWER COMPANY AND TO INCLUDE IN BID. CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH POWER COMPANY AS SOON THE CONTRACT IS AWARDED TO ORDER TRANSFORMER AND THE RELATED ELECTRICAL SERVICE EQUIPMENT AS SOON AS POSSIBLE.

B. CONTRACTOR IS RESPONSIBLE FOR ALL EXCAVATION, TRENCHING AND BACKFILLING. COORDINATE WITH ALL UTILITIES PRIOR TO EXCAVATION.

C. CONTRACTOR TO VERIFY ALL EXISTING MAIN TELEPHONE SERVICES AND COORDINATE WITH TELEPHONE COMPANY FOR ALL REQUIREMENTS AND ALL COST ASSOCIATED. INCLUDE ALL COST IN BID. CONDUIT FROM MAIN TELEPHONE RISER SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.

D. ALL ELECTRICAL EQUIPMENT OUTDOORS SHALL BE RATED TYPE NEMA 3R UNLESS OTHERWISE NOTED.

E. CONTRACTOR SHALL HAVE A WORKING KNOWLEDGE OF LOCAL CODES AND ORDINANCES. ALL WORK SHALL CONFORM TO NATIONAL ELECTRICAL CODES AND ALL OTHER AUTHORITY HAVING JURISDICTION. OBTAIN PERMITS AND PAY ALL FEES. PERFORM MODIFICATIONS TO MEET CODE AND ORDINANCE REQUIREMENTS AT NO ADDITIONAL COST TO OWNER. ARCHITECT OR ENGINEER. VERIFY PRIOR TO BID DATE.

F. VERIFY AT JOB SITE THE EXACT LOCATIONS OF STRUCTURAL MEMBERS SUCH AS BEAMS, COLUMNS, ETC. TO LOCATE EQUIPMENT CONDUIT, PANELS AND DEVICES. IF DEVIATIONS FROM THE DRAWING ARE NECESSARY TO MEET STRUCTURAL CONDITIONS MAKE DEVIATIONS WITHOUT ADDITIONAL COST, TO OWNER, ARCHITECT, OR ENGINEER.

G. ALL SLEEVES, PENETRATIONS, ETC. SHALL BE SEALED SOLID NON-SHRINKING MATERIAL IMMEDIATELY UPON FILLING OF THE OPENING WITH PIPE OR CONDUIT.

H. GROUND ENTIRE ELECTRICAL SYSTEM IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.

I. VERIFY AT JOB SITE GENERAL WORK TO BE DONE AS SPECIFIED, AS NOTED, OR AS REQUIRED FOR INSTALLATION ELECTRICAL SYSTEMS PRIOR TO SUBMISSION OF BIDS.

J. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND EQUIPMENT TO BE REMOVED AND REPLACED BEFORE SUBMITTING HIS BID.

K. ELECTRICAL DRAWINGS ARE DIAGRAMMATIC AND SMALL SCALE ONLY. THEY CONVEY THE INTENT OF THE WORK BUT DO NOT SHOW DETAIL SUCH AS JUNCTION AND PULL BOXES REQUIRED BY THE SPECIFICATIONS AND THE NATIONAL ELECTRICAL CODE(NEC). PROVIDE ALL MATERIALS AND METHODS CALLED FOR IN THE SPECIFICATIONS AND AS REQUIRED IN THE NEC TO PROVIDE A COMPLETE INSTALLATION OF ALL WORK.

L. ALL WIRING SHALL BE COPPER.

M. ARRANGE FOR SOURCES OF TEMPORARY CONSTRUCTION SERVICES. SUCH SERVICES SHALL BE NOMINALLY 120/240V, 1-PHASE, 3-WIRE FROM WHICH A COMPLETE SYSTEM OF TEMPORARY POWER AND LIGHTING SHALL BE PROVIDED FOR ALL CONSTRUCTION NEEDS.

KEYED NOTES: ELECTRICAL

1. NEW POWER COMPANY PAD MOUNTED TRANSFORMER. PROVIDE CONCRETE PAD PER POWER COMPANY STANDARDS. COORDINATE COST AND INSTALLATION WITH POWER COMPANY PRIOR TO BID DATE. COORDINATE EXACT LOCATION WITH POWER COMPANY PRIOR TO ANY ROUGH-IN.
2. NEW 120/240V, 1Ø, 3W, ELECTRICAL SERVICE METER.
3. NEW BUILDING MAIN SWITCH DISCONNECT 'MS'. PROVIDE WEATHER PROOF LABEL.
4. PROVIDE POWER COMPANY CT NEMA-3R ENCLOSURE.
5. CONTRACTOR TO PROVIDE AND INSTALL PVC CONDUIT FROM NEW UTILITY TRANSFORMER TO NEW ELECTRICAL SERVICE EQUIPMENT PER POWER COMPANY STANDARDS. VERIFY ALL REQUIREMENTS PRIOR TO ANY ROUGH-IN. REFER TO ELECTRICAL RISER DIAGRAM.
6. CONTRACTOR TO PROVIDE AND INSTALL (1)-4" PVC CONDUIT FROM PROPOSED NEW UTILITY COMPANY POWER POLE WITH RISER DIP POLE TO NEW PAD MOUNT TRANSFORMER. ALL UNDERGROUND WORK SHALL BE ACCORDING TO POWER COMPANY STANDARDS. VERIFY ALL REQUIREMENTS WITH THE POWER COMPANY BEFORE ANY ROUGH-IN. COORDINATE LOCATION, COST, AND INSTALLATION WITH POWER COMPANY PRIOR TO BID.
7. NEW POWER COMPANY POWER POLE WITH RISER DIP POLE.
8. GALVANIZED STRUCTURE FOR SERVICE EQUIPMENT. COORDINATE REQUIREMENTS WITH POWER COMPANY PRIOR TO COMMENCING NAY WORK.
9. CONTRACTOR TO PROVIDE AND INSTALL (2)-4"PVC CONDUIT FOR TELEPHONE SERVICE EQUIPPED WITH PULLSTRING, AND TURNED UP AND CAPPED AT BOTH ENDS. DEPTH OF CONDUIT SHALL BE A MINIMUM OF 36". VERIFY ALL REQUIREMENTS WITH LOCAL UTILITIES BEFORE ROUGH-IN. ROUTE TO NEAREST TELEPHONE SERVICE LINE OR AS DIRECTED BY LOCAL TELEPHONE COMPANY. PROVIDE TRENCHING AND BACKFILL AS REQUIRED. COORDINATE EXACT LOCATION AND COST WITH TELEPHONE COMPANY PRIOR TO BID.
10. NEW TELEPHONE PEDESTAL. VERIFY ALL REQUIREMENTS PRIOR TO ANY ROUGH-INS.
11. TIE INTO EXISTING MAIN TELEPHONE LINE. COORDINATE WITH THE TELEPHONE COMPANY PRIOR TO ANY ROUGH-INS.
12. STUB UP IN THRU ROOM #105. COORDINATE EXACT LOCATION PRIOR TO COMMENCING ANY WORK.
13. VIA LIGHTING LIGHTING CONTROL RELAY PANEL.
14. 10 HP FUEL PUMP CIRCUIT. COORDINATE EXACT PRIOR TO ANY WORK. DISCONNECT SHALL BE LOCATED ON A UNCLASSIFIED LOCATION. VERIFY WITH LOCAL AUTHORITY JURISDICTION.
15. J-BOX FOR ELECTRIC GATE MOTOR CIRCUIT. COORDINATE EXACT LOCATION AND ELECTRICAL REQUIRMENTS WITH OWNER/EQUIPMENT SUPPLIER PRIOR TO COMMENCING ANY WORK.
16. J-BOX FOR ELECTRIC KEYPAD. COORDINATE EXACT LOCATION AND ELECTRICAL REQUIRMENTS WITH OWNER/EQUIPMENT SUPPLIER PRIOR TO COMMENCING ANY WORK.
17. PROVIDE 1-1"C FOR ELECTRIC GATE CONTROLS WITH PULLSTRING.
18. BASE BID- PROVIDE 2-2" EMTPY CONDUIT WITH PULLSTRING FOR COMMUNICATION. ROUTE TO ROOM #105 COORDINATE WITH OWNER STUB UP LOCATION APPROVAL PRIOR TO COMMENCING ANY WORK.
19. COORDINATE WITH POWER COMPANY ON PROVIDE SINGLE PHASE LINE TO NEW PROJECT SITE.
20. J-BOX FOR ELECTRIC GATE CONTROLST. COORDINATE EXACT LOCATION AND ELECTRICAL REQUIRMENTS WITH OWNER/EQUIPMENT SUPPLIER PRIOR TO COMMENCING ANY WORK.
21. PROVIDE 1-1"C WITH PULLSTRING INTO THE POLE. ROUTE CONDUIT BACK TO MECHANICAL STORAGE ROOM #105.
22. PROVIDE 1-1"C WITH PULLSTRING TO ROOM #105.
23. ALTERNATE #3 - FOR ALTERNATE #3 ONLY INCLUDES THE LIGHT FIXTURE AND CONCRETE FOOTING. CONTRACTOR SHALL INCLUDE ALL INSTALLATION OF FIXTURE, ALL LABOR AND MATERIALS AS REQUIRED FOR A COMPLETE WORKING IN BASE BID.

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Texas Registered Engineering Firm - F10362
Project number: 13.2.39

PROJECT NAME: HIDALGO COUNTY - PRECINCT 2
NEW VEHICLE MAINTENANCE FACILITY

PROJECT LOCATION: SOUTH "I" ROAD
PHARR, TEXAS 78577

PROJECT OWNER: HIDALGO COUNTY
2812 SOUTH BUSINESS HWY 281, EDINBURG, TEXAS 78539

MARK	DATE	DESCRIPTION
--	--	-- CONSTRUCTION DOCUMENTS

PROJECT NO: 13012
CAD DWG FILE: 13.2.39
DRAWN BY: TRINITY CAD
CHECKED BY: L.M.

SHEET TITLE
ELECTRICAL SITE PLAN

ES101

GENERAL NOTES: LIGHTING

F. ALL EXIT FIXTURES TYPE-"X1 & X2", EMERGENCY LIGHT FIXTURE TYPE-"E2" AND ALL EMERGENCY BALLAST SHALL BE ON CIRCUIT "LR1-5". FIXTURE TYPE LABEL WITH AN "_E" ARE LIGHT FIXTURES WITH EMERGENCY BALLAST. REFER TO LIGHT FIXTURE SCHEDULE.

B. VERIFY CEILING TYPES AND COORDINATE WITH FIXTURE TYPE LIGHT FIXTURE SHALL BE COMPATIBLE WITH CEILING TYPE AS INDICATED ON THE ARCHITECTURAL DOCUMENTS. NOTIFY ENGINEER IF DISCREPANCIES EXIST PRIOR TO ORDERING FIXTURES.

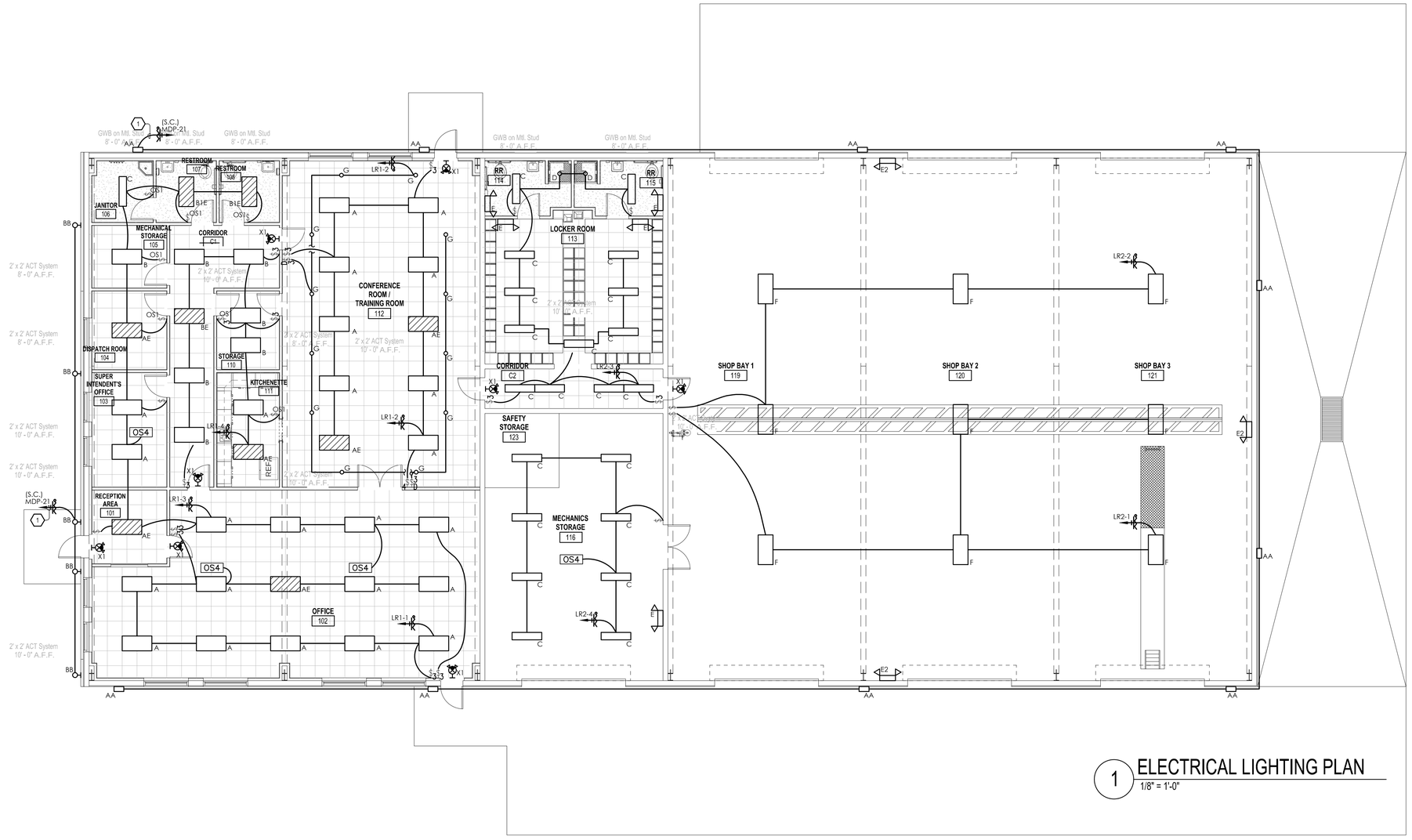
C. COORDINATE EXACT ROUTING OF ALL CONDUIT ABOVE CEILING IN BUILDING. TYPICAL FOR ALL BUILDING EXTERIOR LIGHTING.

D. COORDINATE LOCATION OF LIGHTS WITH DIFFUSERS AND GRILLES.

E. SWITCH LEGS ARE NOT SHOWN WHERE SWITCHING SCHEME IS OBVIOUS.

KEYED NOTES: LIGHTING

1 CONTROLLED VIA LIGHTING CONTACTOR 'LC'.



1 ELECTRICAL LIGHTING PLAN
1/8" = 1'-0"

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PROJECT NAME: HIDALGO COUNTY – PRECINCT 2 NEW VEHICLE MAINTENANCE FACILITY

PROJECT LOCATION: SOUTH "I" ROAD PHARR, TEXAS 78577

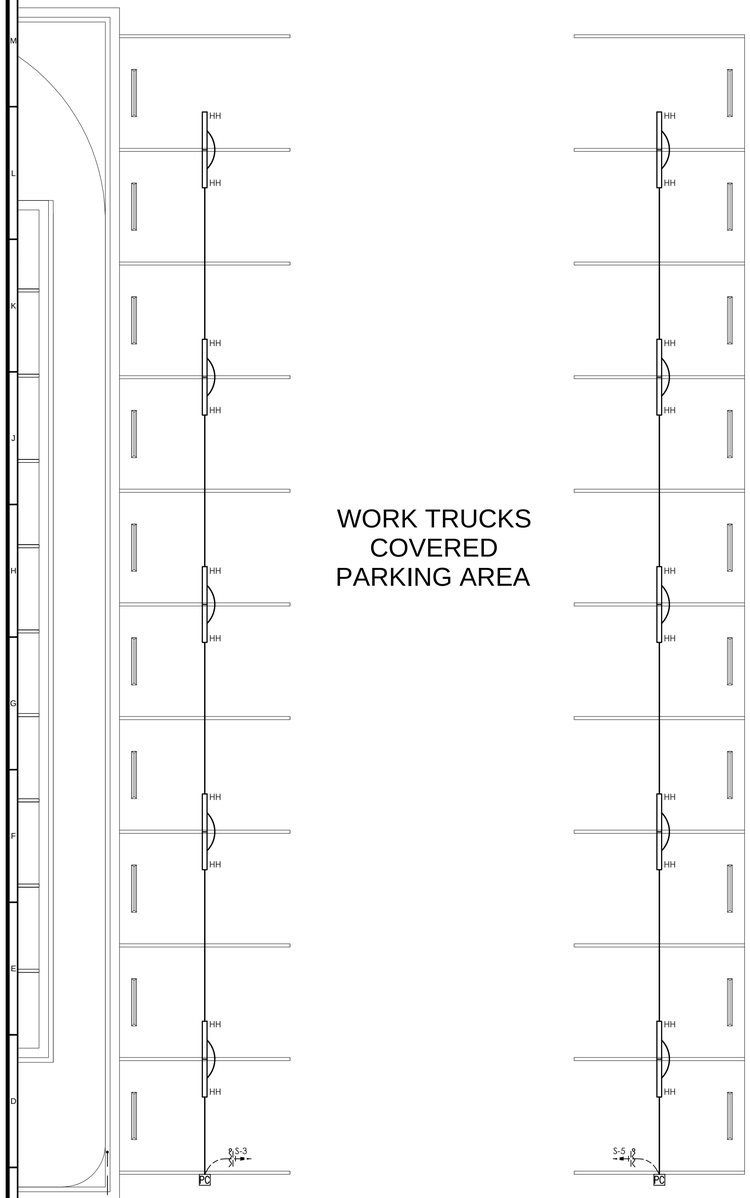
PROJECT OWNER: HIDALGO COUNTY 2812 SOUTH BUSINESS 281, EDINBURG, TEXAS 78539

MARK	DATE	DESCRIPTION
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PROJECT NO: 13012
CAD DWG FILE: 13.2.39
DRAWN BY: TRINITY CAD
CHECKED BY: L.M.

SHEET TITLE
ELECTRICAL LIGHTING PLAN

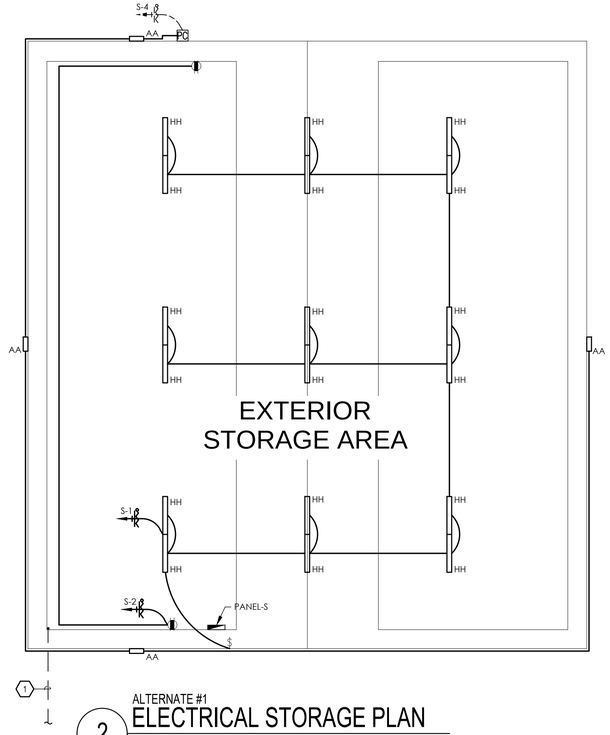
E101



ALTERNATE #2

1 LIGHTING COVERED PARKING PLAN

1/8" = 1'-0"



ALTERNATE #1

2 ELECTRICAL STORAGE PLAN

1/8" = 1'-0"

GENERAL NOTES: ELECTRICAL

A. VERIFY CEILING TYPES AND COORDINATE WITH FIXTURE TYPE LIGHT FIXTURE SHALL BE COMPATIBLE WITH CEILING TYPE AS INDICATED ON THE ARCHITECTURAL DOCUMENTS. NOTIFY ENGINEER IF DISCREPANCIES EXIST PRIOR TO ORDERING FIXTURES.

B. COORDINATE EXACT ROUTING OF ALL CONDUIT ABOVE CEILING IN BUILDING. TYPICAL FOR ALL BUILDING EXTERIOR LIGHTING.

C. SWITCH LEGS ARE NOT SHOWN WHERE SWITCHING SCHEME IS OBVIOUS.

KEYED NOTES: LIGHTING

1 COMMUNICATION CONDUITS. REFER TO ELECTRICAL SITE PLAN.

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Project number:13.2.39

PROJECT NAME
HIDALGO COUNTY - PRECINCT 2
NEW VEHICLE MAINTENANCE FACILITY

PROJECT LOCATION
SOUTH "I" ROAD
PHARR, TEXAS 78577

PROJECT OWNER
HIDALGO COUNTY
2812 SOUTH BUSINESS 281, EDINBURG, TEXAS 78539

MARK	DATE	DESCRIPTION
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PROJECT NO: 13012
CAD DWG FILE: 13.2.39
DRAWN BY: TRINITY CAD
CHECKED BY: L.M.

SHEET TITLE
ELECTRICAL
LIGHTING PLAN

E102

KEYED NOTES: POWER

1. COORDINATE EXACT LOCATION WITH PLUMBER TO CONCEAL CORD BEHIND ELECTRIC DRINKING FOUNTAIN PRIOR TO ANY ROUGH-IN.
2. FURNISH AND INSTALL J-BOX FOR CAR-LIFT COMPRESSOR MOTOR. COORDINATE EXACT LOCATION AND ELECTRICAL REQUIREMENTS WITH EQUIPMENT SUPPLIER AND OWNER PRIOR TO COMMENCING ANY WORK.
3. FURNISH AND INSTALL HEAVY DUTY RETRACTABLE DROP CORD REEL WITH STRAIN RELIEF AND BALL STOP TYPE WOODHEAD#92583N. FURNISH WITH 20AMP,120V NEMA 5-20R TWIST LOCK RECEPTACLE. CORD REEL SHALL BE SECURELY MOUNTED TO STRUCTURE.
4. WELDING RECEPTACLE. PROVIDE 50A-2POLE NEMA-50R RECEPTACLE. COORDINATE EXACT LOCATION AND ELECTRICAL REQUIREMENTS WITH OWNER/EQUIPMENT SUPPLIER PRIOR TO COMMENCING ANY WORK.
5. FURNISH AND INSTALL GFI RECEPTACLE FOR WORKING LIGHT AT 12 INCHES BELOW GRADE. COORDINATE MOUNTING APPLICATION WITH OWNER PRIOR TO COMMENCING ANY WORK.
6. FURNISH AND INSTALL GFI RECEPTACLE TOGGLE SWITCH AT 12 INCHES BELOW GRADE. COORDINATE MOUNTING APPLICATION WITH OWNER PRIOR TO COMMENCING ANY WORK.
7. FLOOR POCKET. COORDINATE EXACT LOCATION WITH OWNER AND MILLWORK PRIOR TO COMMENCING ANY WORK.
8. TIE INTO ROOMS LIGHTING CIRCUIT AND INTERLOCK FAN WITH ROOMS LIGHTS. WIRING SHALL BE 2#12, 1#12G, ¾"C.
9. DUPLEX RECEPTACLE FOR TELEPHONE D-MARC CIRCUIT. COORDINATE EXACT LOCATION PRIOR TO ANY WORK.
10. PROVIDE DISCONNECT SWITCH FOR POWER TO HOIST MAN RAIL, FLOOR SUPPORTED. EXTEND POWER TO MOTORS AND CONTROLS AS REQUIRED. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ANY WORK.
11. J-BOX FOR ELECTRIC SCREEN INCLUDE THE CONTROL SWITCH. COORDINATE EXACT LOCATION AND ELECTRICAL REQUIREMENTS WITH OWNER/MANUFACTURE PRIOR TO ANY WORK.
12. AIR COMPRESSOR DISCONNECT. COORDINATE EXACT LOCATION AND ELECTRICAL REQUIREMENTS WITH OWNER/ EQUIPMENT SUPPLIER PRIOR TO COMMENCING ANY ROUGH-INS.

GENERAL NOTES: POWER

A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF ALL POWER SOURCE WIRING IN ACCORDANCE WITH ARCHITECTURAL MILLWORK.

B. ELECTRICAL CONTRACTOR SHALL MAKE FINAL CONNECTION TO H.V.A.C EQUIPMENT, PLUMBING EQUIPMENT, REFER TO PANEL SCHEDULE FOR WIRE SIZE.

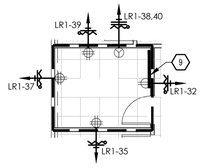
C. ELECTRICAL CONTRACTOR SHALL PROVIDE STARTERS, RELAYS, CONTACTORS AND THE REQUIRED ELECTRICAL ACCESSORIES FOR MECHANICAL SYSTEM AS REQUIRED.

D. COORDINATE EXACT LOCATION OF ALL MECHANICAL EQUIPMENT IN ACCORDANCE W/MECHANICAL DRAWINGS TO MEET ELECTRICAL AND MECHANICAL REQUIRED CLEARANCE BY THE LATEST CODE.

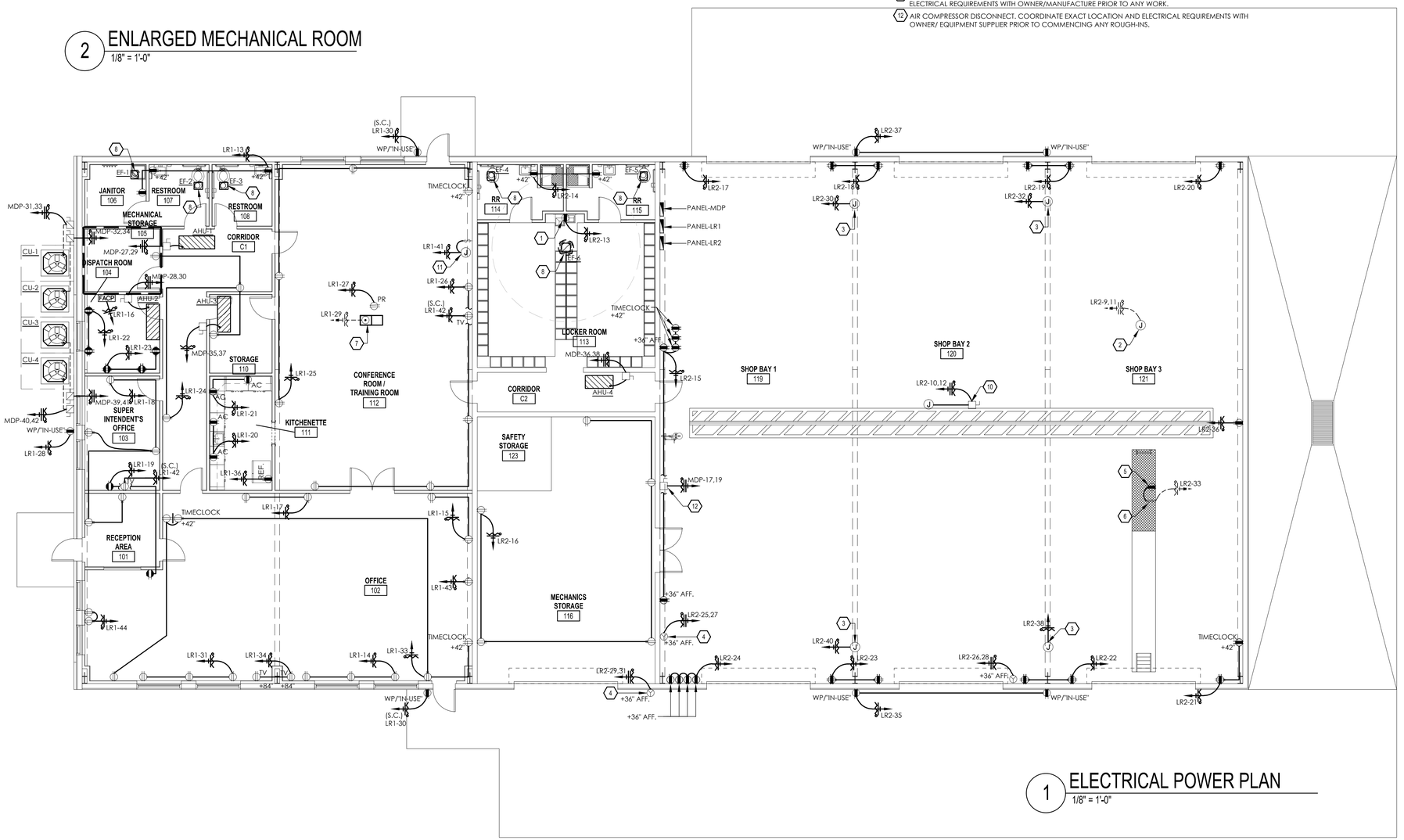
E. COORDINATE EXACT LOCATION OF ISOLATED OUTLETS FOR COMPUTERS WITH OWNER.

F. ELECTRICAL CONTRACTOR SHALL PROVIDE J-BOX AND CONDUIT FOR H.V.A.C. CONTROLS AND THERMOSTATS. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR.

G. NEMA RATED OUTLETS, REFER TO BREAKER SIZE AND COORDINATE WITH EQUIPMENT REQUIREMENTS PRIOR TO BID.



2 ENLARGED MECHANICAL ROOM
1/8" = 1'-0"



1 ELECTRICAL POWER PLAN
1/8" = 1'-0"

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PROJECT NAME: HIDALGO COUNTY – PRECINCT 2 NEW VEHICLE MAINTENANCE FACILITY

PROJECT LOCATION: SOUTH "I" ROAD PHARR, TEXAS 78577

PROJECT OWNER: HIDALGO COUNTY 2812 SOUTH BUSINESS 281, EDINBURG, TEXAS 78539

MARK	DATE	DESCRIPTION
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PROJECT NO: 13012
CAD DWG FILE: 13.2.39
DRAWN BY: TRINITY CAD
CHECKED BY: L.M.

SHEET TITLE: ELECTRICAL PLAN

E201

ELECTRICAL LEGEND-SPECIAL SYTEMS

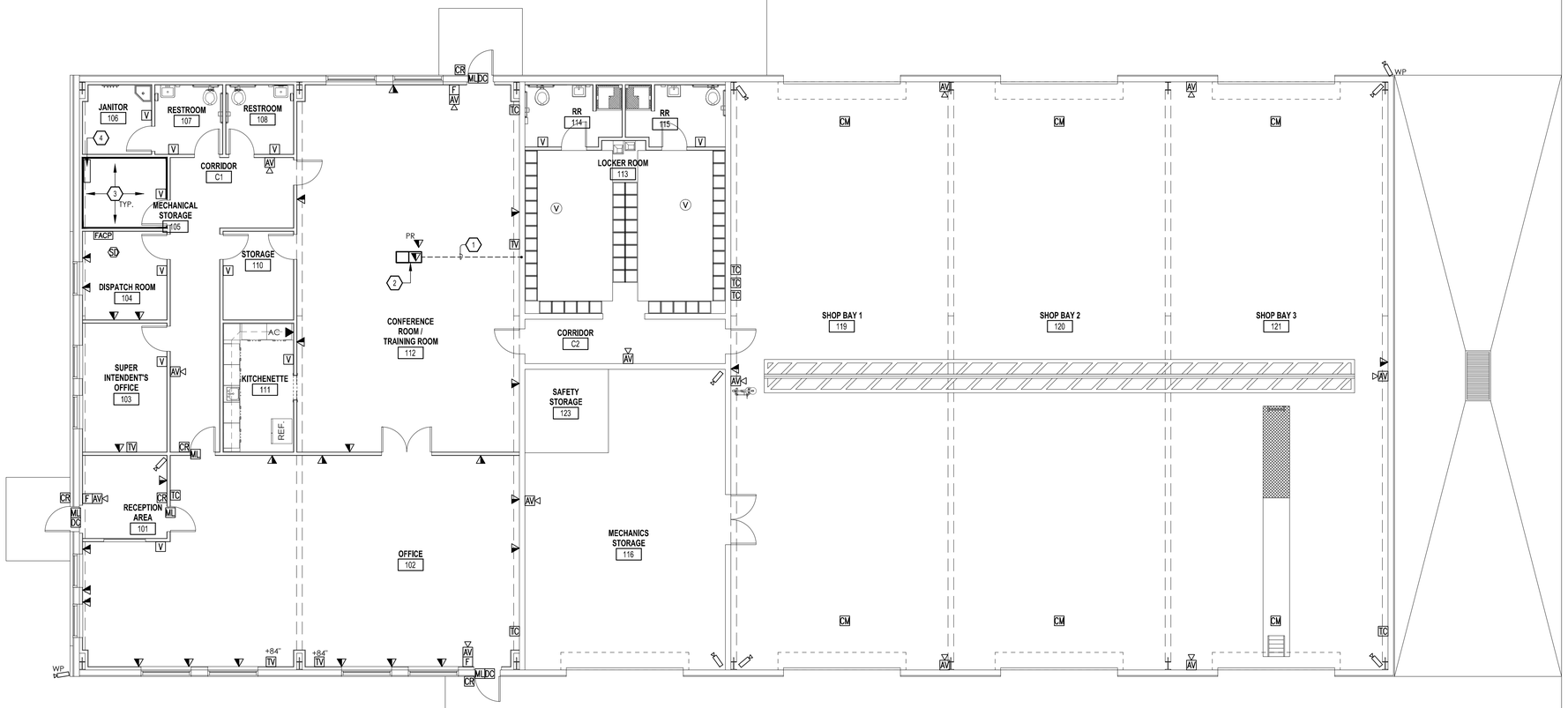
—ALL SYMBOLS SHOWN MAY NOT APPEAR IN ALL DRAWINGS.
SYMBOLS ARE SHOWN SCHEMATIC AND MAY NOT BE TO SCALE.

SYMBOL	DESCRIPTION	
TV	WALL MOUNTED TELEPHONE/DATA OUTLET, FURNISH AND INSTALL 1"C., WITH PULLSTRING AND INSULATED BUSHING, STUBBED ABOVE CEILING. +24" UNLESS OTHERWISE NOTE. BOX TO BE MINIMUM 2 1/8" DEEP.	
TV	WALL MOUNTED TELEPHONE OUTLET, FURNISH AND INSTALL 3/4"C . WITH PULLSTRING AND INSULATED BUSHING, STUBBED ABOVE CEILING. +24" UNLESS OTHERWISE NOTE. BOX TO BE MINIMUM 2 1/8" DEEP.	
TV	WALL MOUNTED DATA OUTLET, FURNISH AND INSTALL 1"C . WITH PULLSTRING AND INSULATED BUSHING, STUBBED ABOVE CEILING. +24" UNLESS OTHERWISE NOTE. BOX TO BE MINIMUM 2 1/8" DEEP.	
P	PUBLIC TELEPHONE OUTLET.: J-BOX & 3/4"C	
TV TV	TELEVISION OUTLET. CLG. OR WALL MOUNTED - STUB 3/4" C. ABOVE CEILING FROM OUTLET BOX	
	PUSHBUTTON WALL MOUNTED.	
	FLOOR MOUNTED 2-DUPLEX RECEPTACLE /1GANG FOR TELE/DATA OUTLETS- FLUSH MOUNTED UNO FLOOR BOX = MFR.-WIREMOLD MODEL#RFB4-, RFB-8,RFB-DR,RFB4-LPB COVER #FPSTCBK-VERIFY FLOOR FINISH PRIOR TO ORDER SAME BOX FOR POWER OUTLETS.	
AV	AUDIO VIDEO DROP. REFER TO DETAIL	
SD	SECURITY DOOR CONTACT SENSOR - STUB 1/2"C ABOVE CEILING FROM OUTLET BOX	
MD	SECURITY MOTION DETECTOR SENSOR - STUB 1/2"C ABOVE CEILING FROM OUTLET BOX	
G	SECURITY GLASS BREAK SENSOR - STUB 1/2"C ABOVE CEILING FROM OUTLET BOX	
KP	SECURITY KEY PAD - STUB 3/4"C ABOVE CEILING FROM OUTLET BOX	
SECI	SECURITY PANEL JUNCTION BOX- BY OTHERS	54"
ACS	ACCESS CONTROL PANEL JUNCTION BOX - BY OTHERS	54"
CR	CARD READER BOX - STUB 3/4"C ABOVE CEILING LEVEL FROM OUTLET BOX SYSTEM BY OTHERS	- - - -
ML	MAGNETIC LOCK BOX - STUB 3/4"C ABOVE CEILING LEVEL FROM OUTLET BOX SYSTEM BY OTHERS	- - - -
S	INTRUSION EXTERIOR SPEAKER	10'-6" AFF
	CAMERA J-BOX W/ 3/4" CONDUIT TO ROOM #105	
TC	TIM CLOCK DATA DROP. FURNISH AND INSTALL 3/4"C . WITH PULLSTRING AND INSULATED BUSHING, STUBBED ABOVE CEILING. +48" A.F.F. UNLESS OTHERWISE NOTE. BOX TO BE MINIMUM 2 1/8" DEEP.	

ELECTRICAL LEGEND-FIRE ALARM

—ALL SYMBOLS SHOWN MAY NOT APPEAR IN ALL DRAWINGS.
SYMBOLS ARE SHOWN SCHEMATIC AND MAY NOT BE TO SCALE.

SYMBOL	DESCRIPTION
	ABOVE CEILING FROM OUTLET BOX
F	FIRE ALARM PULL STATION: STUB 3/4"C ABOVE CEILING FROM J-BOX
AV	FIRE ALARM AUDIBLE/VISUAL SIGNAL: STUB 3/4"C ABOVE CEILING FROM J-BOX
V	FIRE ALARM VISUAL SIGNAL: STUB 3/4"C ABOVE CEILING FROM J-BOX
V V	FIRE ALARM SMOKE DETECTOR CEILING OR WALL MOUNTED: STUB 3/4"C ABOVE CEILING FROM J-BOX
H	HEAT DETECTOR CEILING OR WALL MOUNTED: STUB 3/4"C ABOVE CEILING FROM J-BOX
SD	DUCT SMOKE DETECTOR: STUB 3/4"C ABOVE CEILING FROM J-BOX
FACP	FIRE ALARM CONTROL PANEL, ADDRESSABLE, SURFACE MTD UNO.
FAAP	FIRE ALARM REMOTE ANNUNCIATOR PANEL, FLUSH MOUNTED UNO
CM	FIRE ALARM CARBON MONOXIDE SENSOR, CEILING MOUNTED.
V	CEILING MOUNT FIRE ALARM VISUAL SIGNAL
DH	DOOR HOLDER DEVICE: STUB 3/4"C ABOVE CEILING FROM J-BOX
TS	TAMPER SWITCH: STUB 3/4"C ABOVE CEILING FROM J-BOX
FS	FLOW SWITCH: STUB 3/4"C ABOVE CEILING FROM J-BOX
F	FIRE ALARM OUTDOOR SPEAKER, WEATHER PROOF: STUB 3/4"C ABOVE CEILING FROM J-BOX



1 SPECIAL SYSTEMS PLAN
1/8" = 1'-0"

GENERAL NOTES: SPECIAL SYSTEMS

A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF ALL POWER SOURCE WIRING IN ACCORDANCE WITH ARCHITECTURAL MILLWORK.
B. PROVIDE CLEAR VANDAL COVER WITH STOPPER II OPTION FOR ALL FIRE ALARM PULL STATIONS.
C. EQUIPMENT AS FURNISHED OF A SINGLE MANUFACTURER.
D. COORDINATE EXACT LOCATION OF ALL MECHANICAL EQUIPMENT IN ACCORDANCE MECHANICAL DRAWINGS.
E. ALL CONDUITS SHALL REAMED AND COMPLETED WITH CONNECTORS AND INSULATED BUSHINGS AT BOTH ENDS.
F. ALL DEVICES SHOWN ON DRAWINGS ARE SYMBOLIC ONLY. THE ENTIRE FIRE ALARM SYSTEM, SHALL BE IN FULL COMPLIANCE AND MEET ALL CODES AND REQUIREMENTS OF THE LOCAL ADMINISTRATIVE AUTHORITY. ANY MODIFICATIONS REQUIRED TO PROVIDE COMPLIANCE SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER OR ARCHITECT/ ENGINEER.
G. FIRE ALARM LICENSE HOLDER SHALL ASSUME ALL RESPONSIBILITY FOR DESIGN AND SUBMITT DRAWINGS TO JURISDICTION HAVING AUTHORITY AND ABIDE BY ALL OTHER REQUIREMENTS PER NFPA.

KEYED NOTES: SPECIAL SYSTEM

1. PROVIDE 1-1" CONDUIT WITH PULLSTRING.
2. FLOOR POCKET. COORDINATE EXACT LOCATION WITH OWNER/MILLWORK PRIOR TO COMMENCING ANY WORK.
3. 3/4"X8'HX4'W PLYWOOD TELEPHONE BOARD FINISHED ONE SIDE FOR ALL 4 WALLS. ALL 4 WALLS SHALL BE COMPLETELY COVERED WITH PLYWOOD UP TO 8' HEIGHT. PROVIDE EXTENSIONS TO THE ALL WIRING DEVICES BOXES IN ROOM. PROVIDE GROUND BAR AND TIE INTO ELECTRICAL GROUNDING SYSTEM VIA WIRE #4.
4. ALL COMMUNICATION CONDUITS STUB-UP PROPOSED LOCATION.

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PROJECT LOCATION: SOUTH "I" ROAD PHARR, TEXAS 78577
PROJECT OWNER'S: HIDALGO COUNTY 2812 SOUTH BUSINESS 281, EDINBURG, TEXAS 78539

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PROJECT NO:	13012
CAD DWG FILE:	13.2.39
DRAWN BY:	TRINITY CAD
CHECKED BY:	L.M.

SHEET TITLE
SPECIAL SYSTEMS PLAN

E301

ELECTRICAL LEGEND-LIGHTING

---ALL SYMBOLS SHOWN MAY NOT APPEAR IN ALL DRAWINGS.
SYMBOLS ARE SHOWN SCHEMATIC AND MAY NOT BE TO SCALE.

SYMBOL	DESCRIPTION
	2'x4' FLUORESCENT LIGHT FIXTURE
	2'X4' FLUORESCENT FIXTURE W/EMERGENCY BATTERY PACK
	2'x2' FLUORESCENT LIGHT FIXTURE
	2'X2' FLUORESCENT FIXTURE W/EMERGENCY BATTERY PACK
	1'X4' FLUORESCENT LIGHT FIXTURE
	TRACK LIGHT WITH HEADS AS INDICATED
	INCANDESCENT, FLUORESCENT, OR HID WALL WASHER LIGHT FIXTURE CEILING MTD.
	INCANDESCENT, FLUORESCENT, OR HID FIXTURE CLG. OR WALL MTD.
	FLUORESCENT, OR HID FIXTURE WITH EMERGENCY BATTERY PACK. CLG. OR WALL MTD.
	EXIT LIGHT, CEILING OR WALL MOUNTED - SHADING INDICATING SINGLE OR DOUBLE FACE; DIRECTIONAL ARROWS AS INDICATED
	EXIT LIGHT SAME AS ABOVE, EXCEPT WITH AN EMERGENCY UNIT AS A COMBO
	CEILING FAN
	FLUORESCENT STRIP LIGHT
	FLUORESCENT STRIP LIGHT WITH EMERGENCY BATTERY PACK
$	WALL SWITCH SPST, 20A,120/277V
$2	DOUBLE POLE TOGGLE SWITCH, 20A/120/277V
$3	3-WAY WALL SWITCH, 20A,120/277V
$4	4-WAY WALL SWITCH, 20A,120/277V
$D	WALL DIMMER SWITCH
$P	WALL SWITCH SPST, 20A,120/277V - PILOT LIGHT SWITCH
$K	WALL SWITCH SPST, 20A,120/277V - KEYED SWITCH, X = 3 OR 4 WAY

ELECTRICAL LEGEND-SPECIAL SYTEMS

---ALL SYMBOLS SHOWN MAY NOT APPEAR IN ALL DRAWINGS.
SYMBOLS ARE SHOWN SCHEMATIC AND MAY NOT BE TO SCALE.

SYMBOL	DESCRIPTION	
	WALL MOUNTED TELEPHONE/DATA OUTLET, FURNISH AND INSTALL 1"C., WITH PULLSTRING AND INSULATED BUSHING, STUBBED ABOVE CEILING, +24" UNLESS OTHERWISE NOTE. BOX TO BE MINIMUM 2 1/8" DEEP.	
PR	CEILING MOUNTED TELEPHONE/DATA OUTLET FOR PROJECTOR.	
	WALL MOUNTED TELEPHONE OUTLET. FURNISH AND INSTALL 3/4"C , WITH PULLSTRING AND INSULATED BUSHING, STUBBED ABOVE CEILING. +24" UNLESS OTHERWISE NOTE. BOX TO BE MINIMUM 2 1/8" DEEP.	
	WALL MOUNTED DATA OUTLET, FURNISH AND INSTALL 1"C , WITH PULLSTRING AND INSULATED BUSHING, STUBBED ABOVE CEILING. +24" UNLESS OTHERWISE NOTE. BOX TO BE MINIMUM 2 1/8" DEEP.	
P	PUBLIC TELEPHONE OUTLET.: J-BOX & 3/4"C	
TV	TELEVISION OUTLET. CLG. OR WALL MOUNTED - STUB 3/4" C. ABOVE CEILING FROM OUTLET BOX	
	PUSHBUTTON WALL MOUNTED.	
	FLOOR MOUNTED 2-DUPLEX RECEPTACLE /1GANG FOR TELE/DATA OUTLETS- FLUSH MOUNTED UNO FLOOR BOX = MFR.-WIREMOLD MODEL#RFB4-, RFB-B,RFB-DR,RFB4-LPB COVER #FPBTCBK-VERIFY FLOOR FINISH PRIOR TO ORDER SAME BOX FOR POWER OUTLETS.	
	FLOOR MOUNTED 2-DUPLEX RECEPTACLE /1GANG FOR DATA OUTLET- FLUSH MOUNTED UNO FLOOR BOX = MFR.-WIREMOLD MODEL#RFB4-, RFB-B,RFB-DR,RFB4-LPB COVER #FPBTCBK-VERIFY FLOOR FINISH PRIOR TO ORDER SAME BOX FOR POWER OUTLETS.	
AV	AUDIO VIDEO DROP, REFER TO DETAIL	
IC	INTERCOM - CALL SWITCH- JBOX WITH 3/4"C	
S	INTERCOM/PAGING LAY-IN SPEAKER	
	PA EXTERIOR SPEAKER	10'-6" AFF
DC	SECURITY DOOR CONTACT SENSOR - STUB 1/2"C ABOVE CEILING FROM OUTLET BOX	
MD	SECURITY MOTION DETECTOR SENSOR - STUB 1/2"C ABOVE CEILING FROM OUTLET BOX	
G	SECURITY GLASS BREAK SENSOR - STUB 1/2"C ABOVE CEILING FROM OUTLET BOX	
KP	SECURITY KEY PAD - STUB 3/4"C ABOVE CEILING FROM OUTLET BOX	
SEC	SECURITY PANEL JUNCTION BOX	54"
ACC	ACCESS CONTROL PANEL JUNCTION BOX - BY OTHERS	54"
CR	CARD READER BOX - STUB 3/4"C ABOVE CEILING LEVEL FROM OUTLET BOX SYSTEM BY OTHERS	- - - -
ML	MAGNETIC LOCK BOX - STUB 3/4"C ABOVE CEILING LEVEL FROM OUTLET BOX SYSTEM BY OTHERS	- - - -
S	INTRUSION EXTERIOR SPEAKER	10'-6" AFF
C	SINGLE SIDED CLOCK, J-BOX W/3/4"C	96" AFF MIN.
C	DOUBLE SIDED CLOCK,J-BOX W/3/4"C	96" AFF MIN.
	CAMERA J-BOX W/ 3/4" CONDUIT	- - - -

ELECTRICAL LEGEND-FIRE ALARM

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SYMBOL	DESCRIPTION
	ABOVE CEILING FROM OUTLET BOX
F	FIRE ALARM PULL STATION: STUB 3/4"C ABOVE CEILING FROM J-BOX
AV	FIRE ALARM AUDIBLE/VISUAL SIGNAL: STUB 3/4"C ABOVE CEILING FROM J-BOX
V	FIRE ALARM VISUAL SIGNAL: STUB 3/4"C ABOVE CEILING FROM J-BOX
SD SD	FIRE ALARM SMOKE DETECTOR CEILING OR WALL MOUNTED: STUB 3/4"C ABOVE CEILING FROM J-BOX
H	HEAT DETECTOR CEILING OR WALL MOUNTED: STUB 3/4"C ABOVE CEILING FROM J-BOX
SD D	DUCT SMOKE DETECTOR: STUB 3/4"C ABOVE CEILING FROM J-BOX
FACP	FIRE ALARM CONTROL PANEL, ADDRESSABLE, SURFACE MTD UNO.
FAAP	FIRE ALARM REMOTE ANNUNCIATOR PANEL, FLUSH MOUNTED UNO
CM	FIRE ALARM CARBON MONOXIDE SENSOR, CEILING MOUNTED.
V	CEILING MOUNT FIRE ALARM VISUAL SIGNAL
DH	DOOR HOLDER DEVICE: STUB 3/4"C ABOVE CEILING FROM J-BOX
TS	TAMPER SWITCH: STUB 3/4"C ABOVE CEILING FROM J-BOX
FS	FLOW SWITCH: STUB 3/4"C ABOVE CEILING FROM J-BOX
F	FIRE ALARM OUTDOOR SPEAKER, WEATHER PROOF: STUB 3/4"C ABOVE CEILING FROM J-BOX

ELECTRICAL LEGEND-GENERAL

---ALL SYMBOLS SHOWN MAY NOT APPEAR IN ALL DRAWINGS.
SYMBOLS ARE SHOWN SCHEMATIC AND MAY NOT BE TO SCALE.

SYMBOL	DESCRIPTION
	HEAVY DUTY DISCONNECT SWITCH FUSED
	HEAVY DUTY DISCONNECT SWITCH NONFUSED
	HEAVY DUTY COMBINATION DISCONNECT/MOTOR STARTER
	HEAVY DUTY MOTOR STARTER
	ENCLOSED BREAKER, RE: TO SCH. FOR MORE INFO.
R	ROTARY TYPE DISCONNECT SWITCH
M	120V,20AMP, MOTOR RATED SWITCH, NEMA-1 ENCLOSURE
	MOTOR
	PANELBOARD, CLEARANCE AS PER LATEST NEC
	SWITCH LEG
	ELECTRICAL CONDUIT
	UNDERGROUND ELECTRICAL CONDUIT
X, X, X	MULTI-POLE DEVICE CIRCUIT NUMBERS
X/X/X	THREE SINGLE POLE DEVICE CIRCUIT NUMBERS
A-1	CONDUIT AND WIRE HOMERUN TO PANEL. SHORT HATCH INDICATES NEUTRAL CONDUCTOR, LONG HATCHES INDICATE PHASE CONDUCTORS, AND LONG HATCH WITH CIRCLE INDICATES ISOLATES OR INSULATED GROUND. ALPHANUMERIC DESCRIPTION INDICATES PANEL AND BREAKER.
A-1	UNDERGROUND CONDUIT AND WIRE HOMERUN TO PANEL. SHORT HATCH INDICATES NEUTRAL CONDUCTOR, LONG HATCHES INDICATE PHASE CONDUCTORS, AND LONG HATCH WITH CIRCLE INDICATES ISOLATED OR INSULATED GROUND. ALPHANUMERIC DESCRIPTION INDICATES PANEL AND BREAKER.
	DETAIL NUMBER / SHEET NUMBER
T	THERMOSTAT WALL MOUNTED - STUB 1/2"C ABOVE CEILING FROM OUTLET BOX. COORDINATE EXACT LOCATION AND HEIGHT WITH MECHANICAL DIVISION.
	TELEPHONE BOARD
PC	PHOTO CELL(MFR.INTERMATIC #K4141C)
LC	LIGHTING CONTACTOR, NEMA-1, W/H.O.A. SWITCH
TC	TIME CLOCK (MFR.TORK#72022)
CP-1	CIRCULATING PUMP

ELECTRICAL ABBREVIATIONS:

ABBV:	DESCRIPTION	ABBV:	DESCRIPTION
AFF	ABOVE FINISHED FLOOR	MFR. (S.C.)	MANUFACTURER SHARE CIRCUIT
BFC	BELOW FINISHED CEILING	QRCPT(S)	QUAD RECEPTACLE(S)
C	CONDUIT	RCPT(S)	DUPLEX RECEPTACLE(S)
CB	CIRCUIT BREAKER	CRCPT(S)	I.G. RECEPTACLE(S)
EC	EMPTY CONDUIT	QCRCPT(S)	QUAD I.G. RECEPTACLE(S)
EX	EXISTING	PNL	PANEL
F	FUSE	SO (S.O.)	SPACE ONLY
G	GROUND (EQUIPMENT)	SP	SPARE
GFI	GROUND FAULT INTERRUPTER	ST (S.T.)	SHUNT TRIP
MTD	MOUNT OR MOUNTED	SW	SWITCH
NF	NONFUSED	UF	UNDERFLOOR
NIC	NOT IN CONTRACT	UG	UNDERGROUND
H.D	HEAVY DUTY	UNO(U.N.O.)	UNLESS NOTED OTHERWISE
NL	NIGHT LIGHT	WG	WIRE GUARD
AC	ABOVE COUNTER	WP	WEATHERPROOF
HT.	HEIGHT	XFMR	TRANSFORMER
MTD.	MOUNTING	MB	MAIN BREAKER
FDR.	FEEDER	MLO	MAIN LUGS ONLY
CKT.	CIRCUIT	RMC	RIGID METAL CONDUIT
LTG.	LIGHTING	RNC	RIGID NONMETALLIC CONDUIT
LC	LIGHTING CONTACTOR	EMT	ELECTRICAL METALLIC TUBING CONDUIT
IG	ISOLATED GROUND	S/N	SOLID NEUTRAL
EA.	EACH	AC	ABOVE COUNTER
N1	NEMA-1	AHJ	AHJ:AUTHORITY HAVING JURISDICTION
N3R	NEMA-3R		
N4X	NEMA-4X		

NOTES:

1.) 48" AFF INDICATES TO TOP OF DEVICE;
15" AFF INDICATES TO BOTTOM OF DEVICE;
ALL OTHER MOUNTING HEIGHTS REFER TO CENTERLINE OF DEVICE.
AC INDICATES 6" ABOVE COUNTER TO BOTTOM OF DEVICE.

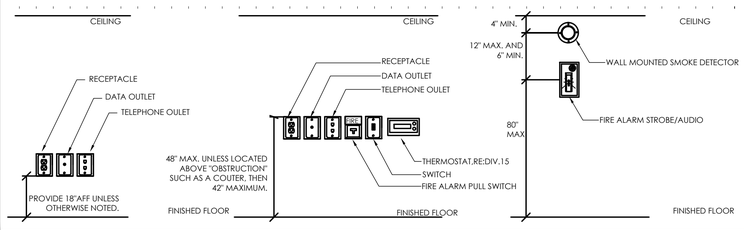
ELECTRICAL LEGEND - WIRING DEVICES

---ALL SYMBOLS SHOWN MAY NOT APPEAR IN ALL DRAWINGS.
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	SINGLE RECEPTACLE - 20A/125V/2P/3W/G NEMA 5-20R
	DUPLEX RECEPTACLE - 20A/125V/2P/3W/G NEMA 5-20R
H H	HOSPITAL GRADE DUPLEX RECEPTACLE/GFI - 20A/125V/2P/3W/G NEMA 5-20R
	DUPLEX RCPT, GFI - 20A/125V/2P/3W/G NEMA 5-20R
WP/ "IN-USE"	DUPLEX RCPT, GFI INSTALLED IN A "IN-USE" WEATHER PROOF STEEL ENCLOSURE- 20A/125V/2P/3W/G NEMA 5-20R WP/"IN-USE" SHALL BE EQUAL TO MFR. CARLON, METALLIC SERIES SINGLE GANG, VERTICAL MOUNT #ME9UVMG DOUBLE GANG, VERTICAL MOUNT #ME9U2VMG
	QUADRAPLEX RECEPTACLE
	ISOLATED GROUND QUADPLEX RECEPTACLE
	ISOLATED GROUND DUPLEX RECEPTACLE - 20A/125V NEMA 5-20R
	208V RECEPTACLE, VERIFY NEMA NO. WITH EQUIPMENT SUPPLIER
Y	SPECIAL PURPOSE RECEPTACLE (NEMA NO. AS INDICATED)
J J	JUNCTION BOX - SIZE & MOUNTING AS REQUIRED MINIMUM OF 4" SQUARE
HD	J-BOX - AIR HAND DRYER: (RECESSED HAND DRYERS TO BE PROVIDED BY DIVISION 16. ELECTRICAL)#B-750 AUTOMATIC HANDCRAFT AS MANUFACTURER BY BOBRICK. (COLOR WHITE) QUANTITY: REFER TO DRAWINGS (MIN. ONE PER LAV. COMPLETE W/ ELE. CONNECTIONS TYP.)
	FLOOR MOUNTED 2-DUPLEX RECEPTACLE/2-GANG FOR DATA - FLUSH MOUNTED UNO FLOOR BOX = MFR.-WIREMOLD MODEL#RFB4(MULTISERVICE STEEL RECESSED FLOOR BOX-, RFB-B,RFB-DR,RFB4-LPB COVER #FPBTCBK-VERIFY FLOOR FINISH PRIOR TO ORDER SAME BOX FOR DATA OUTLETS.

MOUNTING HEIGHT DETAIL

NOTE: VERIFY WITH ARCHITECTURAL FOR ADA REQUIREMENTS.



GENERAL ELECTRICAL NOTES

1. ALL SYMBOLS AND ABBREVIATIONS SHOWN ON THIS LEGEND MAY NOT APPEAR ON THIS SET OF DRAWINGS.
2. USE DIRECTIONAL ARROW ON EXIT SIGNS AS REQUIRED.
3. IEEE STANDARD C37.2-1991, ELECTRICAL POWER SYSTEM DEVICE FUNCTION NUMBERS.
4. CONTRACTOR SHALL NOT INSTALL MORE THAN THREE CURRENT CARRYING CONDUCTORS IN A COMMON RACEWAY. IF CONTRACTOR IS PLANNING ON GROUPING MULTIPLE CIRCUITS IN A SINGLE RACEWAY, THE CONTRCATOR MUST SUBMIT ALL DERATING CALCULATIONS FOR THE PROPOSED INSTALLATION IN ACCORDANCE WITH NEC ARTICLE 310.15 (B) (2) FOR APPROVAL PRIOR TO INSTALLATION. NON APPROVED INSTALLATIONS WILL BE REMOVED AND REINSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH THE NEC AT NO ADDITIONAL COST TO THE OWNER.
5. THERE SHALL NOT BE MORE THAN THE EQUIVALENT OF THREE 90° BENDS (270 DEGREES TOTAL) BETWEEN PULL POINTS. WHERE THERE ARE MORE THAN THREE QUARTER BENDS, CONTRACTOR SHALL PROVIDE PULL BOXES AS SPECIFIED AND SIZED IN ACCORDANCE WITH NEC.
6. COMPLY WITH NEC REQUIREMENTS FOR ELECTRICAL INSTALLATIONS. ALL ELECTRICAL EQUIPMENT AND MATERIAL TO BE APPROVED, LISTED, LABELED, IDENTIFIED AND INSTALLED PER RECOGNIZED ELECTRICAL TESTING LABORATORY.
7. ALL RECEPTACLES, SWITCHES AND JUNCTION BOXES SERVED BY EMERGENCY BRANCH CIRCUITS SHALL BE "RED" IN COLOR. COVERPLATES SHALL BE LABELED IN ACCORDANCE WITH SPECIFICATIONS TO INDICATE PANELBOARD AND CIRCUIT NO. (IE: ET"LA-3).

LUMINAIRE SCHEDULE

MARK	VOLTAGE	LAMP	MOUNTING	DESCRIPTION	MODEL NO.
A	120V	3-F32T8SP35	RECESSED LAY-IN	2X4 LAY-IN FLUORESCENT TROFFER W/ ACRYLIC LENS & ELECTRONIC BALLAST	LITHONIA 2GT8 _ 3 32_ A12125 MVOLT GEB
AE	SAME AS TYPE 'A' EXCEPT WITH 1400 LUMEN EMERGENCY BATTERY PACK				
B	120V	2-F32T8SP35	RECESSED LAY-IN	2X4 LAY-IN FLUORESCENT TROFFER W/ ACRYLIC LENS & ELECTRONIC BALLAST	LITHONIA 2GT8 _ 2 32_ A12125 MVOLT GEB
BE	SAME AS TYPE 'B' EXCEPT WITH 1400 LUMEN EMERGENCY BATTERY PACK				
B1	120V	2-F32T8SPX35	RECESSED	2X4 RECESSED FLUORESCENT TROFFER W/ ACRYLIC LENS ELECTRONIC BALLAST	LITHONIA 2GT8 F 3 32_ A12125 MVOLT GEB
B1E	SAME AS TYPE 'B1' EXCEPT WITH 1400 LUMEN EMERGENCY BATTERY PACK				
C	120V	2-F32T8SPX35	SURFACE	4' FLUORESCENT CHANNEL WITH ELECTRONIC BALLAST, WIRE GUARD	LITHONIA 2LB-2-32-MVOLT-_-GEB10IS
D	120V	1-26WTRT SP35	RECESSED	6"FLUORESCENT OPEN DOWN-LUMINAIRE, WITH ELECTRONIC BALLAST RATED FOR WET LOCATIONS	LITHONIA LP6FN-26TRT-CGL-MVOLT-6LR4
E	120V	INCLUDED	SURFACE	THERMOPLASTIC EMERGENCY LIGHTING UNIT W/ SELF-DIAGNOSTICS	LITHONIA ELM2-SD
E2	120V	INCLUDED	SURFACE	THERMOPLASTIC EMERGENCY LIGHTING UNIT W/ SELF-DIAGNOSTICS	LITHONIA LHQM-LED-_-R-HO-R0-ELA-QWP-L0309
F	120V	LED-24,000 LUMENS	SURFACE	SURFACE MOUNTED LED HIGH BAY FIXTURE WITH ELECTRONIC BALLAST	LITHONIA IBL-24L-WD-SD125-_-LP740
G	120V	1-32WTRT SP35	RECESSED	6"FLUORESCENT OPEN DOWN-LUMINAIRE, WITH ELECTRONIC DIMMING BALLAST	LITHONIA LP6FN-32TRT-MVOLT-DMHL-609A
X1	120V	INCLUDED	SURFACE	THERMOPLASTIC EXIT/EMERGENCY UNIT WITH SELF-DIAGNOSTICS	LITHONIA LHQM LED _-R SD
AA	120V	LED-3,100	SURFACE	LED WALL PACK, RATED FOR WET LOCATION	LITHONIA OLW-31
BB	120V	1-F40SPX35	SURFACE	ARCHITECTURAL WALL SCONCE, RATED FOR WET, LENSED	VISA LIGHTING OW1302-1F40 (120/277)-BSS-REM
CC ALTERNATE #3	120V	LED-1-21,300 LUMENS	25'POLE	LED ARCHITECTURAL POLE MOUNT LUMINAIRE, RATED FOR WET LOCATION, TYPE 4, ROUND POLE	LITHONIA DSX2-100C-700-40K-T4M-MVOLT-RPA-CCBXD POLE, MFR= KW #RSP25-5.0-7-NA-DM10-BC
DD ALTERNATE #3	120V	LED-2-21,300 LUMENS	25'POLE	LED ARCHITECTURAL POLE MOUNT LUMINAIRE, RATED FOR WET LOCATION, TYPE 5, ROUND POLE	LITHONIA DSX2-100C-700-40K-T5W-MVOLT-RPA-CCBXD POLE, MFR= KW #RSP25-5.0-7-NA-DM2090-BC
FF ALTERNATE #3	120V	LED-1-24,191 LUMENS	25'POLE	LED ARCHITECTURAL POLE MOUNT LUMINAIRE, RATED FOR WET LOCATION, TYPE 4, ROUND POLE	AMERCIAN ELECTRIC LIGHTING ATB2-80BLEDE10-MVOLT-R4-SK POLE, MFR= KW #RSP25-5.0-7-NA-DM10-BC
GG ALTERNATE #3	120V	LED-2-24,191 LUMENS	25'POLE	LED ARCHITECTURAL POLE MOUNT LUMINAIRE, RATED FOR WET LOCATION, TYPE 4, ROUND POLE	AMERCIAN ELECTRIC LIGHTING ATB2-80BLEDE10-MVOLT-R4-SK POLE, MFR= KW #RSP25-5.0-7-NA-DM10-BC
HH ALTERNATE #2/#3	120V	2-F32T8SPX35	SURFACE	4' FLUORESCENT CHANNEL WITH ELECTRONIC BALLAST, WIRE GUARD RATED FOR WET LOCATION	LITHONIA VR1-2-32-_-MVOLT-GEB10IS-WLF

NOTE:
EQUAL MANUFACTURER SHALL BE ACCEPTABLE WITH EQUAL PERFORMANCE OF SPECIFIED EQUIPMENT AND APPROVED BY ENGINEER.
SUBMIT EQUAL MANUFACTURERS TO ENGINEER 10 DAYS PRIOR TO BID DATE.
SUBMIT LIGHT FIXTURES CUTSHEETS TO OWNER FOR APPROVAL PRIOR TO ORDER.

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Texas Registered Engineering Firm - F10682
Project number:13.2.39

PROJECT NAME: HIDALGO COUNTY – PRECINCT 2 NEW VEHICLE MAINTENANCE FACILITY

PROJECT LOCATION: SOUTH 11" ROAD PHARR, TEXAS 78577

PROJECT OWNER'S: HIDALGO COUNTY 2812 SOUTH BUSINESS 281, EDINBURG, TEXAS 78539

MARK	DATE	DESCRIPTION
-	- - -	- - -
-	- - -	- - -
-	- - -	- - -
-	- - -	- - -
-	- - -	- - -
-	- - -	- - -
-	- - -	- - - CONSTRUCTION DOCUMENTS

PROJECT NO: 13012
CAD DWG FILE: 13.2.39
DRAWN BY: TRINITY CAD
CHECKED BY: L.M.

SHEET TITLE: ELECTRICAL LEGEND/SCHEDULES

E401

DISCONNECT SCHEDULE

LABEL	DESCRIPTION
AHU-1,2,3	100AMP, 1Ø, 3W, N1,208V, S/N, N.F., H.D. DISCONNECT
AHU-4	30AMP, 1Ø, 3W, N1,208V, S/N, N.F., H.D. DISCONNECT
CU-1,2,3,4	30AMP, 1Ø, 3W, N3R,208V, S/N, H.D. FUSED DISCONNECT

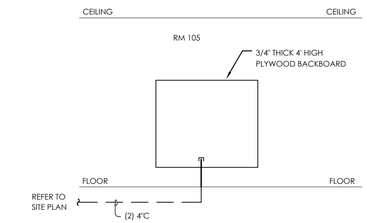
NOTE: 1. REFER TO BREAKER SIZE FOR FUSE SIZE.

OCCUPANCY SENSOR LEGEND

SYMBOL	HUBBELL MODEL NUMBER	COMMENTS
OS4	OMNI-DT2000	PROVIDE POWER PACK(#MP POWER PACK) POSITIONED AS DIRECTED BY MANUFACTURER. PROVIDE AN ADDITIONAL SLAVE PACK FOR DUAL LEVEL CONTROL. FOR DUAL LEVEL APPLICATION PROVIDE #MPSA, POWER PACK AND SLAVE RELAY. REFER TO PLANS FOR DUAL LEVEL SWITCHING, CLASSROOMS AND OFFICES.
OS5	OMNI-DT500	PROVIDE POWER PACK(#MP POWER PACK) POSITIONED AS DIRECTED BY MANUFACTURER.
OS6	OMNI-US2000	PROVIDE POWER PACK(#MP POWER PACK) POSITIONED AS DIRECTED BY MANUFACTURER.
OS3	OMNI-US500	PROVIDE POWER PACK(#MP POWER PACK) POSITIONED AS DIRECTED BY MANUFACTURER.
$OS2	LH-MT-S1	
$OS1	LH-IR-S1	

GENERAL NOTES:
A. CONTRACTOR SHALL REFER TO MANUFACTURERS INSTRUCTIONS AND WIRING DIAGRAMS PRIOR TO BID DATE.
B. CONTRACTOR SHALL INCLUDE ALL COST IN BID FOR AN OPERABLE LIGHTING SYSTEM.
NOTES:

1. All sensor locations are approximate, refer to manufacturers installation instructions prior to installation.
2. Ultrasonic ceiling mount sensors should be located a minimum of six feet from HVAC supply/return vents.
3. Contractor is responsible for: proper sensitivity & time delay settings (for non-adaptive products) recommended placement, and field verification of circuits with in respect to power placement.
4. Contractor is responsible for field verification of required number of power packs:
   - One power pack is required for each circuit to be controlled.
   - One power pack is required for every three sensors in the zone.
   - If multiple circuits are to be controlled by a sensor, an auxiliary relay can be used in conjunction with the power pack.
   - The maximum number of sensors that can be put on a power pack is to be reduced by one for each slave pack used.
5. Sensors mounted over the door must be placed one foot inside the threshold.
6. Contractor is responsible for ensuring that the sensor bill of materials complies with the sensor design and layout specifications.
7. Contractor is responsible for installing equipment in compliance with local code.
8. Refer to manufacturers wiring diagrams.



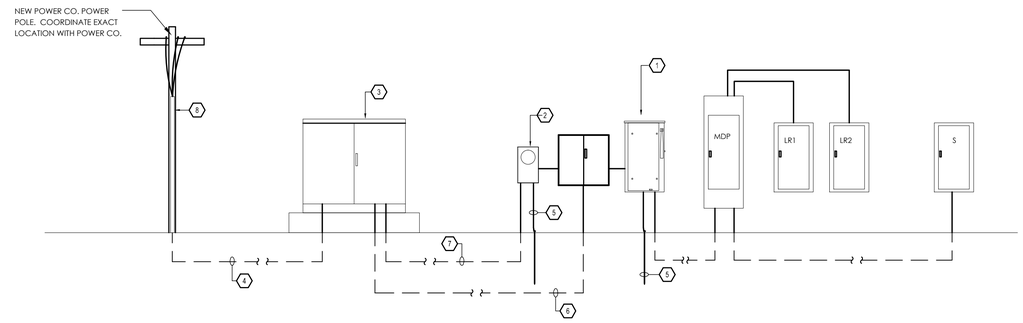
2 TELE/DATA RISER
SCALE: NTS

GENERAL NOTES:

A. PROVIDE GROUND /BONDING AS INDICATED ON THE NATIONAL ELECTRICAL CODE.
B. NAME PLATES SHALL BE PROVIDED FOR ALL ELECTRICAL SWITCH GEAR, PANEL BOARDS, LIGHTING CONTACTORS, LIGHTING CONTROL PANELS, ETC.. BY ELECTRICAL CONTRACTOR.
C. NEW ELECTRICAL METERING AND SERVICE EQUIPMENT SHALL BE PROVIDED AND INSTALLED ACCORDING TO THE LOCAL POWER UTILITY CO. AND CITY REQUIREMENTS. VERIFY AND COORDINATE WITH POWER UTILITY CO. AND AHJ BEFORE BID AND INSTALLATION.
D. COMPLY WITH NFPA 70E SAFETY REQUIREMENTS.
E. PANELBOARDS WITH MORE THAN 42 CIRCUITS SHALL BE IN ONE CABINET ENCLOSURE, UNLESS OTHERWISE NOTED.
F. PROVIDE 4"CONCRETE PAD FOR ALL DRY-TYPE TRANSFORMERS.
G. ALL TWO SECTION PANELBOARDS SHALL BE FEED THRU LUGS.
H. CONTRACTOR SHALL BE RESPONSIBLE FOR DELIVERY OF ELECTRICAL SERVICE TO THE NEW BUILDING WITHIN PROJECT SCHEDULE. COORDINATE ALL COST FOR LABOR AND MATERIALS WITH LOCAL ELECTRICAL UTILITY COMPANY PRIOR TO BID. ALL COST ASSOCIATED WITH THE DELIVERY OF ELECTRICAL SERVICE INCLUDING ALL MATERIALS SHALL BE INCLUDED IN BID. TRANSITION OF NEW ELECTRICAL SERVICE SHALL PROCEED IN WEEKENDS OR HOLIDAYS, INCLUDE ALL COST IN BID FOR OVERTIME FROM ELECTRIC UTILITY COMPANY. NO ADDITIONAL PAYMENT WILL BE MADE FOR SERVICE DELIVERY COSTS AFTER CONTRACT HAS BEEN AWARDED.

ELECTRICAL RISER
DIAGRAM KEYED NOTES:

1. 800AMPS, 240V, 1Ø, 3W, S/N, N3R, HEAVY DUTY FUSED DISCONNECT, FUSED@800AMPS.
2. NEW ELECTRICAL SERVICE METER 120/240V, 1Ø, 3W. CONTRACTOR SHALL COORDINATE ALLOCATION OF METER, METER SOCKETS AND WIRING WITH POWER COMPANY.
3. NEW POWER COMPANY PAD MOUNT TRANSFORMER 120/208V, 3Ø, 4W, PROVIDE CONCRETE PAD AS PER POWER COMPANY REQUIREMENTS.
4. FURNISH AND INSTALL 1-4"C FOR UTILITY PRIMARY RACEWAY TO POWER SOURCE AS DIRECTED BY UTILITY COMPANY. PROVIDE WARNING RIBBONS 12" ABOVE CONDUIT.
5. 1 #2/0G, 3/4"X10' COPPER CLAD RODS. PROVIDE GROUNDING AS PER NEC REQUIREMENTS.
6. 2-RUNS EACH 4#350KCMIL, 4"C.
7. 1-2"C WITH PULLSTRING.
8. NEW POWER COMPANY POLE WITH RISER DIP POLE. COORDINATE WITH POWER COMPANY FOR ALL REQUIREMENTS.



1 ELECTRICAL SCHEMATIC DIAGRAM
SCALE: NTS

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Texas Registered Engineering Firm - F10282
Project number:13.2.39

PROJECT NAME: HIDALGO COUNTY – PRECINCT 2
NEW VEHICLE MAINTENANCE FACILITY

PROJECT LOCATION: SOUTH 17' ROAD
PHARR, TEXAS 78577

PROJECT OWNER'S: HIDALGO COUNTY
2812 SOUTH BUSINESS HWY 281, EDINBURG, TEXAS 78539

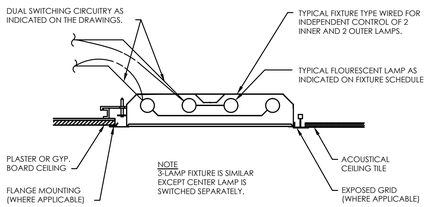
MARK	DATE	DESCRIPTION
--	--	-- CONSTRUCTION DOCUMENTS

PROJECT NO: 13012
CAD DWG FILE: 13.2.39
DRAWN BY: TRINITY CAD
CHECKED BY: L.M.

SHEET TITLE
ELECTRICAL RISER/SCHEDULES

E501

01



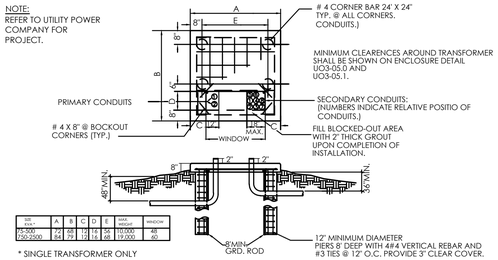
DUAL CIRCUIT FIXTURE WIRING

NO SCALE

02

SLAB REINFORCING SHALL BE #4 BARS ON 10' CENTER EACH WAY 3" MIMIMUM CONCRETE COVER. ALL CONCRETE TO BE AT LEAST 3,000 PSI STRENGTH. PLACE WITH SLUMP REANGE OF 4" TO 5". ALL REINFORCING SHALL BE ASTM A615 GRADE 60.

NOTE:
REFER TO UTILITY POWER COMPANY FOR PROJECT.



KVA (NOM.)	A	B	C	D	E	MAX. WEIGHT	WINDOW
75-250	74	68	15	19	56	150,000	48
300-2500	64	72	13	18	48	17,000	60

* SINGLE TRANSFORMER ONLY

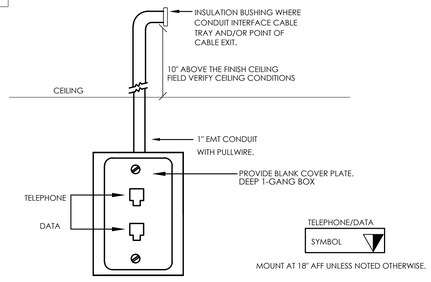
NOTE: CONCRETE POURED IN PLACE. COORDINATE WITH AEP PRIOR TO COMMENCING ANY WORK.

TRANSFORMER PAD

NO SCALE

WHERE SOIL IS FOUND TO BE TOTALLY BEDROCK, SHALE OR HARDPAN, THICKEN SLAB TO 12" MINIMUM AND DELETE DRILLED PIER.

03

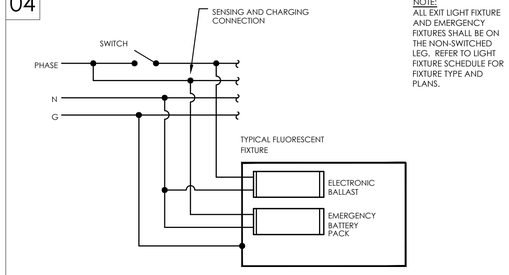


TELEPHONE/ DATA DETAIL

NO SCALE

04

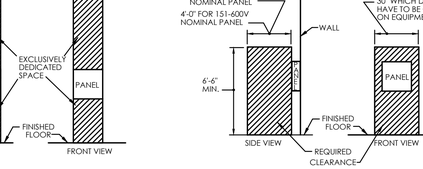
NOTE:
ALL EXIT LIGHT FIXTURE AND EMERGENCY FIXTURES SHALL BE ON THE NON-SWITCHED LEG. REFER TO LIGHT FIXTURE SCHEDULE FOR FIXTURE TYPE AND PLANS.



TYPICAL EMERGENCY LIGHT FIXTURE SCHEMATIC

NO SCALE

05



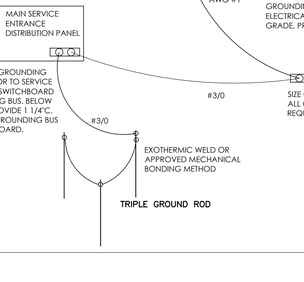
NOTE:
FOR MECHANICAL TERMINAL UNITS, REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE

EQUIPMENT CIRCUIT DETAIL

NO SCALE

06

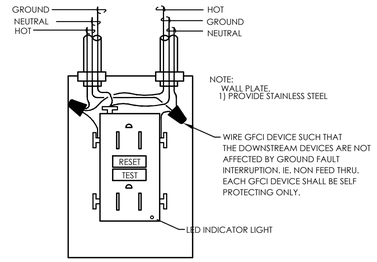
NOTE:
VERIFY WITH DIVISION-15 FOR THERMOSTAT LOCATION AND HEIGHT.



SWITCH PLATE LOCATION DETAIL

NO SCALE

07



GFI RECEPTACLE- WIRING DIAGRAM

NO SCALE

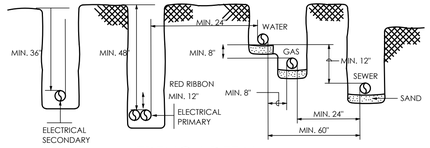
08

CLEAR TRENCH OF ALL ROCKS AND DEBRIS BEFORE ADDING SAND CUSHION.

COMPACT TRENCH FILL TO 95% PROCTOR DENSITY.

MAINTAIN A MINIMUM OF 60 INCHES UNDISTURBED EARTH BETWEEN PARALLEL WATER AND SEWER LINES OR SUPPORT WATER LINE ON SEPARATE SHELF A MINIMUM OF 12" ABOVE SEWER LINE.

MAINTAIN A MINIMUM OF 24" HORIZONTALLY BETWEEN ELECTRICAL PRIMARY AND SEWER. MAINTAIN A MINIM OF 12" VERTICALLY OR 24" HORIZONTALLY BETWEEN ELECTRICAL PRIMARY AND WATER LINES. GAS LINES, TELEPHONE RACEWAYS AND CABLE RACEWAYS.



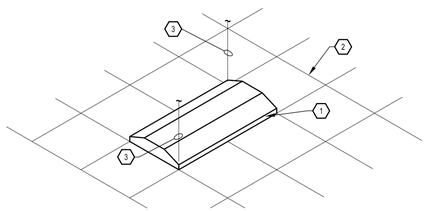
TRENCH DETAIL

NO SCALE

09

KEYED NOTES:

1. 2'x 4' LAY-IN FLUORESCENT FIXTURE
2. SUSPENDED CEILING
3. TIE WIRE, CONNECT TO ALL FOUR CORNERS OF FIXTURE TO TOP OF STRUCTURE, INDEPENDENT OF CEILING SUPPORTS.

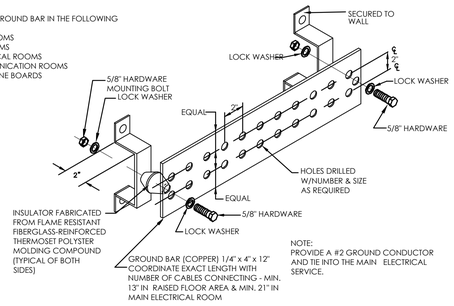


TYPICAL LAY-IN FIXTURE SUPPORT

NO SCALE

10

PROVIDE GROUND BAR IN THE FOLLOWING ROOMS:
1. MDF ROOMS
2. IDF ROOMS
3. ELECTRICAL ROOMS
4. COMMUNICATION ROOMS
5. TELEPHONE BOARDS

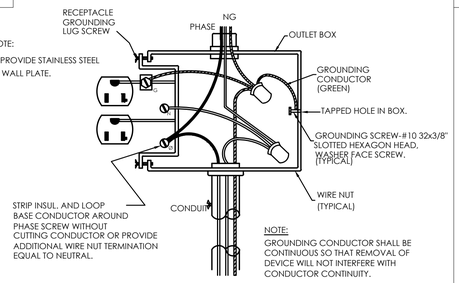


NOTE:
PROVIDE A #2 GROUND CONDUCTOR AND TIE INTO THE MAIN ELECTRICAL SERVICE.

WALL MOUNTED SINGLE-POINT GROUND BAR DETAIL

NO SCALE

11

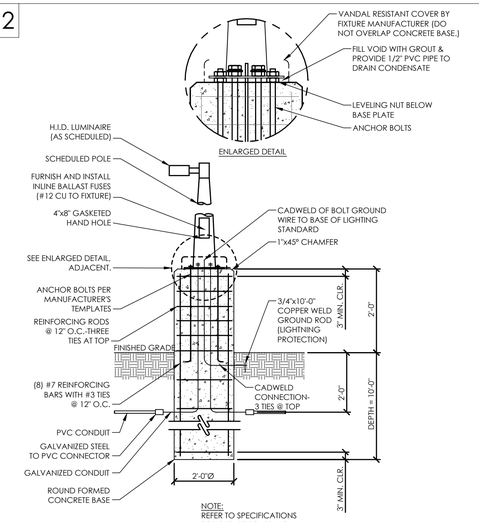


NOTE:
GROUNDING CONDUCTOR SHALL BE CONTINUOUS SO THAT REMOVAL OF DEVICE WILL NOT INTERFERE WITH CONDUCTOR CONTINUITY.

TYPICAL RECEPTACLE GROUNDING DETAIL

NO SCALE

12



NOTE:
REFER TO SPECIFICATIONS FOR FIXTURE SCHEDULE.

PARKING LOT LIGHT POLE BASE

NO SCALE

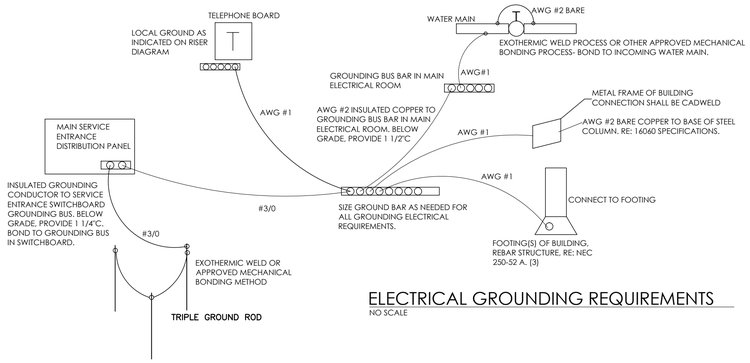
13

NOTE:
REFER TO THE LATEST NATIONAL ELECTRICAL CODE AND LOCAL CODES.

TYPICAL PANEL BOARD REQUIRED CLEARANCE

NO SCALE

14



ELECTRICAL GROUNDING REQUIREMENTS

NO SCALE

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Texas Registered Engineering Firm - F10262
Project number: 13.2.39

PROJECT NAME: HIDALGO COUNTY – PRECINCT 2 NEW VEHICLE MAINTENANCE FACILITY

PROJECT LOCATION: SOUTH "I" ROAD PHARR, TEXAS 78577

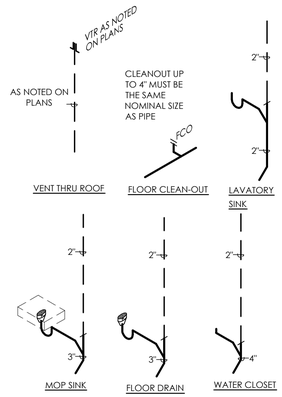
PROJECT OWNER: HIDALGO COUNTY 2812 SOUTH BUSINESS HWY 281, EDINBURG, TEXAS 78539

MARK	DATE	DESCRIPTION
---	---	--- CONSTRUCTION DOCUMENTS

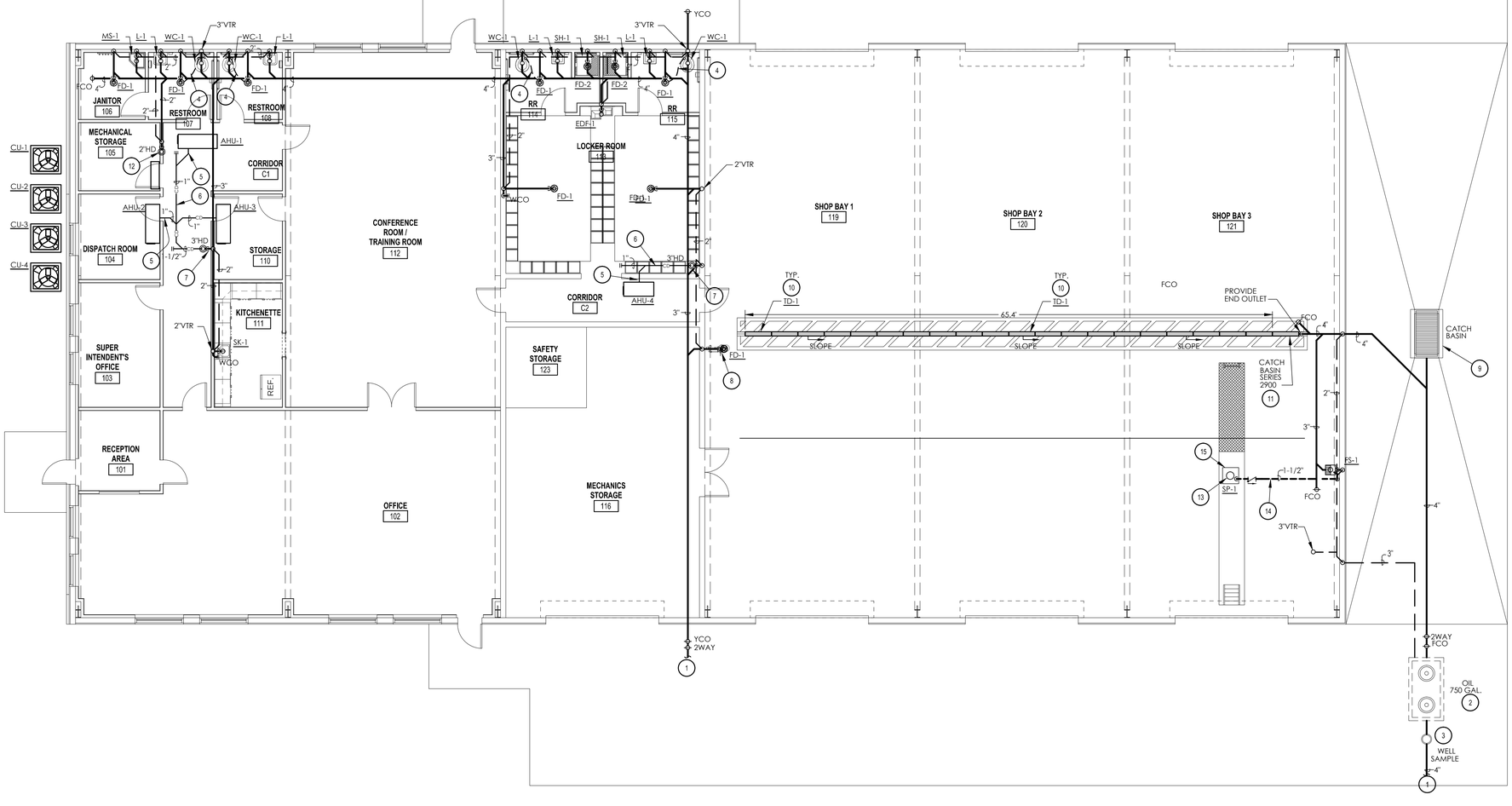
PROJECT NO:	13012
CAD DWG FILE:	13.2.39
DRAWN BY:	TRINITY CAD
CHECKED BY:	L.M.

SHEET TITLE: ELECTRICAL DETAILS

E701



SEWER & VENT
05 TYPICAL RISER SCHEMATICS
NOT TO SCALE



SEWER & VENT
1 PLUMBING PLAN
1/8" = 1'-0"

KEYED NOTES: PLUMBING

1. REFER TO CIVIL ENGINEERING PLANS FOR CONTINUATION OF PLUMBING FIVE FEET AWAY FROM BUILDING. PLUMBER TO MAKE FINAL CONNECTION TO SEPTIC SYSTEM DRAINAGE FIELD. SIZE AND LOCATION TO BE DETERMINATE BY CIVIL ENGINEER/SEPTIC SYSTEM DESIGNER AS APPROVED BY HIDALGO COUNTY HEALTH DEPARTMENT.
2. PLUMBER TO PROVIDE SEDIMENT AND OIL SEPARATOR EQUAL TO PARK MODEL NO. SOCMP-750 WITH FRAME & COVER, H-20 TRAFFIC RATING. REFER TO MANUFACTURE'S SPECS AND DETAILS FOR INSTALLATION. SEDIMENT AND OIL SEPARATOR TO BE INSTALLED AND COMPLY WITH LOCAL CODE.
3. SAMPLE WELL EQUAL TO PARK ENVIRONMENTAL EQUIPMENT MODEL NO. SWB154.
4. 1/2" COPPER FROM TRAP PRIMER COVER WITH POLYETHYLENE SLEEVE "POLY SLEEVE" OR EQUAL. PROVIDE FLUSHVALVE TRAP SEAL PRIMER EQUAL TO SLOAN VBF-72-A. SEE DETAIL.
5. COPPER CONDENSATE LINE FROM AHU, COORDINATE ROUTING WITH HVAC CONTRACTOR.
6. COPPER CONDENSATE LINE. PROVIDE 1/2" INSULATION AND 1/8" SLOPE, TYPICAL FOR ALL CONDENSATE LINES.
7. HUB DRAIN ABOVE CEILING FOR CONDENSATE DRAIN FROM AHU'S. PROVIDE ACCESS PANEL IF INACCESSIBLE. PROVIDE 1/2" INSULATION.
8. EMERGENCY SHOWER AND EYE WASH UNIT PROVIDED AND INSTALLED BY PLUMBER. SEE DETAIL.
9. PROVIDE A 48"x72" CATCH BASIN BY PARK MANUFACTURER MODEL NUMBER "GIVCC-35". PROVIDE WITH CAST IRON GRATE RATED FOR VEHICULAR TRAFFIC RATING.
10. (TD-1) PROVIDE PRE-ENGINEERED TRENCH DRAIN EQUAL TO POLYDRAIN BY ABT OR EQUAL. PROVIDE REINFORCED GALVANIZED STEEL SLOTTED GRATES MODEL 2422.19 , INSTALL AS PER MANUFACTURER'S RECOMMENDATION. COORDINATE INSTALLATION WITH THE STRUCTURAL PLANS AND SPECIFICATIONS FOR THE FOUNDATION.
11. PROVIDE POLYDRAIN SERIES 2900 CATCH BASIN WITH TRASH BUCKET AND FOUL AIR TRAP. PROVIDE REINFORCED GALVANIZED STEEL SLOTTED GRATES MODEL 2422.19 , INSTALL AS PER MANUFACTURER'S RECOMMENDATION. COORDINATE INSTALLATION WITH THE STRUCTURAL PLANS AND SPECIFICATIONS FOR THE FOUNDATION.
12. PROVIDE 2"HUB DRAIN FOR FAN COIL UNIT, WITH DEEP SEAL P-TRAP, IN WALL, ALONG WITH DRAIN KIT, TRAP PRIMER AND 8X8 UNIVERSAL ACCESS DOOR EQUAL TO MIFAB SERIES UA. REFER TO DETAIL.
13. SUMP PUMP (SP-1), REFER TO DETAIL.
14. ROUTE SUMP PUMP DRAIN LINE BELOW SLAB AND RISE NEAR WALL NEXT TO FLOOR SINK SHOWN. DRAIN LINE INDIRECTLY INTO FLOOR SINK. PROVIDE 1" AIR GAP MINIMUM.
15. 24"X24"X24" SUMP-PUMP PIT . PLUMBING CONTRACTOR SHALL COORDINATE SUMP PUMP PIT REQUIREMENTS WITH STRUCTURAL ENGINEER. REMOVABLE GRATE SHALL BE PROVIDED BY PLUMBING CONTRACTOR.

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Project number: 13.2.39

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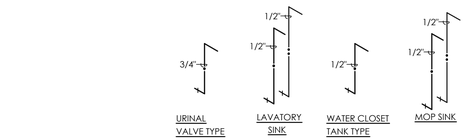
PROJECT OWNER: HIDALGO COUNTY 2812 SOUTH BUSINESS 281, EDINBURG, TEXAS 78539

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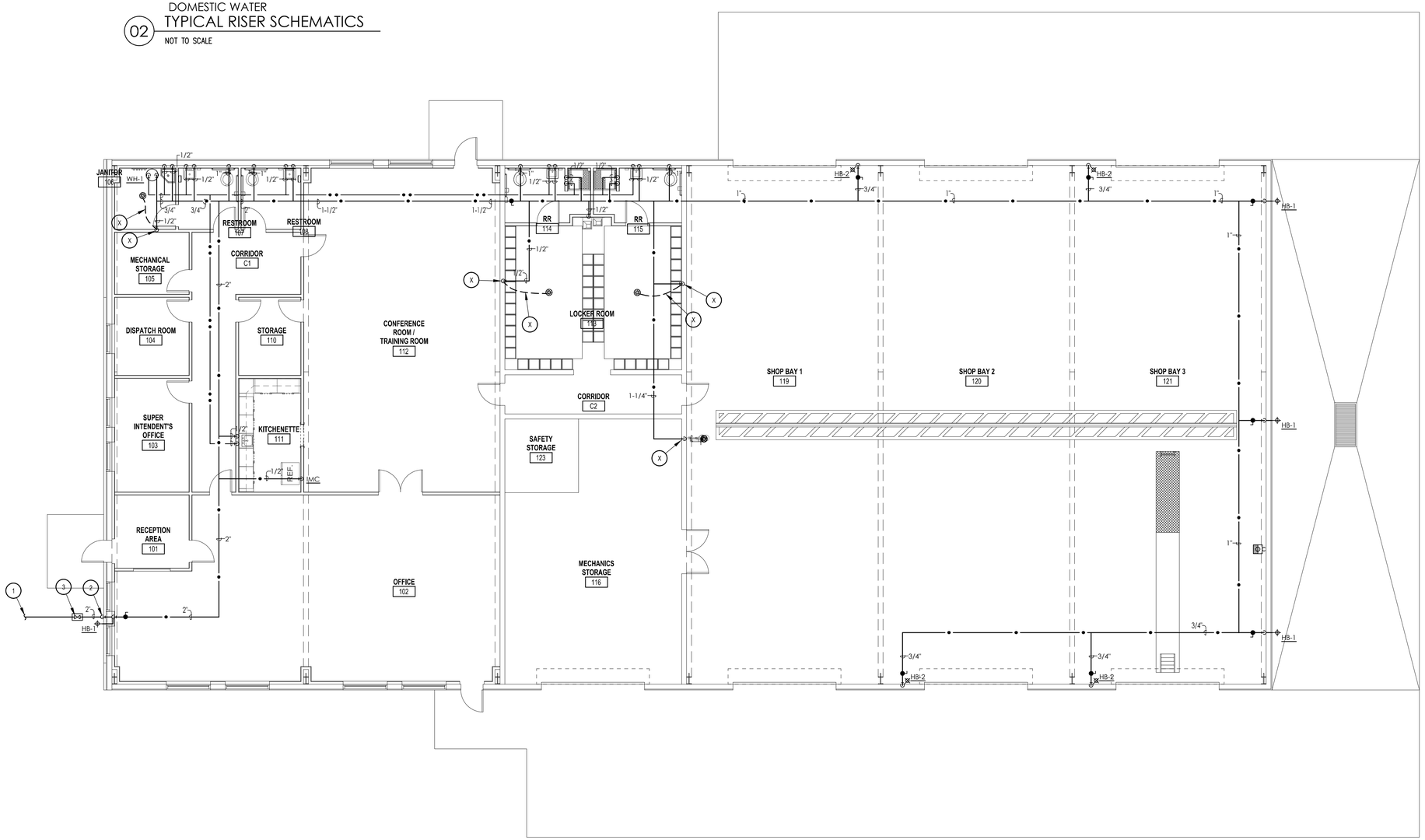
PROJECT NO: 13012
CAD DWG FILE: 13.2.39
DRAWN BY: TRINITY CAD
CHECKED BY: L.M.

SHEET TITLE: SEWER & VENT PLUMBING PLAN

P101



DOMESTIC WATER
02 TYPICAL RISER SCHEMATICS
NOT TO SCALE



DOMESTIC WATER
1 PLUMBING PLAN
1/8" = 1'-0"

KEYED NOTES: PLUMBING

1. REFER TO CIVIL SITE PLAN FOR CONTINUATION OF PIPE.
2. WATER SERVICE ENTRANCE. REFER TO DETAIL.
3. CUT-OFF VALVE IN CAST IRON BOX. SET BOX FLUSH WITH FINISHED GRADE.

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Texas Registered Engineering Firm - F10362
Project Number: 13.2.39

PROJECT NAME
HIDALGO COUNTY - PRECINCT 2
NEW VEHICLE MAINTENANCE FACILITY

PROJECT LOCATION
SOUTH "I" ROAD
PHARR, TEXAS 78577

PROJECT OWNER
HIDALGO COUNTY
2812 SOUTH BUSINESS HWY 281,
EDINBURG, TEXAS 78539

MARK	DATE	DESCRIPTION
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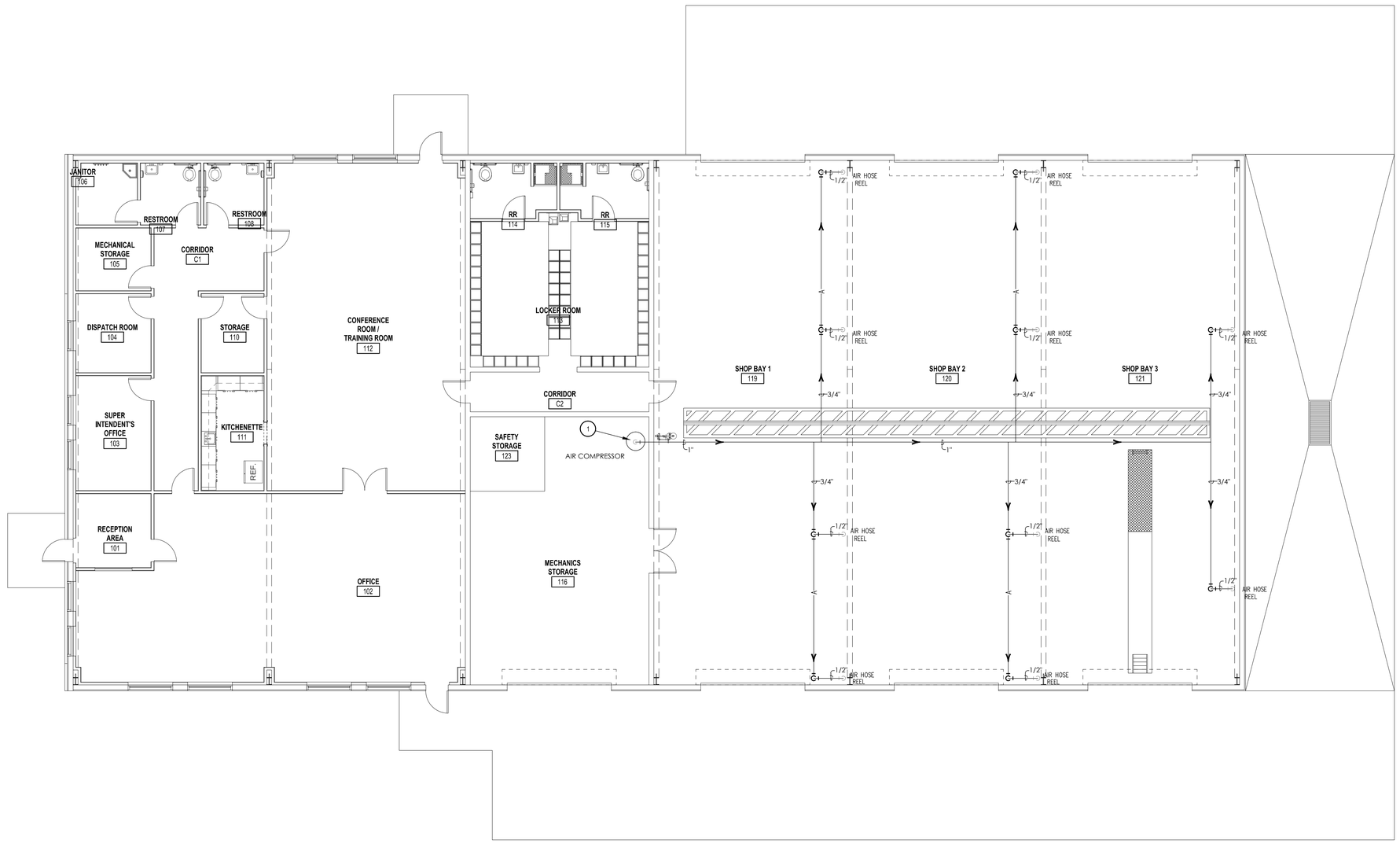
PROJECT NO: 13012
CAD DWG FILE: 13.2.39
DRAWN BY: TRINITY CAD
CHECKED BY: L.M.

SHEET TITLE
DOMESTIC WATER PLUMBING PLAN

P201

KEYED NOTES: PLUMBING

1 INGERSOLL RAND TYPE 30 COMPRESSOR (10HP, 230/3; MODEL# 2545K10V). FURNISHED BY OWNER INSTALLED BY CONTRACTOR.



1 COMPRESSED AIR PLUMBING PLAN

1/8" = 1'-0"

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Project Number: 13.2.39

PROJECT NAME: HIDALGO COUNTY - PRECINCT 2 NEW VEHICLE MAINTENANCE FACILITY

PROJECT LOCATION: SOUTH "I" ROAD PHARR, TEXAS 78577

PROJECT OWNER: HIDALGO COUNTY 2812 SOUTH BUSINESS HWY 281, EDINBURG, TEXAS 78539

MARK	DATE	DESCRIPTION
--	--	-- CONSTRUCTION DOCUMENTS

PROJECT NO: 13012
CAD DWG FILE: 13.2.39
DRAWN BY: TRINITY CAD
CHECKED BY: L.M.

SHEET TITLE: COMPRESSED AIR PLUMBING PLAN

P301

PLUMBING GENERAL NOTES: (ALL SHEETS)

A. ALL WORK AND MATERIAL SHALL BE IN COMPLIANCE WITH ALL APPLICABLE CODES AS ADAPTED AND AMENDED BY THE INSPECTING AUTHORITIES.

B. ALL PLUMBING WORK SHALL BE INSTALLED SO AS TO AVOID CONFLICT WITH ALL ELECTRICAL WORK, MECH'L WORK AND STRUCTURAL MEMBERS. COORDINATE WITH MECHANICAL, ELEC'L AND STRUCTURAL FOR PROPER CLEARANCES. CONTRACTOR SHALL COORDINATE AND ESTABLISH A SEQUENCE OF INSTALLATION WITH OTHER TRADES WORKING ON THE PROJECT.

C. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR PHASING AND SEQUENCE OF CONSTRUCTION OF WORK.

D. SLEEVE ALL OUTSIDE WALL, FLOOR SLAB, AND GRADE BEAM PENETRATIONS PER DETAILS AND PER CODE.

E. LOCATE ALL PLUMBING VENTS TO ROOF (VTR) SO THAT THEY TERMINATE A MINIMUM OF 1'-0" AWAY FROM ANY VERTICAL SURFACE AND 10'-0" AWAY FROM ANY OUTSIDE AIR INTAKES.

F. RECORD INVERT ELEVATIONS OF ALL YCO'S ON "AS-BUILT" DRAWINGS.

G. ALL SANITARY SEWER PIPING 4" AND LARGER SHALL BE INSTALLED AT 1/8" PER FT. MINIMUM. ALL SANITARY SEWER PIPING 3" AND SMALLER SHALL BE INSTALLED AT 1/4" PER FT. MINIMUM.

H. PLUMBING CONTRACTOR SHALL PAY FOR ALL UTILITY CONNECTIONS FEES, PERMITS, TESTS AND INSPECTIONS, FURNISH 3 COPIES OF INSPECTION CERTIFICATE BEFORE REQUESTING FINAL PAYMENT. PLUMBING CONTRACTOR TO BE RESPONSIBLE FOR COORDINATION, VERIFICATION AND CONNECTION OF ALL UTILITIES TO SITE UTILITY STUB-OUTS. REFERENCE ASSOCIATED ARCHITECTURAL, ELECTRICAL, MECHANICAL, STRUCTURAL, KITCHEN AND CIVIL DRAWINGS FOR RELATED INFORMATION.

I. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING AND REPAIRING ALL AREAS WHICH ARE DAMAGED BY HIS OPERATIONS.

J. CUTTING OF CONCRETE FLOORS SHALL BE BY MACHINE SAW. HOLES FOR PIPES (WALL OR FLOOR) SHALL BE DONE WITH CORE DRILLING EQUIPMENT WITH PRIOR APPROVAL FROM THE STRUCTURAL ENGINEERS.

K. PRESSURE TEST ALL INSTALLATIONS PRIOR TO CONNECTING EQUIPMENTS.

L. LABEL ALL PIPING PER ANSI STANDARD.

M. INSULATE ALL PIPING AS STATED IN SPECIFICATIONS.

N. INSTALL SHUT-OFF VALVES (STOPS) AND PIPING UNIONS AT EACH PIECE OF EQUIPMENT, PLUMBING FIXTURES, AND BRANCHES TO FIXTURE GROUPS. VALVES SHALL BE LOCATED IN AN ACCESSIBLE LOCATION, OR ACCESS PANELS PROVIDED AS NECESSARY.

O. PROVIDE ANY BACK FLOW PREVENTION DEVICE REQUIRED BY CODE OR GOVERNING AUTHORITIES. CONTRACTOR SHALL VERIFY THIS WITH CITY OR LOCAL AGENCIES AND INCLUDE COST OF SAME IN BID. CONTRACTOR TO HAVE BACK FLOWS CERTIFIED.

P. PROVIDE SINGLE FIXTURE WATER HAMMER ARRESTORS EQUAL TO MINI-RESTER SIOUX CHIEF. FOR ALL PLUMBING FIXTURES IN THE WATER SUPPLY SYSTEM.

Q. ALL EXPOSED PIPING FOR DESIGNATED DISABLED ACCESS FIXTURES SHALL BE COVERED OR OTHERWISE WRAPPED IN ACCORDANCE WITH A.D.A. REQUIREMENTS AND LOCAL AUTHORITY.

R. ALTERNATE MATERIALS NOT IDENTIFIED IN SPECIFICATIONS/DRAWINGS BUT APPROVED BY LOCAL AUTHORITY SHALL BE SUBMITTED TO ARCHITECT AND PLUMBING ENGINEER FOR REVIEW PRIOR TO INSTALLATION.

S. ISOMETRIC DIAGRAMS ARE FOR SIZING PURPOSES ONLY AND SHALL NOT BE USED FOR MATERIAL TAKE-OFFS, OR BE CONSTRUED TO INDICATE ACTUAL SITE INSTALLATION.

T. DRAWING IS SCHEMATIC IN NATURE AND SHOW THE GENERAL LAYOUT OF THE PLUMBING SYSTEM. CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF PIPING, DEVICES AND EQUIPMENT WITH BUILDING ELEMENTS AND THE WORK OF OTHER TRADES.

U. EVERY FLOOR DRAIN, FLOOR SINK OR HUB DRAIN SHALL BE SERVED BY AN AUTOMATIC TRAP PRIMER.

V. MINIMUM 3" WASTE LINE BELOW FLOOR AND MINIMUM 2' WASTE RISER. UNLESS NOTED OTHERWISE (UNO).

PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE TYPE	CONNECTION SIZE				DESCRIPTION
		San. Sewer	Vent	Cold Water	Hot Water	
WC-1	WATER CLOSET FLOOR MOUNTED ADA	4"	2"	1"	-	CRANE "HYMONT" MODEL NO. 3H701, FLOOR MOUNTED WATER CLOSET, WITH ELONGATED RIM, 17-1/4" RIM HEIGHT, VITREOUS CHINA, SIPHON JET FLUSH ACTION 10"- 12" ROUGH-IN, WITH SLOAN "ROYAL" FLUSHVALVE MODEL NUMBER 111, INCLUDES 1-1/2" TOP SPUD AND 2 BOLT CAPS, WITH "BENEKE" OPEN FRONT SEAT LESS COVER MODEL 533SS, FLUSH LEVER SHALL BE MOUNTED ON APPROACH SIDE OF FIXTURE.
UR-1	URINAL (STANDARD & HANDICAPPED) REFER TO ARCH'L DRAWING FOR MOUNTING HEIGHTS	2"	2"	3/4"	-	CRANE "MANHATTAN" SIPHON JET WALL HUNG URINAL, VITREOUS CHINA, 1 GPF FLUSH OR LESS, COMPACT DESIGN, WITH INTEGRAL TRAP, 3/4" TOP INLET, 1/4" LIP, INCLUDES WALL HANGERS, 2" IPS OUTLET FLANGE AND RUBBER GASKET. WITH SLOAN "ROYAL" FLUSHOMETER VALVE MODEL NO. 186-1. PROVIDE ZURN CARRIER SYSTEM MODEL NO. Z-1221.
L-1	LAVATORY WALL HUNG HANDICAPPED REFER TO ARCH'L DRAWING FOR MOUNTING HEIGHTS	2"	2"	1/2"	1/2"	CRANE "HARWICH" MODEL NO. 1412V (20x18) WALL HUNG LAVATORY, WITH ANTI-SPLASH RIM AND HIGH BACK. CONCEALED FRONT OVERFLOW, INCLUDES WALL HANGER. VITREOUS CHINA, WITH FAUCET HOLES ON 4" CENTERS. PROVIDE FAUCET EQUAL TO MOEN MODEL 8413, SINGLE HANDLE, VANDAL RESISTANT, ADA APPROVED. PROVIDE PROTECTIVE COVER ON P-TRAP AND STOPS.
SK-1	STAINLESS STEEL SINK HANDICAPPED	2"	2"	1/2"	1/2"	SINGLE COMPARTMENT STAINLESS STEEL SINK BY ELKAY MODEL NO. LRAD1720-60 SELF RIMMING, TOP MOUNT WITH STAINLESS STEEL MOUNTING CHANNELS, 18 GAUGE TYPE 302 CENTERED REAR DRAIN, COMPLETE WITH MOEN TW0-HANDLE KITCHEN FAUCET MODEL NO. 8799. PROVIDE LKADOS CHROME PLATED BRASS OFFSET TAILPIECE FOR WHEELCHAIR USE.
SH-1	BUILT-IN SHOWER HANDICAPPED	2"	2"	1/2"	1/2"	SHOWER SYSTEM EQUAL TO BRADLEY MODEL NO. HN300 BARRIER FREE SHOWER UNIT, INCLUDES FIXED DIRECTION ADJUSTABLE SPRAYHEAD, DIVERTER VALVE, HAND-HELD SHOWER SPRAY, 2.0 GPM FLOW CONTROL, L-SHAPED GRAB BAR, BARRIER-FREE SEAT, SHOWER CURTAIN, ROD AND HOOKS
EDF-1	ELECTRIC WATER COOLER REFER TO ARCH'L DRAWING FOR MOUNTING HEIGHTS	2"	2"	1/2"	-	BI-LEVEL ELECTRIC WATER COOLER SHALL BE "ELKAY" MODEL NO. EZSTL-8-C,WITH CAPACITY OF 8.0 GALLONS, STAINLESS STEEL BASIN WITH INTEGRAL DRAIN GRID AND EMBOSSED BUBBLER PAD, LEAD FREE ADA COMPLIANT, WITH ZURN CARRIER MODEL NO. Z-1225, WITH APRON MODEL NO. LKAPR-EZL TO COMPLY WITH TAS AND ADA.
MS-1	MOP SINK	3"	2"	1/2"	1/2"	FIAT MODEL NO. TSBCR 1000, NEO-CORNER TERRAZO MOP SINK, COMPLETE WITH FAUCET MODEL 830-AA, MOP SINK SHALL INCLUDE ALL HOSE BRACKETS, HOSE, AND MOP HANGER. WITH 3" DRAIN WITH STRAINER & DEEP SEAL P-TRAP, PROVIDE WALL GUARD MSG2424.
HB-1	HOSE BIB EXTERIOR GENERAL USE	-	-	3/4"	-	MILD TEMPERATURE WALL HYDRANT SHALL BE WADE MODEL 8600MT-175 3/4" INLET WITH BRONZE CASING, BRONZE FACE AND STRAIGHT INLET CONNECTION WITH INTEGRAL BACKFLOW PREVENTER.
HB-2	WALL FAUCET INTERIOR HOSE BIB	-	-	3/4"	-	WOODFORD MODEL 26 P-3/4" INLET, WITH BACKFLOW PREVENTER AND LOOSE TEE KEY.
ESEW	EMERGENCY SHOWER AND EYEWASH	3"	2"	1-1/4"	-	EQUAL TO BRADLEY MODEL NO. S19310BF.
IMC	ICE MAKER CONNECTION BOX	-	-	1/2"	-	CONNECTION BOX EQUAL TO GUY GRAY NO. BIM875 PREFABRICATED RECESSED BOX WITH COMPRESSION ANGLE VALVE.
FS-1	FLOOR SINK	AS NOTED ON PLANS				EQUAL TO JOSAM PART # 49303-3-31-Z-55, 8" SQUARE A.R.E. TOP, WITH 5-7/8" DEEP SUMP, WITH DRAINAGE FLANGE, 1/2 GRATE, ALUMINUM SEDIMENT BUCKET, 1/2" PRIMER TAP.
FD-1	RESTROOM FLOOR DRAIN	AS NOTED ON PLANS				EQUAL TO JOSAM PART # 30003-6A-Y-50, CAST IRON BODY WITH CLAMP RING, FLANGE, ADJUSTABLE NIKALOY STRAINER, HUB OUTLET WITH GASKET AND 1/2" PRIMER TAP.
FD-2	SHOWER FLOOR DRAIN	AS NOTED ON PLANS				EQUAL TO JOSAM PART # 30002-6A-Y-50, CAST IRON BODY WITH CLAMP RING, FLANGE, ADJUSTABLE NIKALOY STRAINER, HUB OUTLET WITH GASKET AND 1/2" PRIMER TAP.
FD-3	TRACTOR GRATE FLOOR DRAIN	AS NOTED ON PLANS				EQUAL TO JOSAM PART # 30003-7E-Y-50, COATED CAST IRON BODY WITH CLAMP RING, TWO PIECE BODY WITH DOUBLE DRAINAGE FLANGE, WITH 7" TRACTOR GRATE STRAINER AND 1/2" PRIMER TAP. HUB OUTLET WITH GASKET.

PLUMBING SYMBOL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	BALL VALVE		DOMESTIC COLD WATER
	CHECK VALVE		DOMESTIC HOT WATER
	GATE VALVE		DOMESTIC HOT WATER RETURN
	UNION		SANITARY SEWER VENT
	DIRECTION OF FLOW		SANITARY WASTE LINE
	WALL CLEANOUT	140°	140° HOT WATER
	FLOOR CLEANOUT YARD CLEANOUT		SANITARY DIRECTION OF FLOW
	FLOOR SINK		BRANCH - TOP CONNECTION
	FLOOR DRAIN		PIPE RISER
	WALL HYDRANT OR HOSE BIBB		PIPE DROP
			POINT OF CONNECTION (APPROXIMATED FIELD VERIFY EXACT POINT OF CONNECTION)

NOTE: 1. NOT ALL SYMBOLS USED ON THIS PROJECT
2. INSTALL WATER CLOSET FLUSH VALVE HANDLE TOWARDS WIDER SIDE OF WATER CLOSET OR DOOR OPENING.
3. INSTALL ADA APPROVED FLUSH VALVE HANDLE FOR ADA PLUMBING FIXTURES.

ABBREV.	DESCRIPTION
AC	ABOVE CEILING
AFF	ABOVE FINISHED FLOOR
ASA	AMERICAN STANDARDS ASSOCIATION
ASME	AMERICAN SOICIETY OF MECHANICAL ENGINEERS
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS
AW	ACID WASTE
AWWA	AMERICAN WATER WORKS ASSOCIATION
AV	ACID VENT
BTUH	BRITISH THERMAL UNIT PER HOUR
CA	COMPRESSED AIR
CI	CAST IRON
CO	CLEANOUT
CU	COPPER
DN	DOWN
EQ	EQUAL
FCO	FLOOR CLEANOUT
FF	FINISH FLOOR
FG	FINISH GRADE
FH	FIRE HYDRANT

ABBREV.	DESCRIPTION
GAL	GALLON(S)
GALV	GALVANIZED
GW	GREASE WASTE
HB	HOSE BIBB
HP	HORESPOWER
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
RD	ROOF DRAIN(S)
RE:4/P6	REFER TO DETAIL 4 DRAWING P-6
RO	REVERSE OSMOSIS
SD	STORM DRAIN
SPEC	SPECIFICATION
TYP	TYPICAL
UG	UNDERGROUND
UL	UNDERWRITERS LABORATORIES
VTR	VENT THRU ROOF
V	VACUUM
W/	WITH
WCO	WALL CLEAN OUT
YCO	YARD CLEAN OUT

SUMP PUMP SCHEDULE

MARK	MANUFACTURER	MODEL	TYPE	GPM	HEAD (FT.)	MOTOR			CONNECTIONS	
						HP	RPM	VOLTAGE	SUCTION	DISCHARGE
SP-1	ZOELLER	53	SUBMERSIBLE	33	10	1/3	1550	120/1/60	N/A	1-1/2"

NOTES:
1. PROVIDE CHECK VALVE, NORMAL LEVEL FLOAT SWITCH, AND HIGH WATER FLOAT SWITCH.

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p.956.973.0500 I f.956-351-5750
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Texas Registered Engineering Firm - F10682
Project Number: 13.2.39

PROJECT NAME: HIDALGO COUNTY - PRECINCT 2 NEW VEHICLE MAINTENANCE FACILITY

PROJECT LOCATION: SOUTH "I" ROAD PHARR, TEXAS 78577

PROJECT OWNER: HIDALGO COUNTY 2812 SOUTH 10TH ST, EDINBURG, TEXAS 78539

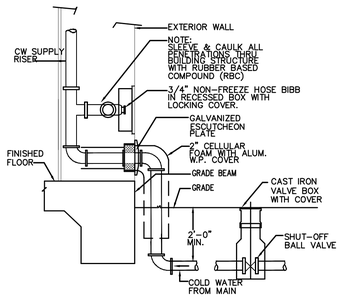
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-	-	-
-	-	-
-	-	-

PROJECT NO: 13012
CAD DWG FILE: 13.2.39
DRAWN BY: TRINITY CAD
CHECKED BY: L.M.

SHEET TITLE
PLUMBING SCHEDULES

P401

01



WATER SERVICE ENTRANCE DETAIL

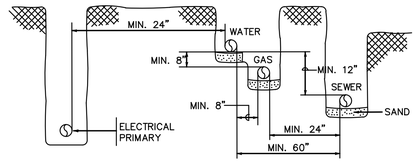
NO SCALE

02

CLEAR TRENCH OF ALL ROCKS AND DEBRIS BEFORE ADDING SAND CUSHION.

COMPACT TRENCH FILL TO 95% PROCTOR DENSITY.

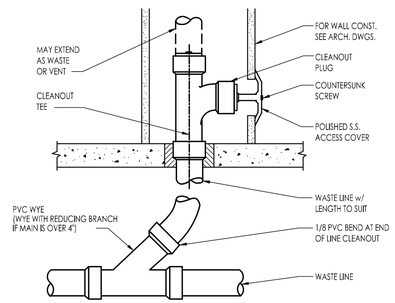
MAINTAIN A MINIMUM OF 60 INCHES UNDISTURBED EARTH BETWEEN PARALLEL WATER AND SEWER LINES OR SUPPORT WATER LINE ON SEPARATE SHELF A MINIMUM OF 12" ABOVE SEWER LINE. MAINTAIN A MINIMUM OF 24" HORIZONTALLY BETWEEN ELECTRICAL PRIMARY AND SEWER. MAINTAIN A MINIM OF 12" VERTICALLY OR 24" HORIZONTALLY BETWEEN ELECTRICAL PRIMARY AND WATER LINES, GAS LINES, TELEPHONE RACEWAYS AND CABLE RACEWAYS.



TRENCHING DETAIL

NO SCALE

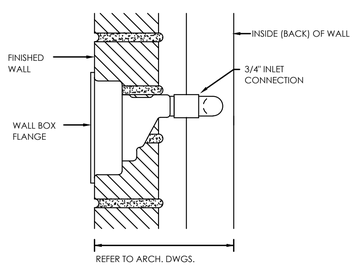
03



WALL CLEANOUT DETAIL

NO SCALE

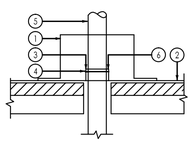
04



WALL HYDRANT DETAIL

NO SCALE

05

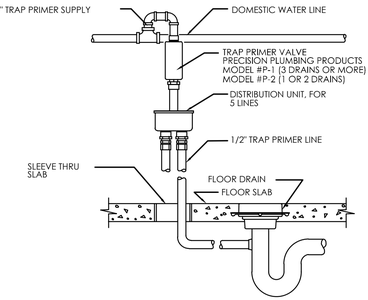


1. PREFABRICATED ROOF CURB. FURNISHED & INSTALLED BY ROOFING CONTR. (COORDINATE)
2. METAL ROOFING
3. STAINLESS STEEL CLAMP
4. SLEEVE PIPE BY ROOFING CONTR.
5. VTR
6. PROVIDE CAULKING GROVE
7. LOCATE MIN. 10'-0" FROM A/C AIR INTAKES

VENT THRU ROOF DETAIL

NO SCALE

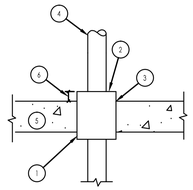
06



TRAP SEAL PRIMER DETAIL

NO SCALE

07

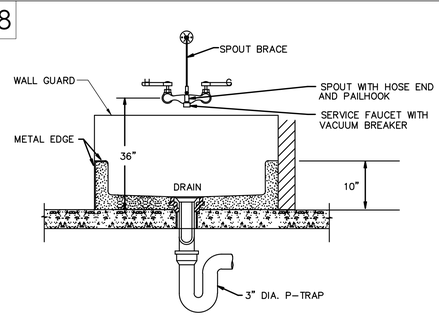


1. METAL SLEEVE TWO SIZES LARGER THAN PIPE
2. FILL VOID WITH NON-SHRINKING WATERPROOF, VERMIN PROOF MATERIAL
3. ALL PLUMBING PIPE PENETRATIONS THROUGH GROUND FLOOR, AND GRADE BEAMS SHALL BE SLEEVED
4. PIPE
5. CONCRETE SLAB
6. MINIMUM 2"

FLOOR PENETRATION DETAIL

NO SCALE

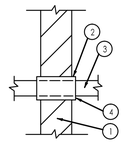
08



MOP SINK DETAIL

NO SCALE

09

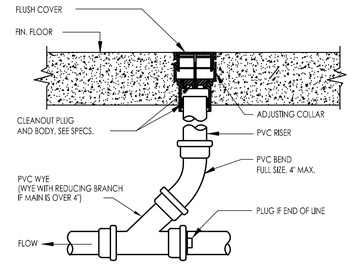


1. MASONRY WALL
2. GALVANIZED SCHEDULE 40 STEEL OR COPPER SLEEVE, SIZE TO BE MINIMUM 3/8" LARGER IN DIAMETER THAN PIPE AND INSULATION.
3. PLUMBING PIPE (RELIER LINES, DOMESTIC WATER, AIR, AND GAS PIPING).
4. FILL VOID WITH MINERAL WOOL AND CAULK VERMIN TIGHT.

WALL SLEEVE DETAIL

NO SCALE

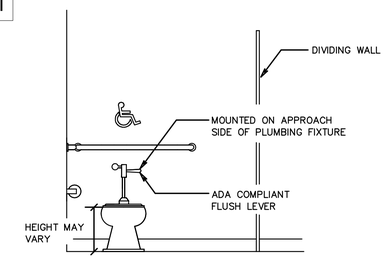
10



FLOOR CLEANOUT DETAIL

NO SCALE

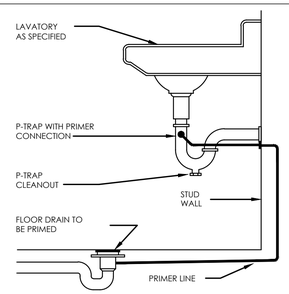
11



ADA WATER CLOSET DETAIL

NO SCALE

12

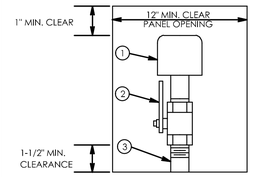


TRAP SEAL PRIMER INSTALLATION DETAIL

NO SCALE

13

1. WATER HAMMER ARRESTOR, SIZE AS PER MANUFACTURER'S SIZING TABLE.
2. BALL VALVE, SAME NOMINAL SIZE AS PIPE BRANCH. OPENING IN BALL VALVE TO MATCH PIPE I.D.
3. PIPE SAME SIZE AS BRANCH LINE TO WHICH IT IS ATTACHED.



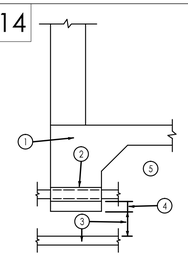
NOTE: PROVIDE REDUCER IF REQUIRED BETWEEN VALVE AND WATER HAMMER ARRESTOR.

DIMENSIONS FOR MIN. PANEL SIZE AND OPENING IF WATER HAMMER ARRESTOR IS LOCATED IN WALL. LOCKING PANEL COLOR TO BE DETERMINED BY ARCHITECT.

WATER HAMMER ARRESTOR DETAIL

NO SCALE

14

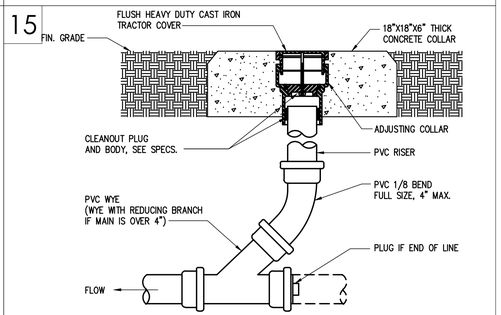


1. GRADE BEAM
2. GALVANIZED SCH 40 STEEL SLEEVE. SIZE PER SPECS. CENTER PIPE IN SLEEVE.
3. PIPING PASSING HORIZONTALLY UNDER GRADE BEAM SHALL BE LOCATED A MINIMUM OF 6" BELOW BEAM. PROVIDE A SLEEVE.
4. PIPING PASSING HORIZONTALLY THROUGH GRADE BEAM SHALL BE LOCATED NO LESS THAN 6" ABOVE BOTTOM OF BEAM.
5. COORDINATE LOCATIONS OF PIPING IN 3,4,5 ABOVE AS REJIEVING ARCHES OR ADDITIONAL CONCRETE MAY BE REQUIRED TO MAINTAIN STRUCTURAL INTEGRITY OF BEAM.

GRADE BEAM SLEEVE DETAIL

NO SCALE

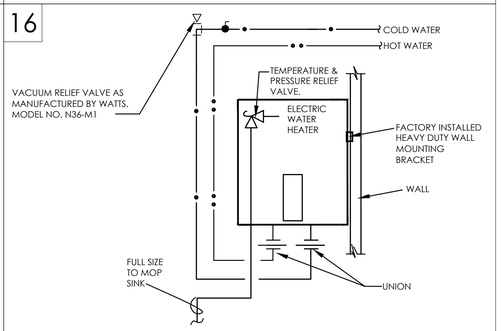
15



YARD CLEANOUT DETAIL

NO SCALE

16



WALL MOUNTED ELECTRIC WATER HEATER

NO SCALE

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Project number 13.2.39

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PROJECT LOCATION: SOUTH "I" ROAD PHARR, TEXAS 78577

PROJECT OWNER: HIDALGO COUNTY 2812 SOUTH BUSINESS 281, EDINBURG, TEXAS 78539

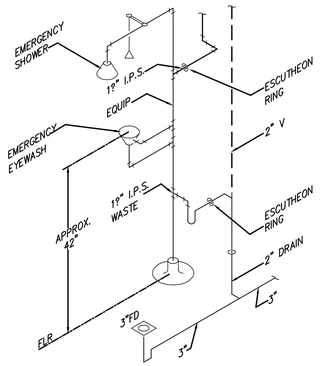
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-	-	-- CONSTRUCTION DOCUMENTS

PROJECT NO:	13012
CAD DWG FILE:	13.2.39
DRAWN BY:	TRINITY CAD
CHECKED BY:	L.M.

SHEET TITLE: PLUMBING DETAILS

P501

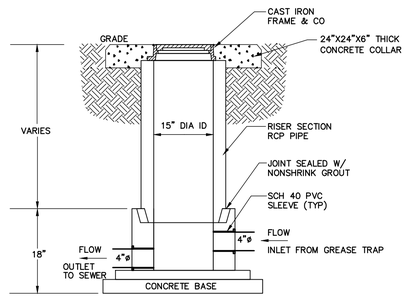
01



FREE STANDING SAFETY SHOWER

NO SCALE

02



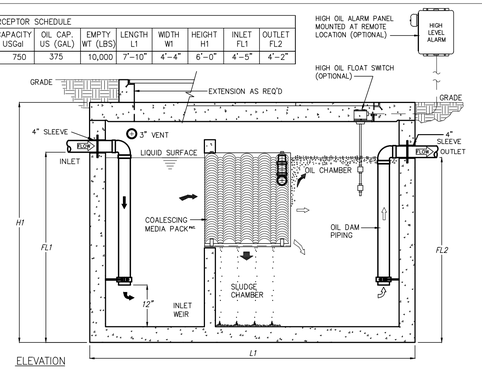
SAMPLE WELL BASIN

NO SCALE

03

SAND-OIL INTERCEPTOR SCHEDULE

MODEL NO.	CAPACITY USGal	OIL CAP. US (GAL)	EMPTY WT (LBS)	LENGTH L1	WIDTH W1	HEIGHT H1	INLET FL1	OUTLET FL2
SOCMP-750	750	375	10,000	7'-10"	4'-4"	6'-0"	4'-5"	4'-2"

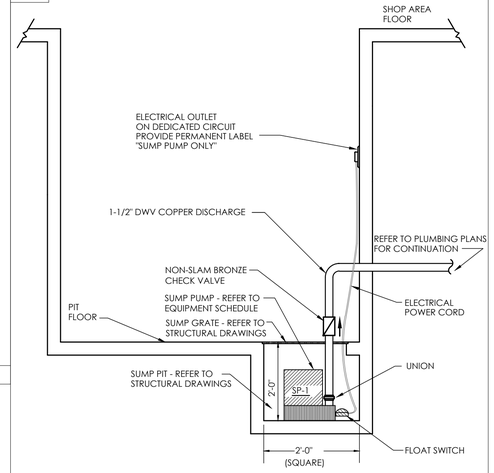


ELEVATION

SAND-OIL SEPARATOR SOCMP

NO SCALE

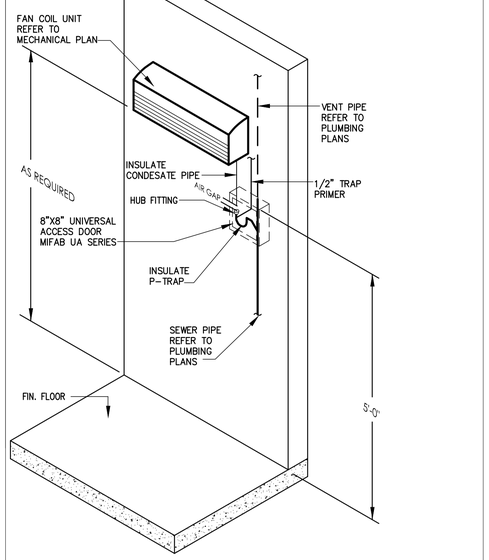
04



PIT SUMP PUMP

NO SCALE

05



CONDENSATE DRAIN DETAIL

NO SCALE

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Texas Registered Engineering Firm - F10682
Project number: 13.2.39

PROJECT NAME
HIDALGO COUNTY - PRECINCT 2
NEW VEHICLE MAINTENANCE FACILITY

PROJECT LOCATION
SOUTH "I" ROAD
PHARR, TEXAS 78577

PROJECT OWNER
HIDALGO COUNTY
2812 SOUTH BUSINESS HWY 281, EDINBURG, TEXAS 78539

MARK	DATE	DESCRIPTION
--	--	-- CONSTRUCTION DOCUMENTS

PROJECT NO: 13012
CAD DWG FILE: 13.2.39
DRAWN BY: TRINITY CAD
CHECKED BY: L.M.

SHEET TITLE
PLUMBING DETAILS

P502

CONSTRUCTION DOCUMENTS
PROJECT MANUAL

HIDALGO COUNTY PRECINCT 2
VEHICLE MANTENANCE FACILITY
BUILDING
EDINBURG, TEXAS

OWNER:
HIDALGO COUNTY
2042 NORTH DOOLITTLE ROAD
EDINBURG, TEXAS 78542

ERO PROJECT NO. 13012
CSP No: 2013-096A-1-0-02-MSS
DATE: OCTOBER 15, 2013

ERO ARCHITECTS, LLP
ARCHITECTURE - ENGINEERING
300 SOUTH 8TH STREET
MCALLEN, TEXAS 78501

SECTION 00 01 07
SEALS PAGE

ERO ARCHITECTS
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ARCHITECT: ELI R. OCHOA, A.I.A.

TRINITY MEP ENGINEERING, PLLC
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ENGINEER: LEONARDO MUNOZ P.E., R.M.E.
FIRM NO. F-

CLH ENGINEERING, INC.
STRUCTURAL ENGINEERING
701 SOUTH 15TH STREET
MCALLEN, TEXAS 78501
ENGINEER: CLOROMIRO HINOJOSA, P.E.

END OF SEALS PAGE

SECTION 00 01 10

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OWNER PROVIDED CIVIL SPECIFICATIONS ARE INCLUDED AT THE END OF THIS PROJECT MANUAL.

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00 01 07 - Seals Page

00 01 10 - Table of Contents

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Advertisement
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Exhibit C, Insurance Requirements
Exhibit D, CIQ Conflict of Interest Questionnaire
Exhibit E, Proposer's Affidavit
Certification Regarding Debarment
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County Forms Submittal Check List

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00 21 13 - Instructions to Bidders

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00 52 00 - Agreement Form

00 72 00 - General Conditions

00 82 00 - Wage Rate

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01 40 00 - Quality Requirements

01 42 16 - Definitions

01 50 00 - Temporary Facilities and Controls
01 60 00 - Product Requirements
01 70 00 - Execution and Closeout Requirements
01 78 00 - Closeout Submittals
01 79 00 - Demonstration and Training

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Division 03 -- Concrete

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03 20 00 - Concrete Reinforcing (Hinojosa)
03 30 00 - Cast-in-Place Concrete (Hinojosa)
03 39 00 - Concrete Curing (Hinojosa)

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04 05 11 - Masonry Mortaring and Grouting (CLH Engineers)
04 20 00 - Unit Masonry (CLH Engineers)
04 20 00 - Unit Masonry (ERO Architects)
04 72 00 - Cast Stone Masonry

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05 12 00 - Structural Steel (CLH Engineering)
05 50 00 - Metal Fabrications (CLH Engineering)

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06 16 43 - Gypsum Sheathing

Division 07 -- Thermal and Moisture Protection

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07 84 00 - Firestopping
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08 33 23 - Overhead Coiling Doors
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10 44 00 - Fire Protection Specialties

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Division 11 -- Equipment (NOT USED)

Division 12 -- Furnishings (NOT USED)

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12 36 00 - Countertops

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Division 14 -- Conveying Equipment (NOT USED)

Division 21 -- Fire Suppression (NOT USED)

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22 05 00 - Plumbing Specialties

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26 28 18 - Enclosed Switches
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31 31 16 - Termite Control (CLH Engineering)

Division 32 -- Exterior Improvements

32 17 23.13 - Painted Pavement Markings
32 31 13 - Chain Link Fences and Gates

Division 33 -- Utilities (NOT USED)

Division 34 -- Transportation (NOT USED)

CIVIL SPECIFICATIONS FOLLOWS DIVISION 31 -- Earthwork:

END OF TABLE OF CONTENTS

PURCHASING DEPARTMENT
County Of Hidalgo

October 28, 2013

_____

_____

_____

_____

Re: **HIDALGO COUNTY PRECINCT No. 2 "Construction of a New Vehicle Maintenance Facility"** BID No. -2013-096A-11-13-MSS

Dear Ladies/Gentlemen:

Enclosed please find a Request for Bid (RFB) packet for your review and consideration.

Hidalgo County Purchasing Department welcomes and appreciates your participation in the bid process.

If any further assistance is required, please do not hesitate to call the Purchasing Department 956/318-2626.

Sincerely,

Martha L. Salazar, CPPB
Hidalgo County Purchasing Agent

MLS/mss

Enclosures

2812 S. Business Highway 281 ★ Edinburg, Texas 78539 ★ (956) 318-2626 ★ Fax (956) 318-2629

Hidalgo County Purchasing Department
2812 S. Business Highway 281
Edinburg, Texas 78539
(956) 318-2626/ Fax: (956) 318-2629

HIDALGO COUNTY PRECINCT No. 2
"Construction of a New Vehicle Maintenance Facility"
BID No. -2013-096A-11-13-MSS

TABLE OF CONTENTS –for COUNTY'S FRONT END DOCUMENTS

Item	Description	No. of Pages
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10.	Vendor/Bidder Application and W-9 form	6
11.	County Forms Submittal Check List	1

The above mentioned items shall be found in this RFB packet. Should you find that any of the items are not attached in its entirety please contact Purchasing by calling (956) 318-2626, advise of missing documentation, and Purchasing will forward information either through facsimile or by U.S. Mail.

Thank you.

REQUEST FOR BIDS (RFB)

HIDALGO COUNTY PRECINCT No. 2

"Construction of a New Vehicle Maintenance Facility"

BID No. -2013-096A-11-13-MSS

Acceptance Date: **November 13, 2013**

Martha L. Salazar, CPPB, Purchasing Agent
Hidalgo County Purchasing Department

Project Buyer Contact Information:

Moises Salazar, Buyer III
(956) 292-7000 Ext. 4863
moises.salazar@co.hidalgo.tx.us

Form HCPD-03

1. Sealed bids will be received for **"HIDALGO COUNTY PRECINCT NO. 2 - CONSTRUCTION OF A NEW VEHICLE MAINTENANCE FACILITY"** in accordance with the specifications attached as Exhibit "A" hereto. Bids should address all specifications set forth. Bidders may suggest substitutions of features which they feel would be in the best interest of Hidalgo County ("County"). Strong rationale must be presented for any deviation from the specifications. Hidalgo County reserves the right to reject the deviation and its effect on the overall bid.

2. One (1) original and three (3) copies of all bids are required with the bidders name and return address clearly typed/printed on upper left hand corner and the proper notation clearly typed/printed on the lower left hand corner of the envelope and/or package: **"BID-2013-096A-11-13-MSS- HIDALGO COUNTY PRECINCT NO. 2- CONSTRUCTION OF A NEW VEHICLE MAINTENANCE FACILITY"** and in County's Purchasing Department, physical address: 2802 S. Business Hwy 281, mailing address 2812 S. Business 281 New Administration Building,, Edinburg, Texas, **on or before 3:00 p.m., WEDNESDAY, November 13, 2013.**

   NO FACSIMILES OR LATE ARRIVALS WILL BE ACCEPTED. ANY RFB RECEIVED AFTER THAT TIME WILL NOT BE OPENED AND WILL BE RETURNED. OVERNIGHT MAIL MUST ALSO BE PROPERLY LABELED ON THE OUTSIDE OF EXPRESS ENVELOPE OR PACKAGE WITH REFERENCE TO "REQUEST FOR BIDS -2013-096A-11-13-MSS- HIDALGO COUNTY PRECINCT NO. 2 -CONSTRUCTION OF A NEW VEHICLE MAINTENANCE FACILITY".

   WRITTEN QUESTIONS WILL BE ACCEPTED. Written RFI's shall be hand delivered or sent to the office of project architect: ERO Architects to the attention of, Yazmin Perez-Guevara *via e-mail at yperez@goero.com or via fax to (956) 661-0401*. Please call 956-661-0400 to confirm receipt RFI. RFI's will not be answered by phone. NO HAND WRITTEN RFI'S will be answered. All inquiries shall be forwarded by November 06, 2013. Inquiries beyond this date will not be responded. Contact project architect for copies of Addenda. All bidders who paid a deposit will be required to return Addenda as part of the Construction Documents in order to receive full deposit refund.

   Hidalgo County reserves the right to refuse and reject any/all RFB and to waive any/all formalities or technicalities, or to accept the RFB considered the best and most advantageous to Hidalgo County

3. Hidalgo County reserves the right to: A. separate and accept, or eliminate any item(s) listed under this bid that it deems necessary to accommodate budgetary and/or operational requirements; B. reject any or all bids submitted and further reserves the right to design the evaluation criteria to be used in selecting the lowest and best bid for approval; and C. award the bid to one bidder or to multiple bidders if the County determines it is in its best interest to do so."

4. The Bidder shall not substitute items named in the bid without the express written consent of Hidalgo County. Failure of the delivered item(s) to perform as specified, or failure to meet the stated delivery schedule shall release Hidalgo County from all

obligations to the contracting party with regard to the item(s) in question. In such event, County may elect to award the contract to the next-lowest responsible bidder, or to reject all bids and re-advertise.

5. For work to be performed at a County owned or operated location, each bidder shall, in its sole discretion, visit the job site before preparing the bid and thoroughly familiarize himself/herself with existing conditions. Bidder should take field dimensions and note all circumstances which affect the dollar amount of the bid.

6. Descriptive specifications are referenced in this document to indicate the general kind and quality of equipment desired by Hidalgo County. Due to various styles and models of equipment, bidders are required to include illustrations, specifications, explanation of warranties, and service data with their bid including catalogue numbers and any necessary references.

7. No bid may be withdrawn within thirty (30) days from the scheduled time to open bids.

8. Proposed prices are to remain firm for a minimum of ninety (90) days after bid opening.

9. Any interpretations, amendments, corrections or changes to this bid document must be in a written addendum and signed by the County Judge or his designee. Addenda will be mailed to all who are known to have received a copy of the Request for Bids. Bidders shall acknowledge receipt of all addenda as a part of their bid.

10. County reserves the right to accept or reject any or all bids.

11. Costs are to be net F.O.B., County Prepaid.

12. County is exempt from Federal Excise Tax, State Tax and Local Tax. Do Not include tax in cost figure. If it is determined that tax was included in the cost figures it will not be included in the tabulation of any awards. Tax exemption certificates will be furnished upon request.

13. Funds for this procurement have been provided through the County budget for this fiscal year only. County, on an annual basis, has the right to reconsider a contract during the budget process for ensuing years if financial resources of County are insufficient to meet the liabilities of said contract. The award of a bid or contract hereunder will not be construed to create a debt of the County which is payable out of funds beyond the current fiscal year.

14. Upon award and prior to execution of a contract, Sole Proprietorships are required to submit a copy of their social security cards to the Hidalgo County Auditor's Office in order to establish an account with the County. All awarded vendors must submit a completed W-9 and a copy o their Federal ID Number Certificate.

15. DELIVERY INSTRUCTIONS:

- No deliveries accepted after 3:00 P.M., Monday-Friday.
- At least seventy two (72) hours prior notice of delivery must be given to Martha L. Salazar, Purchasing Agent before delivery will be accepted.

- If you need additional information call the office listed below:

Hidalgo County Purchasing Department
Martha L. Salazar, Purchasing Agent
(956) 318-2626

16. BILLING AND PAYMENT INSTRUCTIONS:

- Invoices must include:
  a) Name and address of successful bidder
  b) Name and address of receiving department or official
  c) Purchase Order Number (if any)
  d) Notation - **BID-2013-096A-11-13-MSS- HIDALGO COUNTY PRECINCT NO. 2-"Construction of a New Vehicle Maintenance Facility"** Descriptive information as to the items or services delivered, including product code, item number, quantity, etc.

- Discount payments will be considered when offered.

- Contact person for Billing and Payment questions:

Ray Eufracio, CPA, Hidalgo County Auditor
2802 S. Business Hwy 281
Edinburg, TX 78539
(956) 318-2511

17. Schedule

Pre-Bid Conference,	**3:00 PM**	**November 04, 2013**
Bid Opening,	**3:00 PM**	**November 13, 2013**
Award of Contract		_____, 2013
Commence Work or Deliver Products		_____, 2013

HIDALGO COUNTY APPROVED HOLIDAYS

2013 YEAR	
New Year's Day	12/31/12 and 01/01/13
Martin Luther King Day	01/21/13
President's Day	02/18/13
Good Friday	03/29/13
Easter	04/01/13
Memorial Day	05/27/13
Independence Day	07/04/13
Labor Day	09/02/13
Columbus Day	10/07/13
Veteran's Day	11/11/13
Thanks Giving Day	11/28/13 and 11/29/13
Christmas Day	12/24/13 and 12/25/13

18. Bid or Performance Bond and Debarment Certification; Payment Under Contract:

. If the contract proposed is for the construction of public works or is for a contract for goods & services exceeding $100,000, all bidders shall furnish a good and sufficient bid bond in the amount of five percent of the total contract price. A bid bond must be executed with a surety company authorized to do business in Texas. All bidders are also required to furnish a certification or acknowledgment stating that the contractor or vendor is free from suspension or debarment pursuant to federal regulation 45CFR Part 76.

. Together with the signing of a contract or issuance of a purchase order following the acceptance of a bid, and prior to commencement of the actual work, the bidder shall furnish a performance bond to the County for the full amount of the contract, if that contract exceeds $100,000.

. If the contract is for $50,000 or less, no money will be paid to the contractor until completion and acceptance of the work or the fulfillment of the purchase obligation to the County, and, if applicable, the receipt by County of satisfactory evidence that all subcontractors and material men have been paid.

. If a contract is for the construction, alteration or repair of public buildings or public works, the contractor *shall* provide a payment bond for a contract in excess of Twenty Five Thousand Dollars ($25,000.00), as required by Tex. Govt. Code Ch. 2253.

. For requirements contracts, bond requirements are determined by applying the proposed unit price to the estimated quantities included in the specifications.

19. Ethical Standards:

. It shall be a breach of ethics to offer, give or agree to give any elected official, department head or employee, or former elected official, department head or employee, of the County, or for any elected official, department head or employee or former elected official, department head or employee of the County, to solicit, demand, accept or agree to accept from another person, entity or organization, a gratuity or an offer of employment in connection with any decision, approval, disapproval, recommendation, preparation or any part of a program requirement or purchase request, influencing the content of any specification or procurement standard, rendering of advice, investigation, auditing, or in any other advisory capacity in any proceeding or application, request for ruling, determination, claim or controversy, or other particular matter pertaining to any program requirement or a contract or subcontract, or to any solicitation or proposal therefore pending before any department or agency of the County.

. It shall be a breach of ethics for any payment, gratuity or offer of employment to be made by or on behalf of a subcontractor under a contract to the prime contractor or higher tier subcontractor for any contract for the County, or any person associated therewith, as an inducement for the award of a subcontract or order.

. No public official shall have an interest in a contract awarded hereunder except in accordance with Tex. Loc. Govt. Code Chapter 171.

- NOTICE:

ALL COMMUNICATIONS BY A VENDOR TO THE COUNTY, ITS OFFICIALS, AND DEPARTMENT HEADS REGARDING THIS PROCUREMENT SHALL BE DONE THROUGH THE HIDALGO COUNTY PURCHASING DEPARTMENT.

No vendor, its representative, agent, or employee shall engage in private communication with a member of the Hidalgo County Commissioners Court or county department heads regarding any procurement of goods or services by the County from the date that the Bid, RFP, or RFQ is released. No private communication regarding the purchase shall be permitted until the procurement process is complete and a purchase order is granted or a contract is entered into. Members of the commissioners court are required to make a reasonable effort to inform themselves regarding potential procurements and have a duty to inquire of vendors, their representatives or employees, the nature of any private communication being sought prior to engaging in any communication. "Private Communication" means communication with any vendor outside of a posted meeting of the governing body, a regular meeting of a standing or appointed committee, or a negotiation with a vendor which has been specifically authorized by the governing body.

20. Disclosure of Conflict of Interest

. Effective January 1, 2006, Chapter 176 of the Texas Local Government Code requires that any vendor, person, consultant or contractor considering doing business with Hidalgo County ("the County") to disclose in the Conflict of Interest Questionnaire (the "CIQ") attached as Exhibit D, the vendor, person, consultant or contractor's affiliation or business relationship that might cause a conflict of interest with the County. By law, the CIQ must be filed with the Hidalgo County Clerk's Office no later than the seventh business day after the date the person becomes aware of facts that require that statement to be filed. The disclosure requirement applies to a person or business who contracts or seeks to contract with Hidalgo County for the sale or purchase of property, goods or service. Any purchase order or contract resulting from this process shall be considered null and void if the successful bidder fails to comply with Texas Local Government Code Chapter 176. Vendors, consultants, contractors and others who desire to conduct business with Hidalgo County are encouraged to refer to Texas Local Government Code Chapter 176 for the details of this law. An offense under Texas Local Government Code Chapter 176 is a Class C Misdemeanor.

Please Submit completed CIQ forms to the Hidalgo County Clerk's Office located at 100 N. Closner, Edinburg, Texas 78539-Hidalgo County Courthouse
COMPLETION AND SUBMISSION OF FORM CIQ IS THE SOLE RESPONSIBILITY OF THE PROSPECTIVE BIDDER.

21. If, during the life of any contract or bid awarded, the successful bidder's net prices generally available to other customers for items awarded herein are reduced below the contracted price, it is understood and agreed that the benefits of such reduction shall be extended to County.

22. Bids, and all goods and services provided thereunder, shall comply with all federal, state and local laws concerning this type(s) of goods and/or services

23. Minimum Standards For Responsible Prospective Bidders: A prospective bidder must affirmatively demonstrate bidder's responsibility. A prospective bidder, by submitting a bid, represents to County that it meets the following requirements:

- **Possess and submit a Certificate of Account Status indicating bidder is in "Good Standing" with the Texas Comptroller of Public Accounts if such bidder is incorporated in the State of Texas. If the bidder is not incorporated with the Texas, the bidder must submit the appropriate evidence of filing with the Texas Secretary of State stating that the business is authorized to transact business in Texas.**
- Possess or is able to obtain adequate financial resources as required to perform under the bid;
- Be able to comply with the required or proposed delivery schedule;
- Have a satisfactory record of performance;
- Have a satisfactory record of integrity and ethics;
- Be otherwise qualified and eligible to receive an award.

24. Successful bidder will pay or cause to be paid, without cost or expenses to County, all FICA, FUTA/SUTA and Federal Income Withholding Taxes of all employees, and all wages and benefits as required by Federal or State law. Successful bidder's officers, agents and/or employees will not be entitled to any benefits of an employee or elected official of County, including, but not limited to, benefits associated with County's civil service system.

25. Any contract award to a successful bidder will be in effect until (a) the contract expires, (b) delivery and acceptance of products, and/or performance of services ordered, or (c) terminated by County with thirty day's written notice prior to cancellation.

26. County reserves the right to enforce performance of any contract awarded hereunder in any manner prescribed by law or deemed to be in the best interest of the County in the event of breach or default by successful bidder; County reserves the right to terminate any contract immediately in the event a successful bidder fails to:

A. Meet schedules;
B. Pay any required fees or taxes; or
C. Otherwise perform in accordance with the specifications.

27. Successful bidder shall defend, indemnify and save harmless County and all its elected officials, officers, agents and employees from all suits, actions, or other claims of any character, name and description brought for or on account of any injuries or damages received or sustained by any person, persons, or property on account of any negligent act or fault of the successful bidder, or of any agent, employee, subcontractor or supplier of successful bidder in the execution of, or performance under, any contract which may result from bid award or which arises from any event or casualty happening on or within County premises themselves or happening upon or in any halls, elevators, entrances, stairways or approaches of or to such County facilities. Successful bidder shall pay any judgment with costs which may be obtained against County growing out of such injury or

damages, and shall, upon request, provide a defense to County by counsel reasonably acceptable to County. Successful bidder's indemnity hereunder shall include, but is not limited to, claims relating to patent, copyright or trademark infringement, and the like, arising out of the goods and services provided by successful bidder.

28. Successful bidder shall warrant that all items/services shall conform with the specifications and/or all warranties provided under the Uniform Commercial Code and be free from all defects in material, workmanship and the like. Items supplied under a contract pursuant to this Request for Bids shall be subject to County's approval. Items found to be defective or not meeting specifications shall be replaced by successful bidder within two business days at no expense to County. Items not picked up within one (1) week after notification shall be deemed a donation to County and may be used or disposed of at County's discretion and without waiver of any other rights of County as to the item's nonconformity.

29. ***Vendors hereby assigns to purchaser any and all claims for overcharges associated with this contract which arise under the antitrust laws of the United States, 15 USCA, Section 1 et. seq., and which arise under the antitrust laws of the State of Texas, Bus. & Com. Code, Section 15.01, et. seq.***

30. This document and any disputes arising hereunder shall be governed and construed according to the laws of the State of Texas, and will be performable exclusively in Hidalgo County, Texas.

31. The successful bidder shall not assign, sell, transfer or convey its rights under any awarded contract, in whole or in part, without the prior written consent of County.

BIDDERS ACKNOWLEDGEMENT
Bid for

HIDALGO COUNTY PRECINCT NO. 2

"Construction of a New Vehicle Maintenance Facility"
BID-2013-096A-11-13-MSS

To: Martha L. Salazar, CPPB, Purchasing Agent
Hidalgo County Purchasing Department
2802 S. Bus. Hwy. 281
Edinburg, Texas 78539

In accordance with the Specifications, and subject to all laws and regulations of the United States and state and local laws, the undersigned bidder proposes and commits to furnish all labor, equipment, material, software and services as set forth in the documents hereinbefore mentioned. The undersigned bidder further agrees, upon acceptance of its bid, to execute a contract and/or Purchase Order issued by Hidalgo County for performing and completing the work described in the Specifications within the time stated and for the prices proposed in the documents attached hereto and made a part hereof.

Bidder acknowledges receipt of all of the pages of the documents referenced in the Invitation to Bid Checklist presented in connection with this procurement. Bidder understands that Hidalgo County reserves the right to reject any or all bids and further reserves the right to design the evaluation criteria to be used in selecting the lowest and best bid.

Bidder agrees that this bid shall be good and may not be withdrawn for a period of ninety (90) calendar days after the scheduled closing time for receiving bids, as contained in the Specifications.

Respectfully submitted,

Bidder: _____

Address: _____

By: _____

Printed Name: _____

Title: _____

(This page must be submitted in response)

STATEMENT OF CREDENTIALS

1. GENERAL: In order to assist the Owner in determining the ability of each Bidder to properly fulfill the requirements of this proposed contract, the Bidder will complete the following items. All questions must be answered and the data given must be clear and comprehensive. **This statement must be notarized.** If necessary, questions may be answered on separate attached sheets. The Bidder may submit any additional information he/she desires.

Name of Bidder: _____

Address: _____

_____

Date Organized: _____ Date Incorporated: _____

Office Number: _____ Fax Number: _____

Number of years in business under present name: _____

Type of work performed by your company: _____

_____

Have you ever failed to complete any work awarded to you? _____

Have you ever defaulted on a contract? _____

2. EXPERIENCE: The Bidder will give below a list of similar projects which he/she has completed within the last five (5) years.

1. Owner: _____

Address: _____

Ph/Fx Number: _____ Email: _____

Scope of Work Description: _____

Date Completed: _____Total Cost: _____

****

2. Owner: _____

Address: _____

Ph/Fx Number: _____ Email: _____

Scope of Work Description: _____

Date Completed: _____Total Cost: _____

****

3. Owner: _____

Address: _____

Ph/Fx Number: _____ Email: _____

Scope of Work Description: _____

Date Completed: _____Total Cost: _____

****

4. Owner: _____

Address: _____

Ph/Fx Number: _____ Email: _____

Scope of Work Description: _____

Date Completed: _____Total Cost: _____

****

5. Owner: _____

Address: _____

Ph/Fx Number: _____ Email: _____

Scope of Work Description: _____

Date Completed: _____Total Cost: _____

****

3. CONTRACTS ON HAND: The Bidder shall provide below a list of any contracts/projects he/she currently has on hand:

_____

_____

_____

_____

_____

_____

_____

4. **SUBCONTRACTORS:** List any subcontractors you propose to use on the Hidalgo County's project that will comprise at least 20% of the total project cost. Use additional page if necessary. This information is considered preliminary and may be revised prior if bid is awarded and re-submitted during the pre-construction phase. However, it is expressly understood that the use of any subcontractor other than those listed with bid shall require written approval from Hidalgo County.

   Failure to submit the information as required may result in a disqualification of your bid.

_____

_____

_____

_____

_____

5. **PERFORMANCE OF WORK BY BIDDER:** Except as otherwise provided, the bidder shall perform no less than eighty percent (80%) of the work with his own organization, only twenty percent (20%) of the work may be subcontracted.

   The organization of the specifications into divisions, sections, articles, etc., and the arrangement and titles of project drawings shall not control the Bidder in dividing the work among subcontractors or in establishing the extent of work to be performed by any trade.

   Awarded bidder shall assign a project superintendent who is directly employed by the Bidder, that superintendent will be required to be on the job on a daily basis. No subcontractors will be allowed to act as project superintendents at any point during the construction of said project.

Bidder shall have a significant business presence with the Rio Grande Valley Area, the business must be headquartered in either Hidalgo, Cameron, or Starr County or a local office must be located in either of the three counties (Hidalgo, Cameron, Starr) with at least thirty percent (30%) of the total company workforce employed at the local office. County reserves the right to request payrolls and any necessary documentation to confirm that the local office meets these requirements.

Bidders shall carefully examine the plans, specifications and other documents, visit the site of the work, and fully inform themselves as to all conditions and matters which can affect the work or cost thereof. Should the bidder find discrepancies in, or omissions from the plans, specifications or other documents, or should he/she be in doubt as their meaning, he/she should at once notify the Engineer and obtain clarification by addendum prior to submitting any bid.

Bidder herby certifies that said company carried liability coverage and workers compensation insurance coverage that meets the requirements set forth in this Request for Bids/Proposals when performing work on this project for Hidalgo County.

Furthermore, bidder certifies that any subcontractor on the project shall provide the said company with a certificate relating that all employees of the subcontractor also are provided with workers' compensation insurance coverage. Bidder will provide copies of all of these certificates to Hidalgo County during the course of the project for all subcontractors working on the project.

All subcontractors must comply with federally determined prevailing Davis-Bacon and Related Acts wage rate.

Hidalgo County encourages the hiring of minority women subcontractors and/or suppliers whenever and wherever feasible.

The undersigned hereby authorizes and requests any person, firm, or corporation to furnish any information requested by the owner in verification of the recitals comprising this Statement of Credentials.

Executed this _____ day of _____, 20_____.

_____

By_____

Title_____

Subscribed and sworn to me this _____ day of _____, 20___.

By:_____

Notary Public in and for _____County, Texas

My commission expires _____

EXHIBIT "C"

Insurance Requirements
Applicable to the Acquisition of Goods and /or Services (other than Professional Services)

The Bidder awarded the contract shall furnish proof of insurance, which will also include any subcontractor that is subcontracted by the bidder in at least the following limits, to be in place prior to providing any services under this Contract and to continue at all times in force in effect during the term of this Contract:

1. A Five Hundred Thousand Dollar ($500,000.00) Comprehensive General Liability insurance policy providing additional coverage to all underlying liabilities of County.

2. Automobile liability insurance policy with limits of at least Three Hundred Thousand Dollars ($300,000.00) per person and Five Hundred Thousand Dollars ($500,000.00) per occurrence. Coverage should include injury to or death of persons and property damage claims with limits up to Five Hundred Thousand ($500,000.00) arising out of the services provided to County hereunder.

3. Uninsured/Underinsured motorist coverage in an amount equal to the bodily injury limits set forth immediately above;

4. Workers compensation insurance in amounts established by Texas law, unless the Bidder is specifically exempted from the Texas Workers Compensation Act, Texas Labor Code Chapter 401, et. seq.

Hidalgo County will only accept certificates of insurance on an Acord form (as attached hereto). Certificates of insurance naming County as an additional insured shall be submitted to County for approval prior to any services being performed by Contractor. Each policy of insurance required hereunder shall extend for a period equivalent to, or longer than the term of the Contract, and any insurer hereunder shall be required to give at least thirty (30) days written notice to the County prior to the cancellation of any such coverage on the termination date, or otherwise. This Contract shall be automatically suspended upon the cancellation, or other termination, of any required policy of insurance hereunder, and such suspension shall continue until evidence adequate replacement coverage is provided to County. If replacement coverage is not provided within thirty (30) days following suspension of the Contract, this Contract shall automatically terminate.

ACORD

CERTIFICATE OF INSURANCE

DATE (MM/DD/YY)

PRODUCER

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

INSURERS AFFORDING COVERAGE

INSURED

INSURER A:

INSURER B:

INSURER C:

INSURER D:

INSURER E:

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THER TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
A	**GENERAL LIABILITY** ☐ COMMERCIAL GENERAL LIABILITY ☐ ☐ CLAIMS MADE OCCUR ☐ OWNER'S & CONT. PROT ☐ OWNER'S PROTECTIVE LIABILITY GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY PROJECT ☐ LOC				EACH OCCURRENCE	$
					FIRE DAMAGE (Any one fire)	$
					MED (Any one person)	$
					PERS & ADV INJURY	$
					AL AGGREGATE	$
					ODUCTS – COMP/OP GG	$
B	**AUTOMOBILE LIABILITY** ☐ ANY AUTO ☐ ALL OWNED AUTOS ☐ SCHEDULED AUTOS ☐ HIRED AUTOS ☐ NON-OWNED AUTOS				COMBINED SINGLE LIMIT (Ea accident)	$
					BODILY INJURY (Per person)	$
					BODILY INJURY (Per accident)	$
					PROPERTY DAMAGE (Per accident)	$
	GARAGE LIABILITY ☐ ANY AUTO				AUTO ONLY-EA ACCIDENT	$
					OTHER THAN AUTO ONLY EA ACC	$
					AGG	$
C	**EXCESS LIABILITY** ☐ OCCUR ☐ CLAIMS MADE ☐ DEDUCTIBLE ☐ RETENTION $				EACH OCCURENCE	$
					AGGREGATE	$
						$
						$
						$
D	**WORKERS COMPENSATION AND EMPLOYER'S LIABILIT**				WC STATU-TORY LIMITS ☐ OTHER	
					E.L. EACH ACCIDENT	$
					E.L. DISEASE-EA EMPLOYEE	$
					E.L. DISEASE-POLICY LIMIT	$
	OTHER					

SAMPLE

DESCRIPTION OF OPERATIONS / LOCATION / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS

County of Hidalgo shall be named as additional insured on all Commercial General Liability policies.

CERTIFICATE HOLDER

Hidalgo County
Attn: Purchasing Department
2812 S Highway Bus. 281
Edinburg, Texas 78539

ADDITIONAL INSURED; INSURER LETTER: _____

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BY CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL ***30*** DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE

Insurance Requirement Acknowledgment

I, _____, authorized representative for _____,
Company/Vendor

hereby acknowledge receipt of the County's required insurance limits. Said requirements:

❒ will be acquired within 10 working days after notification from Purchasing Department of bid awarded by the Hidalgo County Commissioners' Court;

❒ will acquire additional amounts required to meet the County's requirements within 10 working days after notification from Purchasing Department of bid award by the Hidalgo County Commissioners' Court; currently carry the following:

Automobile Liability: $_____ General Liability: $_____

❒ have already been met, see attached copy of insurance certificate.

_____ _____.
Authorized Representative Date

Notice to Bidder:
A certificate of insurance for the required insurance limits shall be provided to the Purchasing Department's Contract Managers in order to qualify for award of bid and to execute a contract between your Company and the County

Failure to provide Certificates of Insurance to the Purchasing Department's Contract Managers will cause the bid award to be rescinded and re-awarded to next lowest bidder. Certificates of Insurance will be monitored and verified on a **quarterly basis** to ensure coverage policy is in place. It is the Company's obligation to maintain the appropriate insurance coverage throughout the term of the contract.

THIS FORM MUST ACCOMPANY BID PACKET

PROJECT REQUIREMENTS ACKNOWLEDGMENT

This is to certify that I, _____, possess all of the APPLICABLE:

1. Licenses: _____.
2. Bonds: _____.
3. Certificates: _____.
4. Permits: _____.
5. Other: _____.

necessary to carry out the required project. Furthermore, I am providing copies of the required documentation so that, if my company is awarded this bid, I may be eligible to enter into a contract with Hidalgo County and proceed to complete the project in a timely manner.

* Any licenses, bonds, certificates, permits, etc. which are required must be presented as part of the bid packet in order to expedite the bid evaluation process. Failure to provide said documentation will result in the disqualification of your bid.

_____ _____.
Authorized Signature Date

_____.
Company

_____.
Address

_____.
City, State, Zip

CONFLICT OF INTEREST QUESTIONNAIRE

FORM CIQ

For vendor or other person doing business with local governmental entity

This questionnaire reflects changes made to the law by H.B. 1491, 80th Leg., Regular Session.

This questionnaire is being filed in accordance with Chapter 176, Local Government Code by a person who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the person meets requirements under Section 176.006(a).

By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the person becomes aware of facts that require the statement to be filed. *See* Section 176.006, Local Government Code.

A person commits an offense if the person knowingly violates Section 176.006, Local Government Code. An offense under this section is a Class C misdemeanor.

OFFICE USE ONLY

Date Received

1 **Name of person who has a business relationship with local governmental entity.**

2 ☐ **Check this box if you are filing an update to a previously filed questionnaire.**

(The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date the originally filed questionnaire becomes incomplete or inaccurate.)

3 **Name of local government officer with whom filer has employment or business relationship.**

_____

Name of Officer

This section (item 3 including subparts A, B, C & D) must be completed for each officer with whom the filer has an employment or other business relationship as defined by Section 176.001(1-a), Local Government Code. Attach additional pages to this Form CIQ as necessary.

A. Is the local government officer named in this section receiving or likely to receive taxable income, other than investment income, from the filer of the questionnaire?

☐ Yes ☐ No

B. Is the filer of the questionnaire receiving or likely to receive taxable income, other than investment income, from or at the direction of the local government officer named in this section AND the taxable income is not received from the local governmental entity?

☐ Yes ☐ No

C. Is the filer of this questionnaire employed by a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership of 10 percent or more?

☐ Yes ☐ No

D. Describe each employment or business relationship with the local government officer named in this section.

4

_____ _____

Signature of person doing business with the governmental entity Date

Adopted 06/29/2007

PROPOSER'S AFFIDAVIT
Exhibit "E"

PROPOSER'S AFFIDAVIT OF NON-COLLUSION
NON-CONFILICT OF INTERST, AND ANTI-LOBBYING

STATE OF TEXAS
COUNTY OF HIDALGO

Affiant, _____, being first duly sworn, deposes that:

(1) Affiant does hereby state neither the Proposer nor any of the Proposer's officers, partners, owners, agents, representatives, employees, or parties in interest, has in any way colluded, conspired, agreed, directly or indirectly with any person, firm, corporation, or other proposer, or potential proposer, to provide any money or other valuable consideration for assistance in procuring or attempting to procure a contract or fix the prices in the attached proposed or the proposal of any other proposer, and further states that no such money or other reward will be hereinafter paid.

(2) Affiant further states they have neither recommended or suggested to Hidalgo County or any of its officials or employees, any of the terms or provisions set forth in their Request for Proposal and subsequent agreement, except at a meeting open to all interested proposers, of which proper notice was given.

(3) Affiant, further states their officers, employees, or agents have not, and will not attempt to lobby, directly or indirectly, the Hidalgo County Commissioner's Court between proposal submission date and award by the Hidalgo County Commissioner's Court.

(4) Affiant further states no officer, or stockholder of the Proposer is a member of the staff, or related to any employee of the Hidalgo County except as noted herein below:

Signature/Title: _____

Subscribed and sworn to before me this _____day of _____, 20___.

_____

Notary Public

My commission expires:_____, 20___

Certification
Regarding Debarment, Suspension Ineligibility

As is required by the Federal Regulations Implementing Executive Order 12549, Debarment and Suspension, 45 CFR Part 76, Government-wide Debarment and Suspension, in the applicant certifies, to the best of his or her knowledge and belief, that both it and its principals:

a. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any federal department or agency;

b. Have not within a three-year period preceding this bid/proposal and/or application been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (federal, state or local) transaction or contract under a public transaction, violation of federal or state antitrust statutes or commission of embezzlement, theft, theory, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

c. Are not presently indicted for or otherwise criminally or civilly charged by a government entity with commission of any of the offenses enumerated herein; and

d. Have not within a three-year period preceding this bid/proposal and/or application had one or more public transactions terminated of cause or default.

Signature:_____

Print Name:_____

Title:_____

Telephone Number:_____

Date:_____

If the proposer is unable to certify to all of the statements in this Certification, such proposer should attach an explanation to this proposal.

HIDALGO COUNTY
PURCHASING DEPARTMENT
Proposer/Vendor Application

Complete in print or type. Please return this application to the Hidalgo County Purchasing Department
thru Facsimile: (956) 318-2629 or (956) 292-7612
in person or regular mail to:
Mailing/Postal Address: 2812 S. Business Hwy. 281
Physical Address: 2802 S. Business Hwy. 281
Edinburg, Texas 78539
or e-mail: purchasing@co.hidalgo.tx.us

Company Name: **Telephone No. ( )**

dba Name:

Legal Name:

Mailing Address: **Fax No. ( )**

Physical Address:

City, State, Zip **Tax I.D. No.**

Remit to Address : **City, State, Zip**

E-Mail Address:

Representative(s) Name(s) & Title(s)

Type of Organization (check one): _____ Individual _____ Partnership _____ Corporation _____Non-Profit
_____ LLC _____ Sole Proprietor _____ Other, Specify
State Identification No._____ (Please attached completed W-9 form with this application)
Federal Identification No. or (if individual) SS No.

State of Incorporation: _____ Date:_____ Other:

Type of Business (check one): _____ Manufacturer _____ Wholesaler _____ Retailer _____ Broker
_____ Distributor _____ Service Organization _____ Other, Specify

Name & Title of Person(s) Authorized to Sign Bids, Proposals, and/or Contracts:

Small and/or Disadvantaged Business Information (check application criteria)

Small Business:	**Disadvantaged Business (At Least 51% Ownership)**	
☐ Less than 125,000 annual gross receipt	☐ Black American	☐ Native American
☐ Less than 250,000 annual gross receipt	☐ Hispanic American	☐ Women
☐ Less than 499,000 annual gross receipt	☐ Asian Pacific American	☐ Other
☐ More than 500,000 annual gross receipt		

Have you been certified as a HUB or an MBE/WBE source?: ☐ Yes ☐ No

Indicate Certification No.(s):_____ or are Certificate(s) attached?: ☐ Yes ☐ No

What type of product(s) is/are solicited by your company?:

Would you like to be provided with specifications for procurements of such products?: ☐ Yes ☐ No

To Be Completed by the County: Rec'd by (Purchasing):_____ Date Rec'd by (Purchasing):

Date Forwarded Information to Auditor's Office:_____Entry Date: _____ Vendor No.:

(THIS PAGE MUST BE SUBMITTED WITH PROPOSAL)

HISTORICALLY UNDERUTILIZED BUSINESS (HUB) DECLARATION

The primary objective of the Hidalgo County HUB Program is to ensure Historically Underutilized Businesses receive a fair and equal opportunity for participation in the County's procurement process. This fact holds true for Services (Professional & Non-Professional), Commodities, and Construction contracts and any subcontracts thereto. The program strongly encourages Prime Contractors to provide subcontracting opportunities to Certified Hub Contractors/Vendors. Our goal for HUB contractor/vendor participation, as well as HUB subcontractor participation is 30%. To be considered as a "Certified HUB Contractor/Vendor" the contractor/vendor must have been certified by, and hold a current and valid certification with any of the three agencies listed below.

Have you been Certified as a HUB or an MBE/WBE source?: □Yes □ No

If yes, by whom?: □ Texas Building & Procurement Commission □ Other_____

Indicate Certification No(s).:_____ or Are Certificate(s) Attached?: □ Yes □ No

LIST OF CERTIFIED HUB SUBCONTRACTORS

(Attach additional pages if necessary)

What percentage of the Bid, RFP, or RFQ is to be subcontracted with Certified HUB sources?: _____%
(List HUB Subcontractor information below).

HUB Subcontractor Name: _____ HUB Status:
Certifying Agency (Check all applicable): □Texas Building & Procurement Commission □other
Address: _____ City: _____ State: _____ Zip:
Contact Person: _____ Title: _____ Phone No.: ( )
Subcontract Amount: $_____ Description of Work to be Performed:

HUB Subcontractor Name: _____ HUB Status:
Certifying Agency (Check all applicable): □Texas Building & Procurement Commission □other
Address: _____ City: _____ State: _____ Zip:
Contact Person: _____ Title: _____ Phone No.: ( )
Subcontract Amount: $_____ Description of Work to be Performed:

HUB Subcontractor Name: _____ HUB Status:
Certifying Agency (Check all applicable): □Texas Building & Procurement Commission □other
Address: _____ City: _____ State: _____ Zip:
Contact Person: _____ Title: _____ Phone No.: ( )
Subcontract Amount: $_____ Description of Work to be Performed:

(THIS PAGE MUST BE SUBMITTED WITH PROPOSAL)

Form **W-9**
(Rev. January 2005)
Department of the Treasury
Internal Revenue Service

Request for Taxpayer Identification Number and Certification

Give form to the requester. Do not send to the IRS.

Print or type
See Specific Instructions on page 2.

Name (as shown on your income tax return)

Business name, if different from above

Check appropriate box: ☐ Individual/ Sole proprietor ☐ Corporation ☐ Partnership ☐ Other ▶ ..... ☐ Exempt from backup withholding

Address (number, street, and apt. or suite no.) | Requester's name and address (optional)

City, state, and ZIP code

List account number(s) here (optional)

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on Line 1 to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Note. *If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.*

Social security number
___ ___ ___ – ___ ___ – ___ ___ ___ ___

or

Employer identification number
___ ___ – ___ ___ ___ ___ ___ ___ ___

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and
3. I am a U.S. person (including a U.S. resident alien).

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the Certification, but you must provide your correct TIN. (See the instructions on page 4.)

Sign Here | **Signature of U.S. person ▶** | **Date ▶**

Purpose of Form

A person who is required to file an information return with the IRS, must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

U.S. person. Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
2. Certify that you are not subject to backup withholding, or
3. Claim exemption from backup withholding if you are a U.S. exempt payee.

Note. *If a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.*

For federal tax purposes you are considered a person if you are:

- An individual who is a citizen or resident of the United States,
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States, or
- Any estate (other than a foreign estate) or trust. See Regulations sections 301.7701-6(a) and 7(a) for additional information.

Foreign person. If you are a foreign person, do not use Form W-9. Instead, use the appropriate Form W-8 (see Publication 515, Withholding of Tax on Nonresident Aliens and Foreign Entities).

Nonresident alien who becomes a resident alien. Generally, only a nonresident alien individual may use the terms of a tax treaty to reduce or eliminate U.S. tax on certain types of income. However, most tax treaties contain a provision known as a "saving clause." Exceptions specified in the saving clause may permit an exemption from tax to continue for certain types of income even after the recipient has otherwise become a U.S. resident alien for tax purposes.

If you are a U.S. resident alien who is relying on an exception contained in the saving clause of a tax treaty to claim an exemption from U.S. tax on certain types of income, you must attach a statement to Form W-9 that specifies the following five items:

1. The treaty country. Generally, this must be the same treaty under which you claimed exemption from tax as a nonresident alien.
2. The treaty article addressing the income.
3. The article number (or location) in the tax treaty that contains the saving clause and its exceptions.

4. The type and amount of income that qualifies for the exemption from tax.

5. Sufficient facts to justify the exemption from tax under the terms of the treaty article.

Example. Article 20 of the U.S.-China income tax treaty allows an exemption from tax for scholarship income received by a Chinese student temporarily present in the United States. Under U.S. law, this student will become a resident alien for tax purposes if his or her stay in the United States exceeds 5 calendar years. However, paragraph 2 of the first Protocol to the U.S.-China treaty (dated April 30, 1984) allows the provisions of Article 20 to continue to apply even after the Chinese student becomes a resident alien of the United States. A Chinese student who qualifies for this exception (under paragraph 2 of the first protocol) and is relying on this exception to claim an exemption from tax on his or her scholarship or fellowship income would attach to Form W-9 a statement that includes the information described above to support that exemption.

If you are a nonresident alien or a foreign entity not subject to backup withholding, give the requester the appropriate completed Form W-8.

What is backup withholding? Persons making certain payments to you must under certain conditions withhold and pay to the IRS 28% of such payments (after December 31, 2002). This is called "backup withholding." Payments that may be subject to backup withholding include interest, dividends, broker and barter exchange transactions, rents, royalties, nonemployee pay, and certain payments from fishing boat operators. Real estate transactions are not subject to backup withholding.

You will not be subject to backup withholding on payments you receive if you give the requester your correct TIN, make the proper certifications, and report all your taxable interest and dividends on your tax return.

Payments you receive will be subject to backup withholding if:

1. You do not furnish your TIN to the requester, or

2. You do not certify your TIN when required (see the Part II instructions on page 4 for details), or

3. The IRS tells the requester that you furnished an incorrect TIN, or

4. The IRS tells you that you are subject to backup withholding because you did not report all your interest and dividends on your tax return (for reportable interest and dividends only), or

5. You do not certify to the requester that you are not subject to backup withholding under 4 above (for reportable interest and dividend accounts opened after 1983 only).

Certain payees and payments are exempt from backup withholding. See the instructions below and the separate Instructions for the Requester of Form W-9.

Penalties

Failure to furnish TIN. If you fail to furnish your correct TIN to a requester, you are subject to a penalty of $50 for each such failure unless your failure is due to reasonable cause and not to willful neglect.

Civil penalty for false information with respect to withholding. If you make a false statement with no reasonable basis that results in no backup withholding, you are subject to a $500 penalty.

Criminal penalty for falsifying information. Willfully falsifying certifications or affirmations may subject you to criminal penalties including fines and/or imprisonment.

Misuse of TINs. If the requester discloses or uses TINs in violation of federal law, the requester may be subject to civil and criminal penalties.

Specific Instructions

Name

If you are an individual, you must generally enter the name shown on your social security card. However, if you have changed your last name, for instance, due to marriage without informing the Social Security Administration of the name change, enter your first name, the last name shown on your social security card, and your new last name.

If the account is in joint names, list first, and then circle, the name of the person or entity whose number you entered in Part I of the form.

Sole proprietor. Enter your individual name as shown on your social security card on the "Name" line. You may enter your business, trade, or "doing business as (DBA)" name on the "Business name" line.

Limited liability company (LLC). If you are a single-member LLC (including a foreign LLC with a domestic owner) that is disregarded as an entity separate from its owner under Treasury regulations section 301.7701-3, enter the owner's name on the "Name" line. Enter the LLC's name on the "Business name" line. Check the appropriate box for your filing status (sole proprietor, corporation, etc.), then check the box for "Other" and enter "LLC" in the space provided.

Other entities. Enter your business name as shown on required Federal tax documents on the "Name" line. This name should match the name shown on the charter or other legal document creating the entity. You may enter any business, trade, or DBA name on the "Business name" line.

Note. You are requested to check the appropriate box for your status (individual/sole proprietor, corporation, etc.).

Exempt From Backup Withholding

If you are exempt, enter your name as described above and check the appropriate box for your status, then check the "Exempt from backup withholding" box in the line following the business name, sign and date the form.

Generally, individuals (including sole proprietors) are not exempt from backup withholding. Corporations are exempt from backup withholding for certain payments, such as interest and dividends.

Note. If you are exempt from backup withholding, you should still complete this form to avoid possible erroneous backup withholding.

Exempt payees. Backup withholding is not required on any payments made to the following payees:

1. An organization exempt from tax under section 501(a), any IRA, or a custodial account under section 403(b)(7) if the account satisfies the requirements of section 401(f)(2),

2. The United States or any of its agencies or instrumentalities,

3. A state, the District of Columbia, a possession of the United States, or any of their political subdivisions or instrumentalities,

4. A foreign government or any of its political subdivisions, agencies, or instrumentalities, or

5. An international organization or any of its agencies or instrumentalities.

Other payees that may be exempt from backup withholding include:

6. A corporation,

7. A foreign central bank of issue,

8. A dealer in securities or commodities required to register in the United States, the District of Columbia, or a possession of the United States,

9. A futures commission merchant registered with the Commodity Futures Trading Commission,

10. A real estate investment trust,

11. An entity registered at all times during the tax year under the Investment Company Act of 1940,

12. A common trust fund operated by a bank under section 584(a),

13. A financial institution,

14. A middleman known in the investment community as a nominee or custodian, or

15. A trust exempt from tax under section 664 or described in section 4947.

The chart below shows types of payments that may be exempt from backup withholding. The chart applies to the exempt recipients listed above, 1 through 15.

IF the payment is for . . .	THEN the payment is exempt for . . .
Interest and dividend payments	All exempt recipients except for 9
Broker transactions	Exempt recipients 1 through 13. Also, a person registered under the Investment Advisers Act of 1940 who regularly acts as a broker
Barter exchange transactions and patronage dividends	Exempt recipients 1 through 5
Payments over $600 required to be reported and direct sales over $5,000 [1]	Generally, exempt recipients 1 through 7 [2]

[1] See Form 1099-MISC, Miscellaneous Income, and its instructions.

[2] However, the following payments made to a corporation (including gross proceeds paid to an attorney under section 6045(f), even if the attorney is a corporation) and reportable on Form 1099-MISC are not exempt from backup withholding: medical and health care payments, attorneys' fees; and payments for services paid by a Federal executive agency.

Part I. Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. If you are a resident alien and you do not have and are not eligible to get an SSN, your TIN is your IRS individual taxpayer identification number (ITIN). Enter it in the social security number box. If you do not have an ITIN, see *How to get a TIN* below.

If you are a sole proprietor and you have an EIN, you may enter either your SSN or EIN. However, the IRS prefers that you use your SSN.

If you are a single-owner LLC that is disregarded as an entity separate from its owner (see *Limited liability company (LLC)* on page 2), enter your SSN (or EIN, if you have one). If the LLC is a corporation, partnership, etc., enter the entity's EIN.

Note. See the chart on page 4 for further clarification of name and TIN combinations.

How to get a TIN. If you do not have a TIN, apply for one immediately. To apply for an SSN, get Form SS-5, Application for a Social Security Card, from your local Social Security Administration office or get this form online at *www.socialsecurity.gov/online/ss-5.pdf*. You may also get this form by calling 1-800-772-1213. Use Form W-7, Application for IRS Individual Taxpayer Identification Number, to apply for an ITIN, or Form SS-4, Application for Employer Identification Number, to apply for an EIN. You can apply for an EIN online by accessing the IRS website at *www.irs.gov/businesses/* and clicking on Employer ID Numbers under Related Topics. You can get Forms W-7 and SS-4 from the IRS by visiting *www.irs.gov* or by calling 1-800-TAX-FORM (1-800-829-3676).

If you are asked to complete Form W-9 but do not have a TIN, write "Applied For" in the space for the TIN, sign and date the form, and give it to the requester. For interest and dividend payments, and certain payments made with respect to readily tradable instruments, generally you will have 60 days to get a TIN and give it to the requester before you are subject to backup withholding on payments. The 60-day rule does not apply to other types of payments. You will be subject to backup withholding on all such payments until you provide your TIN to the requester.

Note. Writing "Applied For" means that you have already applied for a TIN or that you intend to apply for one soon.

Caution: *A disregarded domestic entity that has a foreign owner must use the appropriate Form W-8.*

Part II. Certification

To establish to the withholding agent that you are a U.S. person, or resident alien, sign Form W-9. You may be requested to sign by the withholding agent even if items 1, 4, and 5 below indicate otherwise.

For a joint account, only the person whose TIN is shown in Part I should sign (when required). Exempt recipients, see *Exempt From Backup Withholding* on page 2.

Signature requirements. Complete the certification as indicated in 1 through 5 below.

1. Interest, dividend, and barter exchange accounts opened before 1984 and broker accounts considered active during 1983. You must give your correct TIN, but you do not have to sign the certification.

2. Interest, dividend, broker, and barter exchange accounts opened after 1983 and broker accounts considered inactive during 1983. You must sign the certification or backup withholding will apply. If you are subject to backup withholding and you are merely providing your correct TIN to the requester, you must cross out item 2 in the certification before signing the form.

3. Real estate transactions. You must sign the certification. You may cross out item 2 of the certification.

4. Other payments. You must give your correct TIN, but you do not have to sign the certification unless you have been notified that you have previously given an incorrect TIN. "Other payments" include payments made in the course of the requester's trade or business for rents, royalties, goods (other than bills for merchandise), medical and health care services (including payments to corporations), payments to a nonemployee for services, payments to certain fishing boat crew members and fishermen, and gross proceeds paid to attorneys (including payments to corporations).

5. Mortgage interest paid by you, acquisition or abandonment of secured property, cancellation of debt, qualified tuition program payments (under section 529), IRA, Coverdell ESA, Archer MSA or HSA contributions or distributions, and pension distributions. You must give your correct TIN, but you do not have to sign the certification.

What Name and Number To Give the Requester

For this type of account:	Give name and SSN of:
1. Individual	The individual
2. Two or more individuals (joint account)	The actual owner of the account or, if combined funds, the first individual on the account [1]
3. Custodian account of a minor (Uniform Gift to Minors Act)	The minor [2]
4. a. The usual revocable savings trust (grantor is also trustee)	The grantor-trustee [1]
b. So-called trust account that is not a legal or valid trust under state law	The actual owner [1]
5. Sole proprietorship or single-owner LLC	The owner [3]
For this type of account:	**Give name and EIN of:**
6. Sole proprietorship or single-owner LLC	The owner [3]
7. A valid trust, estate, or pension trust	Legal entity [4]
8. Corporate or LLC electing corporate status on Form 8832	The corporation
9. Association, club, religious, charitable, educational, or other tax-exempt organization	The organization
10. Partnership or multi-member LLC	The partnership
11. A broker or registered nominee	The broker or nominee
12. Account with the Department of Agriculture in the name of a public entity (such as a state or local government, school district, or prison) that receives agricultural program payments	The public entity

[1] List first and circle the name of the person whose number you furnish. If only one person on a joint account has an SSN, that person's number must be furnished.

[2] Circle the minor's name and furnish the minor's SSN.

[3] You must show your individual name and you may also enter your business or "DBA" name on the second name line. You may use either your SSN or EIN (if you have one). If you are a sole proprietor, IRS encourages you to use your SSN.

[4] List first and circle the name of the legal trust, estate, or pension trust. (Do not furnish the TIN of the personal representative or trustee unless the legal entity itself is not designated in the account title.)

Note. If no name is circled when more than one name is listed, the number will be considered to be that of the first name listed.

Privacy Act Notice

Section 6109 of the Internal Revenue Code requires you to provide your correct TIN to persons who must file information returns with the IRS to report interest, dividends, and certain other income paid to you, mortgage interest you paid, the acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA, or Archer MSA or HSA. The IRS uses the numbers for identification purposes and to help verify the accuracy of your tax return. The IRS may also provide this information to the Department of Justice for civil and criminal litigation, and to cities, states, and the District of Columbia to carry out their tax laws. We may also disclose this information to other countries under a tax treaty, to federal and state agencies to enforce federal nontax criminal laws, or to federal law enforcement and intelligence agencies to combat terrorism.

You must provide your TIN whether or not you are required to file a tax return. Payers must generally withhold 28% of taxable interest, dividend, and certain other payments to a payee who does not give a TIN to a payer. Certain penalties may also apply.

HIDALGO COUNTY PRECINCT No. 2
""Construction of a New Vehicle Maintenance Facility"

BID No. -2013-096A-11-13-MSS

SUBMITTAL CHECK LIST

The following list of forms must be included in the RFB response, failure to submit any of these forms may be considered non responsive.

Indicate with a check mark (✓) the Forms completed and included in response:

_____ Page 9 of Legal Notice

_____ Exhibit "C" -Acknowledgement forms (pages 3 and 4)

_____ Exhibit "D" -CIQ Form.

_____ Exhibit "E" –Proposers Affidavit

_____ Certification Regarding Debarment

_____ Vendor Bidder Application and IRS form W-9

_____ STATEMENT OF CREDENTIALS

_____ One (1) original and three (3) copies of complete Response, including any other documentation requested in this RFB not herein listed (i.e. Bid Form, Bid Bond, Sub-Contractors List, references, etc).

Name:_____

Signature: _____ Date: _____

SECTION 00 01 15

LIST OF DRAWING SHEETS

GI0001	COVER SHEET
GI002	ACCESSIBILITY REQUIREMENTS
GI003	ACCESSIBILITY REQUIREMENTS
GI004	PROJECT INFORMATION
GI005	CODE ANALYSIS AND LIFE SAFETY PLAN
AS100	COMPOSITE SITE PLAN
AS101	ENLARGED SITE PLAN
AS102	ENLARGED SITE PLANS
AE100	DIMENSIONAL FLOOR PLAN - MAINTENANCE BUILDING
AE101	ARCHITECTURAL FLOOR PLAN - MAINTENANCE BUILDING
AE102	REFLECTED CEILING PLAN - MAINTENANCE BUILDING
AE103	REFLECTED CEILILNG PLAN - EXTERIOR STORAGE
AE104	ROOF PLAN - MAINTENANCE BUILDING
AE105	ROOF PLAN - COVERED PARKING AND EXTERIOR STORAGE
AE106	FRAMING PLANS - COVERED PARKING ANDEXTERIOR STORAGE
AE107	EQUIPMENT LAYOUT - MAINTENANCE BUILDING
AE200	EXTERIOR ELEVATIONS
AE201	EXTERIOR ELEVATIONS
AE300	BUILDING SECTIONS
AE301	BUILDING SECTIONS
AE302	WALL SECTIONS
AE303	
AE304	WALL SECTIONS
AE305	WALL TYPES
AE400	ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS
AE401	ENLARGED FLOOR PLANS AND INTERIOR ELEVATIONS
AE402	CASEWORK SECTIONS
AE500	PLAN DETAILS
AE501	SECTION DETAILS
AE502	SECTION DETAILS
AE503	DETAILS
AE504	RCP DETAILS
AE600	DOOR AND WINDOW SCHEDULES
AE601	ROOM FINISH SCHEDULES

END OF LIST OF DRAWINGS

SECTION 00 11 13
ADVERTISEMENT FOR BIDS

FROM:

1.01 THE OWNER (HEREINAFTER REFERRED TO AS COUNTY OF HIDALGO):

A. Marha L. Salazar, CPPB, Hidalgo County Purchasing Agent
Hidalgo Couny Purchasing Department
B. 2802 S. Business Hwy. 281
C. Edinburg, Texas 78539

1.02 AND THE ARCHITECT (HEREINAFTER REFERRED TO AS ERO ARCHITECTS):

A. Eli R. Ochoa, P.E., A.I.A.
B. 300 South 8th Street
C. McAllen, Texas 78501

1.03 DATE: WEDNESDAY, NOVEMBER 20, 2013 AT 4:00 P.M.

1.04 PRE-BID CONFERENCE: TUESDAY, NOVEMBER 13, 2011 AT 3:00 P.M.

Hidalgo County New Administration Building
2802 S. Business Hwy. 281
Edinburg, Texas 78539

1.05 HIDALGO COUNTY PRECINCT 4 REQUEST FOR COMPETITIVE SEALED PROPOSALS ADVERTISEMENT FOLLOWS THIS SECTION.

1.06 TO: POTENTIAL BIDDERS

A. Your firm is invited to submit an offer under seal to County of Hidalgo for construction of a facility located at _____ before 3:00 pm local standard time on the 20 day of November, 2013, for the following project:
B. Project Description:
C. Bidders will be required to provide Bid security in the form of a Bid Bond of a sum no less than 5 percent of the Bid Amount.
D. Refer to other bidding requirements described in Document 00 21 13 - Instructions to Bidders and Document 00 31 00 - Available Project Information.
E. Submit your offer on the Bid Form provided. Bidders may supplement this form as appropriate.
F. Your offer will be required to be submitted under a condition of irrevocability for a period of 30 days after submission.
G. The Owner reserves the right to accept or reject any or all offers.

END OF ADVERTISEMENT FOR BIDS

SECTION 00 21 13
INSTRUCTIONS TO BIDDERS

SUMMARY

1.01 SEE AIA DOCUMENT A701 (1997 EDITION), INSTRUCTIONS TO BIDDERS FOLLOWING THIS DOCUMENT.

1.02 DOCUMENT INCLUDES

A. Invitation
   1. Bid Submission
   2. Intent
   3. Work Identified in the Contract Documents
   4. Contract Time

B. Bid Documents and Contract Documents
   1. Definitions
   2. Contract Documents Identification
   3. Availability
   4. Examination
   5. Inquiries/Addenda
   6. Product/Assembly/System Substitutions

C. Site Assessment
   1. Site Examination
   2. Prebid Conference

D. Qualifications
   1. Qualifications
   2. Subcontractors/Suppliers/Others

E. Bid Enclosures/Requirements
   1. Bid Form Signature

1.03 RELATED DOCUMENTS

A. Document 00 41 00 - Bid Form.

B. Document 00 43 36 - Proposed Subcontractors Form.

INVITATION

2.01 BID SUBMISSION

A. Bids signed and under seal, executed, and dated will be received at the office of the County of Hidalgo at _____ before _____ a.m. local standard time on the ____ day of _____.

B. Offers submitted after the above time shall be returned to the bidder unopened.

C. Offers will be opened publicly immediately after the time for receipt of bids.

2.02 INTENT

A. The intent of this Bid request is to obtain an offer to perform work to complete a new Facilities Maintenance Building located at _____ for a Stipulated Sum contract, in accordance with the Contract Documents.

2.03 WORK IDENTIFIED IN THE CONTRACT DOCUMENTS

A. Work of this proposed Contract comprises building construction, including general construction Work.

2.04 CONTRACT TIME

A. Perform the Work in 270 calendar days.

BID DOCUMENTS AND CONTRACT DOCUMENTS

3.01 DEFINITIONS

A. Bid, Offer, or Bidding: Act of submitting an offer under seal.

B. Bid Amount: Monetary sum identified by the Bidder in the Bid Form.

3.02 CONTRACT DOCUMENTS IDENTIFICATION

A. The Contract Documents are identified as Project Number 11016, as prepared by ERO Architects who is located at 300 South 8th Street - McAllen, Texas 78501, and with contents as identified in the Table of Contents.

3.03 AVAILABILITY

A. Bid Documents may be obtained at the office of ERO Architects which is located at 300 South 8th Street - McAllen, Texas 78501.

3.04 EXAMINATION

A. Bid Documents may be viewed at the office of ERO Architects which is located at 300 South 8th Street - McAllen, Texas 78501.

B. Upon receipt of Bid Documents verify that documents are complete. Notify ERO Architects should the documents be incomplete.

C. Immediately notify ERO Architects upon finding discrepancies or omissions in the Bid Documents.

3.05 INQUIRIES/ADDENDA

A. Direct questions to Yazmin Perez, fax: 956-661-0401.

B. Addenda may be issued during the bidding period. All Addenda become part of the Contract Documents. Include resultant costs in the Bid Amount.

C. Verbal answers are not binding on any party.

D. Clarifications requested by bidders must be in writing not less than 10 days before date set for receipt of bids. The reply will be in the form of an Addendum, a copy of which will be forwarded to known recipients .

3.06 PRODUCT/ASSEMBLY/SYSTEM SUBSTITUTIONS

A. Where the Bid Documents stipulate a particular product, substitutions will be considered up to 10 days before receipt of bids. Substitutions after bid openings will not be considered.

B. When a request to substitute a product is made, ERO Architects may approve the substitution and will issue an Addendum to known bidders.

C. The submission shall provide sufficient information to determine acceptability of such products.

D. Provide complete information on required revisions to other work to accommodate each proposed substitution.

E. Provide products as specified unless substitutions are submitted in this manner and accepted.

F. See Section 01 60 00 - Product Requirements for additional requirements.

SITE ASSESSMENT

4.01 SITE EXAMINATION

A. Examine the project site before submitting a bid.

4.02 PREBID CONFERENCE

A. A bidders conference has been scheduled for _____ a.m. on the _____ day of _____ at the location of _____.

B. All general contract bidders and suppliers are invited.

C. Representatives of ERO Architects will be in attendance.

D. Summarized minutes of this meeting will be circulated to attendees. These minutes will not form part of the Contract Documents.

E. Information relevant to the Bid Documents will be recorded in an Addendum, issued to Bid Document recipients.

QUALIFICATIONS

5.01 EVIDENCE OF QUALIFICATIONS

A. To demonstrate qualification for performing the Work of this Contract, bidders may be requested to submit written evidence of financial position, license to perform work in the State and _____.

5.02 SUBCONTRACTORS/SUPPLIERS/OTHERS

A. County of Hidalgo reserves the right to reject a proposed subcontractor for reasonable cause.

B. Refer to General Conditions.

BID SUBMISSION

BID ENCLOSURES/REQUIREMENTS

7.01 BID FORM REQUIREMENTS

7.02 BID FORM SIGNATURE

A. The Bid Form shall be signed by the bidder, as follows:

1. Sole Proprietorship: Signature of sole proprietor in the presence of a witness who will also sign. Insert the words "Sole Proprietor" under the signature. Affix seal.
2. Partnership: Signature of all partners in the presence of a witness who will also sign. Insert the word "Partner" under each signature. Affix seal to each signature.
3. Corporation: Signature of a duly authorized signing officer(s) in their normal signatures. Insert the officer's capacity in which the signing officer acts, under each signature. Affix the corporate seal. If the bid is signed by officials other than the president and secretary of the company, or the president/secretary/treasurer of the company, a copy of the by-law resolution of their board of directors authorizing them to do so, must also be submitted with the Bid Form in the bid envelope.
4. Joint Venture: Each party of the joint venture shall execute the Bid Form under their respective seals in a manner appropriate to such party as described above, similar to the requirements of a Partnership.

7.03 ADDITIONAL BID INFORMATION

A. Submit the following Supplements 24 hours after bid submission:

1. Document 00 43 36 - Subcontractors: Include the names of all Subcontractors and the portions of the Work they will perform.

7.04 SELECTION AND AWARD OF ALTERNATIVES

A. Indicate variation of bid price for alternatives listed on the Bid Form. Unless otherwise indicated, indicate alternatives as a difference in bid price by adding to or deducting from the base bid price.

B. Bids will be evaluated on the base bid price. After determination of a successful bidder, consideration will be given to alternatives and bid price adjustments.

C. Bids will be evaluated on the total of the base bid price and all of the alternatives. After determination of the successful bidder, consideration will be given to which alternatives will be included in the Work.

OFFER ACCEPTANCE/REJECTION

8.01 DURATION OF OFFER

A. Bids shall remain open to acceptance and shall be irrevocable for a period of 45 days after the bid closing date.

8.02 ACCEPTANCE OF OFFER

A. County of Hidalgo reserves the right to accept or reject any or all offers.

B. After acceptance by County of Hidalgo, ERO Architects on behalf of County of Hidalgo, will issue to the successful bidder, a written Bid Acceptance.

END OF INSTRUCTIONS TO BIDDERS

SECTION 00 31 00

AVAILABLE PROJECT INFORMATION

PART 1 GENERAL

EXISTING REPORTS AND SURVEYS

2.01 SUBSURFACE INVESTIGATION REPORT

A. A copy of a geotechnical report with respect to the building site is included with this document:
   1. Title:
      Geotechnical Engineering Study
      MEG
      Foundation and Pavement Recommendations
      Proposed Equipment Compound Facility & Offsite Waterline Improvement
      Pharr, Hidalgo County, Texas
   2. Date:
      10/02/13
   3. Prepared by:
      MEG Engineers
      Project No. 01-13-29060

B. This report identifies properties of below grade conditions and offers recommendations for the design of foundations, prepared primarily for the use of ERO Architects.

C. The recommendations described shall not be construed as a requirement of this Contract, unless specifically referenced in the Contract Documents.

D. This report, by its nature, cannot reveal all conditions that exist on the site. Should subsurface conditions be found to vary substantially from this report, changes in the design and construction of foundations will be made, with resulting credits or expenditures to the Contract Sum accruing to County of Hidalgo.

2.02 TOPOGRAPHIC SURVEY AND EXISTING CONDITIONS SURVEY

A. A copy of the existing topographic and site survey, "Existing Plan Layout", with respect to the project site is included in the Working Drawings.

B. These surveys identifies grade elevations and conditions of existing construction prepared primarily for the use of ERO Architects in establishing new grades, indentifying natural water shed and in establishing the extent of the new versus existing.

PART 3 EXECUTION (NOT USED)

END OF SECTION

SECTION 00 41 00

PROPOSAL FORM

THE PROJECT AND THE PARTIES

1.01 TO:

A. The County of Hidalgo
   1. The County of Hidalgo
   2. 2812 South Business Highway 281
      Edinburg, Texas 78539

1.02 FOR:

A. Hidalgo County Precinct No. 2
   The County of Hidalgo Texas - CSP No.: 2013-096A-10-02-MSS
   ERO Architects Project No. 13012

1.03 DATE: _____ (BIDDER TO ENTER DATE)

1.04 SUBMITTED BY: (BIDDER TO ENTER NAME AND ADDRESS)

A. Bidder's Full Name _____
   1. Address _____
   2. City, State, Zip_ _____
      _____

1.05 OFFER

A. Having examined the Place of The Work and all matters referred to in the Instructions to Bidders and the Contract Documents prepared by ERO Architects for the above mentioned project, we, the undersigned, hereby offer to enter into a Contract to perform the Work for the Sum of:

   _____

B. _____ dollars

C. All Allowances described in Section 01 21 00 are included in the Bid Sum. Sixty Thousand Dollars ($60,000.00), in lawful money of the United States of America.

D. BID BOND: Offerors will be required to provide Bid Security in the form of a Bid Bond in the amount of 5 percent of the largest possible total proposal. Failure to provide the Bid Bond with the proposal will constitute a non-responsive proposal and the proposal will not be considered.

E. PERFORMANCE AND LABOR & MATERIAL PAYMENT BONDS: The successful Offeror will be required to provide 100% Performance and Labor and Materials. Payment Bond in strict conformance with all the requirements of the Contract Documents. Failure to do so will result in cancellation of the contract award and forfeiture of the Bid Bond security as liquidated damages.

F. All applicable federal taxes are included and State of Texas taxes are included in the Bid Sum.

G. All Cash and Contingency Allowances described in Section 01 21 00 are included in the Bid Sum.

1.06 ACCEPTANCE

A. This Bidder shall be open to acceptance and is irrevocable for thirty days from the bid closing date.

B. If this bid is accepted by County of Hidalgo within the time period stated above, we will:
   1. Execute the Agreement within seven days of receipt of Notice of Award.
   2. Furnish the required bonds within seven days of receipt of Notice of Award.
   3. Commence work within seven days after written Notice to Proceed of this bid.
   4. Agree to be Substantially complete with the work as indicated in Section 1.07 Contract Time or be responsible for the Liquadated Damages as enumerated in Section 1.07 Contract Time, paragraph B.

C. If this bid is accepted within the time stated, and we fail to commence the Work or we fail to provide the required Bond(s), the security deposit shall be forfeited as damages to County of Hidalgo by reason of our failure, limited in amount to the lesser of the face value of the security deposit or the difference between this bid and the bid upon which a Contract is signed.

D. In the event our bid is not accepted within the time stated above, the required security deposit shall be returned to the undersigned, in accordance with the provisions of the Instructions to Bidders; unless a mutually satisfactory arrangement is made for its retention and validity for an extended period of time.

1.07 CONTRACT TIME

A. If the Bid is accepted, the project will be substantially complete as follows:
   1. **Maintenance Building:** Complete the Work in One Hundred and Twenty (240) calendar days from Notice to Proceed.
   2. **Alternate No. 01 (Administration Building):** Complete the Work in Two Hundred and Seventy (270) calendar days from Notice to Proceed.

B. Liquidated Damages: County of Hidalgo has the right under contract to assess liquidated damages for each calendar day beyond the date for substantial completion set out in the contract in which the Work fails to be substantially complete due to unexcused delay. In the event the Contractor fails to achieve Substantial Completion of the work within the time indicated in the Bid Form, or as mutually agreed upon, or as such date may be extended or shortened by approved Change Order, the Owner shall be entitled to liquidated damages for the following amounts per day for each day that the work is not substantially complete:
   1. Tier One: Five Hundred Dollars ($500.00) for each calendar day that passes up to seven days that the work fails to be substantially complete
   2. Tier Two: One Thousand Dollars ($1000.00) per calendar day for each calendar day that passes beyond the seven days previously stipultated that the work fails to be substantially complete up until which time the work is substantially complete.

C. Back Charges: County of Hidalgo has the right under contract to back charge amounts that are spent to complete a portion of the work not completed by the contractor based on schedule and repairs of damage caused by work associated with the construction that requires quick response due to County of Hidalgo operations and contractor has failed to respond. This will be deducted from contractor's contract amount and written as a change order to the contract.

D. Rain/Off Days: Rain Days must be submitted within 3 days of event or with each pay application (weekly report) failure to provide notification with proper proof within the time period will not be accepted. Any additional days after rain days that the contractor fails to work will be charged as work days unless authorized in writting by both the contractor and Owner, refer to 1.07 Contract Time, A.

E. Completion of Work
   1. If this Bid is accepted, we will:
   2. Complete the Work in _____ calendar days from Notice to Proceed.

1.08 CHANGES TO THE WORK

A. All approved change orders must be signed by the Owner and Architect. Architect will issue a Proposal Request (PR) to the Contractor; Contractor will prepare detail cost and time information including sub-contractor breakdown (Change Proposal) and submit to Architect for review, within 10 days of receipt of the Proposed Change; Architect will submit proposal and all information to Owner for review and approval.

B. Allowances shall be handled in a similar manner as a change order, refer to 1.08, B. Contractor shall prepare detail cost and time information and submit to Architect for review; Architect will submit proposal and all information to Owner for review and approval.

1.09 ADDENDA

A. The following Addenda have been received. The modifications to the Proposal Documents noted below have been considered and all costs are included in the Proposal Sum.
   1. ____Addendum # 1 Dated _____.
   2. ____Addendum # 2 Dated _____.
   3. ____Addendum # 3 Dated _____.

4. ____Addendum # 4 Dated _____.
5. ____Addendum # 5 Dated _____.

1.10 BID FORM SUPPLEMENTS

A. We agree to submit the following Supplements to Bid Forms within 24 hours after submission of this bid for additional bid information:
   1. Document 00 43 36 - Subcontractors: Include the names of all Subcontractors and the portions of the Work they will perform.

1.11 BID FORM SIGNATURE(S)

A. The Corporate Seal of
B. _____
C. (Bidder - print the full name of your firm)
D. was hereunto affixed in the presence of:
E. _____
F. (Authorized signing officer, Title)
G. (Seal)
H. _____
I. (Authorized signing officer, Title)

1.12 IF THE BID IS A JOINT VENTURE OR PARTNERSHIP, ADD ADDITIONAL FORMS OF EXECUTION FOR EACH MEMBER OF THE JOINT VENTURE IN THE APPROPRIATE FORM OR FORMS AS ABOVE.

END OF BID FORM

SECTION 00 43 36

PROPOSED SUBCONTRACTORS FORM

PARTICULARS

1.01 HEREWITH IS THE LIST OF SUBCONTRACTORS REFERENCED IN THE BID SUBMITTED BY:

A. (Bidder) _____

B. To (Owner) .....

C. Dated _____ and which is an integral part of the Bid Form.

1.02 THE FOLLOWING WORK WILL BE PERFORMED (OR PROVIDED) BY SUBCONTRACTORS AND COORDINATED BY US:

LIST OF SUBCONTRACTORS

2.01 WORK SUBJECT.....SUBCONTRACTOR NAME

SECTION 00 50 00
CONTRACTING FORMS AND SUPPLEMENTS

PART 1 GENERAL

1.01 CONTRACTOR IS RESPONSIBLE FOR OBTAINING A VALID LICENSE TO USE ALL COPYRIGHTED DOCUMENTS SPECIFIED BUT NOT INCLUDED IN THE PROJECT MANUAL.

1.02 AGREEMENT AND CONDITIONS OF THE CONTRACT

A. See Section 00 52 00 for the Agreement form to be executed.

B. See Section 00 72 00 for the General Conditions.

C. See Section 00 73 00 for the Supplementary Conditions.

D. The Agreement is based on AIA A101.

E. The General Conditions are based on AIA A201.

1.03 FORMS

A. Use the following forms for the specified purposes unless otherwise indicated elsewhere in the Contract Documents.

B. Bond Forms:
   1. Bid Bond Form: AIA A310
   2. Performance and Payment Bond Form: AIA A312.

C. Post-Award Certificates and Other Forms:
   1. Application for Payment Form: AIA G702 and G703.

D. Clarification and Modification Forms:
   1. Construction Change Directive Form: AIA G714.
   2. Change Order Form: AIA G701.

E. Closeout Forms:
   1. Certificate of Substantial Completion Form: AIA G704.

1.04 REFERENCE STANDARDS

A. AIA A101 - Standard Form of Agreement Between Owner and Contractor where the basis of payment is a Stipulated Sum; 2007.

B. AIA A201 - General Conditions of the Contract for Construction; 2007.

C. AIA A312 - Performance Bond and Payment Bond; 1984.

D. AIA G701 - Change Order; 2001.

E. AIA G702 - Application and Certificate for Payment; 1992.

F. AIA G704 - Certificate of Substantial Completion; 2000.

G. AIA G714 - Construction Change Directive; 2007.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION

SECTION 00 52 00
AGREEMENT FORM

PART 1 GENERAL

1.01 FORM OF AGREEMENT

A. The Agreement (AIA Document A 101) refer to The County of Hidalgo Invitation to Submit Competitive Sealed Proposals.

1.02 RELATED REQUIREMENTS

A. Section 00 72 00 - General Conditions.

B. Section 00 73 00 - Supplementary Conditions.

C. Section 01 42 16 - Definitions.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

END OF AGREEMENT

SECTION 00 72 00

GENERAL CONDITIONS

FORM OF GENERAL CONDITIONS

1.01 THE GENERAL CONDITIONS (AIA DOCUMENT A201) REFER TO THE COUNTY OF HIDALGO INVITATION TO SUBMIT COMPETITIVE SEALED PROPOSALS.

RELATED REQUIREMENTS

2.01 SECTION 00 52 00 - AGREEMENT FORM - AIA DOCUMENT A 101.

2.02 SECTION 01 42 16 - DEFINITIONS.

EXECUTION

3.01 AIA DOCUMENT A201 - GENERAL CONDITIONS FORM - 2007 EDITION, GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION

END OF DOCUMENT

SECTION 00 82 00

WAGE RATE

PART 1 GENERAL

1.01 PREVAILING WAGE RATE

A. This determination of prevailing wages shall not be construed to prohibit the paymnet of more than the rates named Under no condition shall any laborer, workman, or mechanic employed on this job be paid less than the minimum wage scale.

B. In execution of this contract, the contractor must comply with all applicable state and federal laws including but not limited to laws concerned with labor, equal employment opportunity, safety and minimum wage.

C. The Davis-Bacon and Related Acts (DBRA) requires rules be followed when federal funds are used for contacts in excee of $2,000 (two thousand dollars) for the construction, alteration or repair (including painting and decorating) of public buildings or public works.

1. Rules associated with the Davis-Bacon Act include:
    a. Contractors and subcontractors must pay laborers and mechanics employed directly upon the site of the work at least the locally prevailing wages (including fringe benefits), listed in the Davis-Bacon wage determination in the contract, for the work performed. Davis-Bacon labor standards clauses must be included in covered contracts.
    b. Contractors and subcontractors are required to pay covered workers weekly and submit weekly certified payroll records to the contracting agency (school district, city, county, etc.). Records are submitted via the WH-347 form.
    c. Contractors and subcontractors are required to post the applicable Davis-Bacon wage determination with the Davis-Bacon poster (WH-1321) on the job site in a prominent and accessible place where they can be easily seen by the workers.
    d. Davis-Bacon wage determinations are published on the Wage Determinations On-Line website for contracting agencies to incorporate them into covered contracts.
    e. It is imperative that contracting agencies (schools, cities, counties, etc.) ensure the Davis-Bacon requirements are met by the contractors/subcontractors with whom they contract when federal funds are involved. It si the responsibility of the contracting agency to inform all contrtactors and subcontractors that federal funds are being expended for the contracted project.
    f. It is the responsibility of TIPS/TAPS awarded vendors to ensure required documentation is submitted to the contracting agency as required by law. Failure to comply with these requirements may result in a suspension of the vendor's TIPS/TAPS contract.
    g. For more details, assistance and to obtain copies of the reuired forms and posters please visit the following website: http://www.dol.gov/whd/contracts/dbra.htm
    h. Please be aware that the Davis-Bacon Act requirements are not the only requirements that must be met by vendors and contarcting agenies. Other requirements related to construction activies include: bonding, engineering, architectural and licensing. These requirements vary by state. TIPS/TAPS vendors and cooperative members should always work closely together to ensure all requirements are met as dicated by law.

1.02 WAGE DETERMING FACTOR

A. Use the current version of the Davis-Bacon Act Building Construction Wage Rates for General Decision Number: TX100006 - 03/12-2010, TX6, Cameron & Hidalgo County, Texas (refer to attached document following this section).

END OF SECTION

SECTION 01 10 00
SUMMARY

PART 1 GENERAL

1.01 PROJECT

A. Project Name: Hidalgo County Precinct 2, New Vehicle Maintenance Facility.

B. Owner's Name: County of Hidalgo.

C. Architect's Name: ERO Architects - Eli R. Ochoa, PE, AIA (956-661-0400.

D. The Project consists of the construction of new stand alone buildings and associated items.

1.02 CONTRACT DESCRIPTION

A. Contract Type: A single prime contract based on a Stipulated Price as described in Document 00 52 00 - Agreement Form.

1.03 WORK BY OWNER

A. Items noted NIC (Not in Contract) will be supplied and installed by County of Hidalgo before Substantial Completion. Some items include:
   1. Furnishings.
   2. Small equipment.
   3. Artwork.

1.04 OWNER OCCUPANCY

A. County of Hidalgo intends to occupy the Project upon Substantial Completion.

B. Cooperate with County of Hidalgo to minimize conflict and to facilitate County of Hidalgo's operations.

1.05 CONTRACTOR USE OF SITE AND PREMISES

A. Construction Operations: Limited to areas noted on Drawings.

B. Arrange use of site and premises to allow:
   1. Work by Others.

C. Provide access to and from site as required by law and by County of Hidalgo:
   1. Emergency Building Exits During Construction: Keep all exits required by code open during construction period; provide temporary exit signs if exit routes are temporarily altered.
   2. Do not obstruct roadways, sidewalks, or other public ways without permit.

D. Existing building spaces may not be used for storage.

E. Utility Outages and Shutdown:
   1. Limit disruption of utility services to hours the building is unoccupied.
   2. Do not disrupt or shut down life safety systems, including but not limited to fire sprinklers and fire alarm system, without 7 days notice to County of Hidalgo and authorities having jurisdiction.
   3. Prevent accidental disruption of utility services to other facilities.
   4. Do not shut off water, power, gas or any other utilities without written notification to the Owner and Owners approval in writing.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION

SECTION 01 20 00
PRICE AND PAYMENT PROCEDURES

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Procedures for preparation and submittal of applications for progress payments.

B. Documentation of changes in Contract Price and Contract Time.

C. Change procedures.

D. Procedures for preparation and submittal of application for final payment.

1.02 RELATED REQUIREMENTS

A. Document 00 52 00 - Agreement Form: Contract Price, retainages, payment period, monetary values of unit prices.

B. Document 00 72 00 - General Conditions : Additional requirements for progress payments, final payment, changes in the Work.

C. Section 01 21 00 - Allowances: Payment procedures relating to allowances.

1.03 SCHEDULE OF VALUES

A. The entire construction contract amount shall be broken down in the General Contractor's Schedule of Values.
   1. Each value must have a separate line item for materials and labor.
   2. Each phase of construction must be broken out on separate line item.

B. Electronic media printout including equivalent information will be considered in lieu of standard form specified; submit sample to ERO Architects for approval.

C. Forms filled out by hand will not be accepted.

D. Submit a printed schedule on AIA Form G703 - Application and Certificate for Payment Continuation Sheet. Contractor's standard form or electronic media printout will be considered.

E. Submit Schedule of Values in duplicate within 15 days after date of Owner-Contractor Agreement.

F. Format: Utilize the Table of Contents of this Project Manual. Identify each line item with number and title of the specification Section. Identify site mobilization and bonds and insurance.

G. Include in each line item, the amount of Allowances specified in this section. For unit cost Allowances, identify quantities taken from Contract Documents multiplied by the unit cost to achieve the total for the item.

H. Include in the Schedule of Values, each line item, all of the General Contractor's overhead and profit.

I. Revise schedule to list approved Change Orders, with each Application For Payment, during the course of the project.

1.04 APPLICATIONS FOR PROGRESS PAYMENTS

A. Payment Period: Submit at intervals stipulated in the Agreement.

B. Electronic media printout including equivalent information will be considered in lieu of standard form specified; submit sample to ERO Architects for approval.

C. Forms filled out by hand will not be accepted.

D. Present required information on electronic media printout.

E. Form: AIA G702 Application and Certificate for Payment and AIA G703 - Continuation Sheet including continuation sheets when required.

F. For each item, provide a column for listing each of the following:
   1. Item Number.
   2. Description of work.
   3. Scheduled Values.
   4. Previous Applications.

5. Work in Place and Stored Materials under this Application.
6. Authorized Change Orders.
7. Total Completed and Stored to Date of Application.
8. Percentage of Completion.
9. Balance to Finish.
10. Retainage.

G. Execute certification by signature of authorized officer.

H. Use data from approved Schedule of Values. Provide dollar value in each column for each line item for portion of work performed and for stored products.

I. List each authorized Change Order as a separate line item, listing Change Order number and dollar amount as for an original item of Work.

J. Submit three copies of each Application for Payment.

K. Include the following with the application:
1. Transmittal letter as specified for Submittals in Section 01 30 00.
2. Construction progress schedule, revised and current as specified in Section 01 30 00.
3. Current construction photographs specified in Section 01 30 00.
4. Affidavits attesting to off-site stored products. Pictures and invoices are required of all product or material stored.

L. When ERO Architects requires substantiating information, submit data justifying dollar amounts in question. Provide one copy of data with cover letter for each copy of submittal. Show application number and date, and line item by number and description.

1.05 MODIFICATION PROCEDURES

A. For minor changes not involving an adjustment to the Contract Price or Contract Time, ERO Architects will issue instructions directly to Contractor.

B. ERO Architects will advise of changes in the Work not involving an adjustment to Contract Sum or Contract Time as authorized by the Conditions of the Contract by issuing supplemental instructions on AIA Form G710.

C. For other required changes, ERO Architects will issue a document signed by County of Hidalgo instructing Contractor to proceed with the change, for subsequent inclusion in an Allowance Expediture Authorization or Change Order.
1. The document will describe the required changes and will designate method of determining any change in Contract Price or Contract Time.
2. Promptly execute the change.

D. For changes for which advance pricing is desired, ERO Architects will issue a document that includes a detailed description of a proposed change with supplementary or revised drawings and specifications, a change in Contract Time for executing the change and the period of time during which the requested price will be considered valid. Contractor shall prepare and submit a fixed detailed price quotation within 30 days.

E. Contractor may propose a change by submitting a request for change to ERO Architects, describing the proposed change and its full effect on the Work, with a statement describing the reason for the change, and the effect on the Contract Price and Contract Time with full documentation and a statement describing the effect on Work by separate or other contractors.

F. Computation of Change in Contract Amount: As specified in the Agreement and Conditions of the Contract.
1. For change requested by ERO Architects for work falling under a fixed price contract, the amount will be based on Contractor's detailed, itemized price quotation.
2. For change requested by Contractor, the amount will be based on the Contractor's request for a Change Order as approved by ERO Architects.
3. For pre-determined unit prices and quantities, the amount will based on the fixed unit prices.

G. Substantiation of Costs: Provide full information required for evaluation.
1. Provide following data:
a. Quantities of products, labor, and equipment.

b. Itemized unit cost of products, labor and equipment
c. Taxes, insurance, and bonds.
d. Contractor overhead and profit (only if cost is not paid via an existing allowance or contingency).
e. Justification for any change in Contract Time.
f. Credit for deletions from Contract, similarly documented.

2. Support each claim for additional costs with additional information:
   a. Origin and date of claim.
   b. Dates and times work was performed, and by whom.
   c. Time records and wage rates paid.
   d. Invoices and receipts for products, equipment, and subcontracts, similarly documented.
3. For Time and Material work, submit itemized account and supporting data after completion of change, within time limits indicated in the Conditions of the Contract.

H. Execution of Change Orders: ERO Architects will issue Change Orders for signatures of parties as provided in the Conditions of the Contract.

I. After execution of Change Order, promptly revise Schedule of Values and Application for Payment forms to record each authorized Change Order as a separate line item and adjust the Contract Sum.

J. Execution of Allowance Expenditure Authorizations: ERO Architects will issue Allowance Expenditiure Authorizations for signatures of parties as provided in the Conditions of the Contract

K. Promptly revise progress schedules to reflect any change in Contract Time, revise sub-schedules to adjust times for other items of work affected by the change, and resubmit.

L. Promptly enter changes in Project Record Documents.

1.06 APPLICATION FOR FINAL PAYMENT

A. Prepare Application for Final Payment as specified for progress payments, identifying total adjusted Contract Sum, previous payments, and sum remaining due.

B. Application for Final Payment will not be considered until the following have been accomplished:
   1. All closeout procedures specified in Section 01 70 00.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION

SECTION 01 21 00
ALLOWANCES

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Contingency allowance.

B. Inspecting and testing allowances.

1.02 RELATED REQUIREMENTS

A. Section 01 20 00 - Price and Payment Procedures: Additional payment and modification procedures.

1.03 CONTINGENCY ALLOWANCE

A. Contractor's costs for products, delivery, installation, equipment rental, will be included in Allowance Expenditure Authorizations (AEAs) authorizing expenditure of funds from Contingency Allowance(s). Allowance Expenditure Authorizations do not include labor, insurance, payroll, taxes, bonding.

B. Contractor overhead and profit is cannot be included in an Allowance Expenditure Authorization, given contingency funds are already part of the contract sum.

C. Funds will be drawn from the Contingency Allowance only by an Owner approved Allowance Expenditure.

D. At closeout of Contract, funds remaining in Contingency Allowance(s) will be credited to Owner by Change Order.

1.04 INSPECTING AND TESTING ALLOWANCES

A. Contractor is to provided quotations from three Testing Agencies for Owner review and approval prior to proceeding with this work.

B. Costs Included in Inspecting and Testing Allowances: Cost of engaging an inspecting or testing agency; execution of inspecting and tests; and reporting results.

C. Costs Not Included in the Inspecting and Testing Allowances:
   1. Costs of incidental labor and facilities required to assist inspecting or testing agency.
   2. Costs of testing services used by Contractor separate from Contract Document requirements.
   3. Costs of retesting upon failure of previous tests as determined by ERO Architects.

D. Payment Procedures:
   1. Submit one copy of the inspecting or testing firm's invoice with next application for payment.
   2. Pay invoice on approval by ERO Architects.

1.05 ALLOWANCES SCHEDULE

A. Architect's Standard Level of Care Allowance in the stipulated sum of Thirty Thousand Dollars ($35,000).
   1. Funds will be drawn from the Allowance only by Allowance Expenditure Authorization. Allowance should only be used for unforseen circumstances, unless otherwise approved by the Owner. Allowance could be used for, but is not limited to, architectural items, engineering items.
   2. At close-out of the Construction Contract, funds remaining in the Construction Expensure Allowance will be credited to the Owner by Change Order.

B. Owner Contengency Allowance: include the stipulated sum of Thirty Thousand Dollars ($35,000). Funds will be drawn similar to the Expendure Allowance only by Change Order.

C.

D. HVAC Testing, Adjusting, and Balancing Allowance: Include the sum of $20,000.00 for testing, adjusting, and balancing mechanical systems as specified in Section 23 05 83.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION

SECTION 01 23 00
ALTERNATES

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Description of alternates.

B. Procedures for pricing alternates.

C. Documentation of changes to Contract Sum and Contract Time.

1.02 RELATED REQUIREMENTS

A. Document 00 21 13 - Instructions to Bidders: Instructions for preparation of pricing for alternatives.

B. Document 00 43 23 - Alternates Form: List of alternatives as supplement to Bid Form.

C. Document 00 52 00 - Agreement Form: Incorporating monetary value of accepted alternatives.

1.03 ACCEPTANCE OF ALTERNATES

A. Alternates quoted on Bid Forms will be reviewed and accepted or rejected at County of Hidalgo's option. Accepted alternates will be identified in the Owner-Contractor Agreement.

B. Coordinate related work and modify surrounding work to integrate the Work of each alternate.

1.04 SCHEDULE OF ALTERNATES

A. Alternate No. 01 - Covered parking canopies:
   1. This Alternate shall establish the amount to be added to or deducted from the Base Proposal for the Cost of including the Covered parking canopies in its their entirety as shown on the contract drawings.

B. Alternate No. 02 - Epoxy Floor - Maintenance Building - Shop Bays:
   1. This Alternate shall establish the amount to be added to or deducted from the Base Proposal for the Cost of providing a Resinous floor finish in the Maintanence Building Shop bays M105, M106, M107 and Parts storage M108 (Specification Section 09 67 23) in lieu of the sealed concrete scheduled in the base bid.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION

SECTION 01 30 00
ADMINISTRATIVE REQUIREMENTS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Preconstruction meeting.
B. Site mobilization meeting.
C. Progress meetings.
D. Construction progress schedule.
E. Progress photographs.
F. Coordination drawings.
G. Submittals for review, information, and project closeout.
H. Number of copies of submittals.
I. Submittal procedures.

1.02 RELATED REQUIREMENTS

A. Document 00 72 00 - General Conditions: Dates for applications for payment.
B. Section 01 70 00 - Execution and Closeout Requirements: Additional coordination requirements.
C. Section 01 78 00 - Closeout Submittals: Project record documents.

1.03 PROJECT COORDINATION

A. Project Coordinator: General Contractor.
B. During construction, coordinate use of site and facilities through the Project Coordinator.
C. Make the following types of submittals to ERO Architects through the Project Coordinator:
    1. Requests for interpretation.
    2. Requests for substitution.
    3. Shop drawings, product data, and samples.
    4. Test and inspection reports.
    5. Manufacturer's instructions and field reports.
    6. Applications for payment and change order requests.
    7. Progress schedules.
    8. Coordination drawings.
    9. Closeout submittals.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION

3.01 PRECONSTRUCTION MEETING

A. ERO Architects or General Constractor will schedule a meeting after Notice of Award.
B. Attendance Required:
    1. County of Hidalgo selected representatives.
    2. ERO Architects and Design Consultants.
    3. The General Contractor and sub-contractors.
C. Agenda:
    1. Execution of County of Hidalgo-Contractor Agreement.
    2. Submission of executed bonds and insurance certificates.
    3. Distribution of Contract Documents.
    4. Submission of list of Subcontractors, list of Products, schedule of values, and progress schedule.
    5. Designation of personnel representing the parties to Contract, County of Hidalgo and ERO Architects.

6. Procedures and processing of field decisions, submittals, substitutions, applications for payments, proposal request, Change Orders, and Contract closeout procedures.
7. Observations of the Work and deficiency reports by the Owner and Architect.
8. Scheduling.
9. Scheduling activities of a Geotechnical Engineer.

D. Project Coordinator shall record minutes and distribute copies within three days after meeting to participants, with two copies to ERO Architects, County of Hidalgo, participants, and those affected by decisions made.

3.02 SITE MOBILIZATION MEETING

A. County of Hidalgo will schedule a meeting at the Project site prior to Contractor occupancy.

B. Attendance Required:
1. Contractor.
2. County of Hidalgo.
3. ERO Architects.
4. Special Consultants.
5. Contractors Superintendent.
6. Major Subcontractors.

C. Agenda:
1. Use of premises by County of Hidalgo
2. County of Hidalgo's requirements .
3. Survey and building layout.
4. Security and housekeeping procedures.
5. Schedules.
6. Application for payment procedures.
7. Procedures for testing.
8. Procedures for maintaining record documents.
9. Requirements for start-up of equipment.
10. Inspection and acceptance of equipment put into service during construction period.

D. Project Coordinator shall record minutes and distribute copies within three days after meeting to participants, with two copies to ERO Architects, County of Hidalgo, participants, and those affected by decisions made.

3.03 PROGRESS MEETINGS

A. Schedule and administer meetings throughout progress of the Work at maximum monthly intervals.

B. General Contractor shall make arrangements for meetings, prepare agenda with copies for participants, preside at meetings.

C. Attendance Required: Job superintendent, major Subcontractors and suppliers, County of Hidalgo, ERO Architects, as appropriate to agenda topics for each meeting.

D. Agenda:
1. Review minutes of previous meetings.
2. Review of Work progress.
3. Field observations, problems, and decisions.
4. Identification of problems that impede, or will impede, planned progress.
5. Review of submittals schedule and status of submittals.
6. Review of off-site fabrication and delivery schedules.
7. Maintenance of progress schedule.
8. Corrective measures to regain projected schedules.
9. Planned progress during succeeding work period.
10. Coordination of projected progress.
11. Maintenance of quality and work standards.
12. Effect of proposed changes on progress schedule and coordination.
13. Other business relating to Work.

E. General Contractor shall record minutes and distribute copies within three days after meeting to participants, with two copies to ERO Architects, County of Hidalgo, participants, and those affected by decisions made.

3.04 CONSTRUCTION PROGRESS SCHEDULE

A. Within 10 days after date of the Agreement, submit preliminary schedule defining planned operations for the first 60 days of Work, with a general outline for remainder of Work.

B. If preliminary schedule requires revision after review, submit revised schedule within 10 days.

C. Within 20 days after review of preliminary schedule, submit draft of proposed complete schedule for review.
   1. Include written certification that major contractors have reviewed and accepted proposed schedule.

D. Within 10 days after joint review, submit complete schedule.

E. Submit updated schedule with each Application for Payment.

3.05 PROGRESS PHOTOGRAPHS

A. Submit photographs with each application for payment, taken not more than 3 days prior to submission of application for payment.

B. Maintain one set of all photographs at project site for reference; same copies as submitted, identified as such.

C. Photography Type: Digital; electronic files.

D. Provide photographs of site and construction throughout progress of Work produced by an experienced photographer, acceptable to ERO Architects.

E. In addition to periodic, recurring views, take photographs of each of the following events:
   1. Completion of site clearing.
   2. Excavations in progress.
   3. Foundations in progress and upon completion.
   4. Structural framing in progress and upon completion.
   5. Enclosure of building, upon completion.
   6. Final completion, minimum of ten (10) photos.

F. Views:
   1. Consult with ERO Architects for instructions on views required.
   2. Provide correct exposure and focus, high resolution and sharpness, maximum depth of field, and minimum distortion.

G. Digital Photographs: 24 bit color, minimum resolution of 1024 by 768, in JPG format; provide files unaltered by photo editing software.
   1. Delivery Medium: Via email.
   2. File Naming: Include project identification, date and time of view, and view identification.
   3. PDF File: Assemble all photos into printable pages in PDF format, with 2 to 3 photos per page, each photo labeled with file name; one PDF file per submittal.

3.06 COORDINATION DRAWINGS

A. Provide information required by Project Coordinator for preparation of coordination drawings.

B. Review drawings prior to submission to ERO Architects.

3.07 SUBMITTALS FOR REVIEW

A. When the following are specified in individual sections, submit them for review:
   1. Product data.
   2. Shop drawings.
   3. Samples for selection.
   4. Samples for verification.

B. Submit to ERO Architects for review for the limited purpose of checking for conformance with information given and the design concept expressed in the contract documents.

C. Samples will be reviewed only for aesthetic, color, or finish selection.

D. After review, provide copies and distribute in accordance with SUBMITTAL PROCEDURES article below and for record documents purposes described in Section 01 78 00 - CLOSEOUT SUBMITTALS.

3.08 SUBMITTALS FOR INFORMATION

A. When the following are specified in individual sections, submit them for information:
   1. Design data.
   2. Certificates.
   3. Test reports.
   4. Inspection reports.
   5. Manufacturer's instructions.
   6. Manufacturer's field reports.
   7. Other types indicated.

B. Submit for ERO Architects's knowledge as contract administrator or for County of Hidalgo. No action will be taken.

3.09 SUBMITTALS FOR PROJECT CLOSEOUT

A. When the following are specified in individual sections, submit them at project closeout:
   1. Project record documents.
   2. Operation and maintenance data.
   3. Warranties.
   4. Bonds.
   5. Other types as indicated.

B. Submit for County of Hidalgo's benefit during and after project completion.

3.10 NUMBER OF COPIES OF SUBMITTALS

A. Documents for Review:
   1. Small Size Sheets, Not Larger Than 8-1/2 x 11 inches: Submit the number of copies that Contractor requires, plus two copies that will be retained by ERO Architects.
   2. Larger Sheets, Not Larger Than 24x36 inches: Submit the number of opaque reproductions that requires, plus two copies that will be retained by ERO Architects.

B. Documents for Information: Submit two copies.

C. Extra Copies at Project Closeout: See Section 01 78 00.

D. Samples: Submit the number specified in individual specification sections; one of which will be retained by ERO Architects.
   1. After review, produce duplicates.
   2. Retained samples will not be returned to Contractor unless specifically so stated.

3.11 SUBMITTAL PROCEDURES

A. Transmit each submittal with approved form.

B. Sequentially number the transmittal form. Revise submittals with original number and a sequential alphabetic suffix.

C. Identify Project, Contractor, Subcontractor or supplier; pertinent drawing and detail number, and specification section number, as appropriate on each copy.

D. Apply Contractor's stamp, signed or initialed certifying that review, approval, verification of Products required, field dimensions, adjacent construction Work, and coordination of information is in accordance with the requirements of the Work and Contract Documents.

E. Deliver submittals to ERO Architects at business address.

F. Schedule submittals to expedite the Project, and coordinate submission of related items.

G. For each submittal for review, allow 15 days excluding delivery time to and from the Contractor.

H. Identify variations from Contract Documents and Product or system limitations that may be detrimental to successful performance of the completed Work.

I. Provide space for Contractor and ERO Architects review stamps.

J. When revised for resubmission, identify all changes made since previous submission.

K. Distribute reviewed submittals as appropriate. Instruct parties to promptly report any inability to comply with requirements.

L. Submittals not requested will not be recognized or processed.

END OF SECTION

SECTION 01 32 16
CONSTRUCTION PROGRESS SCHEDULE

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Preliminary schedule.

B. Construction progress schedule, bar chart type.

1.02 RELATED SECTIONS

A. Section 01 10 00 - Summary: Work sequence.

1.03 REFERENCES

A. AGC (CPSM) - Construction Planning and Scheduling Manual; Associated General Contractors of America; 2004.

B. M-H (CPM) - CPM in Construction Management - Project Management with CPM, O'Brien, McGraw-Hill Book Company; 2006.

1.04 SUBMITTALS

A. Within 10 days after date of Agreement, submit preliminary schedule defining planned operations for the first 60 days of Work, with a general outline for remainder of Work. Provide a list of products which have a long lead-time and will need to be prioritized in the project schedule.

B. If preliminary schedule requires revision after review, submit revised schedule within 10 days.

C. Within 20 days after review of preliminary schedule, submit draft of proposed complete schedule for review.
   1. Include written certification that major contractors have reviewed and accepted proposed schedule.

D. Within 10 days after joint review, submit complete schedule.

E. Submit updated schedule with each Application for Payment.

F. Submit the number of opaque reproductions that Contractor requires, plus two copies that will be retained by ERO Architects.

1.05 QUALITY ASSURANCE

A. Scheduler: personnel or specialist Consultant specializing in CPM scheduling with five years minimum experience in scheduling construction work of a complexity comparable to this Project, and having use of computer facilities capable of delivering a detailed graphic printout within 48 hours of request.

1.06 SCHEDULE FORMAT

A. Listings: In chronological order according to the start date for each activity. Identify each activity with the applicable specification section number.

B. Diagram Sheet Size: Maximum 11x17 inches or width required.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION

3.01 PRELIMINARY SCHEDULE

A. Prepare preliminary schedule in the form of a horizontal bar chart.

3.02 CONTENT

A. Show complete sequence of construction by activity, with dates for beginning and completion of each element of construction.

B. Identify each item by specification section number.

C. Identify work of separate stages and other logically grouped activities.

D. Provide sub-schedules to define critical portions of the entire schedule.

E. Show accumulated percentage of completion of each item, and total percentage of Work completed, as of the first day of each month.

F. Provide separate schedule of submittal dates for shop drawings, product data, and samples, owner-furnished products, Products identified under Allowances, and dates reviewed submittals will be required from ERO Architects. Indicate decision dates for selection of finishes.

G. Indicate delivery dates for owner-furnished products.

H. Coordinate content with schedule of values specified in Section 01 20 00.

I. Provide legend for symbols and abbreviations used.

3.03 BAR CHARTS

A. Include a separate bar for each major portion of Work or operation.

B. Identify the first work day of each week.

3.04 REVIEW AND EVALUATION OF SCHEDULE

A. Participate in joint review and evaluation of schedule with ERO Architects at each submittal.

B. Evaluate project status to determine work behind schedule and work ahead of schedule.

C. After review, revise as necessary as result of review, and resubmit within 10 days.

3.05 UPDATING SCHEDULE

A. Maintain schedules to record actual start and finish dates of completed activities.

B. Indicate progress of each activity to date of revision, with projected completion date of each activity.

C. Annotate diagrams to graphically depict current status of Work.

D. Identify activities modified since previous submittal, major changes in Work, and other identifiable changes.

E. Indicate changes required to maintain Date of Substantial Completion.

F. Submit reports required to support recommended changes.

G. Provide narrative report to define problem areas, anticipated delays, and impact on the schedule. Report corrective action taken or proposed and its effect including the effects of changes on schedules of separate contractors.

3.06 DISTRIBUTION OF SCHEDULE

A. Distribute copies of updated schedules to Contractor's project site file, to Subcontractors, suppliers, ERO Architects, County of Hidalgo, and other concerned parties.

B. Instruct recipients to promptly report, in writing, problems anticipated by projections shown in schedules.

END OF SECTION

SECTION 01 35 53
SECURITY PROCEDURES

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Security measures including entry control and personnel identification.

1.02 RELATED REQUIREMENTS

A. Section 01 10 00 - Summary: use of premises and occupancy.

B. Section 01 50 00 - Temporary Facilities and Controls: Temporary lighting.

1.03 ENTRY CONTROL

A. Restrict entrance of persons and vehicles into Project site .

B. Allow entrance only to authorized persons with proper identification.

C. Maintain log of workers and visitors, make available to County of Hidalgo on request.

1.04 PERSONNEL IDENTIFICATION

A. Provide identification badge to each person authorized to enter premises.

B. Require return of badges at expiration of their employment on the Work.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION

SECTION 01 40 00
QUALITY REQUIREMENTS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. References and standards.

B. Mock-ups.

C. Control of installation.

D. Tolerances.

E. Testing and inspection services.

F. Manufacturers' field services.

1.02 RELATED REQUIREMENTS

A. Document 00 31 00 - Available Project Information: Soil investigation data.

B. Document 00 72 00 - General Conditions: Inspections and approvals required by public authorities.

C. Section 01 21 00 - Allowances: Allowance for payment of testing services.

D. Section 01 30 00 - Administrative Requirements: Submittal procedures.

E. Section 01 42 16 - Definitions.

F. Section 01 42 19 - Reference Standards.

G. Section 01 60 00 - Product Requirements: Requirements for material and product quality.

1.03 REFERENCE STANDARDS

A. ASTM C1021 - Standard Practice for Laboratories Engaged in Testing of Building Sealants; 2008.

B. ASTM C1077 - Standard Practice for Laboratories Testing Concrete and Concrete Aggregates for Use in Construction and Criteria for Laboratory Evaluation; 2011c.

C. ASTM C1093 - Standard Practice for Accreditation of Testing Agencies for Masonry; 2012.

D. ASTM D3740 - Standard Practice for Minimum Requirements for Agencies Engaged in the Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction; 2012a.

E. ASTM E329 - Standard Specification for Agencies Engaged Construction Inspection and/or Testing; 2011.

F. ASTM E543 - Standard Specification for Agencies Performing Nondestructive Testing; 2009.

1.04 SUBMITTALS

A. Testing Agency Qualifications:
   1. Prior to start of Work, submit agency name, address, and telephone number, and names of full time registered Engineer and responsible officer.
   2. Submit copy of report of laboratory facilities inspection made by NIST Construction Materials Reference Laboratory during most recent inspection, with memorandum of remedies of any deficiencies reported by the inspection.

B. Design Data: Submit for ERO Architects's knowledge as contract administrator for the limited purpose of assessing conformance with information given and the design concept expressed in the contract documents, or for County of Hidalgo's information.

C. Test Reports: After each test/inspection, promptly submit two copies of report to ERO Architects and to Contractor.
   1. Include:
      a. Date issued.
      b. Project title and number.
      c. Name of inspector.
      d. Date and time of sampling or inspection.

e. Identification of product and specifications section.
f. Location in the Project.
g. Type of test/inspection.
h. Date of test/inspection.
i. Results of test/inspection.
j. Conformance with Contract Documents.
k. When requested by ERO Architects, provide interpretation of results.

2. Test report submittals are for ERO Architects's knowledge as contract administrator for the limited purpose of assessing conformance with information given and the design concept expressed in the contract documents, or for County of Hidalgo's information.

D. Certificates: When specified in individual specification sections, submit certification by the manufacturer and Contractor or installation/application subcontractor to ERO Architects, in quantities specified for Product Data.
1. Indicate material or product conforms to or exceeds specified requirements. Submit supporting reference data, affidavits, and certifications as appropriate.
2. Certificates may be recent or previous test results on material or product, but must be acceptable to ERO Architects.

E. Manufacturer's Instructions: When specified in individual specification sections, submit printed instructions for delivery, storage, assembly, installation, start-up, adjusting, and finishing, for the County of Hidalgo's information. Indicate special procedures, perimeter conditions requiring special attention, and special environmental criteria required for application or installation.

F. Manufacturer's Field Reports: Submit reports for ERO Architects's benefit as contract administrator or for County of Hidalgo.
1. Submit report in duplicate within 30 days of observation to ERO Architects for information.
2. Submit for information for the limited purpose of assessing conformance with information given and the design concept expressed in the contract documents.

G. Erection Drawings: Submit drawings for ERO Architects's benefit as contract administrator or for County of Hidalgo.
1. Submit for information for the limited purpose of assessing conformance with information given and the design concept expressed in the contract documents.
2. Data indicating inappropriate or unacceptable Work may be subject to action by ERO Architects or County of Hidalgo.

1.05 REFERENCES AND STANDARDS

A. For products and workmanship specified by reference to a document or documents not included in the Project Manual, also referred to as reference standards, comply with requirements of the standard, except when more rigid requirements are specified or are required by applicable codes.

B. Conform to reference standard of date of issue current on date of Contract Documents, except where a specific date is established by applicable code.

C. Obtain copies of standards where required by product specification sections.

D. Maintain copy at project site during submittals, planning, and progress of the specific work, until Substantial Completion.

E. Should specified reference standards conflict with Contract Documents, request clarification from ERO Architects before proceeding.

1.06 OWNER-PROVIDED TESTING AND INSPECTION AGENCIES

A. County of Hidalgo will employ and pay for services of an independent testing agency to perform specified testing which is not required to be provided by the Contractor.

B. Employment of agency in no way relieves of obligation to perform Work in accordance with requirements of Contract Documents.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION

3.01 CONTROL OF INSTALLATION

A. Monitor quality control over suppliers, manufacturers, products, services, site conditions, and workmanship, to produce Work of specified quality.

B. Comply with manufacturers' instructions, including each step in sequence.

C. Should manufacturers' instructions conflict with Contract Documents, request clarification from ERO Architects before proceeding.

D. Comply with specified standards as minimum quality for the Work except where more stringent tolerances, codes, or specified requirements indicate higher standards or more precise workmanship.

E. Have Work performed by persons qualified to produce required and specified quality.

F. Verify that field measurements are as indicated on shop drawings or as instructed by the manufacturer.

G. Secure products in place with positive anchorage devices designed and sized to withstand stresses, vibration, physical distortion, and disfigurement.

3.02 MOCK-UPS

A. Tests will be performed under provisions identified in this section and identified in the respective product specification sections.

B. Assemble and erect specified items with specified attachment and anchorage devices, flashings, seals, and finishes.

C. Accepted mock-ups shall be a comparison standard for the remaining Work.

D. Where mock-up has been accepted by ERO Architects and is specified in product specification sections to be removed, remove mock-up and clear area when directed to do so.

3.03 TOLERANCES

A. Monitor fabrication and installation tolerance control of products to produce acceptable Work. Do not permit tolerances to accumulate.

B. Comply with manufacturers' tolerances. Should manufacturers' tolerances conflict with Contract Documents, request clarification from ERO Architects before proceeding.

C. Adjust products to appropriate dimensions; position before securing products in place.

3.04 TESTING AND INSPECTION

A. See individual specification sections for testing required.

B. Testing Agency Duties:
   1. Provide qualified personnel at site. Cooperate with ERO Architects and Contractor in performance of services.
   2. Perform specified sampling and testing of products in accordance with specified standards.
   3. Ascertain compliance of materials and mixes with requirements of Contract Documents.
   4. Promptly notify ERO Architects and Contractor of observed irregularities or non-conformance of Work or products.
   5. Perform additional tests and inspections required by ERO Architects.
   6. Attend preconstruction meetings and progress meetings.
   7. Submit reports of all tests/inspections specified.

C. Limits on Testing/Inspection Agency Authority:
   1. Agency may not release, revoke, alter, or enlarge on requirements of Contract Documents.
   2. Agency may not approve or accept any portion of the Work.
   3. Agency may not assume any duties of Contractor.
   4. Agency has no authority to stop the Work.

D. Contractor Responsibilities:

1. Deliver to agency at designated location, adequate samples of materials proposed to be used that require testing, along with proposed mix designs.
2. Cooperate with laboratory personnel, and provide access to the Work and to manufacturers' facilities.
3. Provide incidental labor and facilities:
   a. To provide access to Work to be tested/inspected.
   b. To obtain and handle samples at the site or at source of Products to be tested/inspected.
   c. To facilitate tests/inspections.
   d. To provide storage and curing of test samples.
4. Notify ERO Architects and laboratory 24 hours prior to expected time for operations requiring testing/inspection services.
5. Employ services of an independent qualified testing laboratory and pay for additional samples, tests, and inspections required by Contractor beyond specified requirements.
6. Arrange with County of Hidalgo's agency and pay for additional samples, tests, and inspections required by Contractor beyond specified requirements.

E. Re-testing required because of non-conformance to specified requirements shall be performed by the same agency on instructions by ERO Architects.

F. Re-testing required because of non-conformance to specified requirements shall be paid for by the General Contractor.

G. Re-testing required because of non-conformance to specified requirements shall be performed by the same agency on instructions by ERO Architects. Payment for re-testing will be charged to the General Contractor by deducting testing charges from the Contract Price.

3.05 MANUFACTURERS' FIELD SERVICES

A. When specified in individual specification sections, require material or product suppliers or manufacturers to provide qualified staff personnel to observe site conditions, conditions of surfaces and installation, quality of workmanship, as applicable, and to initiate instructions when necessary.

B. Submit qualifications of observer to ERO Architects 30 days in advance of required observations.
   1. Observer subject to approval of ERO Architects.

C. Report observations and site decisions or instructions given to applicators or installers that are supplemental or contrary to manufacturers' written instructions.

3.06 DEFECT ASSESSMENT

A. Replace Work or portions of the Work not conforming to specified requirements.

B. If, in the opinion of ERO Architects, it is not practical to remove and replace the Work, ERO Architects will direct an appropriate remedy or adjust payment.

END OF SECTION

SECTION 01 42 16
DEFINITIONS

PART 1 GENERAL

1.01 SUMMARY

A. Other definitions are included in individual specification sections.

1.02 DEFINITIONS

A. Furnish: To supply, deliver, unload, and inspect for damageand.

B. Install: To unpack, assemble, erect, apply, place, finish, cure, protect, clean, start up, and make ready for use.

C. Product: Material, machinery, components, equipment, fixtures, and systems forming the work result. Not materials or equipment used for preparation, fabrication, conveying, or erection and not incorporated into the work result. Products may be new, never before used, or re-used materials or equipment.

D. Project Manual: The book-sized volume that includes the procurement requirements (if any), the contracting requirements, and the specifications.

E. Provide: To furnish and install.

F. Supply: Same as Furnish.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION

SECTION 01 50 00
TEMPORARY FACILITIES AND CONTROLS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Temporary utilities.

B. Temporary telecommunications services.

C. Temporary telephone service.

D. Temporary sanitary facilities.

E. Temporary Controls: Barriers, enclosures, and fencing.

F. Security requirements.

G. Vehicular access and parking.

H. Project identification sign.

I. Field offices.

1.02 TEMPORARY UTILITIES

A. Provide and pay for all electrical power, lighting, water, heating and cooling, and ventilation required for construction purposes.

B. Existing facilities may not be used.

C. Use trigger-operated nozzles for water hoses, to avoid waste of water.

1.03 TELECOMMUNICATIONS SERVICES

A. Provide, maintain, and pay for telecommunications services to field office at time of project mobilization.

B. Telecommunications services shall include:

1. Windows-based personal computer dedicated to project telecommunications, with necessary software and laser printer.
2. Telephone Land Lines: One line, minimum; one handset per line.
3. Internet Connections: Minimum of one; DSL modem or faster.
4. Wireless Internet Access
5. Facsimile Service: Minimum of one dedicated fax machine/printer, with dedicated phone line.

1.04 TEMPORARY SANITARY FACILITIES

A. Provide and maintain required facilities and enclosures. Provide at time of project mobilization.

B. Maintain daily in clean and sanitary condition.

C. At end of construction, return facilities to same or better condition as originally found.

1.05 BARRIERS

A. Provide barriers to prevent unauthorized entry to construction areas, to prevent access to areas that could be hazardous to workers or the public, to allow for owner's use of site and to protect existing facilities and adjacent properties from damage from construction operations and demolition.

B. Provide barricades and covered walkways required by governing authorities for public rights-of-way and for public access to existing building.

C. Protect non-owned vehicular traffic, stored materials, site, and structures from damage.

D. Traffic Controls: Signage for construction entrances and parking.

1.06 FENCING

A. Construction: Commercial grade chain link fence.

B. Provide 6 foot high fence around construction site; equip with vehicular and pedestrian gates with locks.

1.07 EXTERIOR ENCLOSURES

A. Provide temporary insulated weather tight closure of exterior openings to accommodate acceptable working conditions and protection for Products, to allow for temporary heating and maintenance of required ambient temperatures identified in individual specification sections, and to prevent entry of unauthorized persons. Provide access doors with self-closing hardware and locks.

1.08 SECURITY

A. Provide security and facilities to protect Work, and County of Hidalgo's operations from unauthorized entry, vandalism, or theft.

B. Coordinate with County of Hidalgo's security program.

1.09 VEHICULAR ACCESS AND PARKING

A. Comply with regulations relating to use of streets and sidewalks, access to emergency facilities, and access for emergency vehicles.

B. Coordinate access and haul routes with governing authorities and County of Hidalgo.

C. Provide and maintain access to fire hydrants, free of obstructions.

D. Provide means of removing mud from vehicle wheels before entering streets.

E. Designated existing on-site roads may be used for construction traffic.

F. Provide temporary parking areas to accommodate construction personnel. When site space is not adequate, provide additional off-site parking.

G. Do not allow vehicle parking on existing pavement.

H. Designate two parking spaces for County of Hidalgo and ERO Architects use.

1.10 PROJECT IDENTIFICATION

A. Provide project identification sign of design and construction indicated on Drawings.

B. Erect on site at location indicated.

C. No signs are allowed without County of Hidalgo permission except those required by law.

1.11 FIELD OFFICES

A. Office: Weathertight, with lighting, electrical outlets, heating, cooling equipment, and equipped with sturdy furniture, drawing rack and drawing display table.

B. Provide space for Project meetings, with table and chairs to accommodate 6 persons.

C. Locate offices a minimum distance of 30 feet from existing and new structures.

1.12 REMOVAL OF UTILITIES, FACILITIES, AND CONTROLS

A. Remove temporary utilities, equipment, facilities, materials, prior to Substantial Completion inspection.

B. Remove underground installations to a minimum depth of 2 feet. Grade site as indicated.

C. Clean and repair damage caused by installation or use of temporary work.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION

SECTION 01 60 00
PRODUCT REQUIREMENTS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. General product requirements.

B. Re-use of existing products.

C. Transportation, handling, storage and protection.

D. Product option requirements.

E. Substitution limitations and procedures.

F. Procedures for County of Hidalgo-supplied products.

G. Maintenance materials, including extra materials, spare parts, tools, and software.

1.02 RELATED REQUIREMENTS

A. Document 00 21 13 - Instructions to Bidders: Product options and substitution procedures prior to bid date.

B. Section 01 40 00 - Quality Requirements: Product quality monitoring.

1.03 REFERENCE STANDARDS

A. 16 CFR 260 - Guides for the Use of Environmental Marketing Claims; Federal Trade Commission; current edition.

B. CAN/CSA Z809 - National Standard for Sustainable Forest Management; CSA International Inc.; 2008.

C. NFPA 70 - National Electrical Code; National Fire Protection Association; Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.

1.04 SUBMITTALS

A. Proposed Products List: Submit list of major products proposed for use, with name of manufacturer, trade name, and model number of each product.
   1. Submit within 15 days after date of Agreement.
   2. For products specified only by reference standards, list applicable reference standards.
   3. Identify products which have a long lead-time and will by priority for early submittal and review.

B. Product Data Submittals: Submit manufacturer's standard published data. Mark each copy to identify applicable products, models, options, and other data. Supplement manufacturers' standard data to provide information specific to this Project.

C. Shop Drawing Submittals: Prepared specifically for this Project; indicate utility and electrical characteristics, utility connection requirements, and location of utility outlets for service for functional equipment and appliances.

D. Sample Submittals: Illustrate functional and aesthetic characteristics of the product, with integral parts and attachment devices. Coordinate sample submittals for interfacing work.
   1. For selection from standard finishes, submit samples of the full range of the manufacturer's standard colors, textures, and patterns.

PART 2 PRODUCTS

2.01 NEW PRODUCTS

A. Provide new products unless specifically required or permitted by the Contract Documents.

2.02 PRODUCT OPTIONS

A. Products Specified by Reference Standards or by Description Only: Use any product meeting those standards or description.

B. Products Specified by Naming One or More Manufacturers: Use a product of one of the manufacturers named and meeting specifications, no options or substitutions allowed.

C. Products Specified by Naming One or More Manufacturers with a Provision for Substitutions: Submit a request for substitution for any manufacturer not named.

2.03 MAINTENANCE MATERIALS

A. Furnish extra materials, spare parts, tools, and software of types and in quantities specified in individual specification sections.

B. Deliver to Project site; obtain receipt prior to final payment.

PART 3 EXECUTION

3.01 SUBSTITUTION PROCEDURES

A. Instructions to Bidders specify time restrictions for submitting requests for substitutions during the bidding period. Comply with requirements specified in this section.

B. Document each request with complete data substantiating compliance of proposed substitution with Contract Documents.

C. A request for substitution constitutes a representation that the submitter:
   1. Has investigated proposed product and determined that it meets or exceeds the quality level of the specified product.
   2. Will provide the same warranty for the substitution as for the specified product.
   3. Will coordinate installation and make changes to other Work that may be required for the Work to be complete with no additional cost to County of Hidalgo.
   4. Waives claims for additional costs or time extension that may subsequently become apparent.
   5. Will reimburse County of Hidalgo and ERO Architects for review or redesign services associated with re-approval by authorities.

D. Substitutions will not be considered when they are indicated or implied on shop drawing or product data submittals, without separate written request, or when acceptance will require revision to the Contract Documents.

E. Substitution Submittal Procedure:
   1. Submit three copies of request for substitution for consideration. Limit each request to one proposed substitution.
   2. Submit shop drawings, product data, and certified test results attesting to the proposed product equivalence. Burden of proof is on proposer.
   3. The ERO Architects will notify Contractor in writing of decision to accept or reject request.

3.02 OWNER-SUPPLIED PRODUCTS

A. County of Hidalgo's Responsibilities:
   1. Arrange for and deliver County of Hidalgo reviewed shop drawings, product data, and samples, to Contractor.
   2. Arrange and pay for product delivery to site.
   3. On delivery, inspect products jointly with Contractor.
   4. Submit claims for transportation damage and replace damaged, defective, or deficient items.
   5. Arrange for manufacturers' warranties, inspections, and service.

B. Contractor's Responsibilities:
   1. Review County of Hidalgo reviewed shop drawings, product data, and samples.
   2. Receive and unload products at site; inspect for completeness or damage jointly with County of Hidalgo.
   3. Handle, store, install and finish products.
   4. Repair or replace items damaged after receipt.

3.03 TRANSPORTATION AND HANDLING

A. Coordinate schedule of product delivery to designated prepared areas in order to minimize site storage time and potential damage to stored materials.

B. Transport and handle products in accordance with manufacturer's instructions.

C. Transport materials in covered trucks to prevent contamination of product and littering of surrounding areas.

D. Promptly inspect shipments to ensure that products comply with requirements, quantities are correct, and products are undamaged.

E. Provide equipment and personnel to handle products by methods to prevent soiling, disfigurement, or damage.

F. Arrange for the return of packing materials, such as wood pallets, where economically feasible.

3.04 STORAGE AND PROTECTION

A. Designate receiving/storage areas for incoming products so that they are delivered according to installation schedule and placed convenient to work area in order to minimize waste due to excessive materials handling and misapplication.

B. Store and protect products in accordance with manufacturers' instructions.

C. Store with seals and labels intact and legible.

D. Store sensitive products in weather tight, climate controlled, enclosures in an environment favorable to product.

E. For exterior storage of fabricated products, place on sloped supports above ground.

F. Provide bonded off-site storage and protection when site does not permit on-site storage or protection. Allstored materials invoiced for on pay application not stored on site must adhere to this requirement.

G. Cover products subject to deterioration with impervious sheet covering. Provide ventilation to prevent condensation and degradation of products.

H. Store loose granular materials on solid flat surfaces in a well-drained area. Prevent mixing with foreign matter.

I. Prevent contact with material that may cause corrosion, discoloration, or staining.

J. Provide equipment and personnel to store products by methods to prevent soiling, disfigurement, or damage.

K. Arrange storage of products to permit access for inspection. Periodically inspect to verify products are undamaged and are maintained in acceptable condition.

END OF SECTION

SECTION 01 70 00
EXECUTION AND CLOSEOUT REQUIREMENTS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Examination, preparation, and general installation procedures.

B. Pre-installation meetings.

C. Surveying for laying out the work.

D. Cleaning and protection.

E. Starting of systems and equipment.

F. Demonstration and instruction of County of Hidalgo personnel.

G. Closeout procedures, except payment procedures.

H. General requirements for maintenance service.

1.02 RELATED REQUIREMENTS

A. Section 01 30 00 - Administrative Requirements: Submittals procedures.

B. Section 01 40 00 - Quality Requirements: Testing and inspection procedures.

C. Section 01 50 00 - Temporary Facilities and Controls: Temporary exterior enclosures.

D. Section 01 78 00 - Closeout Submittals: Project record documents, operation and maintenance data, warranties and bonds.

1.03 REFERENCE STANDARDS

A. NFPA 241 - Standard for Safeguarding Construction, Alteration, and Demolition Operations; 2013.

1.04 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

B. Survey work: Submit name, address, and telephone number of Surveyor before starting survey work.
   1. On request, submit documentation verifying accuracy of survey work.
   2. Submit a copy of site drawing signed by the Land Surveyor, that the elevations and locations of the work are in conformance with Contract Documents.
   3. Submit surveys and survey logs for the project record.

C. Project Record Documents: Accurately record actual locations of capped and active utilities.

1.05 QUALIFICATIONS

A. For survey work, employ a land surveyor registered in Texas and acceptable to ERO Architects. Submit evidence of Surveyor's Errors and Omissions insurance coverage in the form of an Insurance Certificate.

B. For field engineering, employ a professional engineer of the discipline required for specific service on Project, licensed in Texas.

C. For design of temporary shoring and bracing, employ a Professional Engineer experienced in design of this type of work and licensed in Texas.

1.06 PROJECT CONDITIONS

A. Use of explosives is not permitted.

B. Grade site to drain. Maintain excavations free of water. Provide, operate, and maintain pumping equipment.

C. Protect site from puddling or running water. Provide water barriers as required to protect site from soil erosion.

D. Ventilate enclosed areas to assist cure of materials, to dissipate humidity, and to prevent accumulation of dust, fumes, vapors, or gases.

E. Dust Control: Execute work by methods to minimize raising dust from construction operations. Provide positive means to prevent air-borne dust from dispersing into atmosphere and over adjacent property.
   1. Provide dust-proof enclosures to prevent entry of dust generated outdoors.

F. Erosion and Sediment Control: Plan and execute work by methods to control surface drainage from cuts and fills, from borrow and waste disposal areas. Prevent erosion and sedimentation.
   1. Minimize amount of bare soil exposed at one time.
   2. Provide temporary measures such as berms, dikes, and drains, to prevent water flow.
   3. Construct fill and waste areas by selective placement to avoid erosive surface silts or clays.
   4. Periodically inspect earthwork to detect evidence of erosion and sedimentation; promptly apply corrective measures.

G. Pest and Rodent Control: Provide methods, means, and facilities to prevent pests and insects from damaging the work.

H. Rodent Control: Provide methods, means, and facilities to prevent rodents from accessing or invading premises.

I. Pollution Control: Provide methods, means, and facilities to prevent contamination of soil, water, and atmosphere from discharge of noxious, toxic substances, and pollutants produced by construction operations. Comply with federal, state, and local regulations.

1.07 COORDINATION

A. Coordinate scheduling, submittals, and work of the various sections of the Project Manual to ensure efficient and orderly sequence of installation of interdependent construction elements, with provisions for accommodating items installed later.

B. Notify affected utility companies and comply with their requirements.

C. Verify that utility requirements and characteristics of new operating equipment are compatible with building utilities. Coordinate work of various sections having interdependent responsibilities for installing, connecting to, and placing in service, such equipment.

D. Coordinate space requirements, supports, and installation of mechanical and electrical work that are indicated diagrammatically on Drawings. Follow routing shown for pipes, ducts, and conduit, as closely as practicable; place runs parallel with lines of building. Utilize spaces efficiently to maximize accessibility for other installations, for maintenance, and for repairs.

E. In finished areas except as otherwise indicated, conceal pipes, ducts, and wiring within the construction. Coordinate locations of fixtures and outlets with finish elements.

F. Coordinate completion and clean-up of work of separate sections.

G. After County of Hidalgo occupancy of premises, coordinate access to site for correction of defective work and work not in accordance with Contract Documents, to minimize disruption of County of Hidalgo's activities.

PART 2 PRODUCTS

PART 3 EXECUTION

3.01 EXAMINATION

A. Examine and verify specific conditions described in individual specification sections.

B. Take field measurements before confirming product orders or beginning fabrication, to minimize waste due to over-ordering or misfabrication.

C. Verify that utility services are available, of the correct characteristics, and in the correct locations.

3.02 PREINSTALLATION MEETINGS

A. When required in individual specification sections, convene a preinstallation meeting at the site prior to commencing work of the section.

B. Require attendance of parties directly affecting, or affected by, work of the specific section.

C. Notify ERO Architects four days in advance of meeting date.

D. Prepare agenda and preside at meeting:
   1. Review conditions of examination, preparation and installation procedures.
   2. Review coordination with related work.

E. Record minutes and distribute copies within three days after meeting to participants, with two copies to ERO Architects, County of Hidalgo, participants, and those affected by decisions made.

3.03 LAYING OUT THE WORK

A. Verify locations of survey control points prior to starting work.

B. Promptly notify ERO Architects of any discrepancies discovered.

C. Contractor shall locate and protect survey control and reference points.

D. Protect survey control points prior to starting site work; preserve permanent reference points during construction.

E. Promptly report to ERO Architects the loss or destruction of any reference point or relocation required because of changes in grades or other reasons.

F. Replace dislocated survey control points based on original survey control. Make no changes without prior written notice to ERO Architects.

G. Utilize recognized engineering survey practices.

H. Establish a minimum of two permanent bench marks on site, referenced to established control points. Record locations, with horizontal and vertical data, on project record documents.

I. Establish elevations, lines and levels. Locate and lay out by instrumentation and similar appropriate means:
   1. Site improvements including pavements; stakes for grading, fill and topsoil placement; utility locations, slopes, and invert elevations.
   2. Grid or axis for structures.
   3. Building foundation, column locations, ground floor elevations.

J. Periodically verify layouts by same means.

K. Maintain a complete and accurate log of control and survey work as it progresses.

L. On completion of foundation walls and major site improvements, prepare a certified survey illustrating dimensions, locations, angles, and elevations of construction and site work.

3.04 GENERAL INSTALLATION REQUIREMENTS

A. Make vertical elements plumb and horizontal elements level, unless otherwise indicated.

B. Install equipment and fittings plumb and level, neatly aligned with adjacent vertical and horizontal lines, unless otherwise indicated.

C. Make consistent texture on surfaces, with seamless transitions, unless otherwise indicated.

D. Make neat transitions between different surfaces, maintaining texture and appearance.

3.05 PROGRESS CLEANING

A. Maintain areas free of waste materials, debris, and rubbish. Maintain site in a clean and orderly condition.

B. Remove debris and rubbish from pipe chases, plenums, attics, crawl spaces, and other closed or remote spaces, prior to enclosing the space.

C. Broom and vacuum clean interior areas prior to start of surface finishing, and continue cleaning to eliminate dust.

D. Collect and remove waste materials, debris, and trash/rubbish from site daily and recycle; do not burn or bury.

3.06 PROTECTION OF INSTALLED WORK

A. Protect installed work from damage by construction operations.

B. Provide temporary and removable protection for installed products. Control activity in immediate work area to prevent damage.

C. Provide protective coverings at walls, projections, jambs, sills, and soffits of openings.

D. Protect finished floors, stairs, and other surfaces from traffic, dirt, wear, damage, or movement of heavy objects, by protecting with durable sheet materials.

E. Prohibit traffic or storage upon waterproofed or roofed surfaces. If traffic or activity is necessary, obtain recommendations for protection from waterproofing or roofing material manufacturer.

F. Prohibit traffic from landscaped areas.

G. Remove protective coverings when no longer needed; reuse or recycle plastic coverings if possible.

3.07 SYSTEM STARTUP

A. Coordinate schedule for start-up of various equipment and systems.

B. Notify ERO Architects and owner seven days prior to start-up of each item.

C. Verify that each piece of equipment or system has been checked for proper lubrication, drive rotation, belt tension, control sequence, and for conditions that may cause damage.

D. Verify tests, meter readings, and specified electrical characteristics agree with those required by the equipment or system manufacturer.

E. Verify that wiring and support components for equipment are complete and tested.

F. Execute start-up under supervision of applicable Contractor personnel and manufacturer's representative in accordance with manufacturers' instructions.

G. When specified in individual specification Sections, require manufacturer to provide authorized representative to be present at site to inspect, check, and approve equipment or system installation prior to start-up, and to supervise placing equipment or system in operation.

H. Submit a written report that equipment or system has been properly installed and is functioning correctly.

3.08 DEMONSTRATION AND INSTRUCTION

A. See Section 01 79 00 - Demonstration and Training.

3.09 ADJUSTING

A. Adjust operating products and equipment to ensure smooth and unhindered operation.

3.10 FINAL CLEANING

A. Execute final cleaning after Substantial Completion but before making final application for payment.
   1. Clean areas to be occupied by County of Hidalgo prior to final completion before County of Hidalgo occupancy.

B. Clean interior and exterior glass, surfaces exposed to view; remove temporary labels, stains and foreign substances, polish transparent and glossy surfaces, vacuum carpeted and soft surfaces.

C. Remove all labels that are not permanent. Do not paint or otherwise cover fire test labels or nameplates on mechanical and electrical equipment.

D. Clean equipment and fixtures to a sanitary condition with cleaning materials appropriate to the surface and material being cleaned.

E. Clean debris from roofs, gutters, downspouts, and drainage systems.

F. Clean site; sweep paved areas, rake clean landscaped surfaces.

G. Remove waste, surplus materials, trash/rubbish, and construction facilities from the site; recycle in accordance with USGBC LEED; do not burn or bury.

3.11 CLOSEOUT PROCEDURES

A. On or about the end of the project, the following items shall be performed in order to achieve Substantial Completion and project close-out:
   1. Make submittals that are required by governing or other authorities.
      a. Provide copies to ERO Architects and County of Hidalgo.

B. Accompany Project Coordinator on preliminary inspection to determine items to be listed for completion or correction in Contractor's Notice of Substantial Completion.

1. Notify ERO Architects when work is considered ready for Substantial Completion.
2. Submit written certification that Contract Documents have been reviewed, work has been inspected, and that work is complete in accordance with Contract Documents and ready for ERO Architects's review.

C. County of Hidalgo will occupy all of the building as specified in Section 01 10 00.
   1. Correct items of work listed in executed Certificates of Substantial Completion and comply with requirements for access to County of Hidalgo-occupied areas.

D. Accompany Project Coordinator on preliminary final inspection.
   1. Notify ERO Architects when work is considered finally complete.
   2. Complete items of work determined by ERO Architects's final inspection.

E. Substantial Completion:
   1. The following items are a list of requirements, as applicable to the Project, that must be completed prior to establish Substantial Completion.
      a. Contractor submits a thorough List of Items to be completed (punch list) or corrected, along with a written request for Substantial Completion and inspection of the work.
      b. The Architect and Engineer will inspect the project utilizing the Contractor's prepared punch list, noting completed items, incomplete items and prepare a supplemental list of items that have been omitted or incomplete items that were not previously noted. The Architect's Project Representative, at his/her discretion, may attend and assist in the preparation of the Contractor's punch list.
      c. Contractor completes corrections. Architect and Engineer reinspect (with Owner) to establish Date of Substantial Completion. Note: Any items remaining on Date of Substantial Completion are appended to Certificate (AIA G704).
      d. Operation and Maintenance Manuals: to be submitted in 3-ring D-slant binders. All manuals will contain an index listing the information submitted. The index sections will be divided by division of work and identified by tabbing each section as listed in the index. Submit O & M Manuals to respective consultants (Civil, MEP, Structural, etc…) prior to submitting to Architect.
      e. Certificate of Substantial Completion (AIA G704) prepared and executed by all parties and returned to Architect. Items on the appended punch list are to be completed or corrected within the time limits established in the Certificate of Substantial Completion.
      f. All fire alarm system components must be completed and demonstrated to the Owner.
      g. Local fire marshal approval certificate must be delivered to the Owner.
      h. All exterior clean-up and landscaping must be complete.
      i. All final interior clean-up must be complete.
      j. All HVAC air and water balancing must be complete.
      k. All Energy Management Systems must be complete and fully operational and demonstrated to the Owner.
      l. All communications equipment, telephone system, and P.A. systems must be complete and demonstrated to the Owner.
      m. All final lockset cores must be installed and all final Owner directed keying completed.
      n. All room plaques and exterior signage must be completed.
      o. All Owner demonstrations must be completed including kitchen equipment, HVAC equipment, plumbing equipment, and electrical equipment.
      p. A final certificate of occupancy must be signed by the Contractor and delivered to the Owner.
      q. All operation and maintenance manuals are delivered and approved (“D-slant” ring binders in triplicate).
      r. A letter from all subcontractors that the project is Asbestos and Lead free.
      s. All warranties shall be Notarized.

F. Project Close-out:
   1. Contractor submits written notice that work is ready for final inspection and acceptance, and shall specifically note each item on the punch list as being complete or the status of any incomplete item.
   2. A-E (with Owner) make final inspection.
   3. Final Change Order executed. (Including allowance adjustments).
   4. Contractor submits Final Application for Payment

5. Close-out documentation binders:
6. Contractor must submit Final Close-out Documentation Items in “D-slant” 3-ring binders, One (1) Original and Two (2) Copies. It is to include a detailed table of contents with page numbers, section tabs and index tabs for each division of work. Behind each division of work tab the paperwork is to be arranged according to specification section and in the following order; Release of Lien, Hazardous Material Certificate and Warranty/Guarantee. The close-out documents must be neatly organized and easily useable as determined by the Architect and Owner. The following items should be in each close-out binder:
7. AIA G707 - Consent of Surety to Final Payment.
8. AIA G706 - Contractor's Affidavit of Payment of Debts and Claims.
9. AIA G706A - Contractor's Affidavit of Release of Liens
    a. Must include contractors, subcontractors and suppliers separate final releases. (Close-out Form “A.1” - Affidavit of Subcontractor's Release of Lien).
10. General Contractor's Guarantee/Warranty submitted on company letterhead.. This Guarantee must state all sections of work performed by General Contractor and warranty period for each section of work as well as be notarized.
11. Subcontractors' Guarantee/Warranty submitted on attached Close-out Form “B.1”. This Guarantee/Warranty must state all sections of work performed by the subcontractor and warranty period as well as be notarized.
12. Certificate of Project Compliance - See attached Close-out Form “C.1”.
    a. Owner and Architect will initiate form and forward to Contractor for signature once Substantial Completion is established.
13. Copy of Certificate of Substantial Completion (AIA G704)
14. Copy of All Permits
15. Copy of Final Utility Bill or letter of transfer
16. Copy of Certificate of Occupancy.
17. Final List of Subcontractors. All General Contractor's vendors/suppliers and subcontractors that provided materials or performed any work related to this project must be listed on this form.
18. Hazardous Material Certificate - submitted on Close-out Form “D.1”.
    a. Affidavits from Contractor, Subcontractors and General Contractor's vendors or suppliers stating that no hazardous materials/products have been used or installed in this project.
19. Provide original receipts for delivery of “Extra Stock” items, (if applicable). Receipts must be signed by the Owner.
20. Provide original receipts for delivery of “Keys”, (if applicable). Receipts must be signed by the Owner.

G. Failure to complete and close-out project after Substantial Completion will result in liquidated damages being assessed until close-out occurs. All close-outs must be reviewed and approved by Owner, Architect and/or Consultants prior to the deadline.

H. Final release of retainage will not be authorized by the Architect until 15 days after Contractor completes all requirements for close-out of work of this package.

I. 11 Month Inspection:
1. Immediately prior to expiration of the one (1) year guarantee period, the Contractor shall make an inspection of the work in the company of the Architect and the Owner. The Architect and the Owner shall be given not less than thirty (30) days notice prior to the anticipated date of terminal inspection.
2. Where any portion of the work has proven to be defective and requires replacement, repair or adjustment, the Contractor shall immediately provide materials and labor necessary to remedy such defective work and shall execute such work without delay until completed to the satisfaction of the Architect and the Owner, even though the date of completion of the corrective work may extend beyond the expiration date of the guarantee period.
3. The Contractor shall not be responsible for correction of work which has been damaged because of neglect or abuse by the Owner nor the replacement of parts necessitated by normal wear in use.
4.

3.12 MAINTENANCE

A. Provide service and maintenance of components indicated in specification sections.

B. Maintenance Period: As indicated in specification sections or, if not indicated, not less than one year from the Date of Substantial Completion or the length of the specified warranty, whichever is longer.

C. Examine system components at a frequency consistent with reliable operation. Clean, adjust, and lubricate as required.

D. Include systematic examination, adjustment, and lubrication of components. Repair or replace parts whenever required. Use parts produced by the manufacturer of the original component.

E. Maintenance service shall not be assigned or transferred to any agent or subcontractor without prior written consent of the County of Hidalgo.

END OF SECTION

SECTION 01 78 00
CLOSEOUT SUBMITTALS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Project Record Documents.

B. Operation and Maintenance Data.

C. Warranties and bonds.

1.02 RELATED REQUIREMENTS

A. Section 00 72 00 - General Conditions: Performance bond and labor and material payment bonds, warranty, and correction of work.

B. Section 01 30 00 - Administrative Requirements: Submittals procedures, shop drawings, product data, and samples.

C. Section 01 70 00 - Execution and Closeout Requirements: Contract closeout procedures.

D. Individual Product Sections: Specific requirements for operation and maintenance data.

E. Individual Product Sections: Warranties required for specific products or Work.

1.03 SUBMITTALS

A. Project Record Documents: Submit documents to ERO Architects with claim for final Application for Payment.

B. Operation and Maintenance Data:
   1. Submit two copies of preliminary draft or proposed formats and outlines of contents before start of Work. ERO Architects will review draft and return one copy with comments.
   2. For equipment, or component parts of equipment put into service during construction and operated by County of Hidalgo, submit completed documents within ten days after acceptance.
   3. Submit one copy of completed documents 15 days prior to final inspection. This copy will be reviewed and returned after final inspection, with ERO Architects comments. Revise content of all document sets as required prior to final submission.
   4. Submit two sets of revised final documents in final form within 10 days after final inspection.

C. Warranties and Bonds:
   1. For equipment or component parts of equipment put into service during construction with County of Hidalgo's permission, submit documents within 10 days after acceptance.
   2. Make other submittals within 10 days after Date of Substantial Completion, prior to final Application for Payment.
   3. For items of Work for which acceptance is delayed beyond Date of Substantial Completion, submit within 10 days after acceptance, listing the date of acceptance as the beginning of the warranty period.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION

3.01 PROJECT RECORD DOCUMENTS

A. Maintain on site one set of the following record documents; **record actual revisions** to the Work:
   1. Drawings.
   2. Specifications.
   3. Addendas.
   4. ASIs & RFIs
   5. Change Orders and other modifications to the Contract.
   6. Reviewed shop drawings, product data, and samples.
   7. Manufacturer's instruction for assembly, installation, and adjusting.

B. **Ensure entries are complete and accurate**, enabling future reference by County of Hidalgo.

C. Store record documents separate from documents used for construction.

D. **Record information concurrent with construction progress**.

E. Specifications: Legibly mark and record at each product section description of actual products installed, including the following:
   1. Manufacturer's name and product model and number.
   2. Product substitutions or alternates utilized.
   3. Changes made by Addenda and modifications.

F. Record Drawings and Shop Drawings: Legibly mark each item to record actual construction including:
   1. Measured depths of foundations in relation to finish first floor datum.
   2. Measured horizontal and vertical locations of underground utilities and appurtenances, referenced to permanent surface improvements.
   3. Measured locations of internal utilities and appurtenances concealed in construction, referenced to visible and accessible features of the Work.
   4. Field changes of dimension and detail.
   5. Details not on original Contract drawings.

3.02 OPERATION AND MAINTENANCE DATA

A. For Each Product or System: List names, addresses and telephone numbers of Subcontractors and suppliers, including local source of supplies and replacement parts.

B. Product Data: Mark each sheet to clearly identify specific products and component parts, and data applicable to installation. Delete inapplicable information.

C. Drawings: Supplement product data to illustrate relations of component parts of equipment and systems, to show control and flow diagrams. Do not use Project Record Documents as maintenance drawings.

D. Typed Text: As required to supplement product data. Provide logical sequence of instructions for each procedure, incorporating manufacturer's instructions.

3.03 OPERATION AND MAINTENANCE DATA FOR MATERIALS AND FINISHES

A. For Each Product, Applied Material, and Finish:
   1. Product data, with catalog number, size, composition, and color and texture designations.
   2. Information for re-ordering custom manufactured products.

B. Instructions for Care and Maintenance: Manufacturer's recommendations for cleaning agents and methods, precautions against detrimental cleaning agents and methods, and recommended schedule for cleaning and maintenance.

C. Additional information as specified in individual product specification sections.

3.04 OPERATION AND MAINTENANCE DATA FOR EQUIPMENT AND SYSTEMS

A. For Each Item of Equipment and Each System:
   1. Description of unit or system, and component parts.
   2. Identify function, normal operating characteristics, and limiting conditions.
   3. Include performance curves, with engineering data and tests.
   4. Complete nomenclature and model number of replaceable parts.

B. Panelboard Circuit Directories: Provide electrical service characteristics, controls, and communications; typed.

C. Include color coded wiring diagrams as installed.

D. Operating Procedures: Include start-up, break-in, and routine normal operating instructions and sequences. Include regulation, control, stopping, shut-down, and emergency instructions. Include summer, winter, and any special operating instructions.

E. Maintenance Requirements: Include routine procedures and guide for preventative maintenance and trouble shooting; disassembly, repair, and reassembly instructions; and alignment, adjusting, balancing, and checking instructions.

F. Provide servicing and lubrication schedule, and list of lubricants required.

G. Include manufacturer's printed operation and maintenance instructions.

H. Include sequence of operation by controls manufacturer.

I. Provide original manufacturer's parts list, illustrations, assembly drawings, and diagrams required for maintenance.

J. Provide control diagrams by controls manufacturer as installed.

K. Provide coordination drawings, with color coded piping diagrams as installed.

L. Provide charts of valve tag numbers, with location and function of each valve, keyed to flow and control diagrams.

M. Provide list of original manufacturer's spare parts, current prices, and recommended quantities to be maintained in storage.

N. Include test and balancing reports.

O. Additional Requirements: As specified in individual product specification sections.

3.05 OPERATION AND MAINTENANCE MANUALS

A. Prepare instructions and data by personnel experienced in maintenance and operation of described products.

B. Prepare data in the form of an instructional manual.

C. Binders: Commercial quality, 8-1/2 by 11 inch three D side ring binders with durable plastic covers; 2 inch maximum ring size. When multiple binders are used, correlate data into related consistent groupings.

D. Cover: Identify each binder with typed or printed title OPERATION AND MAINTENANCE INSTRUCTIONS; identify title of Project; identify subject matter of contents.

E. Provide tabbed dividers for each separate product and system, with typed description of product and major component parts of equipment.

F. Drawings: Provide with reinforced punched binder tab. Bind in with text; fold larger drawings to size of text pages.

G. Arrange content by systems under section numbers and sequence of Table of Contents of this Project Manual.

H. Contents: Prepare a Table of Contents for each volume, with each product or system description identified, in three parts as follows:
   1. Part 1: Directory, listing names, addresses, and telephone numbers of ERO Architects, , Subcontractors, and major equipment suppliers.
   2. Part 2: Operation and maintenance instructions, arranged by system and subdivided by specification section. For each category, identify names, addresses, and telephone numbers of Subcontractors and suppliers. Identify the following:
      a. Significant design criteria.
      b. List of equipment.
      c. Parts list for each component.
      d. Operating instructions.
      e. Maintenance instructions for equipment and systems.
      f. Maintenance instructions for special finishes, including recommended cleaning methods and materials, and special precautions identifying detrimental agents.
   3. Part 3: Project documents and certificates, including the following:
      a. Shop drawings and product data.
      b. Air and water balance reports.
      c. Certificates.
      d. Photocopies of warranties and bonds.

I. Table of Contents: Provide title of Project; names, addresses, and telephone numbers of ERO Architects, Consultants, and Contractor with name of responsible parties; schedule of products and systems, indexed to content of the volume.

3.06 WARRANTIES AND BONDS

A. Obtain warranties and bonds, executed in duplicate by responsible Subcontractors, suppliers, and manufacturers, within 10 days after completion of the applicable item of work. Except for items put into use with County of Hidalgo's permission, leave date of beginning of time of warranty until the Date of Substantial completion is determined.

B. Verify that documents are in proper form, contain full information, and are notarized.

C. Co-execute submittals when required.

D. Retain warranties and bonds until time specified for submittal.

E. Manual: Bind in commercial quality 8-1/2 by 11 inch three D side ring binders with durable plastic covers.

F. Cover: Identify each binder with typed or printed title WARRANTIES AND BONDS, with title of Project; name, address and telephone number of Contractor and equipment supplier; and name of responsible company principal.

G. Table of Contents: Neatly typed, in the sequence of the Table of Contents of the Project Manual, with each item identified with the number and title of the specification section in which specified, and the name of product or work item.

H. Separate each warranty or bond with index tab sheets keyed to the Table of Contents listing. Provide full information, using separate typed sheets as necessary. List Subcontractor, supplier, and manufacturer, with name, address, and telephone number of responsible principal.

END OF SECTION

SECTION 01 79 00
DEMONSTRATION AND TRAINING

PART 1 GENERAL

1.01 SUMMARY

A. Demonstration of products and systems where indicated in specific specification sections.

B. Training of County of Hidalgo personnel in operation and maintenance is required for:
   1. All software-operated systems.
   2. HVAC systems and equipment.
   3. Plumbing equipment.
   4. Electrical systems and equipment.

C. Training of County of Hidalgo personnel in care, cleaning, maintenance, and repair is required for:
   1. Roofing, waterproofing, and other weather-exposed or moisture protection products.
   2. Finishes, including flooring, wall finishes, ceiling finishes.
   3. Fixtures and fittings.
   4. Items specified in individual product Sections.

1.02 RELATED REQUIREMENTS

A. Section 01 78 00 - Closeout Submittals: Operation and maintenance manuals.

B. Other Specification Sections: Additional requirements for demonstration and training.

1.03 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

B. Training Plan: County of Hidalgo will designate personnel to be trained; tailor training to needs and skill-level of attendees.
   1. Submit to ERO Architects for transmittal to County of Hidalgo.
   2. Submit not less than four weeks prior to start of training.
   3. Revise and resubmit until acceptable.
   4. Provide an overall schedule showing all training sessions.
   5. Include at least the following for each training session:
      a. Identification, date, time, and duration.
      b. Description of products and/or systems to be covered.
      c. Name of firm and person conducting training; include qualifications.
      d. Intended audience, such as job description.
      e. Objectives of training and suggested methods of ensuring adequate training.
      f. Methods to be used, such as classroom lecture, live demonstrations, hands-on, etc.
      g. Media to be used, such a slides, hand-outs, etc.
      h. Training equipment required, such as projector, projection screen, etc., to be provided by Contractor.

C. Training Manuals: Provide training manual for each attendee; allow for minimum of two attendees per training session.
   1. Include applicable portion of O&M manuals.
   2. Include copies of all hand-outs, slides, overheads, video presentations, etc., that are not included in O&M manuals.
   3. Provide one extra copy of each training manual to be included with operation and maintenance data.

D. Training Reports:
   1. Identification of each training session, date, time, and duration.
   2. Sign-in sheet showing names and job titles of attendees.
   3. List of attendee questions and written answers given, including copies of and references to supporting documentation required for clarification; include answers to questions that could not be answered in original training session.

E. Video Recordings: Submit digital video recording of each demonstration and training session for County of Hidalgo's subsequent use.
   1. Format: DVD Disc.
   2. Label each disc and container with session identification and date.

1.04 QUALITY ASSURANCE

A. Instructor Qualifications: Familiar with design, operation, maintenance and troubleshooting of the relevant products and systems.
   1. Provide as instructors the most qualified trainer of those contractors and/or installers who actually supplied and installed the systems and equipment.
   2. Where a single person is not familiar with all aspects, provide specialists with necessary qualifications.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION

3.01 DEMONSTRATION - GENERAL

A. Demonstrations conducted during system start-up do not qualify as demonstrations for the purposes of this section, unless approved in advance by County of Hidalgo.

B. Demonstration may be combined with County of Hidalgo personnel training if applicable.

C. Operating Equipment and Systems: Demonstrate operation in all modes, including start-up, shut-down, seasonal changeover, emergency conditions, and troubleshooting, and maintenance procedures, including scheduled and preventive maintenance.
   1. Perform demonstrations not less than two weeks prior to Substantial Completion.
   2. For equipment or systems requiring seasonal operation, perform demonstration for other season within six months.

D. Non-Operating Products: Demonstrate cleaning, scheduled and preventive maintenance, and repair procedures.
   1. Perform demonstrations not less than two weeks prior to Substantial Completion.

3.02 TRAINING - GENERAL

A. Conduct training on-site unless otherwise indicated.

B. Provide training in minimum two hour segments.

C. Training schedule will be subject to availability of County of Hidalgo's personnel to be trained; re-schedule training sessions as required by County of Hidalgo; once schedule has been approved by County of Hidalgo failure to conduct sessions according to schedule will be cause for County of Hidalgo to charge Contractor for personnel "show-up" time.

D. Review of Facility Policy on Operation and Maintenance Data: During training discuss:
   1. The location of the O&M manuals and procedures for use and preservation; backup copies.
   2. Typical contents and organization of all manuals, including explanatory information, system narratives, and product specific information.
   3. Typical uses of the O&M manuals.

E. Product- and System-Specific Training:
   1. Review the applicable O&M manuals.
   2. For systems, provide an overview of system operation, design parameters and constraints, and operational strategies.
   3. Review instructions for proper operation in all modes, including start-up, shut-down, seasonal changeover and emergency procedures, and for maintenance, including preventative maintenance.
   4. Provide hands-on training on all operational modes possible and preventive maintenance.
   5. Emphasize safe and proper operating requirements; discuss relevant health and safety issues and emergency procedures.
   6. Discuss common troubleshooting problems and solutions.
   7. Discuss any peculiarities of equipment installation or operation.
   8. Discuss warranties and guarantees, including procedures necessary to avoid voiding coverage.

9. Review recommended tools and spare parts inventory suggestions of manufacturers.
10. Review spare parts and tools required to be furnished by Contractor.
11. Review spare parts suppliers and sources and procurement procedures.

F. Be prepared to answer questions raised by training attendees; if unable to answer during training session, provide written response within three days.

END OF SECTION

SECTION 04 05 11
MASONRY MORTARING AND GROUTING

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Mortar for masonry.

B. Grout for masonry.

1.02 RELATED REQUIREMENTS

A. Section 04 20 00 - Unit Masonry: Installation of mortar and grout.

B. Section 04 27 31 - Reinforced Unit Masonry: Installation of mortar and grout.

1.03 REFERENCE STANDARDS

A. ACI 530/530.1/ERTA - Building Code Requirements and Specification for Masonry Structures and Related Commentaries; American Concrete Institute International; 2011.

B. ASTM C91/C91M - Standard Specification for Masonry Cement; 2012.

C. ASTM C94/C94M - Standard Specification for Ready-Mixed Concrete; 2012.

D. ASTM C144 - Standard Specification for Aggregate for Masonry Mortar; 2011.

E. ASTM C270 - Standard Specification for Mortar for Unit Masonry; 2012.

F. ASTM C404 - Standard Specification for Aggregates for Masonry Grout; 2011.

G. ASTM C476 - Standard Specification for Grout for Masonry; 2010.

H. ASTM C780 - Standard Test Method for Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry; 2012.

I. ASTM C979/C979M - Standard Specification for Pigments for Integrally Colored Concrete; 2010.

J. ASTM C1019 - Standard Test Method for Sampling and Testing Grout; 2011.

K. ASTM C1072 - Standard Test Method for Measurement of Masonry Flexural Bond Strength; 2012.

L. ASTM C1314 - Standard Test Method for Compressive Strength of Masonry Prisms; 2012.

M. ASTM E518 - Standard Test Methods for Flexural Bond Strength of Masonry; 2010.

N. IMIAWC (HW) - Recommended Practices & Guide Specifications for Hot Weather Masonry Construction; International Masonry Industry All-Weather Council; current edition.

1.04 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

B. Product Data: Include design mix and indicate whether the Proportion or Property specification of ASTM C 270 is to be used. Also include required environmental conditions and admixture limitations.

C. Samples: Submit two samples of mortar, illustrating mortar color and color range.

D. Reports: Submit reports on mortar indicating conformance of mortar to property requirements of ASTM C 270 and test and evaluation reports per ASTM C 780.

E. Reports: Submit reports on grout indicating conformance of component grout materials to requirements of ASTM C476 and test and evaluation reports to requirements of ASTM C 1019.

F. Manufacturer's Certificate: Certify that products meet or exceed specified requirements.

1.05 QUALITY ASSURANCE

A. Comply with provisions of ACI 530/530.1/ERTA, except where exceeded by requirements of the contract documents.
   1. Maintain one copy of each document on project site.

1.06 DELIVERY, STORAGE, AND HANDLING

A. Maintain packaged materials clean, dry, and protected against dampness, freezing, and foreign matter.

1.07 FIELD CONDITIONS

A. Cold and Hot Weather Requirements: Comply with requirements of ACI 530.1/ASCE 6/TMS 602 or applicable building code, whichever is more stringent.

PART 2 PRODUCTS

2.01 MORTAR AND GROUT APPLICATIONS

A. Mortar Mix Designs: ASTM C270, Property Specification.

2.02 MATERIALS

A. Masonry Cement: ASTM C 91, types as scheduled in this section..
   1. Colored mortar: Premixed cement as selected by ERO Architects.

B. Mortar Aggregate: ASTM C 144.

C. Grout Aggregate: ASTM C 404.

D. Pigments for Colored Mortar: Pure, concentrated mineral pigments specifically intended for mixing into mortar and complying with ASTM C979/C979M.
   1. Color(s): As selected by ERO Architects from manufacturer's full range.

E. Water: Clean and potable.

F. Moisture-Resistant Admixture: Water repellent compound designed to reduce capillarity.

2.03 MORTAR MIXES

A. Mortar for Unit Masonry: ASTM C270, Property Specification.
   1. Exterior, loadbearing masonry: Type S.
   2. Exterior, non-loadbearing masonry: Type S.
   3. Interior, loadbearing masonry: Type S.
   4. Interior, non-loadbearing masonry: Type N.

B. Colored Mortar: Proportion selected pigments and other ingredients to match ERO Architects sample, without exceeding manufacturer's recommended pigment-to-cement ratio.

2.04 MORTAR MIXING

A. Thoroughly mix mortar ingredients using mechanical batch mixer, in accordance with ASTM C270 and in quantities needed for immediate use.

B. Maintain sand uniformly damp immediately before the mixing process.

C. Add mortar color in accordance with manufacturer's instructions. Provide uniformity of mix and coloration.

D. Do not use anti-freeze compounds to lower the freezing point of mortar.

E. If water is lost by evaporation, re-temper only within two hours of mixing.

F. Use mortar within two hours after mixing at temperatures of 90 degrees F, or two-and-one-half hours at temperatures under 40 degrees F.

2.05 GROUT MIXES

A. Bond Beams and Lintels: 3,000 psi strength at 28 days; 8-10 inches slump; provide premixed type in accordance with ASTM C 94/C 94M.
   1. Fine grout for spaces with smallest horizontal dimension of 2 inches or less.
   2. Coarse grout for spaces with smallest horizontal dimension greater than 2 inches.

2.06 GROUT MIXING

A. Mix grout in accordance with ASTM C94/C94M.

B. Thoroughly mix grout ingredients in quantities needed for immediate use in accordance with ASTM C476 for fine and coarse grout.

C. Add admixtures in accordance with manufacturer's instructions; mix uniformly.

D. Do not use anti-freeze compounds to lower the freezing point of grout.

2.07 PRECONSTRUCTION TESTING

A. Testing will be conducted by an independent test agency, in accordance with provisions of Section 01 40 00.

B. Mortar Mixes: Test mortars prebatched by weight in accordance with ASTM C 780 recommendations for preconstruction testing.
   1. Test results will be used to establish optimum mortar proportions and establish quality control values for construction testing.

C. Grout Mixes: Test grout batches in accordance with ASTM C1019 procedures.
   1. Test results will be used to establish optimum grout proportions and establish quality control values for construction testing.

PART 3 EXECUTION

3.01 PREPARATION

A. Plug clean-out holes for grouted masonry with brick masonry units. Brace masonry to resist wet grout pressure.

3.02 INSTALLATION

A. Install mortar and grout to requirements of section(s) in which masonry is specified.

B. Work grout into masonry cores and cavities to eliminate voids.

C. Do not install grout in lifts greater than 16 inches without consolidating grout by rodding.

D. Do not displace reinforcement while placing grout.

E. Remove excess mortar from grout spaces.

3.03 GROUTING

A. Perform grouting by means of high-lift technique, except in locations that mandate use of low-lift grouting technique.
   1. Do not use high-lift grouting where size of cavities mandates use of fine grout.

B. Low-Lift Grouting:
   1. Limit height of pours to 12 inches.
   2. Limit height of masonry to 16 inches above each pour.
   3. Pour grout only after vertical reinforcing is in place; place horizontal reinforcing as grout is poured. Prevent displacement of bars as grout is poured.
   4. Place grout for each pour continuously and consolidate immediately; do not interrupt pours for more than 1-1/2 hours.

C. High-Lift Grouting:
   1. Verify that horizontal and vertical reinforcement is in proper position and adequately secured before beginning pours.
   2. Hollow Masonry: Limit lifts to maximum 8 feet and pours to maximum height of 8 feet.
   3. Place grout for spanning elements in single, continuous pour.

3.04 FIELD QUALITY CONTROL

A. An independent testing agency will perform field tests, in accordance with provisions of Section 01 40 00.

B. Test and evaluate mortar in accordance with ASTM C780 procedures.
   1. Test with same frequency as specified for masonry units.

C. Test and evaluate grout in accordance with ASTM C1019 procedures.
   1. Test with same frequency as specified for masonry units.

D. Prism Tests: Test masonry and mortar panels for compressive strength in accordance with ASTM C1314, and for flexural bond strength in accordance with ASTM C1072 or ASTM E518; perform tests and evaluate results as specified in individual masonry sections.

END OF SECTION

SECTION 04 20 00
UNIT MASONRY

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Concrete Block.

B. Split Face Units.

C. Mortar and Grout.

D. Reinforcement and Anchorage.

E. Flashings.

F. Accessories.

1.02 RELATED REQUIREMENTS

A. Section 04 05 11 - Masonry Mortaring and Grouting.

B. Section 06 10 00 - Rough Carpentry: Nailing strips built into masonry.

C. Section 07 21 00 - Thermal Insulation: Insulation for cavity spaces.

D. Section 07 65 00 - Flexible Flashing: Through-wall masonry flashings.

E. Section 07 92 03 - Joint Sealers: Backing rod and sealant at control and expansion joints.

1.03 REFERENCE STANDARDS

A. ACI 530/530.1/ERTA - Building Code Requirements and Specification for Masonry Structures and Related Commentaries; American Concrete Institute International; 2011.

B. ASTM A82/A82M - Standard Specification for Steel Wire, Plain, for Concrete Reinforcement; 2007.

C. ASTM A153/A153M - Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware; 2009.

D. ASTM A615/A615M - Standard Specification for Deformed and Plain Carbon Steel Bars for Concrete Reinforcement; 2012.

E. ASTM A641/A641M - Standard Specification for Zinc-Coated (Galvanized) Carbon Steel Wire; 2009a.

F. ASTM C90 - Standard Specification for Loadbearing Concrete Masonry Units; 2012.

G. ASTM C129 - Standard Specification for Nonloadbearing Concrete Masonry Units; 2011.

H. ASTM C140 - Standard Test Methods of Sampling and Testing Concrete Masonry Units and Related Units; 2012.

I. ASTM C150/C150M - Standard Specification for Portland Cement; 2012.

J. ASTM C207 - Standard Specification for Hydrated Lime for Masonry Purposes; 2006 (Reapproved 2011).

K. ASTM C216 - Standard Specification for Facing Brick (Solid Masonry Units Made From Clay or Shale); 2012.

L. ASTM C404 - Standard Specification for Aggregates for Masonry Grout; 2011.

M. ASTM C476 - Standard Specification for Grout for Masonry; 2010.

N. ASTM C780 - Standard Test Method for Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry; 2012.

O. ASTM C1148 - Standard Test Method for Measuring the Drying Shrinkage of Masonry Mortar; 1992a (Reapproved 2008) .

P. ASTM C1314 - Standard Test Method for Compressive Strength of Masonry Prisms; 2012.

Q. ASTM C1357 - Standard Test Methods for Evaluating Masonry Bond Strength; 2009.

1.04 ADMINISTRATIVE REQUIREMENTS

A. Preinstallation Meeting: Convene a preinstallation meeting one week before starting work of this section; require attendance by all relevant installers.

1.05 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

B. Product Data: Provide data for masonry units, fabricated wire reinforcement, mortar, and masonry accessories.

C. Samples: Submit four samples of facing brick units to illustrate color, texture, and extremes of color range.

D. Manufacturer's Certificate: Certify that masonry units meet or exceed specified requirements.

E. Manufacturer's Certificate: Certify that water repellent admixture manufacturer has certified masonry unit manufacturer as an approved user of water repellent admixture in the manufacture of concrete block.

F. Test Reports: Concrete masonry manufacturer's test reports for units with integral water repellent admixture.

G. Maintenance Materials: Furnish the following for County of Hidalgo's use in maintenance of project.
   1. See Section 01 60 00 - Product Requirements, for additional provisions.
   2. Extra Pre-Faced Units: 50 of each type, size, and color combination.

1.06 QUALITY ASSURANCE

A. Comply with provisions of ACI 530/530.1/ERTA, except where exceeded by requirements of the contract documents.

1.07 MOCK-UP

A. Construct a masonry wall as a mock-up panel sized 8 feet long by 6 feet high; include mortar and accessories and structural backup in mock-up.

B. Locate where directed.

1.08 DELIVERY, STORAGE, AND HANDLING

A. Deliver, handle, and store masonry units by means that will prevent mechanical damage and contamination by other materials.

PART 2 PRODUCTS

2.01 CONCRETE MASONRY UNITS

A. Concrete Block: Comply with referenced standards and as follows:
   1. Special Shapes: Provide non-standard blocks configured for corners, lintels, headers, control joint edges, and other detailed conditions.
   2. Load-Bearing Units: ASTM C 90, medium weight.
      a. Hollow block, as indicated.
   3. Non-Loadbearing Units: ASTM C 129.
      a. Hollow block, as indicated.
      b. Medium weight.
   4. Split-Faced Units: ASTM C 129
      a. Basis of Design: Headwaters
         1) Color: 725 Smoke
      b. Architectural Units shall be manufactured in one continous run to achieve color consistency.
      c. All units shall be manufactured to included "Dry Block" integral walter repellant in accordance with ASTM E 514.
      d. Special Shapes: Provide non-standard blocks configured for corners, lintels, headers, control joint edges.
   5. Units with Integral Water Repellent: Concrete block units as specified in this section with polymeric liquid admixture added to concrete masonry units at the time of manufacture.
      a. Performance of Units with Integral Water Repellent:
         1) Water Permeance: When tested per ASTM E514 and for a minimum of 72 hours.
            (a) No water visible on back of wall above flashing at the end of 24 hours.
            (b) No flow of water from flashing equal to or greater than 0.032 gallons per hour at the end of 24 hours.
            (c) No more than 25% of wall area above flashing visibly damp at end of test.
         2) Flexural Bond Strength: ASTM C1357; minimum 10% increase.

3) Compressive Strength: ASTM C1314; maximum 5% decrease.
4) Drying Shrinkage: ASTM C1148; maximum 5% increase in shrinkage.

b. Use only in combination with mortar and grout that also has integral water repellent admixture.
c. Use water repellent admixtures for masonry units, mortar and grout by a single manufacturer.

2.02 MORTAR AND GROUT MATERIALS

A. Mortar and grout: As specified in Section 04 05 11.

B. Hydrated Lime: ASTM C207, Type S.

C. Grout Aggregate: ASTM C404.

2.03 REINFORCEMENT AND ANCHORAGE

A. Manufacturers of Joint Reinforcement and Anchors:
1. Dur-O-Wal: www.dur-o-wal.com.
2. Hohmann & Barnard, Inc (including Dur-O-Wal brand): www.h-b.com.
3. WIRE-BOND: www.wirebond.com.
4. Substitutions: See Section 01 60 00 - Product Requirements.

B. Reinforcing Steel: ASTM A 615/A 615M Grade 60 (420) deformed billet bars; uncoated.

C. Single Wythe Joint Reinforcement: Truss type; ASTM A 82/A 82M steel wire, hot dip galvanized after fabrication to ASTM A 153/A 153M, Class B; 0.1875 inch side rods with 0.1483 inch cross rods; width as required to provide not more than 1 inch and not less than 1/2 inch of mortar coverage on each exposure.
1. Provide pre-maufactured corners and tees.
2. Manufacturers:
a. Masonry Reinforcing Corporation of America; Product "Truss Type Series 300": www.wirebond.com
b. Substitutions: See Section 01 60 00 - Products Requirements.

D. Adjustable Reinforcement System with Adjustable Pintle Tie.
1. Truss-Type Horizontal Joint Reinforcement with Adjustable Pintle Tie for Concrete Masonry Unit Walls: #170 Truss Adjustable Eye-Wire System by Hohmann & Barnard, Inc.. Width as required to provide not more than 1 inch and not less than 1/2 inch of mortar coverage on each exposure.
a. Reinforcing: Extra Heavy (0.187 inch (4.8 mm) side rods by 0.148 inch (3.8 mm) cross rods and boxes).
b. Eyes and Pintles: 0.187 inch (4.8 mm) diameter wire.
c. Eyelet Loop Crimped Projection: Factory adjusted to fit cavity insulation thickness requirements. Pintle shall be designed to mechanically secure insulation in place.
d. Cross Rod Spacing: Truss type cross rods butt-welded to side rods at each contact point 16 inches (406 mm) on center and projecting eyelet loop flush-welded at four points.
e. Wire Material: Steel, ASTM A 82, hot-dip galvanized after fabrication in accordance with ASTM A 153, Class B2.
f. Rigid Insulation Retainer: Loop-Lok Washer; multi-polymer plastic clip-type retainer for rigid board insulation; attaches to loop wires on horizontal joint reinforcement.
g. Substitutions: See Section 01 60 00 - Product Requirements

E. Rigid Steel Ties: "Z" bent steel shape (Series 3000Z), 2" wide x 8" long with 2" right angle bends at each end x 1/4" thick, hot dip galvanized to ASTM A 153/A 153M, Class B2.
1. Manufactures:
a. Masonry Reinforcing Corporation of America; www.wirebond.com
b. Substitutions: See Section 01 60 00 - Product Requirements

F. Dovetail Anchor: Sheet Metal; Hot Dip Galvanized after fabrication in accordance with ASTM A153 / A153M-B2
1. Dovetail Slot: #1304 Dovetail Slot - 22 Gauge. Standard dimensions of 1" x 10' length.
2. Dovetail Corrugated Tie: 12 Gauge thickness. Length: embed a minimum of 1.5" into the bed joint, with a minimum mortar cover of 5/8" to outside face of the wall.

G. Masonry Veneer Anchors: 2-piece anchors that permit differential movement between masonry veneer and structural backup, hot dip galvanized to ASTM A 153/A 153M, Class B.

1. Anchor plates: Not less than 0.075 inch thick, designed for fastening to structural backup through sheathing by two fasteners; provide design with legs that penetrate sheathing and insulation to provide positive anchorage.
2. Wire ties: Manufacturer's standard shape, 0.1875 inch thick.
3. Vertical adjustment: Not less than 3-1/2 inches.

2.04 FLASHINGS

A. Flashing Materials: Flexible Flashing, as specified in Section 07 65 10.

2.05 ACCESSORIES

A. Preformed Control Joints: ASTM D200 2 AA 805, Durometer hardness of 80. Rubber material. Provide with corner and tee accessories, fused joints.
   1. Manufacturers:
      a. Dur-O-Wal: www.dur-o-wal.com.
      b. WIRE-BOND: www.wirebond.com.
      c. ; Product "CJ2902".
      d. Substitutions: See Section 01 60 00 - Product Requirements.

B. Cleaning Solution: Non-acidic, not harmful to masonry work or adjacent materials.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that field conditions are acceptable and are ready to receive masonry.

B. Verify that related items provided under other sections are properly sized and located.

C. Verify that built-in items are in proper location, and ready for roughing into masonry work.

3.02 PREPARATION

A. Provide temporary bracing during installation of masonry work. Maintain in place until building structure provides permanent bracing.

3.03 COURSING

A. Establish lines, levels, and coursing indicated. Protect from displacement.

B. Maintain masonry courses to uniform dimension. Form vertical and horizontal joints of uniform thickness.

C. Concrete Masonry Units:
   1. Bond: Running.
   2. Coursing: One unit and one mortar joint to equal 8 inches.
   3. Mortar Joints: Concave.

D. Brick Units:
   1. Bond: Running.
   2. Coursing: Three units and three mortar joints to equal 8 inches.
   3. Mortar Joints: Concave.

3.04 PLACING AND BONDING

A. Lay solid masonry units in full bed of mortar, with full head joints, uniformly jointed with other work.

B. Lay hollow masonry units with face shell bedding on head and bed joints.

C. Buttering corners of joints or excessive furrowing of mortar joints is not permitted.

D. Remove excess mortar and mortar smears as work progresses.

E. Remove excess mortar with water repellent admixture promptly. Do not use acids, sandblasting or high pressure cleaning methods.

F. Interlock intersections and external corners, except for units laid in stack bond.

G. Do not shift or tap masonry units after mortar has achieved initial set. Where adjustment must be made, remove mortar and replace.

H. Perform job site cutting of masonry units with proper tools to provide straight, clean, unchipped edges. Prevent broken masonry unit corners or edges.

I. Cut mortar joints flush where wall tile is scheduled or resilient base is scheduled.

J. Isolate masonry partitions from vertical structural framing members with a control joint as indicated.

K. Isolate top joint of masonry partitions from horizontal structural framing members and slabs or decks with compressible joint filler.

3.05 WEEPS/CAVITY VENTS

A. Install weeps in veneer and cavity walls at 24 inches on center horizontally above through-wall flashing, above shelf angles and lintels, and at bottom of walls.

3.06 CAVITY MORTAR CONTROL

A. Flashing Materials: Flexible Flashing, as specified in Section 07 65 10

B. Do not permit mortar to drop or accumulate into cavity air space or to plug weep/cavity vents.

C. For cavity walls, build inner wythe ahead of outer wythe to accommodate accessories.

3.07 REINFORCEMENT AND ANCHORAGE - GENERAL

A. Unless otherwise indicated on drawings or specified under specific wall type, install horizontal joint reinforcement 16 inches on center.

B. Place masonry joint reinforcement in first and second horizontal joints above and below openings. Extend minimum 16 inches each side of opening.

C. Place continuous joint reinforcement in first and second joint below top of walls.

D. Lap joint reinforcement ends minimum 6 inches.

3.08 REINFORCEMENT AND ANCHORAGE - SINGLE WYTHE MASONRY

A. Install horizontal joint reinforcement 16 inches on center.

B. Place masonry joint reinforcement in first and second horizontal joints above and below openings. Extend minimum 16 inches each side of opening.

C. Place continuous joint reinforcement in first and second joint below top of walls.

D. Lap joint reinforcement ends minimum 6 inches.

3.09 REINFORCEMENT AND ANCHORAGE - MASONRY VENEER

A. Install horizontal joint reinforcement 16 inches on center.

B. Place masonry joint reinforcement in first and second horizontal joints above and below openings. Extend minimum 16 inches each side of opening.

C. Stud Back-Up: Secure veneer anchors to stud framed back-up and embed into masonry veneer at maximum 16 inches on center vertically and 24 inches on center horizontally. Place additional anchors at perimeter of openings and ends of panels, so maximum spacing of anchors is 8 inches on center.

3.10 REINFORCEMENT AND ANCHORAGES - CAVITY WALL MASONRY

A. Install horizontal joint reinforcement 16 inches on center.

B. Place masonry joint reinforcement in first and second horizontal joints above and below openings. Extend minimum 16 inches each side of openings.

C. Place continuous joint reinforcement in first and second joint below top of walls.

D. Lap joint reinforcement ends minimum 6 inches.

3.11 GROUTED COMPONENTS

A. Reinforce bond beams with 2, No. 4 bars, 1 inch from bottom web.

B. Lap splices minimum 24 bar diameters.

C. Support and secure reinforcing bars from displacement. Maintain position within 1/2 inch of dimensioned position.

D. Place and consolidate grout fill without displacing reinforcing.

3.12 CONTROL AND EXPANSION JOINTS

A. Do not continue horizontal joint reinforcement through control and expansion joints.

B. Install preformed control joint device in continuous lengths. Seal butt and corner joints in accordance with manufacturer's instructions.

C. Size control joint in accordance with Section 07 92 03 for sealant performance.

D. Form expansion joint as detailed.

3.13 BUILT-IN WORK

A. As work progresses, install built-in metal door frames and other items to be built into the work and furnished under other sections.

B. Install built-in items plumb, level, and true to line.

C. Bed anchors of metal door and glazed frames in adjacent mortar joints. Fill frame voids solid with grout.

D. Do not build into masonry construction organic materials that are subject to deterioration.

3.14 TOLERANCES

A. Maximum Variation From Unit to Adjacent Unit: 1/16 inch.

B. Maximum Variation from Plane of Wall: 1/4 inch in 10 ft and 1/2 inch in 20 ft or more.

C. Maximum Variation from Plumb: 1/4 inch per story non-cumulative; 1/2 inch in two stories or more.

D. Maximum Variation from Level Coursing: 1/8 inch in 3 ft and 1/4 inch in 10 ft; 1/2 inch in 30 ft.

E. Maximum Variation of Joint Thickness: 1/8 inch in 3 ft.

F. Maximum Variation from Cross Sectional Thickness of Walls: 1/4 inch.

3.15 CUTTING AND FITTING

A. Cut and fit for chases. Coordinate with other sections of work to provide correct size, shape, and location.

B. Obtain approval prior to cutting or fitting masonry work not indicated or where appearance or strength of masonry work may be impaired.

3.16 PARGING

A. Dampen masonry walls prior to parging.

B. Scarify each parging coat to ensure full bond to subsequent coat.

C. Steel trowel surface smooth and flat with a maximum surface variation of 1/8 inch per foot.

3.17 FIELD QUALITY CONTROL

A. An independent testing agency will perform field quality control tests, as specified in Section 01 40 00.

B. Concrete Masonry Unit Tests: Test each variety of concrete unit masonry in accordance with ASTM C140 for conformance to requirements of this specification.

C. Mortar Tests: Test each type of mortar in accordance with ASTM C 780, testing with same frequency as masonry samples.

3.18 CLEANING

A. Remove excess mortar and mortar droppings.

B. Replace defective mortar. Match adjacent work.

C. Clean soiled surfaces with cleaning solution.

D. Use non-metallic tools in cleaning operations.

3.19 PROTECTION

A. Without damaging completed work, provide protective boards at exposed external corners that are subject to damage by construction activities.

END OF SECTION

SECTION 04 72 00
CAST STONE MASONRY

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Architectural cast stone.

B. Units required are:
   1. Exterior wall units, water tables.

1.02 RELATED REQUIREMENTS

A. Section 04 05 11 - Masonry Mortaring and Grouting: Mortar for setting cast stone.

B. Section 04 20 00 - Unit Masonry: Installation of cast stone in conjunction with masonry.

C. Section 07 90 05 - Joint Sealers: Materials and execution methods for sealing soft joints in cast stone work.

1.03 REFERENCE STANDARDS

A. ACI 318 - Building Code Requirements for Structural Concrete and Commentary; American Concrete Institute International; 2011.

B. ASTM A123/A123M - Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products; 2012.

C. ASTM C33/C33M - Standard Specification for Concrete Aggregates; 2011a.

D. ASTM C150/C150M - Standard Specification for Portland Cement; 2012.

E. ASTM C270 - Standard Specification for Mortar for Unit Masonry; 2012.

F. ASTM C494/C494M - Standard Specification for Chemical Admixtures for Concrete; 2012.

G. ASTM C1364 - Standard Specification for Architectural Cast Stone; 2010b.

1.04 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

B. Manufacturer's Qualification Data: Documentation showing compliance with specified requirements.

C. Product Data: Test results of cast stone components made previously by the manufacturer.

D. Shop Drawings: Include elevations, dimensions, layouts, profiles, cross sections, reinforcement, exposed faces, arrangement of joints, anchoring methods, anchors, and piece numbers.

E. Mortar Color Selection Samples.

F. Verification Samples: Pieces of actual cast stone components not less than 6 inches square, illustrating range of color and texture to be anticipated in components furnished for the project.

G. Verification Samples: Pieces of actual cast stone components not less than 12 inches square, illustrating range of color and texture to be anticipated in components furnished for the project.

1.05 QUALITY ASSURANCE

A. Manufacturer Qualifications:
   1. A firm with a minimum of 5 years experience producing cast stone of types required for project.
   2. Current producer member of the Cast Stone Institute or the Architectural Precast Association.
   3. Manufacturer's production facility currently holds a Plant Certification from the Cast Stone Institute or the Architectural Precast Association.
   4. Adequate plant capacity to furnish quality, sizes, and quantity of cast stone required without delaying progress of the work.

B. Mock-Up: Provide full size cast stone components for installation in mock-up of exterior wall.
   1. Remove mock-up not incorporated into the work and dispose of debris.

1.06 DELIVERY, STORAGE, AND HANDLING

A. Deliver cast stone components secured to shipping pallets and protected from damage and discoloration. Protect corners from damage.

B. Number each piece individually to match shop drawings and schedule.

C. Store cast stone components and installation materials in accordance with manufacturer's instructions.

D. Store cast stone components on pallets with nonstaining, waterproof covers. Ventilate under covers to prevent condensation. Prevent contact with dirt.

E. Protect cast stone components during handling and installation to prevent chipping, cracking, or other damage.

F. Store mortar materials where contamination can be avoided.

G. Schedule and coordinate production and delivery of cast stone components with unit masonry work to optimize on-site inventory and to avoid delaying the work.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Architectural Cast Stone:
   1. Any current producer member of the Architectural Precast Association.
   2. Any current producer member of the Cast Stone Institute.

2.02 ARCHITECTURAL CAST STONE

A. Cast Stone: Architectural concrete product manufactured to simulate appearance of natural limestone, complying with ASTM C1364.
   1. Compressive Strength: As specified in ASTM C1364; calculate strength of pieces to be field cut at 80 percent of uncut piece.
   2. Freeze-Thaw Resistance: Demonstrated by field experience.
   3. Surface Texture: Fine grained texture, with no bugholes, air voids, or other surface blemishes visible from distance of 20 feet.
   4. Color: Selected by ERO Architects from manufacturer's full range.
   5. Remove cement film from exposed surfaces before packaging for shipment.

B. Shapes: Provide shapes indicated on drawings.
   1. Variation from Any Dimension, Including Bow, Camber, and Twist: Maximum of plus/minus 1/8 inch or length divided by 360, whichever is greater, but not more than 1/4 inch.
   2. Unless otherwise indicated on drawings, provide:
      a. Wash or slope of 1:12 on exterior horizontal surfaces.
      b. Drips on projecting components, wherever possible.
      c. Raised fillets at back of sills and at ends to be built in.

C. Reinforcement: Provide reinforcement as required to withstand handling and structural stresses; comply with ACI 318.
   1. Pieces More than 24 inches in Any Dimension: Provide full length two-way reinforcement of cross-sectional area not less than 0.25 percent of unit cross-sectional area.
   2. Pieces More than 12 inches Wide: Provide full length two-way reinforcement of cross-sectional area not less than 0.25 percent of unit cross-sectional area.

2.03 MATERIALS

A. Portland Cement: ASTM C150.
   1. For Units: Type I or II, gray.
   2. For Mortar: Type I or II, except Type III may be used in cold weather.

B. Coarse Aggregate: ASTM C33, except for gradation; granite, quartz, or limestone.

C. Fine Aggregate: ASTM C33, except for gradation; natural or manufactured sands.

D. Admixtures: ASTM C494/C494M.

E. Water: Potable.

F. Reinforcing Bars: ASTM A615/A615M deformed bars, galvanized or epoxy coated.

G. Steel Welded Wire Reinforcement: ASTM A185/A185M, galvanized or epoxy coated.

H. Embedded Anchors, Dowels, and Inserts: Type 304 stainless steel, of type and size as required for conditions.

I. Shelf Angles and Similar Structural Items: Hot-dip galvanized steel per ASTM A123/A123M, of shapes and sizes as required for conditions.

J. Mortar: Portland cement-lime, as specified in Section 04 05 11 .

K. Sealant: As specified in Section 07 90 05.

L. Cleaner: General-purpose cleaner designed for removing mortar and grout stains, efflorescence, and other construction stains from new masonry surfaces without discoloring or damaging masonry surfaces; approved for intended use by cast stone manufacturer and by cleaner manufacturer for use on cast stone and adjacent masonry materials.

PART 3 EXECUTION

3.01 EXAMINATION

A. Examine construction to receive cast stone components. Notify ERO Architects if construction is not acceptable.

B. Do not begin installation until unacceptable conditions have been corrected.

3.02 INSTALLATION

A. Install cast stone components in conjunction with masonry, complying with requirements of Section 04 20 00.

B. Mechanically anchor cast stone units indicated; set remainder in mortar.

C. Setting:
1. Drench cast stone components with clear, running water immediately before installation.
2. Set units in a full bed of mortar unless otherwise indicated.
3. Fill vertical joints with mortar.
4. Fill dowel holes and anchor slots completely with mortar or non-shrink grout.

D. Joints: Make all joints 3/8 inch, except as otherwise detailed.
1. Rake mortar joints 3/4 inch for pointing.
2. Remove excess mortar from face of stone before pointing joints.
3. Point joints with mortar in layers 3/8 inch thick and tool to a slight concave profile.
4. Leave the following joints open for sealant:
   a. Head joints in top courses, including copings, parapets, cornices, sills, and steps.
   b. Joints in projecting units.
   c. Joints between rigidly anchored units, including soffits, panels, and column covers.
   d. Joints below lugged sills and stair treads.
   e. Joints below ledge and relieving angles.
   f. Joints labeled "expansion joint".

E. Sealant Joints: Install sealants as specified in Section 07 90 05.

F. Installation Tolerances:
1. Variation from Plumb: Not more than 1/8 inch in 10 feet or 1/4 inch in 20 feet or more.
2. Variation from Level: Not more than 1/8 inch in 10 feet or 1/4 inch in 20 feet, or 3/8 inch maximum.
3. Variation in Joint Width: Not more than 1/8 inch in 36 inches or 1/4 of nominal joint width, whichever is less.
4. Variation in Plane Between Adjacent Surfaces (Lipping): Not more than 1/16 inch difference between planes of adjacent units or adjacent surfaces indicated to be flush with units.

G. Repairs: Repair chips and other surface damage noticeable when viewed in direct daylight at 20 feet.
1. Repair with matching touchup material provided by the manufacturer and in accordance with manufacturer's instructions.
2. Repair methods and results subject to ERO Architects 's approval.

3.03 CLEANING

A. Clean completed exposed cast stone after mortar is thoroughly set and cured.
   1. Wet surfaces with water before applying cleaner.
   2. Apply cleaner to cast stone in accordance with manufacturer's instructions.
   3. Remove cleaner promptly by rinsing thoroughly with clear water.
   4. Do not use acidic cleaners.

3.04 PROTECTION

A. Protect completed work from damage.

B. Clean, repair, or restore damaged or mortar-splashed work to condition of new work.

END OF SECTION

SECTION 06 10 00
ROUGH CARPENTRY

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Non-structural dimension lumber framing.

B. Rough opening framing for doors, windows, and roof openings.

C. Roof-mounted curbs.

D. Roofing nailers.

E. Preservative treated wood materials.

F. Fire retardant treated wood materials.

G. Miscellaneous framing and sheathing.

H. Concealed wood blocking, nailers, and supports.

1.02 RELATED REQUIREMENTS

A. Section 01 16 00 - Volatile Organic Compound (VOC) Content Limits.

B. Section 07 25 00 - Weather Barriers: Water-resistive barrier over sheathing.

C. Section 07 62 00 - Sheet Metal Flashing and Trim: Sill flashings.

1.03 REFERENCE STANDARDS

A. ANSI A208.1 - American National Standard for Particleboard; 2009.

B. ASTM A153/A153M - Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware; 2009.

C. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2011

D. ASTM C578 - Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation; 2012.

E. ASTM C1396/C1396M - Standard Specification for Gypsum Board; 2011.

F. ASTM D2898 - Standard Test Methods for Accelerated Weathering of Fire-Retardant-Treated Wood for Fire Testing; 2010.

G. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2012.

H. ASTM E96/E96M - Standard Test Methods for Water Vapor Transmission of Materials; 2012.

I. AWPA U1 - Use Category System: User Specification for Treated Wood; American Wood Protection Association; 2012.

J. ICC-ES AC38 - Acceptance Criteria for Water-Resistive Barriers; ICC Evaluation Service, Inc; 2011.

K. PS 20 - American Softwood Lumber Standard; National Institute of Standards and Technology (Department of Commerce); 2010.

L. SPIB (GR) - Grading Rules; Southern Pine Inspection Bureau, Inc.; 2002.

1.04 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

B. LEED Submittals: Submit applicable LEED Submittal Form for each different product made of sustainably harvested wood, salvaged and reused wood, wood fabricated from recovered timber, as well as locally-sourced wood, as specified in Section 01 35 15.

1.05 DELIVERY, STORAGE, AND HANDLING

A. General: Cover wood products to protect against moisture. Support stacked products to prevent deformation and to allow air circulation.

B. Fire Retardant Treated Wood: Prevent exposure to precipitation during shipping, storage, or installation.

PART 2 PRODUCTS

2.01 GENERAL REQUIREMENTS

A. Dimension Lumber: Comply with PS 20 and requirements of specified grading agencies.
   1. Species: Southern Pine, unless otherwise indicated.
   2. If no species is specified, provide any species graded by the agency specified; if no grading agency is specified, provide lumber graded by any grading agency meeting the specified requirements.
   3. Grading Agency: Any grading agency whose rules are approved by the Board of Review, American Lumber Standard Committee (www.alsc.org) and who provides grading service for the species and grade specified; provide lumber stamped with grade mark unless otherwise indicated.
   4. Lumber of other species or grades is acceptable provided structural and appearance characteristics are equivalent to or better than products specified.

B. Lumber fabricated from old growth timber is not permitted.

C. Provide sustainably harvested wood; see Section 01 60 00 for requirements.

D. Provide wood harvested within a 500 mile radius of the project site; see Section 01 60 00 for requirements for locally-sourced products.

E. Lumber salvaged from deconstruction or demolition of existing buildings or structures is permitted in lieu of sustainably harvested lumber provided it is clean, denailed, and free of paint and finish materials, and other contamination; identify source; see Section 01 60 00 for requirements for reused products.

F. Lumber fabricated from recovered timber (abandoned in transit) is permitted in lieu of sustainably harvested lumber, unless otherwise noted, provided it meets the specified requirements for new lumber and is free of contamination; identify source.

2.02 DIMENSION LUMBER FOR CONCEALED APPLICATIONS

A. Grading Agency: Southern Pine Inspection Bureau, Inc. (SPIB).

B. Sizes: Nominal sizes as indicated on drawings, S4S.

C. Moisture Content: S-dry or MC19.

D. Miscellaneous Framing, Blocking, Nailers, Grounds, and Furring:
   1. Lumber: S4S, No. 2 or Standard Grade.
   2. Boards: Standard or No. 3.

2.03 STRUCTURAL COMPOSITE LUMBER

A. At contractor's option, structural composite lumber may be substituted for concealed dimension lumber and timbers.

B. Structural Composite Lumber: Factory fabricated beams, headers, and columns, of sizes and types indicated on drawings; structural capacity as published by manufacturer.

2.04 FACTORY WOOD TREATMENT

A. Treated Lumber and Plywood: Comply with requirements of AWPA U1 - Use Category System for wood treatments determined by use categories, expected service conditions, and specific applications.
   1. Fire-Retardant Treated Wood: Mark each piece of wood with producer's stamp indicating compliance with specified requirements.
   2. Preservative-Treated Wood: Provide lumber and plywood marked or stamped by an ALSC-accredited testing agency, certifying level and type of treatment in accordance with AWPA standards.

B. Fire Retardant Treatment:
   1. Manufacturers:
      a. Arch Wood Protection, Inc: www.wolmanizedwood.com.
      b. Hoover Treated Wood Products, Inc: www.frtw.com.
      c. Osmose, Inc; Product FirePro: www.osmose.com.
   2. Interior Type A: AWPA U1, Use Category UCFA, Commodity Specification H, low temperature (low hygroscopic) type, chemically treated and pressure impregnated; capable of providing a maximum flame

spread rating of 25 when tested in accordance with ASTM E84, with no evidence of significant combustion when test is extended for an additional 20 minutes.
   a. Kiln dry wood after treatment to a maximum moisture content of 19 percent for lumber and 15 percent for plywood.
   b. Treat rough carpentry items as indicated .
   c. Do not use treated wood in applications exposed to weather or where the wood may become wet.

C. Preservative Treatment:
   1. Manufacturers:
      a. Arch Wood Protection, Inc: www.wolmanizedwood.com.
      b. Viance, LLC; Product ____: www.treatedwood.com.
      c. Osmose, Inc; Product MicroPro: www.osmose.com.
   2. Preservative Pressure Treatment of Lumber Above Grade: AWPA U1, Use Category UC3B, Commodity Specification A using waterborne preservative to 0.25 lb/cu ft retention.
      a. Kiln dry lumber after treatment to maximum moisture content of 19 percent.
      b. Treat lumber exposed to weather.
      c. Treat lumber in contact with roofing, flashing, or waterproofing.
      d. Treat lumber in contact with masonry or concrete.

PART 3 EXECUTION

3.01 INSTALLATION - GENERAL

A. Select material sizes to minimize waste.

B. Reuse scrap to the greatest extent possible; clearly separate scrap for use on site as accessory components, including: shims, bracing, and blocking.

C. Where treated wood is used on interior, provide temporary ventilation during and immediately after installation sufficient to remove indoor air contaminants.

3.02 BLOCKING, NAILERS, AND SUPPORTS

A. Provide framing and blocking members as indicated or as required to support finishes, fixtures, specialty items, and trim.

B. In metal stud walls, provide continuous blocking around door and window openings for anchorage of frames, securely attached to stud framing.

C. In walls, provide blocking attached to studs as backing and support for wall-mounted items, unless item can be securely fastened to two or more studs or other method of support is explicitly indicated.

D. Where ceiling-mounting is indicated, provide blocking and supplementary supports above ceiling, unless other method of support is explicitly indicated.

E. Specifically, provide the following non-structural framing and blocking:
   1. Cabinets and shelf supports.
   2. Wall brackets.
   3. Handrails.
   4. Grab bars.
   5. Towel and bath accessories.
   6. Wall-mounted door stops.
   7. Chalkboards and marker boards.
   8. Wall paneling and trim.
   9. Joints of rigid wall coverings that occur between studs.

3.03 TOLERANCES

A. Framing Members: 1/4 inch from true position, maximum.

B. Variation from Plane (Other than Floors): 1/4 inch in 10 feet maximum, and 1/4 inch in 30 feet maximum.

3.04 CLEANING

A. Waste Disposal: Comply with the requirements of Section 01 74 19.

1. Comply with applicable regulations.
2. Do not burn scrap on project site.
3. Do not burn scraps that have been pressure treated.
4. Do not send materials treated with pentachlorophenol, CCA, or ACA to co-generation facilities or "waste-to-energy" facilities.

B. Do not leave any wood, shavings, sawdust, etc. on the ground or buried in fill.

C. Prevent sawdust and wood shavings from entering the storm drainage system.

END OF SECTION

SECTION 07 01 50
DETAIL DRAWINGS/ROOF PLANS

1.01 DETAIL DRAWINGS

A. The enclosed details for this project are intended primarily to present the proper installation of the membranes used for waterproofing at flashings, perimeter closures, roof projections, etc. Specific underlying construction configurations, such as walls, nailers, wood backing, structural steel, etc., which may currently be in place may or may not be accurately depicted on the attached details. Unless specifically called out in the accompanying written specifications, or where a detail is noted "AS DRAWN", and/or proper roofing and construction practices are not being followed, underlying construction configurations are to remain unchanged from those in place on the building prior to this reroofing.

1.02 ROOF PLANS

A. Any drawings supplied are for reference purposes only. Dimensions, penetrations, curbs, etc. must be field verified. Those shown are typical but may not be all inclusive, and contractor shall be responsible for the correctness of same. Any existing insulation thickness, deck type or other details shown on the drawings shall be subject to contractor confirmation.

END OF SECTION

SECTION 07 21 00
THERMAL INSULATION

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Batt insulation and vapor retarder in exterior wall construction.

B. Batt insulation for filling crevices in exterior wall and roof.

1.02 RELATED REQUIREMENTS

A. Section 01 61 16 - Volatile Organic Compound (VOC) Content Restrictions.

B. Section 05 40 00 - Cold-Formed Metal Framing: Board insulation as wall sheathing.

C. Section 07 25 00 - Weather Barriers: Separate air barrier and vapor retarder materials.

1.03 REFERENCE STANDARDS

A. ASTM C665 - Standard Specification for Mineral-Fiber Blanket Thermal Insulation for Light Frame Construction and Manufactured Housing; 2012.

B. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2012.

C. ASTM E136 - Standard Test Method for Behavior of Materials in a Vertical Tube Furnace At 750 Degrees C; 2012.

1.04 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

B. Product Data: Provide data on product characteristics, performance criteria, and product limitations.

C. Manufacturer's Installation Instructions: Include information on special environmental conditions required for installation and installation techniques.

D. Manufacturer's Certificate: Certify that products meet or exceed specified requirements.

1.05 FIELD CONDITIONS

A. Do not install insulation adhesives when temperature or weather conditions are detrimental to successful installation.

PART 2 PRODUCTS

2.01 APPLICATIONS

A. Insulation Inside Masonry Cavity Walls: Extruded polystyrene board.

B. Insulation in Metal Framed Walls: Batt insulation with separate vapor retarder.

C. Insulation Above Lay-In Acoustical Ceilings: Batt insulation with no vapor retarder.

2.02 BATT INSULATION MATERIALS

A. Glass Fiber Batt Insulation at exterior stud cavity walls: Flexible preformed batt or blanket, complying with ASTM C665; friction fit.
   1. Full width batt for use with steel studs spaced 16" on center
   2. Flame Spread Index: 25 or less, when tested in accordance with ASTM E84.
   3. Smoke Developed Index: 50 or less, when tested in accordance with ASTM E84.
   4. Combustibility: Non-combustible, when tested in accordance with ASTM E136, except for facing, if any.
   5. Formaldehyde Content: Zero.
   6. Thermal Resistance: R of 19.
   7. Thickness: 6 inch.
   8. Facing: kraft faced, one side.
   9. Manufacturers:
      a. CertainTeed Corporation: www.certainteed.com.
      b. Johns Manville Corporation: www.jm.com.

c. Knauf Insulation GmbH: www.knaufinsulation.us.
d. Owens Corning Corp: www.owenscorning.com.

B. Glass Fiber Sound Attenuation Batts at interior stud cavity walls: Flexible preformed batt or blanket, complying with ASTM C665; friction fit.
1. Full width batt for use with steel studs spaced 16" on center
2. Flame Spread Index: 10 or less, when tested in accordance with ASTM E84.
3. Smoke Developed Index: 10 or less, when tested in accordance with ASTM E84.
4. Combustibility: Non-combustible, when tested in accordance with ASTM E136, except for facing, if any.
5. Formaldehyde Content: Zero.
6. Thickness: 3 1/2 inch.
7. Manufacturers:
a. CertainTeed Corporation: www.certainteed.com.
b. Johns Manville Corporation: www.jm.com.
c. Knauf Insulation GmbH: www.knaufinsulation.us.
d. Owens Corning Corp: www.owenscorning.com.

C.

D. Substitutions: See Section 01 60 00 - Product Requirements.

2.03 ACCESSORIES

A. Tape: Bright aluminum self-adhering type, mesh reinforced, 2 inch wide.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that substrate, adjacent materials, and insulation materials are dry and that substrates are ready to receive insulation and adhesive.

B. Verify substrate surfaces are flat, free of honeycomb, fins, irregularities, or materials or substances that may impede adhesive bond.

3.02 BOARD INSTALLATION AT CAVITY WALLS

A. Install boards to fit snugly between wall ties.

B. Install boards horizontally on walls.

C. Cut and fit insulation tightly to protrusions or interruptions to the insulation plane.

3.03 BATT INSTALLATION

A. Install insulation and vapor retarder in accordance with manufacturer's instructions.

B. Install in exterior wall spaces without gaps or voids. Do not compress insulation.

C. Trim insulation neatly to fit spaces. Insulate miscellaneous gaps and voids.

D. Fit insulation tightly in cavities and tightly to exterior side of mechanical and electrical services within the plane of the insulation.

E. At metal framing, place vapor retarder on warm side of insulation; lap and seal sheet retarder joints over member face.

F. Tape seal tears or cuts in vapor retarder.

G. Extend vapor retarder tightly to full perimeter of adjacent window and door frames and other items interrupting the plane of the membrane. Tape seal in place.

3.04 PROTECTION

A. Do not permit installed insulation to be damaged prior to its concealment.

END OF SECTION

SECTION 07 27 20

FLUID APPLIED VAPOR PERMEABLE MEMBRANE AIRE BARRIER SYSTEM ASSEMBLY

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Materials and installation methods supplementing a one-component vapor permeable, liquid applied elastic air and water barrier, vapor retarder materials and assemblies.

B. Materials and installation to bridge and seal the following air leakage pathways and gaps:
   1. Connections of the walls to the roof air barrier.
   2. Connections of the walls to the foundations.
   3. Expansion joints.
   4. Openings and penetrations of window frames, store front, curtain wall.
   5. Barrier precast concrete and other envelope assembly.
   6. Door frames.
   7. Piping, conduit, duct and similar penetrations.
   8. Masonry ties, screws, bolts and similar penetrations.
   9. All other air leakage pathways in the building envelope.
   10. Sealing flashing to wall surface.

1.02 RELATED SECTIONS

A. Section 04 20 19 – Veneer Unit Masonry: Flexible through wall flashing membrane. Sealing flashing to wall surface.

B. Section 04 42 13 – Masonry-Supported Stone Cladding: Flexible through wall flashing membrane. Sealing flashing to wall surface.

C. Section 04 42 16 – Steel-Stud-Supported Stone Cladding: Flexible through wall flashing membrane. Sealing flashing to wall surface.

D. Section 06 10 53 – Miscellaneous Carpentry: Covering preservative-treated materials with self-adhering membranes.

E. Section 06 16 43 – Gypsum Sheathing: Installing air barrier membrane over glass-faced gypsum sheathing and structural roof decking and roof board.

F. Section 07 24 19 – Water-Drainage Exterior Insulation and Finish System.

G. Section 07 90 00 – Joint Protection: Sealants.

1.03 PERFORMANCE REFERENCES

A. ASTM E 2178-01: Standard Test for Determining the Air Permeability of Building Materials.

B. ASTM E 2357, Standard Test Method for Determining Air Leakage of Air Barrier Assembly (Full Scale Wall Testing of the Air Barrier System). Ensure tests were conducted on steel stud frame walls with penetrations (Specimen 2) as some air barrier assembly are not tested in that critical mode.

C. ASTM E283-91: Standard Test Method for Determining the Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen.

D. CODE MANDATED ASTM E331: Standard Test Method for Structural Performance of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference.

E. ASTM E96: Water Vapor Transmission of Materials, Procedure B

F. AATCC 127 Water Resistance

G. ASTM D 1970, Self Sealability

H. ICC-ES AC212, Freeze Thaw, Crack Bridging

I. CODE MANDATED Fire Testing: Air Barrier, as a component of a wall assembly, shall have passed a NFPA 285 complete wall fire test.

J. ASTM E84, Standard Test Method for Surface Burning

K. Listed as an evaluated system by Air Barrier Association of America at www.airbarriers.org

1.04 PERFORMANCE REQUIREMENTS

A. Provide an air barrier system constructed to perform as a continuous elastic air barrier, and as a liquid water drainage plane flashed to discharge to the exterior any incidental condensation or water penetration. Membrane shall accommodate movements of building materials by providing expansion and control joints as required, with accessory air seal materials at such locations, changes in substrate and perimeter conditions.
   1. The air barrier shall have the following characteristics:
      a. It must be continuous, with all joints made air-tight.
      b. It shall be capable of withstanding positive and negative combined design wind, fan and stack pressures on the envelope without damage or displacement, and shall transfer the load to the structure. It shall not displace adjacent materials under full load. The air barrier shall be joined in an airtight and flexible manner to the air barrier material of adjacent assembly, allowing for the relative movement of assembly due to thermal and moisture variations and creep. Connection shall be made between:
         1) Foundation and walls.
         2) Walls and windows or doors.
         3) Different wall assembly.
         4) Wall and roof.
         5) Wall and roof over unconditioned space.
         6) Walls, floor and roof across construction, control and expansion joints.
         7) Walls, floors and roof to utility, pipe and duct penetrations.
         8) Flashing to wall surface.
   2. All penetrations of the air barrier and paths of air infiltration/exfiltration shall be made air-tight.
   3. Air Permeability: Maximum 0.04 cfm/sq.ft. @ 10.5 psf per ASTM E283.
   4. Air Permeability: @ delta P of 0.3 inches water...0.002 CFM/ft² per ASTM E 2178
   5. ASTM E 2357, Full Scale Wall Testing of the Air Barrier System
      a. System Air Leakage, Requirement – 0.0008 CFM/ft² maximum
      b. Penetration Check, Requirement – 0.00088 CFM/ft² maximum
   6. ASTM E96 Water Vapor Permeance:10-20 Perms per Procedure B
   7. ASTM E331, Standard Test Method for Structural Performance of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference - 10 psf for 2 hours.
   8. Elongation: Minimum 50% per ASTM D412.
   9. AATC 127 Water Resistance – Pass
   10. ASTM D 1970 Self Sealability – Pass
   11. ICC-ES AC212, Freeze Thaw, Crack Bridging – Pass
   12. Fire Testing: Air Barrier, as a component of a wall assembly, shall have passed a NFPA 285 complete wall fire test.
   13. ASTM E84 Class A Fire Resistant
   14. Listed as an evaluated assembly by the Air Barrier Association at www.airbarriers.org

1.05 SUBMITTALS

A. Section 01 33 00 – Submittal Procedures: Submittal Procedures.

B. Prior to commencing the Work, submit manufacturer's independent Laboratory Report for
   1. the Air Barrier Assembly testing on ASTM E 2357 tested on a steel stud frame wall, results
   2. are to be based on Specimen 2 testing only.

C. Prior to commencing the Work, submit documentation certifying that the air
   1. barrier system has been tested independently, indicating compliance with the performance
   2. requirements of the Air Barrier Association of Association.

D. Prior to commencing the Work, submit copies of manufacturers' literature for the system, membrane, primers, sealants, adhesives and associated auxiliary materials shall be included as parts of the system that is listed by the Air Barrier Association of America evaluation.

E. Prior to commencing the Work, submit references clearly indicating that the materials proposed have been installed for not less than three years on projects of similar scope and nature.

F. Prior to commencing the Work, submit manufacturers' complete set of standard details for air barrier/vapor retarders. The manufacturer's representative shall review the contract drawings and note any modifications required to make the system air and water tight.

1.06 QUALITY ASSURANCE

A. Manufacturer's Qualifications: Provide primary products, including each component of the air barrier membrane system, which has been commercially available for a minimum of 3 years.

B. Submit in writing, a document stating that the applicator of the primary air barrier membrane specified in this section is recognized by the manufacturer as suitable for the execution of the Work.

C. Perform Work in accordance with the printed requirements of the air barrier manufacturer and this specification.

D. Maintain one copy of manufacturer instructions on site.

E. At the beginning of the Work and at all times during the execution of the Work, allow access to Work site by the air barrier membrane manufacturer's representative.

F. Components used in this section shall be sourced from one manufacturer, including sheet membrane, air barrier sealants, primers, mastics, tapes and adhesives as listed as an evaluated air barrier assembly by the Air Barrier Association of America.

1.07 MOCK-UP

A. Construct mock-up in accordance with Section 01 40 00 – Quality Requirements: Requirements for a mock-up.

B. Provide mock-up of air barrier materials under provisions of Section 04 20 19 – Veneer Unit Masonry.

C. Items to be incorporated in mock-up include:

D. Where directed by Architect, construct typical exterior wall panel, 4'-0" long by 6'-0" high, incorporating masonry veneer system, through wall flexible flashing, glass-faced gypsum sheathing, wall ties, board insulation, metal studs, aluminum curtain wall frame, aluminium window frame, showing air barrier membrane application details and transition membranes.

1. Where directed by Architect, construct typical exterior wall panel, 4'-0" long by 6'-0" high, incorporating masonry veneer system, concrete masonry backup, wall ties, through wall flexible flashing, board insulation, aluminium window frame, showing air barrier membrane application details and transition membranes.

E. Allow 72 hours for inspection of mock-up by Architect before proceeding with air barrier work.

1.08 PRE-INSTALLATION CONFERENCE

A. Convene four weeks prior to commencing work of this section, under provisions of Section 01 30 00 – Administrative Requirements: Pre-Installation Meeting. Attendance by the manufacturer's representative along with the installer is mandatory.

DO NOT PROCEED WITH THE INSTALLATION OF THE AIR BARRIER MEMBRANE AND THE THROUGH WALL FLASHING MEMBRANE PRIOR TO THE PRE-INSTALLATION CONFERENCE.

1.09 DELIVERY, STORAGE AND HANDLING

A. Deliver materials to the job site in undamaged and original packaging indicating the name of the manufacturer and product.

B. All pail goods shall bear the ABAA Evaluated Air Barrier label

C. Store roll materials on end in original packaging.

D. Keep all products stored at above 40°F. Apply to a substrate with a

1. surface T°F of 40°F and rising. **DO NOT ALLOW PRODUCT TO FREEZE.**
2. Protect rolls from direct sunlight until ready for use.
3. Do not double stack pail goods.

1.10 COORDINATION

A. Ensure continuity of the air seal throughout the scope of this section.

PART 2 PRODUCTS

2.01 MEMBRANES

A. Liquid air barrier: One component elastomeric membrane, spray, trowel or brush applied, having the following characteristics and have passed all evaluations by the Air Barrier Association of America (ABAA) and be listed on their web site as having passed all the evaluations :
   1. Air permeability:
      a. Air Leakage Thru Cured Films: <0.04 cfm/ft2 @ 10.5 lbs/ ft2 or <0.005 L/sm2 @ 75 Pa to ASTM E283 (Modified) 24 hours, +/- 10%.
      b. Air Leakage per ASTM E 2178, dry film, delta P of 0.3 inches of water, 0.002 +/- 10%
   2. Air Barrier System Test on Full Scale Wall Assembly, ASTM E 2357
      a. System Air Leakage, 0.0008 CFM/ft² +/- 10%
      b. Penetrations Check, MUST PASS ASTM E 2357 requirements
   3. Water Vapor permeance: (704 ng/Pa.m2.s.) 10 to 20 perms, ASTM E96 Method B. NOTE: THE MATERIAL SPECIFIED IS VAPOR PERMEABLE.
   4. Elongation (ASTM D412: >50%)
   5. Low temperature flexibility and crack bridging: Pass – ICC-ES AC212
   6. ASTM D 1970, Self Sealability – Pass
   7. AATCC 127 Water Resistance – Pass
   8. ASTM E84, Class A Fire Resistant
   9. Recycle content >20%

B. Acceptable Manufacturers
   1. FW-100A, a non-asphaltic product manufactured by STS Coatings, Wall Guardian, 830-995-5177,www.wallguardian.com,
   2. Other products/assembly meeting the performance requirements

C. Transition Membrane, Self-Adhering: Polymer-based, sheet membrane complete with polyester facing, and having the following physical properties:
   1. Thickness: 35 mils (0.5 mm) min.
   2. Vapor permeance: <0.1
   3. Low temperature flexibility: -20 F to CGSB 37-GP-56M;
   4. Elongation: >90% to ASTM D412-modifed
   5. ASTM E331, 10 psf for 2 hours
      a. Acceptable material:
      b. 1) UT-40 by STS Coatings for use with the FW-100 system.
      c. 2) Others as recommended by manufacturer

2.02 PRIMER

A. Primer for self-adhering membranes: Synthetic polymer-based adhesive type, quick setting, having the following characteristics:
   1. Acceptable material: As manufactured and/or recommended by the Air Barrier System manufacturer. Note: Primer shall be compatible with specified glass faced gypsum sheathing.
   2. Verify compatibility of self-adhering membranes with preservative treated materials specified in Section 06 10 53. Prime preservative treated materials as required using primer recommended by self-adhering membrane manufacturer or use the non-chemical thermally modified wood known as EcoPrem.

2.03 SEALANTS

A. Sealants shall be compatible with air barrier assembly and shall be approved by the air barrier manufacturer.

B. Products:
   1. STS Coatings LT-100 Liquid Tape for concealed applications only and Great Seal PE-150 for concealed and exposed applications.

C. Primers: As recommended by manufacturer for surfaces to be sealed.

D. Backer Rods: As recommended by sealant manufacturer.

E. Others as recommended by manufacturer

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that surfaces and conditions are ready to accept the Work of this section. Notify Architect in writing of any discrepancies. Commencement of the work or any parts thereof shall mean acceptance of the prepared substrate.

3.02 PREPARATION

A. All surfaces must be sound, dry, clean and free of oil, grease, dirt, excess mortar or other contaminants. Fill spalled areas in substrates to provide an even plane.

B. Mortar joints in concrete block and form tie holes/voids in poured concrete shall be filled flush and smooth and allowed to be cured for a minimum of 24 hours.

C. All joints between gypsum sheathing, roof board, masonry and concrete and other substrate joints up to 1/4" wide shall be treated:
   1. STS Coatings LT-100 Liquid Tape, www.stscoatings.com.
   2. York Manufacturing, US-100, www,yorkmfg.com
   3. Others as recommended by manufacturer

D. All joints between gypsum sheathing, roof board, masonry and concrete and other substrates wider than 1/4" shall be sealed with:
   1. UT-40, overlapping each side of joint a minimum of 3 inches
   2. Others as recommended by manufacturer

E. Install backer rod and sealant at the following joints:
   1. All expansion/control/erection joints between concrete wall panels.
   2. All expansion/control joints in concrete block back-up.
   3. All joints between concrete wall panels and concrete block back-up.

3.03 PRIMER FOR TRANSITION MEMBRANE (SELF-ADHERING TYPE ONLY)

A. Apply primer for self-adhering membranes at rate recommended by manufacturer.

B. Apply primer to all areas to receive transition sheet membrane as indicated in Drawings by roller or spray and allow minimum 30 minute open time. Primed surfaces not covered by transition membrane during the same working day must be re-primed.

3.04 TRANSITION MEMBRANE (SELF-ADHERING TYPE)

A. Align and position self-adhering transition membrane, remove protective film and press firmly into place. Ensure minimum 2 inch overlap at all end and side laps unless otherwise noted.

B. Tie-in to roofing system and at the interface of dissimilar materials as indicated in Drawings.

C. Promptly roll all laps and membrane with a counter top roller to affect seal.

D. Ensure all preparatory work is complete prior to applying liquid membrane.

3.05 PRIMARY AIR BARRIER

A. Apply by spray or roller, a complete and continuous unbroken film at a temperature of 40°F and rising with less than a 30% chance of rain in the next 18 hours and apply at the same rate as listed in the Air Barrier Association of America evaluation
   1. Exterior Gypsum Sheathing, Plywood or OSB
      a. Wall Guardian FW-100A at a minimum of 2.5 gallons per 100 ft² (40 ft²/gallon) (40 wet mils)
      b. Others meeting stated requirements
      c. Spray around all projections, including masonry veneer anchors, ensuring a complete and continuous air seal.
         1) Concrete Masonry Unit (CMU), Concrete

(a) Wall Guardian FW-100A at a minimum of 2.5 gallons per 100 ft² (40 ft²/gallon) (equal to 40 wet mils on a smooth surface)
(b) Others meeting stated requirements
(c) Spray around all projections including masonry veneer anchors ensuring a complete and continuous air seal.

3.06 INSPECTION

A. Notify Architect when sections of work are complete so as to allow for review prior to installing insulation. The manufacturer's representative shall be on site to review the installation along with the Architect.

3.07 PROTECTION OF FINISHED WORK

A. Liquid membranes are not designed for permanent exposure. Cover the liquid membrane, as recommended by the manufacturer, within the following time frames. Contractor shall verify the number of calendar days with the air barrier manufacturer:
   1. Cover the Wall Guardian material within 180 calendar days after installation. The nature of this product is such that some surface weathering may become apparent during exposure. This is a surface effect only and does not impact air barrier system performance.
   2. Transition membranes shall be covered within 180 days after installation

B. Prepare, treat and seal vertical and horizontal surfaces at terminations and penetrations through the air barrier and at protrusions according to air barrier manufacturer's written instructions.

3.08 SCHEDULE

A. Install liquid membrane system over the entire surface of the glass faced sheathing in the following area. Seal any masonry anchor penetrations air tight.
   1. In the masonry cavity wall.

B. Install liquid membrane system over the entire surface of the outer surface of the inner wythe of masonry. Seal any masonry anchor penetrations air tight.

C. Install liquid membrane system over the entire surface of the outer surface of the concrete wall panels. Seal any masonry anchor penetrations air tight.

D. Install liquid membrane system over the entire surface of the glass faced gypsum sheathing and/or roof board in the following area:
   1. Behind the metal parapet panels.
   2. Behind the metal wall and soffit panels.

E. Hollow Metal Door Frames: Seal door frame to wall surface with transition membrane.

F. Wall and Roof Junction: Seal wall to roof with transition membrane.

G. Seal joints in glass-faced sheathing with tape in the following areas:

H. Cement plaster soffit.

I. Seal the top of sheathing to the underside of the roof assembly with foam or LT-100.

J. Openings: Seal around the perimeter of all openings with transition membrane.

K. Perimeter wood nailers at wall openings: Cover all exposed surfaces of wood nailers with transition membrane. Extend membrane over sheathing, masonry and metal framing as shown.

L. Aluminum window frames with nailing flanges: Seal the nailing flanges to the wall surface with transition membrane.

M. Aluminum window frames without nailing flanges: Seal frames to the wall surface with transition membrane.

N. Aluminum storefront frames: Seal frames to the wall surface with transition membrane.

O. Aluminum curtain wall frames: Seal frames to wall surface with transition membrane.

END OF SECTION

SECTION 07 62 00

SHEET METAL AND MISCELLANEOUS ACCESSORIES

FOR FULLY ADHERED MULTI-PLY ROOF SYSTEM

PART 1 GENERAL

2.01 SUMMARY

A. Section Includes:
   1. Provide flashing and sheet metal components for moisture protection.
   2. Related accessories.

2.02 SUBMITTALS

A. Product Data:
   1. Submit shop drawings, product data and mockups of all sheet metal.

2.03 QUALITY ASSURANCE

A. Comply with governing codes and regulations. Provide products of acceptable manufacturers in satisfactory use in similar service for five (5) years. Use experienced installers. Deliver, handle and store materials in accordance with manufacturer's instructions.

B. Reference Standards: Applicable portions of ASCE, SMACNA, ASTM and NAAMM publications.

2.04 WARRANTIES

A. Manufacturer's Product Warranty: Submit manufacturer's standard limited product warranty signed by the manufacturer's authorized official, guaranteeing to correct failures in product which may occur during the warranty period, without reducing or otherwise limiting any other rights to correction which the Owner/Project Consultant may have under the contract documents. Failure is defined to include product failure which leads to interruption of a watertight installation. Correction may include repair or replacement of failed product.

B. Contractor's Warranty Period: For roofing flashing and sheet metal, provide a written warranty which shall warrant work to be free of leaks and defects in materials and workmanship for two (2) years, starting from date of substantial completion.

C. Defects of the sheet metal occurring during the warranty period shall be promptly corrected by the contractor, and defects of the roofing shall be promptly corrected by the manufacturer at no additional cost to the Owner. Upon notification from the Owner or the Owner's representative that evidence of a defect exists, the responsible party shall immediately inform the Owner's representative of the date on which corrective work will be scheduled, and shall notify the Owner's representative when the corrective work has been completed.

PART 2 PRODUCTS

3.01 SHEET METAL MATERIAL

A. Hot-dipped Galvanized Steel for use as counterflashings (where not visible from the ground), pitch pans and expansion joints: Minimum 24-gauge, G-90, hot-dipped galvanized metal, commercial quality, ASTM A 525.

B. Hot-dipped Galvanized Steel for use as continuous clips: Minimum 22-gauge, G-90, hot-dipped galvanized metal, commercial quality, ASTM A 525.

C. Prefinished Galvanized Sheet Steel (where visible from the ground): Shall be 24-gauge flat stock, prefinished with Kynar finish meeting ASTM A 446, forty-five and one-half inches to forty-eight inches width by one hundred twenty inches in length (45-1/2" - 48" x 120") for use as new metal edge gravel guard, downspouts, gutters, coping and miscellaneous metal. Standard color to be selected by Owner/Project Consultant.

D. Elvaloy® Cladded Metal: Shall be G-90 galvanized steel with 25 mil Elvaloy® membrane lamination; width shall be four feet, length shall be eight or ten feet. Standard color to be selected by Owner.

E. Stainless Steel: QQ-S-766, Class 301, 302, 304, or 316; or ASTM A 167, Type 301, 302, 304, or 316; form and condition most suitable for the purpose.

F. Aluminum and Aluminum Alloy Plate and Sheet: QQ-A-250; form, alloy, and temper shall be that most suitable for the purpose.

G. Sheet Lead: QQ-L-201, Grade B.

H. All existing sheet metal shall be replaced with new metal of like gauge and type, or as specified on drawings.

3.02 FASTENERS

A. Fasteners shall be same metal as flashing/sheet metal, or other non-corrosive metal as recommended by sheet manufacturer for the specific application. Match finish of exposed heads with material being fastened.

B. Fasteners and fastening plates or bars shall be listed in the FM Global Approval Guide.

C. Fastener for Brick: Shall be one-fourth inch by two inches (1/4" x 2"), zinc with plated steel or stainless steel nail, one piece unit, flat head.

D. Screws: Self-taping sheet metal type with integral cupped hex washer head and neoprene washer, as appropriate. Equal to ZAC Tapping Fasteners by SFSIntec or approved equal.

E. Pop Rivets: Full stainless steel Series 42 or 44, as appropriate.

F. Continuous Clip: Concealed hold-down clip type; of same materials as coping, gravel guard, sized to suit application. Use a continuous clip, minimum 20-gauge G-90 galvanized.

3.03 RELATED MATERIAL

A. Bituminous Paint: Acid and alkali resistant, black color.

B. Plastic Cement: FS SS-C-153, cutback asphalt type.

C. Solder: QQ-S-571 composition best suited for purpose; use high tin content, minimum 60/40, for stainless steel and monel alloy.

D. Copper, Sheet, and Strip: QQ-C-576, ASTM B 370, light cold-rolled temper.

E. Lead-coated Copper: ASTM B 101, Type I or II, Class A.

F. Sealant (for Sheet Metal): One-component polyurethane, conforming to requirements of FS TT-S-230C, non-staining and non-bleeding.

G. Miscellaneous Materials:
1. Downspout Boots: Cast iron by Neenah Foundry Company, or pre-approved equal, provide and install.
2. Splash Blocks: Concrete, 3000 psi, 28 days. Provide and install with protection pads at all downspouts. Dimensions shall be a minimum eighteen inches wide by thirty-six inches long (18" x 36").
3. Metal Accessories: Provide sheet metal clips, straps, anchoring devices, and similar accessory units as required for installation of work, matching or compatible with material being installed, non-corrosive, size, and gauge required for performance.

PART 3 EXECUTION

4.01 INSPECTION

A. Verify roof openings, curbs, pipes, sleeves, ducts or vents through roof are solidly set, cant strips and reglets in place, substrates are smooth and clean and nailing strips located.

B. Verify membrane termination and base flashings are in place, sealed and secure.

C. Beginning of installation means acceptance of conditions.

4.02 PREPARATION

A. Field measure site conditions prior to fabricating work. Provide all shop drawings and mock-ups one month prior to installation to the Owner/Project Consultant for approval.

B. Install starter and edge strips and cleats before starting installation.

4.03 FABRICATION - GENERAL

A. Shop-fabricate work to greatest extent possible. Comply with details shown, and with applicable requirements of SMACNA "Architectural Sheet Metal Manual" and other recognized industry practices. Fabricate for waterproof and weather-resistant performance; with expansion provisions for running work, sufficient to permanently prevent leakage, damage or deterioration of the work. Form work to fit substrates. Comply with material manufacturer's instructions and recommendations. Form exposed sheet metal work without excessive

oil-canning, buckling, and tool marks, true to line and levels as indicated, with exposed edges folded back to form hems.

B. Fabricate gravel stops/fascia, gutters/downspouts, counterflashings, pitch pans, expansion joints, and copings with new galvanized sheet metal as specified. Fabricate gravel guard and fascia to size and dimensions as indicated on the drawings. Fabricate light metal coping, gutters and downspouts as indicated.

C. Form sheet metal on bending brake.

D. Shape, trim and hand seam metal on bench insofar as practicable.

E. Form materials with straight lines, sharp angles and smooth curves.

F. Fold back edges on concealed side of exposed edge to form hem (1/2" minimum).

G. Weld or solder joints on parts that are to be permanently and rigidly assembled.

H. Submit sheet metal models for approval by the Owner/Project Consultant.

I. Limit single-piece lengths to ten feet (10').

J. Fabricate corner pieces with eighteen inch (18") extensions, metered and sealed by forming as one piece.

K. Surface sand flange prior to applying any primers on Kynar metal.

L. Backpaint flashing in contact with masonry or dissimilar materials with bituminous paint.

M. New rooftop projection details shall be as recommended in NRCA or SMACNA handbooks. All rooftop projections shall be cleaned, all joints sealed, and painted with a rust inhibitive paint. Standard color to be selected by the Owner/Project Consultant.

N. All sheet metal shall be sealed and watertight.

O. Metal work should be secured so as to prevent damage from buckling or wind. Where clips are shown, these are to be continuous.

P. All metal to receive bitumen or adhesive shall be first primed with asphalt primer.

Q. All prefinished metal shall be sanded and/or abraded prior to receiving primer.

R. Seams: Fabricate non-moving seams in sheet metal with flat-lock seams. For metal other than aluminum, tin edges are to be seamed, form seams, and solder.

S. Expansion Provisions: Form expansion joints of intermeshing hooked flanges, not less than one inch (1") deep, filled with mastic sealant (concealed within joints).

T. Sealant Joints: Where movable, non-expansion type joints are indicated or required for proper performance of work, form metal to provide for proper installation of elastomeric sealant, in compliance with industry standards.

U. Separations: Provide for separation of metal from non-compatible metal or corrosive substrates by coating concealed surfaces at locations of contact, with bituminous coating or other permanent separation as recommended by manufacturer/fabricator.

V. Bed flanges of work in a thick coat of bituminous roofing cement where required for waterproof performance.

4.04 INSTALLATION

A. General: All sheet metal termination to vertical wall shall have a through-wall with receiver installed on masonry walls or prefabricated "Z" bar flashing pre-installed to fluid applied wall finished prior to installation of sheet metal termination. This applies to edge metal, base flashing closures and all vertical surface intersections. Refer to NRCA, SMACNA, and metal manufacturer's guidelines.

B. **Elvaloy® cladded metal shall be fabricated as needed; follow these specifications and standard sheet metal practice for attachment to roof details.**

C. **Edge Metal/Fascia:**
   1. Shall be installed with expansion joints, ten feet (10') on center, one-fourth inch (1/4") expansion leeway, with a cover plate.
   2. Secure metal flashings per specifications.
   3. Lock seams and end joints.
   4. Form sections identical to profiles as shown or approved similar, to match existing building.

5. Fabricate corner pieces with minimum eighteen inch (18"), maximum forty-eight inch (48") extensions, formed and sealed with rivets and sealant, as one piece.
6. Hem exposed edges three-fourths inch (3/4") minimum.
7. Backpaint flashing in contact with masonry or dissimilar materials with bituminous paint. Surface sand before applying primers.
8. Integrate flashing in a manner consistent with detailing.
9. Provide and install continuous clip around perimeter.
10. Shall be fabricated in accordance with all SMACNA provisions.
11. Color as selected from manufacturer's full range of colors including metallics.

D. **Coping:**
1. Install new metal coping as required for a permanent watertight installation.
2. All coping shall be manufactured with low profile standing seam metal to meet ES-1.
3. Shall be minimum 24-gauge prefinished Kynar installed in ten foot (10') sections maximum.
4. Vertical fascia shall extend minimum two and one-half inches (2-1/2") or be minimum one and one-half inches (1-1/2") below bottom of nailer, whichever is greater.
5. Secure metal flashings per specifications.
6. Lock seams and end joints.
7. Form sections identical to profiles as shown or approved similar, to match existing building.
8. Fabricate corner pieces with minimum eighteen inch (18"), maximum forty-eight inch (48") extensions, formed and sealed with rivets and sealant, as one piece.
9. Hem exposed edges three-fourths inch (3/4") minimum.
10. Backpaint flashing in contact with masonry or dissimilar materials with bituminous paint. Surface sand before applying primers.
11. Integrate flashing in a manner consistent with detailing.
12. Provide and install continuous clip, minimum 22-gauge.
13. Shall be fabricated in accordance with all SMACNA provisions.
14. Color as selected from manufacturer's full range of colors including metallics.

E. **Expansion Joint Field and at Wall:**
1. Shall be as outlined by details, and be in full compliance with all provisions of SMACNA and FM Global requirements for attachment, installation and recommendations.
2. Secure metal flashings per specifications.
3. Lock seams and end joints.
4. Form sections identical to profiles as shown or approved similar, to match existing building.
5. Fabricate corner pieces with minimum eighteen inch (18"), maximum forty-eight inch (48") extensions, formed and sealed with rivets and sealant, as one piece.
6. Hem exposed edges three-fourths inch (3/4") minimum.
7. Backpaint flashing in contact with masonry or dissimilar materials with bituminous paint. Surface sand before applying primers.
8. Integrate flashing in a manner consistent with detailing.
9. Provide and install continuous clip around perimeter.
10. Shall be fabricated in accordance with all SMACNA provisions.

F. **Counterflashing:**
1. Install new metal counterflashing as required for a permanent watertight installation.
2. Saw cut brick mortar joint to receive friction fit reglet and removable counterflashing as detailed in SMACNA Figure 4-3E.

G. **Gutter and Downspout:**
1. Fabrication:
    a. Fabricate gutter and downspout of profile and size indicated.
    b. Field measure site conditions prior to fabricating work.
    c. Fabricate with required connection pieces.
    d. Fabricate section square, true, and accurate in size, in maximum possible lengths and free of distortion or defects detrimental to appearance or performance.

e. Hem exposed edges of metal.
f. Form and seal all metal joints; provide for expansion joints per SMACNA.

2. Installation:
   a. Install collector head, downspout, and accessories.
   b. Join lengths with seams pop riveted and sealed watertight. Flash and seal collector head to downspouts and accessories.
   c. Seal all metal joints watertight for full metal surface contact.
   d. d.
   e. Downspouts: Rectangular profile. Seal all joints, four inches by six inches (4" x 6").
   f. Support Brackets, Joint Fasteners: Profiled to suit gutters and downspouts.
   g. Anchorage Devices: SMACNA requirements. Type recommended by fabricator.
   h. Collector Head Support: Kynar. Color and Finish to match, as recommended by SMACNA.
   i. Downspout Supports: Straps, Kynar. Color and Finish to match.

H. **Overflow Scupper, Collector Head and Downspout:**

1. Fabrication:
   a. Fabricate overflow scupper, collector head and downspout of profile and size indicated, taking care that the roof drain leader fits properly into the back of the collector head. Seal the pipe to the collector head for watertightness.
   b. Field measure site conditions prior to fabricating work.
   c. Fabricate with required connection pieces.
   d. Fabricate section square, true, and accurate in size, in maximum possible lengths and free of distortion or defects detrimental to appearance or performance.
   e. Hem exposed edges of metal.
   f. Form and seal all metal joints; provide for expansion joints per SMACNA.
2. Installation:
   a. Install collector head, downspout, and accessories.
   b. Join lengths with seams pop riveted and sealed watertight. Flash and seal collector head to downspouts and accessories.
   c. Seal all metal joints watertight for full metal surface contact.
   d. Collector Head: SMACNA style profile; submit detail for approval.
   e. Downspouts: Rectangular profile. Seal all joints, six inches by six inches (6" x 6").
   f. Support Brackets, Joint Fasteners: Profiled to suit gutters and downspouts.
   g. Anchorage Devices: SMACNA requirements. Type recommended by fabricator.
   h. Collector Head Support: Kynar. Color and Finish to match, as recommended by SMACNA.
   i. Downspout Supports: Straps, Kynar. Color and Finish to match.
   j. Color as selected from manufacturer's full range of colors including metallics.

I. **Pitch Pans:**

1. Install pitch pans of 24-gauge, G-90 galvanized steel with a 25 Mil Elvaloy® Kee membrane lamination according to NRCA standards, minimum of six inches by six inches (6" x 6").
2. Pitch pans shall be fabricated to a minimum of six inches (6") above the finished roof membrane. The top vertical edge of the thermoplastic clad metal must be folded over to conceal the uncoated side of the metal inside the pitch pan. The pitch pan flange must be a minimum of three and one half inches (3.5”) wide in contact with the horizontal roof plain or field of roof membrane. LIMIT ONE PIPE/CONDUIT PENETRATION PER PITCH PAN. FOR MULTIPLE PIPES/CONDUITS REFER TO PIPE BOX DETAIL.
3. Approved caulking or water block shall be applied under the pitch pan flange prior to securing the flange to the deck with approved fasteners a minimum of 4” on center.
4. All projections enclosed in pitch pans shall be cleaned in any manner suitable and coated with a rust inhibitive coating as approved by the Owner/Project Consultant. Coating shall be allowed to dry prior to pitch pan fill.
5. Pitch pans shall be filled with granules to proper height. DO NOT USE GROUT OR CEMENTITIOUS PRODUCTS.
6. Top finish fill shall be self-leveling, one-part urethane, completely fill to top of pitch pan sides.

7. Strip the thermoplastic clad metal flange of the pitch pan to the field membrane with one strip of flashing membrane. The flashing membrane must extend from the outer edge of the pitch pan flange onto the field membrane a minimum of three inches (3") and butt to the vertical sides of the pitch pan on all 4 sides. The flashing membrane shall be hot air welded to the thermoplastic clad metal pitch pan and to the field membrane. Hot air welds shall be a minimum of two inches (2") wide.
8. Install preformed outside corners by hot air welding in place at all four (4) corners of the pitch pan.
9. Apply seam sealer to the edges of the flashing membrane.

J. **Bonnets/Hoods:**
1. Fabricate and install above all pitch pans, where necessary, or reinstall as applicable, metal bonnets over all pitch pans, NO EXCEPTIONS.
2. Bonnets/Hoods shall be manufactured with metal compatible with metal to which bonnet is to be attached.
3. On beams and other steel, weld in place bonnets fabricated from one-fourth inch (1/4") steel plate.
4. Draw band bonnets fabricated from 22-gauge galvanized steel may be used on circular projections.

4.05 FINISH

A. Backpaint concealed metal surfaces with bituminous paint where expected to be in contact with cementitious materials or dissimilar metals. Exposed surfaces to be provided with a factory applied fluorocarbon Kynar finish meeting ASTM A 446 and AAMA specification 605.2 for high performance coating.

B. New 24-gauge hot-dipped galvanized metal shall be painted on all locations visible from the ground with an industrial grade paint to match existing, or standard color selected by Owner/Project Consultant. Galvanized metal surface must be properly prepared by removing all oil, grease, and/or protective mill coatings by solvent cleaning surface in accordance with SSPC-SP1, and according to paint manufacturer's recommendation, to ensure proper adhesion of paint to metal.

END OF SECTION

SECTION 07 65 10

AIR BARRIER FLEXIBLE FLASHING DRAINAGE PLANE SYSTEM

PART 1 - GENERAL

1.01 SUMMARY

A. Section includes combination flashing, mortar deflection, and weep as complete one step system. Using this system deletes requirement for mortar deflection devices.

B. Related sections:
   1. 04 05 23 Masonry Accessories.
   2. 04 22 23 Architectural Concrete Unit Masonry

C. Alternates: This Section replaces the multiple component technology and multiple trade involvement of older technologies; providing a single source/single trade engineered & warranted system.

1.02 REFERENCES

A. Standards of the following as referenced:
   1. ASTM.
   2. Brick Industry Association (BIA).

B. Industry standards:
   1. BIA Technical Notes on Brick Construction No. 7, Water Penetration Resistance- Design and Detailing, August 2005.
   2. BIA Technical Notes on Brick Construction No. 28B, Brick Veneer/Steel Stud Walls, August 2005.

1.03 DEFINITIONS

A. Terms:
   1. Cavity wall flashing: Same as flexible flashing.
   2. Foundation sill flashing: Same as flexible flashing.
   3. Flexible flashing: Water-proof material typically used in cavity wall construction to contain and assist in the proper water drainage that may penetrate wall system veneer. Other materials may be required to constitute the system.
   4. Head and sill flashing: Same as flexible flashing.
   5. Through-wall flashing:
      a. Generally considered the same as flexible flashing.
      b. Rare definition referred to full width cap flashing under copings or wall caps.

1.04 SUBMITTALS

A. Product data: Indicate material type, composition, thickness, and installation procedures.

B. Samples: 3" by 5" flashing material.

C. Product Quality & Environmental submittals:
   1. Certificates:
      a. Indicate materials supplied or installed are asbestos free.
      b. Indicate recycled content: a minimum of 60% total recycled material; based on 60% Post Industrial Recycled Content.
   2. Critical Performance Attributes:
      a. Tensile Strength, stainless steel 100,000 psi average, copper 32,000 psi average
      b. Puncture Resistant, >stainless steel 2,500 psi average, copper 450 psi average
      c. When tested as manufactured, product resists growth of mold pursuant to test method ASTM D 3273.
      d. Fire Rating: flame spread and smoke generation
         1) Rated Class A, ASTM E84

1.05 QUALITY ASSURANCE

A. Qualifications:

1. Manufacturer: Provide flashing materials by single manufacturer with not less than twenty five years of experience in manufacturing flexible flashing products.
2. Flashing materials must be able to withstand 400 º F temperatures without changing the long term performance of the flashing if product is used with spray polyurethane foam.

1.06 WARRANTY

A. Special warranty:
   1. Manufacturer: Warrant flexible flashing/drainage system material for life of the wall.
   2. Begin warranty at Date of Substantial Completion.

PART 2 - PRODUCTS

1.01 MANUFACTURED UNITS

A. Metal core flexible flashing with drainage fabric:
   1. Product standard of quality: York Manufacturing, Inc.; York Flash-Vent SS,
   2. 2. Accepted products:
      a. York Manufacturing, Inc.; York Flash-Vent SS, www.yorkmfg.com
      b. STS Coatings, Inc.; Wall Guardian TWF Stainless Steel www.stscoatings.com
      c. York Manufacturing, Inc.; York Flash Vent Copper AB http://www.yorkmfg.com
      d. STS Coatings, Inc.; Wall Guardian TWF copper http://www.stscoatings.com
      e. Other flashings that meet the requirements in section 1.04.C
   3. Characteristics:
      a. Type: Engineered system, with high resistant to damage, composite with a stainless steel or copper core with non-asphalt adhesive polymer fabric laminated to one stainless steel or copper face and non-woven drainage fabric laminated to opposing face with non-asphalt adhesive.
      b. Stainless steel: ASTM A167
      c. Copper sheet: ASTM B370-11
      d. Fabrics:
         1) Polymer fabric; laminated back face to metal core
         2) Non-woven drainage fabric: Fabric laminated to front face metal core.
      e. Recycled content: copper is 90% recycled, stainless steel is 60% recycled
      f. Size: Manufacturer's standard width rolls.
      g. Polyether sealant: Product standard of Quality is York Manufacturing's UniverSeal US-100
         1) Acceptable products:
            (a) STS Coatings; GreatSeal LT-100
            (b) York Manufacturing; UniverSeal US-100
      h. Corner and splice material: York Multi-Flash pre-manufactured corners and end dams. Splice material Multi-Flash or York Copper Splice & Flash Tape.

PART 3 - EXECUTION

2.01 INSTALLATION

A. General:
   1. Install where indicated, specified, or required in accord with flashing manufacturer's written instructions and as follows.
      a. Prohibited practice: Tucking the flashing into the backer wall.
      b. Prohibited practice: Bonding or splicing to non-woven drainage fabric.
   2. Extend flashing 6" minimum, beyond opening, each side without stretching flashing material. Fold flashing ends at end of openings or horizontal flashing terminations to form end dam or use preformed end dams from manufacturer.
   3. Flashing width: Width required starting flush with outside face of exterior wythe, extending through cavity, rising height required to extend above lintel steel at least 2".
   4. Splice end joints by butting ends together over 12" wide piece of Multi-Flash copper flashing and sealing lap joint with UniverSeal US-100 polyether sealant or by using a 6" wide piece of Copper Splice & Flash Tape and butting flashing over the top of the tape and then sealing butt joint with polyether sealant.
   5. Stud back up with sheathing:

a. Surface mount flashing after certified compatible damp proofing installation specified in Damp Proofing Section in accord with manufacturer's installation instructions
b. Apply flashing with drainage surface to the outside.
c. Fasten to stud back-up surface at top by embedding in layer of UniverSeal US-100 polyether sealant and use a termination bar, like the T96 by York, to fasten to the backer wall and seal the top of the termination bar with UniverSeal US-100.

6. Confirm compatibility with manufacturer's mutual letters for all lapping components, Air barrier installation lapping over flashing top in the Air Barrier Section.
7. Lay flashing in continuous bead of UniverSeal US-100 polyether sealant on masonry supporting steel.
8. Fold ends of flashing at end of opening to form dam; seal with UniverSeal US-100 polyether sealant or purchase preformed end dams from manufacturer.
9. Inside corners: Make in manufacturers accepted manner using corner and splice material or purchase preformed corners from manufacturer.
10. Outside corners: Make in manufacturers accepted manner using corner and splice material or purchase preformed corners from manufacturer.
11. Do not coat the entire drainage fabric with air barrier. Leave the drainage fabric exposed at least an inch over the top of the mortar droppings.
12. 13. Cover flashing within a few days of installation to protect it from damage from the different trades, the environment and falling debris. If flashing is left unprotected and it is punctured, torn, or has loose scrim you should contact the manufacturer for repair instructions.

2.02 SCHEDULES

A. Locations:
1. Exterior door heads.
2. Window heads and sills.
3. Storefront heads.
4. Horizontal control joints.
5. Changes in veneer materials, vertically.
6. Other wall openings.
7. Other locations indicated.

END OF SECTION

SECTION 07 65 26
FLEXIBLE FLASHING SYSTEM

PART 1 GENERAL

1.01 GENERAL

A. Contractor shall review American Concrete Institute 530.1 mandatory specification checklist for additional requirements necessary for specific project.

B. Flashing system shall be provided and installed by a qualified waterproofing contractor.

C. Contractor shall provide a photo manifest of through-wall installation, including all starts, stops, and transitions in plane.

D. It is the intent of this specification that the new work will provide a watertight facility (restricted to the location where work is to be performed). The attached specifications describe the minimum acceptable standards of construction and finish.

E. Contractor shall water test all through-wall flashings once veneer is twelve inches (12”) above installed flashing. Coordinate test with Architect.

1.02 QUALITY ASSURANCE

A. At a scheduled pre-construction meeting with all trades, contractor shall review flashing for the project and how the flashing shall be sequenced with the following: below grade waterproofing, air and vapor system, window installation, sealant installation, relief angles and roofing.

1.03 SUBMITTALS

A. Shop Drawings: Contractor shall provide from the manufacturer a review of the flashing design for the project and location of preformed shapes on reduced floor plan.

1.04 DELIVERY, STORAGE, AND HANDLING

A. Deliver materials in manufacturer's original, unopened containers and rolls with all labels intact and legible including labels indicating appropriate warnings, storage conditions, lot numbers, and usage instructions. Materials damaged in shipping or storage shall not be used.

B. Manufacturer's packaging and/or roll plastic is not acceptable for exterior storage. Tarpaulin with grommets shall be minimum acceptable for exterior coverings. All materials stored as above shall be a minimum of four inches (4") off the substrate, and the tarpaulin tied off with rope.

C. Deliver materials in sufficient quantity to allow continuity of work.

D. Handle and store material in such a manner as to avoid damage.

E. Protect materials against damage by construction traffic.

F. Storage: All materials should be stored under cover to avoid site damage. During cool weather construction, store materials inside at 50º F or higher.

G. The proper storage of materials is the sole responsibility of the contractor and damaged materials shall be discarded, removed from the project site, and replaced prior to application.

1.05 SITE CONDITIONS

A. Job Condition Requirements: Coordinate the work of the contractor with the work to be performed by the Owner's personnel, to ensure proper sequencing of the entire work. The contractor shall follow local, state, and federal regulations, safety standards, and codes. When a conflict exists, use the stricter document.

B. Protection of Work and Property:

1. Work: The contractor shall maintain adequate protection of all his work from damage and shall protect the Owner's and adjacent property from injury or loss arising from this contract. He shall provide and maintain at all times any OSHA required danger signs, guards, and/or obstructions necessary to protect the public and his workmen from any dangers inherent with or created by the work in progress. All federal, state, and city rules and requirements pertaining to safety and all EPA standards, OSHA standards, NESHAP regulations shall be fulfilled by the contractor as part of his proposal.

2. Property: Protect existing planting and landscaping as necessary or required to provide and maintain clearance and access to the work of this contract. Examples of two categories or degrees of protection are generally as follows: a) removal, protection, preservation, or replacement and replanting of plant materials; b) protection of plant materials in place, and replacement of any damage resulting from the contractor's operations.

C. Damage to Work of Others: The contractor shall repair, refinish, and make good any damage to the building or landscaping resulting from any of his operation. This shall include, but is not limited to, any damage to plaster, tile work, wall covering, paint, ceilings, floors, or any other finished work. Damage done to the building, equipment, or grounds shall be repaired at the successful contractor's expense holding the Owner harmless from any other claims for property damage and/or personal injury.

D. Measurements: It will be the contractor's responsibility to obtain and/or verify any necessary dimensions by visiting the job site, and the contractor shall be responsible for the correctness of same. Any drawings supplied are for reference only.

E. Cleaning and Disposal of Materials:
1. Contractor shall keep the job clean and free from all loose materials and foreign matter. Contractor shall take necessary precautions to keep outside walls clean.
2. All waste materials, rubbish, etc., shall be removed from the Owner's premises as accumulated. Rubbish shall be carefully handled to reduce the spread of dust. At completion, all work areas shall be left clean and all contractor's equipment and materials removed from the site.
3. Debris shall be deposited at an approved disposal site.
4. WARRANTY

F. Flashing Manufacturer: Project shall be installed in such a manner that the flashing material manufacturer will furnish a written ten (10) year materials warranty from the date of substantial completion of the completed project.

PART 2 PRODUCTS

2.01 BUILT-IN FLASHING MEMBRANE (ELVALOY® SHEET)

A. The built-in flashing membrane shall be 40 mil flexible sheet material, consisting of a blend of elastomeric and thermal plastic polymers, incorporating DuPontä Elvaloy®. The membrane shall be reinforced with synthetic fibers, calendered into sheet form, rolled and cut to width.

B. Cloaks shall be pre-formed, three dimensional flexible units used for detail corners, level changes, stop ends, and special applications.
1. Physical Properties:
Elongation 175% ASTM D412
Tensile Strength 650 psi ASTM D412
Tear Strength 280 psi ASTM D624
Low Temperature Flexibility -25º F Pass ASTM D146
Water Absorption Less than 0.1% ASTM D471

C. Cloak color shall be as selected by Architect and/or shall match mortar color. Reference manufacturer's list of colors for selection.

2.02 RELATED MATERIALS FOR BUILT-IN FLASHING MEMBRANE

A. Flashing Membrane Adhesive: Flashing adhesive exceeds the requirements of TTS00230C Type II, Class B, ASTM C 92094 and Canadian Spec CAN 19, 13M82. The product is terra cotta (dull red) in color.
1. Physical Properties:
Hardness: Shore A 24 ± 3 ASTM C 661
Shear Strength: 75 psi ASTM D 1002
Tack Free Time: 25 minutes ASTM C 679
Slump: (sag) Zero slump ASTM C 697
Shrinkage: No measurable shrinkage after 14 days
Low Temperature Flexibility: -20° F pass 1/4 inch mandrel
Service Temperature: -40° F to 200° F continuous service

Shelf Life: One year

2.03 SURFACE-ADHERED WITH DRIP FLASHING MEMBRANE (ELVALOY® SHEET)

A. Surface-adhered with drip membrane shall be a composite 40 mil membrane consisting of 25 mils of elastomeric/thermal plastic membrane incorporating DuPontä Elvaloy® and 15 mils of SBS asphaltic adhesive. The membrane shall be reinforced with synthetic fibers, calendered into sheet form, rolled and cut to standard widths.

B. Standard Sheet Dimensions: Thickness 40 mil
   1. Roll length: 75 ft
   2. Roll widths: 12, 18, 24, 36 in

C. Cloaks shall be pre-formed, three dimensional flexible units used for detail corners, level changes, stop ends, and special applications.
   1. Physical Properties:
      Elongation: 225% ASTM D412
      Tensile Strength: 875 psi ASTM D412
      Tear Strength: 270 psi ASTM D624
      Low Temperature Flexibility: -25º F Pass ASTM D146
      Water Absorption: Less than 0.1% ASTM D471

2.04 RELATED MATERIALS FOR SURFACE ADHERED FLASHING MEMBRANE

A. Asphalt Primer: Shall be a two-sided, self-adhering tape used to seal the top of cloaks against the back-up wythe. Adhesive may be used as an alternative.

B. Substrate Primer:
   1. Physical Properties:
      Solids by Weight: 68%
      Viscosity: 758 cps
      Weight per Gallon: 9.3 lbs.
      Elongation: >656% no Breakage, Exceeded Travel of Instron ASTM D 2370
      Tensile Strength: 85.1 psi ASTM D 2370
      10
      Hardness: Shore A 59
      Peel Strength: Aluminum No Fail at 4.60 pli
      Concrete No Fail at 3.86 pli

C. Mastic: Shall be used at all laps and joints, and top terminations.

2.05 WALL DRAINAGE SYSTEM

A. Collection device shall be a dovetail shaped material to place in the cavity of brick masonry walls for collecting mortar droppings above the level of the weep holes and flashing. The 90% open weave construction material shall be High Density Polyethylene (HDPE) mesh for thickness of 0.4 - 1.0 inch, or recycled polyester mesh for 2.0 inch thickness.

B. Material shall not oxidize, rot, promote mold or fungus, or react with other common building materials such as mortar, cement, asphalt, modified bitumen, PVC, copper, or galvanized metal; shall be Mortar Net, or approved equal.

PART 3 EXECUTION

3.01 EXAMINATION

A. Examine conditions for compliance with requirements for installation tolerances and other specific conditions.

3.02 GENERAL

A. Laying Masonry Walls: Use an inverted lintel CMU or fully grouted hollow CMU as a base for flashing at sills, floor joints, and other similar conditions.

B. Preparation: All sharp protrusions and mortar droppings must be removed from the substrate, and the surface must be clean and dry.

C. Where brick work occurs about the roof elevation, provide solid protection of the existing roof system until work is complete.

D. Flashing shall be fully supported when crossing the cavity except at sill and coping locations.

3.03 INSTALLATION OF BUILT-IN FLASHING MEMBRANE (ELVALOY® SHEET)

A. Flashing membrane and cloaks shall be installed in a bed of fresh mortar and should extend through the outer wythe a minimum of one-fourth inch (1/4") and left exposed. Flashing membrane is UV resistant.

B. Weep holes shall be provided immediately above all flashing at 24-inch centers. A minimum of two weeps shall be installed above any wall opening.

C. All joints in the flashing membrane shall be lapped a minimum of four inches (4") using flashing membrane adhesive.

D. Flashing membrane shall be installed six inches (6") above finished grade level.

E. Cloaks and end dams shall be installed at all window and door heads and sills.

F. Vertical flashing at wall openings shall extend into the wall opening one inch (1"). The door/window frame shall be installed with the flashing extending into the frame.

G. Cleaning: Flashing membrane shall not be damaged by cavity cleaning after installation. Precautions to be taken during subsequent work are:
   1. Use of cavity battens to prevent mortar droppings;
   2. Removal of droppings before they harden;
   3. Never use implements such as steel rods for cleaning the cavity; and
   4. Inspection of cavity flashing for damage as the work proceeds.

3.04 INSTALLATION OF SURFACE-ADHERED FLASHING WITH DRIP MEMBRANE(ELVALOY® SHEET)

A. Priming: All flashing substrates shall be primed. Flashing primer shall be applied with a brush, roller or sprayed. Coverage is approximately 400 square feet per U.S. gallon (3.78L). Drying time may vary depending on temperature, humidity, and air movement; drying time should be approximately 45 minutes.

B. Flashing System Installation: Starting at a corner, mount cloak to substrate flashing adhesive. Cut surface adhered membrane into workable sections (8'-10'). Remove the release sheet and adhere the membrane to the inner leaf of construction lapping the membrane onto the cloak four inches (4"). Use firm hand pressure and a steel roller to totally adhere membrane in place. Extend membrane completely through the outer leaf and leave it exposed one-fourth inch (1/4") minimum. The surface-adhered membrane is UV resistant. Apply a bead of flashing mastic to all top termination edges.

C. Termination Bar: The surface-adhered membrane shall be installed using a termination bar for additional attachment to the inner leaf (optional).

D. Weep holes shall be provided immediately above all flashing at 24-inch centers. A minimum of two baffle weeps shall be installed above any wall opening.

E. Flashing membrane shall be installed six inches (6") above finished grade level.

F. Stop end cloaks shall be installed at all windows, door heads, sills, and through-wall starts, stops, steps, etc.

G. Enveloped vertical flashing at wall openings shall extend into the wall opening one inch (1"). The door/window frame shall be installed with the flashing extending into the frame. Enveloped vertical flashing shall be installed at all abutments of dissimilar exterior wall treatments: inside and outside nineties (90°), etc.

H. Cleaning: Flashing membrane shall not be damaged by cavity cleaning after installation. Precautions to be taken during subsequent work are:
   1. Use of cavity battens to prevent mortar droppings;
   2. Removal of droppings before they harden;
   3. Never use implements such as steel rods for cleaning the cavity; and
   4. Inspection of cavity flashing for damage as the work proceeds.

3.05 INSTALLATION OF WALL DRAINAGE SYSTEM

A. Collection device shall be placed vertically on top of the flashing inside the wall cavity where it shall catch and permanently suspend mortar droppings above the level of the weep holes and flashing. The dovetail shape shall prevent mortar droppings from forming a continuous dam and shall allow water and air to rapidly and easily move through the material to the weeps.

3.06 FLASHING MEMBRANE ADHESIVE

A. Application:
   1. Flashing adhesive shall be applied to clean, dry and relatively smooth surfaces.
   2. When joint two (2) pieces of flashing membrane, or joining flashing membrane to Cloaks:
      a. Apply two (2) one-fourth inch (1/4") beads of adhesive approximately one-half inch (1/2") and one and one-half inch (1-1/2"), respectively, from the edge of the bottom membrane along the entire width of the bottom membrane. Overlap the top membrane over the bottom membrane two inches (2") and roll lap with steel hand roller, causing excess to extrude the entire length of the overlap.
      b. Do not remove excess adhesive.

B. Safety, Storage and Handling: Keep container tightly closed when not in use. Store at room temperature. Clean up tools and hands with waterless hand cleaner.

3.07 SUBSTRATE PRIMER

A. Surface Preparation: Areas to be primed should be dry.

B. Application: Substrate primer may be applied using a soft roller or brush. It can be removed from masonry with soapy water while wet and a solvent-based cleaner if dry (mineral spirits or citrus cleaner).

C. Coverage: Depending on the condition of the surface, coverage may vary from as little as 150 square feet to 200 square feet per gallon.

D. Caution:
   1. Substrate primer should not be applied when temperatures are below 40° F or when rain is imminent.
      a. Keep substrate primer from freezing.
      b. During hot weather, the product should be stored in a cool shaded area.
      c. Do not thin this product.
      d. Curing rates will vary depending on the ambient temperature relative humidity, wind speed, sky condition and the proper rate of application. Generally speaking, Substrate primer will dry within 15 to 30 minutes when applied at 70° F or above. At 50° F, on a cloudy day, cure time may be extended to as much as one hour.
      e. Check several places on primed area for dryness prior to proceeding with the flashing application.

END OF SECTION

SECTION 07 84 00
FIRESTOPPING

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Firestopping systems.

B. Firestopping of all joints and penetrations in fire-resistance rated and smoke-resistant assemblies, whether indicated on drawings or not, and other openings indicated.

1.02 RELATED REQUIREMENTS

A. Section 01 70 00 - Execution and Closeout Requirements: Cutting and patching.

1.03 REFERENCE STANDARDS

A. ASTM E119 - Standard Test Methods for Fire Tests of Building Construction and Materials; 2012.

B. ASTM E814 - Standard Test Method for Fire Tests of Through-Penetration Fire Stops; 2011a.

C. ITS (DIR) - Directory of Listed Products; Intertek Testing Services NA, Inc.; current edition.

D. FM P7825 - Approval Guide; Factory Mutual Research Corporation; current edition.

E. SCAQMD 1168 - South Coast Air Quality Management District Rule No.1168; current edition; www.aqmd.gov.

F. UL (FRD) - Fire Resistance Directory; Underwriters Laboratories Inc.; current edition.

1.04 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

B. Schedule of Firestopping: List each type of penetration.

C. Product Data: Provide data on product characteristics.

D. Manufacturer's Installation Instructions: Indicate preparation and installation instructions.

E. Manufacturer's Certificate: Certify that products meet or exceed specified requirements.

1.05 QUALITY ASSURANCE

A. Fire Testing: Provide firestopping assemblies of designs that provide the scheduled fire ratings when tested in accordance with methods indicated.
   1. Listing in the current-year classification or certification books of UL, FM, or ITS (Warnock Hersey) will be considered as constituting an acceptable test report.

B. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years documented experience.

C. Installer Qualifications: Company specializing in performing the work of this section and:
   1. With minimum 3 years documented experience installing work of this type.

1.06 MOCK-UP

A. Install one firestopping assembly representative of each fire rating design required on project.
   1. Where one design may be used for different penetrating items or in different wall constructions, install one assembly for each different combination.
   2. Where firestopping is intended to fill a linear opening, install minimum of 1 linear ft.

B. If accepted, mock-up will represent minimum standard for the Work.

C. If accepted, mock-up may remain as part of the Work. Remove and replace mock-ups not accepted.

1.07 FIELD CONDITIONS

A. Comply with firestopping manufacturer's recommendations for temperature and conditions during and after installation. Maintain minimum temperature before, during, and for 3 days after installation of materials.

B. Provide ventilation in areas where solvent-cured materials are being installed.

PART 2 PRODUCTS

2.01 FIRESTOPPING - GENERAL REQUIREMENTS

A. Firestopping Materials with Volatile Content: Provide only products having lower volatile organic compound (VOC) content than required by South Coast Air Quality Management District Rule No.1168.

B. Primers, Sleeves, Forms, Insulation, Packing, Stuffing, and Accessories: Type required for tested assembly design.

2.02 FIRESTOPPING SYSTEMS

A. Firestopping: Any material meeting requirements.
   1. Fire Ratings: See Drawings for required systems and ratings.

2.03 MATERIALS

A. Firestopping Sealants: Provide only products having lower volatile organic compound (VOC) content than required by South Coast Air Quality Management District Rule No.1168.

B. Elastomeric Silicone Firestopping: Single component silicone elastomeric compound and compatible silicone sealant; conforming to the following:
   1. Durability and Longevity: Permanent.
   2. Color: Red.
   3. Manufacturers:
      a. A/DFire Protection Systems Inc: www.adfire.com.
      b. 3M Fire Protection Products: www.3m.com/firestop.
      c. Hilti, Inc: www.us.hilti.com.
      d. Specified Technologies, Inc: www.stifirestop.com.
      e. Substitutions: See Section 01 60 00 - Product Requirements.

C. Foam Firestoppping: Single component silicone foam compound; conforming to the following:
   1. Durability and Longevity: Permanent.
   2. Manufacturers:
      a. 3M Fire Protection Products: www.3m.com/firestop.
      b. Hilti, Inc: www.us.hilti.com.
      c. Specified Technologies, Inc: www.stifirestop.com.
      d. Substitutions: See Section 01 60 00 - Product Requirements.

D. Fibered Compound Firestopping: Formulated compound mixed with incombustible non-asbestos fibers; conforming to the following:
   1. Durability and Longevity: Permanent.
   2. Manufacturers:
      a. A/DFire Protection Systems Inc: www.adfire.com.
      b. USG: www.usg.com.
      c. Substitutions: See Section 01 60 00 - Product Requirements.

E. Fiber Firestopping: Mineral fiber insulation used in conjunction with elastomeric surface sealer forming airtight bond to opening; conforming to the following:
   1. Durability and Longevity: Permanent.
   2. Manufacturers:
      a. A/DFire Protection Systems Inc: www.adfire.com.
      b. Pecora Corporation: www.pecora.com.
      c. Thermafiber, Inc: www.thermafiber.com.
      d. Substitutions: See Section 01 60 00 - Product Requirements.

F. Firestop Devices - Wrap Type: Mechanical device with incombustible filler and sheet stainless steel jacket, intended to be installed after penetrating item has been installed; conforming to the following:
   1. Durability and Longevity: Permanent; suitable for pedestrian traffic.
   2. Manufacturers:
      a. RectorSeal: www.rectorseal.com.

b. 3M Fire Protection Products: www.3m.com/firestop.
c. Hilti, Inc: www.us.hilti.com.
d. Specified Technologies, Inc: www.stifirestop.com.
e. Substitutions: See Section 01 60 00 - Product Requirements.

G. Firestop Devices - Cast-In Type: Sleeve and sealing material, intended to be cast in concrete floor forms or in concrete on metal deck, not requiring any additional materials to achieve penetration seal.
1. Durability and Longevity: Permanent.
2. Manufacturers:
a. 3M Fire Protection Products: www.3m.com/firestop.
b. Hilti, Inc: www.us.hilti.com.
c. Substitutions: See Section 01 60 00 - Product Requirements.

H. Intumescent Putty: Compound that expands on exposure to surface heat gain; conforming to the following:
1. Durability and Longevity: Permanent.
2. Color: Red.
3. Manufacturers:
a. RectorSeal: www.rectorseal.com.
b. 3M Fire Protection Products: www.3m.com/firestop.
c. Hilti, Inc: www.us.hilti.com.
d. Specified Technologies, Inc: www.stifirestop.com.
e. Substitutions: See Section 01 60 00 - Product Requirements.

I. Primers, Sleeves, Forms, Insulation, Packing, Stuffing, and Accessories: Type required for tested assembly design.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify openings are ready to receive the work of this section.

3.02 PREPARATION

A. Clean substrate surfaces of dirt, dust, grease, oil, loose material, or other matter that could adversely affect bond of firestopping material.

B. Remove incompatible materials that could adversely affect bond.

C. Install backing materials to arrest liquid material leakage.

3.03 INSTALLATION

A. Install materials in manner described in fire test report and in accordance with manufacturer's instructions, completely closing openings.

B. Do not cover installed firestopping until inspected by authority having jurisdiction.

C. Install labeling required by code.

3.04 CLEANING

A. Clean adjacent surfaces of firestopping materials.

3.05 PROTECTION

A. Protect adjacent surfaces from damage by material installation.

END OF SECTION

SECTION 07 90 05
JOINT SEALERS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Sealants and joint backing.

1.02 RELATED REQUIREMENTS

A. Section 09 21 16 - Gypsum Board Assemblies: Acoustic sealant.

1.03 REFERENCE STANDARDS

A. ASTM C834 - Standard Specification for Latex Sealants; 2010.

B. ASTM C920 - Standard Specification for Elastomeric Joint Sealants; 2011.

C. ASTM C1193 - Standard Guide for Use of Joint Sealants; 2011a.

D. SCAQMD 1168 - South Coast Air Quality Management District Rule No.1168; current edition; www.aqmd.gov.

1.04 ADMINISTRATIVE REQUIREMENTS

A. Coordinate the work with other sections referencing this section.

1.05 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

B. Product Data: Provide data indicating sealant chemical characteristics.

C. Manufacturer's Installation Instructions: Indicate special procedures.

1.06 QUALITY ASSURANCE

A. Maintain one copy of each referenced document covering installation requirements on site.

B. Manufacturer Qualifications: Company specializing in manufacturing the Products specified in this section with minimum three years documented experience.

C. Applicator Qualifications: Company specializing in performing the work of this section with minimum five years experience.

1.07 MOCK-UP

A. Provide mock-up of sealant joints in conjunction with window under provisions of Section 01 40 00.

B. Construct mock-up with specified sealant types and with other components noted.

C. Locate where directed.

D. Mock-up may remain as part of the Work.

1.08 FIELD CONDITIONS

A. Maintain temperature and humidity recommended by the sealant manufacturer during and after installation.

1.09 WARRANTY

A. See Section 01 78 00 - Closeout Submittals, for additional warranty requirements.

B. Correct defective work within a five year period after Date of Substantial Completion.

C. Warranty: Include coverage for installed sealants and accessories which fail to achieve airtight seal, exhibit loss of adhesion or cohesion, or do not cure.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Gunnable and Pourable Sealants:
   1. BASF Construction Chemicals-Building Systems: www.buildingsystems.basf.com.
   2. Dow Corning Corporation: www.dowcorning.com.

3. Pecora Corporation: www.pecora.com.
4. Substitutions: See Section 01 60 00 - Product Requirements.

2.02 SEALANTS

A. Sealants and Primers - General: Provide only products having lower volatile organic compound (VOC) content than required by South Coast Air Quality Management District Rule No.1168.

B. General Purpose Exterior Sealant: Polyurethane; ASTM C920, Grade NS, Class 25, Uses M, G, and A; single component.
   1. Color: To be selected by ERO Architects from manufacturer's full range.
   2. Applications: Use for:
      a. Control, expansion, and soft joints in masonry.
      b. Joints between concrete and other materials.
      c. Joints between metal frames and other materials.
      d. Other exterior joints for which no other sealant is indicated.
   3. Polyurethane Products:
      a. Pecora Corporation; DynaTrol I-XL General Purpose One Part Polyurethane Sealant: www.pecora.com.
      b. BASF Construction Chemicals-Building Systems; ____: www.buildingsystems.basf.com.
      c. Substitutions: See Section 01 60 00 - Product Requirements.

C. General Purpose Interior Sealant: Acrylic emulsion latex; ASTM C834, Type OP, Grade NF single component, paintable.
   1. Color: To be selected by ERO Architects from manufacturer's standard range.
   2. Applications: Use for:
      a. Interior wall and ceiling control joints.
      b. Joints between door and window frames and wall surfaces.
      c. Other interior joints for which no other type of sealant is indicated.
   3. Products:
      a. Pecora Corporation; AC-20 + Silicone Acrylic Latex Caulking Compound: www.pecora.com.
      b. BASF Construction Chemicals-Building Systems: www.buildingsystems.basf.com.
      c. Substitutions: See Section 01 60 00 - Product Requirements.

END OF SECTION

SECTION 07 91 23
BACKER RODS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Application of closed-cell foam backer rod.

1.02 RELATED SECTIONS

A. Specifier Notes: Edit the list of related sections as required for the project. List other sections dealing with work directly related to this section.
   1. Section 04 20 00 - Unit Masonry.
   2. Section 07 92 03 - Silicone Joint Sealant.

1.03 REFERENCES

A. ASTM C 1330 - Standard Specification for Cylindrical Sealant Backing for Use with Cold Liquid Applied Sealants.

1.04 SUBMITTALS

A. Comply with Section 01 33 00 - Submittal Procedures.

B. Submit manufacturer's product data and application instructions.

1.05 DELIVERY, STORAGE, AND HANDLING

A. Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.

B. Store materials in a clean, dry area in accordance with manufacturer's instructions.

C. Protect materials during handling and application to prevent damage.

PART 2 PRODUCTS

2.01 MANUFACTURER

A. W. R. MEADOWS, INC., PO Box 338, Hampshire, Illinois 60140-0338. (800) 342-5976. (847) 683-4500. Fax (847) 683-4544. Web Site www.wrmeadows.com.

B. Hohmann & Barnard, Inc., 30 Rasons Court, Hauppauge, New York 11788. (800) 645-0616, Fax: (631) 234-0683. Web: www.h-b.com Email: weanchor@h-b.com.

2.02 MATERIALS

A. Performance Based Specification: backer rod joint filler shall be flexible, lightweight, non-staining, polyethylene, and closed cell. It shall be a chemical-resistant, ultraviolet stable, non-absorbent, low density, compressible foam.

B. Proprietary Based Specification: KOOL-ROD Backer Rod by W. R. MEADOWS.

C. Closed-Cell Neoprene Sponge Model #NSTA 3/8" Thickness. (ASTM D-1056 Grade 2A1) by Hohmann & Barnard, Inc..

PART 3 EXECUTION

3.01 EXAMINATION

A. Examine areas to receive backer rod. Notify architect if areas are not acceptable. Do not begin application until unacceptable conditions have been corrected.

3.02 APPLICATION

A. Install backer rod in accordance with manufacturer's instructions.

B. Ensure joint or opening is clean, dry and free of obstructions.

C. Select the proper backer rod diameter and cut to length or use directly from the spool.

D. Uniformly install backer rod with a blunt instrument or roller at a level recommended by the sealant manufacturer, specifier or architect.

E. Seal the concrete with joint sealant.

3.03 PROTECTION

A. Protect pavement joint sealant from traffic until fully cured.

END OF SECTION

SECTION 07 92 05
JOINT SEALANTS

PART 1 GENERAL

1.01 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.02 SUMMARY

A. This Section includes joint sealants for the applications indicated in the Joint-Sealant Schedule at the end of Part 3.
   1. Exterior joints in the following vertical surfaces and horizontal nontraffic surfaces:
      a. Control and expansion joints in unit masonry.
      b. Joints in dimension stone cladding.
      c. Joints in glass unit masonry assemblies.
      d. Joints in exterior portland cement stucco
      e. Joints between metal panels.
      f. Joints between different materials listed above.
      g. Perimeter joints between materials listed above and frames of doors, windows and louvers.
      h. Control joints in ceilings and other overhead surfaces.
      i. Other joints as indicated.
   2. Exterior joints in the following horizontal traffic surfaces:
      a. Isolation and contraction joints in cast-in-place concrete slabs.
      b. Joints between different materials listed above.
      c. Other joints as indicated.
   3. Interior joints in the following vertical surfaces and horizontal nontraffic surfaces:
      a. Control joints on exposed interior surfaces of exterior walls.
      b. Perimeter joints of exterior openings where indicated.
      c. Vertical joints on exposed surfaces of interior unit masonry walls and partitions.
      d. Perimeter joints between interior wall surfaces and frames of interior doors, windows and elevator entrances.
      e. Joints between plumbing fixtures and adjoining walls, floors, and counters.
      f. Other joints as indicated.
   4. Interior joints in the following horizontal traffic surfaces:
      a. Isolation joints in cast-in-place concrete slabs.
      b. Control joints in tile flooring.
      c. Other joints as indicated.

B. Related Sections include the following:
   1. Section 04 20 00 - Unit Masonry: for masonry control and expansion joint fillers and gaskets.
   2. Section 07 84 43 - Fire-Resistive Joint Systems: for sealing joints in fire-resistance-rated construction.
   3. Section 08 81 00 - Glazing: for glazing sealants.
   4. Section 09 21 00 - Gypsum Board Assemblies: for sealing perimeter joints of gypsum board partitions to reduce sound transmission.
   5. Section 09 30 00 - Tiling: for sealing tile joints.
   6. Section 09 51 00 - Acoustical Ceilings: for sealing edge moldings at perimeters of acoustical ceilings.

1.03 PERFORMANCE REQUIREMENTS

A. Provide elastomeric joint sealants that establish and maintain watertight and airtight continuous joint seals without staining or deteriorating joint substrates.

B. Provide joint sealants for interior applications that establish and maintain airtight and water-resistant continuous joint seals without staining or deteriorating joint substrates.

1.04 SUBMITTALS

A. Product Data: For each joint-sealant product indicated.

B. Samples for Initial Selection: Manufacturer's color charts consisting of strips of cured sealants showing the full range of colors available for each product exposed to view.

C. Samples for Verification: For each type and color of joint sealant required, provide Samples with joint sealants in 1/2-inch- (13-mm-) wide joints formed between two 6-inch- (150-mm-) long strips of material matching the appearance of exposed surfaces adjacent to joint sealants.

D. Product Certificates: For each type of joint sealant and accessory, signed by product manufacturer.

E. Qualification Data: For Installer.

F. Compatibility and Adhesion Test Reports: From sealant manufacturer, indicating the following:
   1. Materials forming joint substrates and joint-sealant backings have been tested for compatibility and adhesion with joint sealants.
   2. Interpretation of test results and written recommendations for primers and substrate preparation needed for adhesion.

1.05 QUALITY ASSURANCE

A. Source Limitations: Obtain each type of joint sealant through one source from a single manufacturer.

B. Perform work in accordance with sealant manufacturer’s requirements for preparation of surfaces and material installation instructions.

C. Perform acoustical sealant application work in accordance with ASTM C919.

D. Product Testing: Obtain test results for "Product Test Reports" Paragraph in "Submittals" Article from a qualified testing agency based on testing current sealant formulations within a 36-month period preceding the commencement of the Work.
   1. Test elastomeric joint sealants for compliance with requirements specified by reference to ASTM C 920, and where applicable, to other standard test methods.
   2. Test elastomeric joint sealants according to SWRI's Sealant Validation Program for compliance with requirements specified by reference to ASTM C 920 for adhesion and cohesion under cyclic movement, adhesion-in-peel, and indentation hardness.

E. Mockups: Build mockups incorporating sealant joints, as follows, to verify selections made under sample submittals and to demonstrate aesthetic effects and set quality standards for materials and execution:
   1. Joints in mockups of assemblies specified in other Sections that are indicated to receive elastomeric joint sealants, which are specified by reference to this Section.

1.06 PROJECT CONDITIONS

A. Do not proceed with installation of joint sealants under the following conditions:
   1. When ambient and substrate temperature conditions are outside limits permitted by joint-sealant manufacturer or are below 40 deg F (5 deg C).
   2. When joint substrates are wet.
   3. Where joint widths are less than those allowed by joint-sealant manufacturer for applications indicated.
   4. Contaminants capable of interfering with adhesion have not yet been removed from joint substrates.

1.07 WARRANTY

A. Special Installer's Warranty: Installer's standard form in which Installer agrees to repair or replace elastomeric joint sealants that do not comply with performance and other requirements specified in this Section within specified warranty period.
   1. Warranty Period: Five years from date of Substantial Completion.

B. Special Manufacturer's Warranty: Manufacturer's standard form in which elastomeric sealant manufacturer agrees to furnish elastomeric joint sealants to repair or replace those that do not comply with performance and other requirements specified in this Section within specified warranty period.
   1. Warranty Period: Five years from date of Substantial Completion.

C. Special warranties specified in this Article exclude deterioration or failure of elastomeric joint sealants from the following:
   1. Movement of the structure resulting in stresses on the sealant exceeding sealant manufacturer's written specifications for sealant elongation and compression caused by structural settlement or errors attributable to design or construction.
   2. Disintegration of joint substrates from natural causes exceeding design specifications.
   3. Mechanical damage caused by individuals, tools, or other outside agents.
   4. Changes in sealant appearance caused by accumulation of dirt or other atmospheric contaminants.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Products: Subject to compliance with requirements, provide one of the products listed in other Part 2 articles.

2.02 MATERIALS, GENERAL

A. Compatibility: Provide joint sealants, backings, and other related materials that are compatible with one another and with joint substrates under conditions of service and application, as demonstrated by sealant manufacturer, based on testing and field experience.

B. VOC Content of Interior Sealants: Provide interior sealants and sealant primers that comply with the following limits for VOC content when calculated according to 40 CFR 59, Subpart D (EPA Method 24):
   1. Sealants: 250 g/L.
   2. Sealant Primers for Nonporous Substrates: 250 g/L.
   3. Sealant Primers for Porous Substrates: 775 g/L.

C. Colors of Exposed Joint Sealants: As selected by Architect from manufacturer's full range.

2.03 ELASTOMERIC JOINT SEALANTS

A. Elastomeric Sealants: Comply with ASTM C 920 and other requirements indicated for each liquid-applied chemically curing sealant specified, including those referencing ASTM C 920 classifications for type, grade, class, and uses related to exposure and joint substrates.

B. Stain-Test-Response Characteristics: Where elastomeric sealants are specified to be nonstaining to porous substrates, provide products that have undergone testing according to ASTM C 1248 and have not stained porous joint substrates indicated for Project.

C. Suitability for Immersion in Liquids. Where elastomeric sealants are indicated for Use I for joints that will be continuously immersed in liquids, provide products that have undergone testing according to ASTM C 1247 and qualify for the length of exposure indicated by reference to ASTM C 920 for Class 1 or 2. Liquid used for testing sealants is deionized water, unless otherwise indicated.

D. Suitability for Contact with Food: Where elastomeric sealants are indicated for joints that will come in repeated contact with food, provide products that comply with 21 CFR 177.2600

E. Single-Component Non-sag Polyether Sealant ES-A (Very Low VOC [less than 2%]):
   1. Available Products Very Low VOC (less than 2%)
      a. STS Coatings, GreatSeal PE-.150 (830-995-5177)
      b. Sonneborn, Division of BASF: Sonolastic 150.
   2. Type and Grade: S (single component) and NS (nonsag).
   3. Class: 25.
   4. Use Related to Exposure: NT (nontraffic).
   5. Uses Related to Joint Substrates: M, G, A, and, as applicable to joint substrates indicated, O.
      a. Use O Joint Substrates: galvanized steel, brick, and concrete.
   6. Stain-Test-Response Characteristics: Nonstaining to porous substrates per ASTM C 1248.
   7. Exterior Gypsum Joint Sealants (Very Low VOC less than 2%) (IECC Required)
      a. LT-100 Sealant by STS Coatings (830-995-5177)
      b. UniverSeal by York Mfg. (800-551-2828)

F. Single-Component Neutral-Curing Silicone Sealant ES- B:
   1. Available Products:

a. Sonneborn, Division of ChemRex Inc., BASF; Omniseal 50.
b. Dow Corning Corporation; 795
c. GE Silicones; SilPruf NB SCS9000.
d. Pecora Corporation; 895.

2. Type and Grade: S (single component) and NS (nonsag).
3. Class: 50.
4. Use Related to Exposure: NT (nontraffic).
5. Uses Related to Joint Substrates: M, G, A, and, as applicable to joint substrates indicated, O.
   a. Use O Joint Substrates: Glass and color anodic aluminum.

G. Single-Component Acid-Curing Silicone Sealant ES-C:
1. Available Products:
   a. Dow Corning Corporation; 999-A.
   b. GE Silicones; Sanitary SCS1700.
   c. Pecora Corporation; 860..
   d. Sonneborn, Division of ChemRex Inc.; OmniPlus.
   e. Tremco; Tremsil 200.
2. Type and Grade: S (single component) and NS (nonsag).
3. Class: 25.
4. Use Related to Exposure: NT (nontraffic).
5. Uses Related to Joint Substrates: G, A, and, as applicable to joint substrates indicated, O.
   a. Use O Joint Substrates: ceramic tile and stainless steel.

H. Multicomponent Nonsag Urethane Sealant ES-D:
1. Available Products:
   a. Sonneborn, Division of ChemRex Inc.; NP 2.
2. Type and Grade: M (multicomponent) and NS (nonsag).
3. Class: 25.
4. Uses Related to Exposure: T (traffic) and NT (nontraffic).
5. Uses Related to Joint Substrates: M, G, A, and, as applicable to joint substrates indicated, O.
   a. Use O Joint Substrates: Color anodic aluminum, galvanized steel, brick, and ceramic tile.

I. Multicomponent Pourable Urethane Sealant ES-E:
1. Available Products:
   a. Pecora Corporation; Dynatrol II-SG.
   b. Sika Corporation, Inc.; Sikaflex - 2c SL.
   c. Sonneborn, Division of ChemRex Inc.; SL 2.
2. Type and Grade: M (multicomponent) and P (pourable).
3. Class: 25.
4. Uses Related to Exposure: T (traffic) and NT (nontraffic).
5. Uses Related to Joint Substrates: M, G, A, and, as applicable to joint substrates indicated, O.
   a. Use O Joint Substrates: ceramic tile and concrete.

2.04 ACOUSTICAL JOINT SEALANTS

A. Acoustical Sealant for Exposed and Concealed Joints AS-A: Manufacturer's standard nonsag, paintable, nonstaining latex sealant complying with ASTM C 834 and the following:
1. Product effectively reduces airborne sound transmission through perimeter joints and openings in building construction as demonstrated by testing representative assemblies according to ASTM E 90.
2. Available Products:
   a. Pecora Corporation; AC-20 FTR Acoustical and Insulation Sealant.
   b. United States Gypsum Co.; SHEETROCK Acoustical Sealant.

2.05 JOINT-SEALANT BACKING

A. General: Provide sealant backings of material and type that are nonstaining; are compatible with joint substrates, sealants, primers, and other joint fillers; and are approved for applications indicated by sealant manufacturer based on field experience and laboratory testing.

B. Cylindrical Sealant Backings: ASTM C 1330, Type C (closed-cell material with a surface skin), and of size and density to control sealant depth and otherwise contribute to producing optimum sealant performance:

C. Elastomeric Tubing Sealant Backings: Neoprene, butyl, or silicone tubing complying with ASTM D 1056, nonabsorbent to water and gas, and capable of remaining resilient at temperatures down to minus 26 deg F (minus 32 deg C). Provide products with low compression set and of size and shape to provide a secondary seal, to control sealant depth, and to otherwise contribute to optimum sealant performance.

D. Bond-Breaker Tape: Polyethylene tape or other plastic tape recommended by sealant manufacturer for preventing sealant from adhering to rigid, inflexible joint-filler materials or joint surfaces at back of joint where such adhesion would result in sealant failure. Provide self-adhesive tape where applicable.

2.06 MISCELLANEOUS MATERIALS

A. Primer: Material recommended by joint-sealant manufacturer where required for adhesion of sealant to joint substrates indicated, as determined from preconstruction joint-sealant-substrate tests and field tests.

B. Cleaners for Nonporous Surfaces: Chemical cleaners acceptable to manufacturers of sealants and sealant backing materials, free of oily residues or other substances capable of staining or harming joint substrates and adjacent nonporous surfaces in any way, and formulated to promote optimum adhesion of sealants to joint substrates.

C. Masking Tape: Nonstaining, nonabsorbent material compatible with joint sealants and surfaces adjacent to joints.

PART 3 EXECUTION

3.01 EXAMINATION

A. Examine joints indicated to receive joint sealants, with Installer present, for compliance with requirements for joint configuration, installation tolerances, and other conditions affecting joint-sealant performance.

B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.02 PREPARATION

A. Surface Cleaning of Joints: Clean out joints immediately before installing joint sealants to comply with joint-sealant manufacturer's written instructions and the following requirements:
   1. Remove all foreign material from joint substrates that could interfere with adhesion of joint sealant, including dust, paints (except for permanent, protective coatings tested and approved for sealant adhesion and compatibility by sealant manufacturer), old joint sealants, oil, grease, waterproofing, water repellents, water, surface dirt, and frost.
   2. Clean porous joint substrate surfaces by brushing, grinding, blast cleaning, mechanical abrading, or a combination of these methods to produce a clean, sound substrate capable of developing optimum bond with joint sealants. Remove loose particles remaining after cleaning operations above by vacuuming or blowing out joints with oil-free compressed air. Porous joint substrates include the following:
      a. Concrete.
      b. Masonry.
      c. Unglazed surfaces of ceramic tile.
   3. Remove laitance and form-release agents from concrete.
   4. Clean nonporous surfaces with chemical cleaners or other means that do not stain, harm substrates, or leave residues capable of interfering with adhesion of joint sealants. Nonporous joint substrates include the following:
      a. Metal.
      b. Glass.
      c. Porcelain enamel.
      d. Glazed surfaces of ceramic tile.

B. Joint Priming: Prime joint substrates, where recommended in writing by joint-sealant manufacturer, based on preconstruction joint-sealant-substrate tests or prior experience. Apply primer to comply with joint-sealant manufacturer's written instructions. Confine primers to areas of joint-sealant bond; do not allow spillage or migration onto adjoining surfaces.

C. Masking Tape: Use masking tape where required to prevent contact of sealant with adjoining surfaces that otherwise would be permanently stained or damaged by such contact or by cleaning methods required to remove sealant smears. Remove tape immediately after tooling without disturbing joint seal.

3.03 INSTALLATION OF JOINT SEALANTS

A. General: Comply with joint-sealant manufacturer's written installation instructions for products and applications indicated, unless more stringent requirements apply.

B. Sealant Installation Standard: Comply with recommendations in ASTM C 1193 for use of joint sealants as applicable to materials, applications, and conditions indicated.

C. Acoustical Sealant Application Standard: Comply with recommendations in ASTM C 919 for use of joint sealants in acoustical applications as applicable to materials, applications, and conditions indicated.

D. Install sealant backings of type indicated to support sealants during application and at position required to produce cross-sectional shapes and depths of installed sealants relative to joint widths that allow optimum sealant movement capability.
   1. Do not leave gaps between ends of sealant backings.
   2. Do not stretch, twist, puncture, or tear sealant backings.
   3. Remove absorbent sealant backings that have become wet before sealant application and replace them with dry materials.

E. Install bond-breaker tape behind sealants where sealant backings are not used between sealants and backs of joints.

F. Install sealants using proven techniques that comply with the following and at the same time backings are installed:
   1. Place sealants so they directly contact and fully wet joint substrates.
   2. Completely fill recesses in each joint configuration.
   3. Produce uniform, cross-sectional shapes and depths relative to joint widths that allow optimum sealant movement capability.

G. Tooling of Nonsag Sealants: Immediately after sealant application and before skinning or curing begins, tool sealants according to requirements specified below to form smooth, uniform beads of configuration indicated; to eliminate air pockets; and to ensure contact and adhesion of sealant with sides of joint.
   1. Remove excess sealant from surfaces adjacent to joints.
   2. Use tooling agents that are approved in writing by sealant manufacturer and that do not discolor sealants or adjacent surfaces.
   3. Provide concave joint configuration per Figure 5A in ASTM C 1193, unless otherwise indicated.
   4. Provide flush joint configuration where indicated per Figure 5B in ASTM C 1193.
   5. Provide recessed joint configuration of recess depth and at locations indicated per Figure 5C in ASTM C 1193.
      a. Use masking tape to protect surfaces adjacent to recessed tooled joints.

H. Installation of Preformed Tapes: Install according to manufacturer's written instructions.

I. Installation of Preformed Silicone-Sealant System: Comply with the following requirements:
   1. Apply masking tape to each side of joint, outside of area to be covered by sealant system.
   2. Apply silicone sealant to each side of joint to produce a bead of size complying with preformed silicone-sealant system manufacturer's written instructions and covering a bonding area of not less than 3/8 inch (10 mm). Hold edge of sealant bead 1/4 inch (6 mm) inside masking tape.
   3. Within 10 minutes of sealant application, press silicone extrusion into sealant to wet extrusion and substrate. Use a roller to apply consistent pressure and ensure uniform contact between sealant and both extrusion and substrate.
   4. Complete installation of sealant system in horizontal joints before installing in vertical joints. Lap vertical joints over horizontal joints. At ends of joints, cut silicone extrusion with a razor knife.

J. Installation of Preformed Foam Sealants: Install each length of sealant immediately after removing protective wrapping, taking care not to pull or stretch material, producing seal continuity at ends, turns, and intersections of

joints. For applications at low ambient temperatures where expansion of sealant requires acceleration to produce seal, apply heat to sealant in compliance with sealant manufacturer's written instructions.

3.04 FIELD QUALITY CONTROL

A. Field-Adhesion Testing: Field test joint-sealant adhesion to joint substrates as follows:
   1. Extent of Testing: Test completed elastomeric sealant joints as follows:
      a. Perform 10 tests for the first 1000 feet (300 m) of joint length for each type of elastomeric sealant and joint substrate.
      b. Perform 1 test for each 1000 feet (300 m) of joint length thereafter or 1 test per each floor per elevation.
   2. Test Method: Test joint sealants according to Method A, Field-Applied Sealant Joint Hand Pull Tab or Method D, Water Immersion in Appendix X1 in ASTM C 1193, as appropriate for type of joint-sealant application indicated.
      a. For joints with dissimilar substrates, verify adhesion to each substrate separately; do this by extending cut along one side, verifying adhesion to opposite side. Repeat procedure for opposite side.
   3. Inspect joints for complete fill, for absence of voids, and for joint configuration complying with specified requirements. Record results in a field-adhesion-test log.
   4. Inspect tested joints and report on the following:
      a. Whether sealants in joints connected to pulled-out portion failed to adhere to joint substrates or tore cohesively. Include data on pull distance used to test each type of product and joint substrate. Compare these results to determine if adhesion passes sealant manufacturer's field-adhesion hand-pull test criteria.
      b. Whether sealants filled joint cavities and are free of voids.
      c. Whether sealant dimensions and configurations comply with specified requirements.
   5. Record test results in a field-adhesion-test log. Include dates when sealants were installed, names of persons who installed sealants, test dates, test locations, whether joints were primed, adhesion results and percent elongations, sealant fill, sealant configuration, and sealant dimensions.
   6. Repair sealants pulled from test area by applying new sealants following same procedures used originally to seal joints. Ensure that original sealant surfaces are clean and that new sealant contacts original sealant.

B. Evaluation of Field Test Results: Sealants not evidencing adhesive failure from testing or noncompliance with other indicated requirements will be considered satisfactory. Remove sealants that fail to adhere to joint substrates during testing or to comply with other requirements. Retest failed applications until test results prove sealants comply with indicated requirements.

3.05 CLEANING

A. Clean off excess sealant or sealant smears adjacent to joints as the Work progresses by methods and with cleaning materials approved in writing by manufacturers of joint sealants and of products in which joints occur.

3.06 PROTECTION

A. Protect joint sealants during and after curing period from contact with contaminating substances and from damage resulting from construction operations or other causes so sealants are without deterioration or damage at time of Substantial Completion. If, despite such protection, damage or deterioration occurs, cut out and remove damaged or deteriorated joint sealants immediately so installations with repaired areas are indistinguishable from original work.

3.07 JOINT-SEALANT SCHEDULE.

LOCATION		TYPE	COLOR
WINDOW PERIMETER, FRAMES, STOREFRONT	OR	B	AS SELECTED BY
CURTAIN WALL ASSEMBLY			ARCHITECT
DOOR FRAMES / WALL PERIMETERS		A	AS SELECTED BY ARCHITECT

UNDER THRESHOLDS UNDER WINDOW SYSTEM WHICH RESTS DIRECTLY ON THE FLOOR SLAB IN ORDER TO PREVENT INFILTRATION	A	BLACK
TOILET ROOM FIXTURES, ACCESSORIES	C	WHITE
CERAMIC TILE	C	AS SELECTED BY ARCHITECT
INTERSECTIONS OF DISIMILAR MATERIALS THAT ALLOWS WATER OR AIR INFILTRATION	A	AS SELECTED BY ARCHITECT
PERIMETER JOINTS ON ITERIOR SIDE OF DOOR FRAMES AND FRAMED OPENINGS IN WALLS WITH NO FINISHED EDGE FLANGE.	A	AS SELECTED BY ARCHITECT
PERIMETER JOINTS OF DOOR FRAMES, WINDOW FRAMES AND OTHER FRAMED OPENINGS IN WALLS WITH NO FINISHED EDGE FLANGE	A	AS SELECTED BY ARCHITECT
OPEN JOINTS AT PENETRATIONS THROUGH WALLS AND OPEN JOINTS AT PENTRATIONS THROUGH CONCRETE ORO GYPSUM BOARD CEILINGS, WHERE INTENDED TO BE TIGHT SEALED JOINTS	A	AS SELECTED BY ARCHITECT
OPEN JOINTS, BETWEEN DISIMILAR MATERIALS WERE INTENDED TO BE TIGHT, SEALED JOINT.	A	AS SELECTED BY ARCHITECT
JOINT WHERE EDGE TRIM OF GYPSUM BOARD ABUTTS IRREGULAR SURFACES OR OTHER SURFACES AND LEAVES AN OPEN JOINT	A	AS SELECTED BY ARCHITECT
WITHIN AND PERIMETER OF MASONRY SYSTEM	A	AS SELECTED BY ARCHITECT
INTERSECTION OF DISSIMILAR MATERIALS WHICH INSTALLATION IS NOT UNIFORM OR WHERE WORKMANSHIP DOES NOT MEET ACCEPTABLE CONSTRUCTION TOLERANCES, WHEN SUCH WORKMANSHIP IS ACCEPTABLE TO THE ARCHITECT	A	AS SELECTED BY ARCHITECT
METAL SIDING, LOUVERS, FIXTURES AND OTHER PENETRATIONS IN THE BUILDING ENCLOSURE NOT OTHERWISE SEALED WEATHERTIGHT. UNLESS NOTED OTHERWISE PROVIDE CONTINOUS SEALING PERIMETER JOINTS AND ALL OTHER JOINTS AT EXTERIOR SOFFITS.	A	AS SELECTED BY ARCHITECT
PAVING FLOOR JOINTS, EXPANSION JOINTS IN AND AROUND CONCRETE PAVEMENT, CURBS, OR OTHER HORIZIONTAL SURFACES. IN HORIZIONTAL JOINTS IN CONCRETE FLOORS WHERE INTENDED TO BE TIGHT, SEALED JOINTS.EXPANSION JOINTS IN CONRETE SLABS, AROUND COLUMN PIERS PENETRATING CONCRETE SLAB, AT ALL NATURAL CONCRETE SLAB EXPANSION CONTROL POINTS AS SPECIFIED	E	AS SELECTED BY ARCHITECT
WITHIN GLAZING SYSTEMS	B	AS SELECTED BY ARCHITECT
WITHIN ROOFING SYSTEM	A, D	AS SELECTED BY ARCHITECT

END OF SECTION

SECTION 08 11 13
HOLLOW METAL DOORS AND FRAMES

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Non-fire-rated steel doors and frames.

B. Steel frames for wood doors.

C. Fire-rated steel doors and frames.

D. Thermally insulated steel doors.

E. Accessories, including glazing, louvers, and matching panels.

1.02 RELATED REQUIREMENTS

A. Section 08 71 00 - Door Hardware.

B. Section 08 80 00 - Glazing: Glass for doors and borrowed lites.

C. Section 09 90 00 - Painting and Coating: Field painting.

1.03 REFERENCE STANDARDS

A. ANSI/ICC A117.1 - American National Standard for Accessible and Usable Buildings and Facilities; International Code Council; 2009.

B. ANSI A250.3 - Test Procedure and Acceptance Criteria for Factory-Applied Finish Painted Steel Surfaces for Steel Doors and Frames; 2007 (R2011).

C. ANSI A250.8 - SDI-100 Recommended Specifications for Standard Steel Doors and Frames; 2003.

D. ANSI A250.10 - Test Procedure and Acceptance Criteria for Prime Painted Steel Surfaces for Steel Doors and Frames; 1998 (R2011).

E. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2011.

F. ASTM C236 - Standard Test Method for Steady-State Thermal Performance of Building Assemblies by Means of a Guarded Hot Box; 1989 (Reapproved 1993).

G. BHMA A156.115 - Hardware Preparation in Steel Doors and Steel Frames; 2006.

H. NAAMM HMMA 840 - Guide Specifications for Installation and Storage of Hollow Metal Doors and Frames; The National Association of Architectural Metal Manufacturers; 2007.

I. NFPA 80 - Standard for Fire Doors and Other Opening Protectives; 2013.

J. NFPA 252 - Standard Methods of Fire Tests of Door Assemblies; National Fire Protection Association; 2012.

K. UBC Std 7-2, Part II - Test Standard for Smoke- and Draft-control Assemblies; International Conference of Building Officials; 1997.

L. UL (BMD) - Building Materials Directory; Underwriters Laboratories Inc.; current edition.

M. UL 10B - Standard for Fire Tests of Door Assemblies; Current Edition, Including All Revisions.

N. UL 10C - Standard for Positive Pressure Fire Tests of Door Assemblies; Current Edition, Including All Revisions.

O. UL 1784 - Standard for Air Leakage Tests of Door Assemblies; Current Edition, Including All Revisions.

1.04 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements for submittal procedures.

B. Product Data: Materials and details of design and construction, hardware locations, reinforcement type and locations, anchorage and fastening methods, and finishes; and one copy of referenced grade standard.

C. Shop Drawings: Details of each opening, showing elevations, glazing, frame profiles, and identifying location of different finishes, if any.

D. Samples: Submit two samples of metal, 2 x 2 inches in size showing factory finishes, colors, and surface texture.

E. Installation Instructions: Manufacturer's published instructions, including any special installation instructions relating to this project.

F. Manufacturer's Certificate: Certification that products meet or exceed specified requirements.

1.05 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years documented experience.

B. Maintain at the project site a copy of all reference standards dealing with installation.

1.06 DELIVERY, STORAGE, AND HANDLING

A. Store in accordance with NAAMM HMMA 840.

B. Protect with resilient packaging; avoid humidity build-up under coverings; prevent corrosion.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Steel Doors and Frames:
1. Assa Abloy Ceco, Curries, or Fleming: www.assaabloydss.com.
2. Steelcraft, an Ingersoll Rand brand; Product ____: www.steelcraft.com.
3. Substitutions: See Section 01 60 00 - Product Requirements.

2.02 DOORS AND FRAMES

A. Requirements for All Doors and Frames:
1. Accessibility: Comply with ANSI/ICC A117.1.
2. Door Edge Profile: Beveled on both edges.
3. Door Texture: Smooth faces.
4. Glazed Lights: Non-removable stops on non-secure side; sizes and configurations as indicated on drawings.
5. Hardware Preparation: In accordance with BHMA A156.115, with reinforcement welded in place, in addition to other requirements specified in door grade standard.
6. Finish: Factory primed, for field finishing.

B. Combined Requirements: If a particular door and frame unit is indicated to comply with more than one type of requirement, comply with all the specified requirements for each type; for instance, an exterior door that is also indicated as being sound-rated must comply with the requirements specified for exterior doors and for sound-rated doors; where two requirements conflict, comply with the most stringent.

2.03 STEEL DOORS

A. Exterior Doors :
1. Grade: ANSI A250.8 Level 3, physical performance Level A, Model 2, seamless.
2. Core: Polystyrene foam.
3. Top Closures for Outswinging Doors: Flush with top of faces and edges.
4. Galvanizing: All components hot-dipped zinc-iron alloy-coated (galvannealed) in accordance with ASTM A653/A653M, with manufacturer's standard coating thickness.
5. Weatherstripping: Separate, see Section 08 71 00.

B. Interior Doors, Non-Fire-Rated:
1. Grade: ANSI A250.8 Level 2, physical performance Level B, Model 1, full flush.
2. Core: Cardboard honeycomb.
3. Thickness: 1-3/4 inches.

C. Interior Doors, Fire-Rated:
1. Grade: ANSI A250.8 Level 2, physical performance Level B, Model 1, full flush.

2. Fire Rating: As indicated on Door and Frame Schedule, tested in accordance with UL 10C ("positive pressure").
   a. Provide units listed and labeled by UL.
   b. Attach fire rating label to each fire rated unit.

D. Panels: Same construction, performance, and finish as doors.

2.04 STEEL FRAMES

A. General:
   1. Comply with the requirements of grade specified for corresponding door.
      a. ANSI A250.8 Level 3 Doors: 14 gage frames.
      b. Frames for Wood Doors: Comply with frame requirements specified in ANSI A250.8 for Level 1, 18 gage
   2. Finish: Factory primed, for field finishing.
   3. Provide mortar guard boxes for hardware cut-outs in frames to be installed in masonry or to be grouted.
   4. Frames in Masonry Walls: Size to suit masonry coursing with head member 4 inches high to fill opening without cutting masonry units.
   5. Frames Wider than 48 Inches: Reinforce with steel channel fitted tightly into frame head, flush with top.

B. Exterior Door Frames: Face welded, seamless with joints filled.
   1. Galvanizing: All components hot-dipped zinc-iron alloy-coated (galvannealed) in accordance with ASTM A 653/A 653M, with manufacturer's standard coating thickness.
   2. Weatherstripping: Separate, see Section 08 71 00.

C. Interior Door Frames, Non-Fire-Rated: Fully welded type.
   1. Terminated Stops: Provide at all interior doors; closed end stop terminated 6 inches above floor at 45 degree angle.

D. Interior Door Frames, Fire-Rated: Fully welded type.
   1. Fire Rating: Same as door, labeled.

E. Frames for Interior Glazing or Borrowed Lights: Construction and face dimensions to match door frames, and as indicated on drawings.

2.05 ACCESSORY MATERIALS

A. Louvers: Roll formed steel with overlapping frame; finish same as door components; factory-installed.
   1. In Fire-Rated Doors: UL-listed fusible link louver, same rating as door.
   2. Style: Standard straight slat blade.
   3. Fasteners: Exposed, tamper proof fasteners.

B. Glazing: As specified in Section 08 80 00, factory installed.

C. Removable Stops: Formed sheet steel, shape as indicated on drawings, mitered or butted corners; prepared for countersink style tamper proof screws.

D. Silencers: Resilient rubber, fitted into drilled hole; 3 on strike side of single door, 3 on center mullion of pairs, and 2 on head of pairs without center mullions.

E. Temporary Frame Spreaders: Provide for all factory- or shop-assembled frames.

2.06 FINISH MATERIALS

A. Primer: Rust-inhibiting, complying with ANSI A250.10, door manufacturer's standard.

B. Bituminous Coating: Asphalt emulsion or other high-build, water-resistant, resilient coating.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify existing conditions before starting work.

B. Verify that opening sizes and tolerances are acceptable.

3.02 PREPARATION

A. Coat inside of frames to be installed in masonry or to be grouted, with bituminous coating, prior to installation.

3.03 INSTALLATION

A. Install in accordance with the requirements of the specified door grade standard and NAAMM HMMA 840.
B. In addition, install fire rated units in accordance with NFPA 80.
C. Coordinate frame anchor placement with wall construction.
D. Coordinate installation of hardware.
E. Coordinate installation of glazing.
F. Coordinate installation of electrical connections to electrical hardware items.
G. Touch up damaged factory finishes.

3.04 TOLERANCES

A. Clearances Between Door and Frame: As specified in ANSI A250.8.
B. Maximum Diagonal Distortion: 1/16 in measured with straight edge, corner to corner.

3.05 ADJUSTING

A. Adjust for smooth and balanced door movement.

3.06 SCHEDULE

A. Refer to Door and Frame Schedule on the drawings.

END OF SECTION

SECTION 08 14 16
FLUSH WOOD DOORS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Flush wood doors; flush configuration; fire rated and non-rated.

1.02 RELATED REQUIREMENTS

A. Section 06 20 00 - Finish Carpentry.

B. Section 08 11 13 - Hollow Metal Doors and Frames.

C. Section 08 71 00 - Door Hardware.

D. Section 08 80 00 - Glazing.

E. Section 09 90 00 - Painting and Coating: Site finishing of doors.

1.03 REFERENCE STANDARDS

A. AWI/AWMAC/WI (AWS) - Architectural Woodwork Standards; 2009.

B. ICC (IBC) - International Building Code; 2012.

C. ITS (DIR) - Directory of Listed Products; Intertek Testing Services NA, Inc.; current edition.

D. NEMA LD 3 - High-Pressure Decorative Laminates; National Electrical Manufacturers Association; 2005.

E. NFPA 80 - Standard for Fire Doors and Other Opening Protectives; 2013.

F. UL (BMD) - Building Materials Directory; Underwriters Laboratories Inc.; current edition.

1.04 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements for submittal procedures.

B. Product Data: Indicate door core materials and construction; veneer species, type and characteristics.

C. Specimen warranty.

D. Samples: Submit two samples of door construction, ____ by ____ inch in size cut from top corner of door.

E. Manufacturer's Installation Instructions: Indicate special installation instructions.

F. Warranty, executed in County of Hidalgo's name.

1.05 QUALITY ASSURANCE

A. Maintain one copy of the specified door quality standard on site for review during installation and finishing.

B. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years of documented experience.

C. Installed Fire Rated Door and Transom Panel Assembly: Conform to NFPA 80 for fire rated class as indicated.

1.06 DELIVERY, STORAGE, AND HANDLING

A. Package, deliver and store doors in accordance with specified quality standard.

B. Accept doors on site in manufacturer's packaging. Inspect for damage.

C. Protect doors with resilient packaging sealed with heat shrunk plastic. Do not store in damp or wet areas; or in areas where sunlight might bleach veneer. Seal top and bottom edges with tinted sealer if stored more than one week. Break seal on site to permit ventilation.

1.07 WARRANTY

A. See Section 01 78 00 - Closeout Submittals for additional warranty requirements.

B. Interior Doors: Provide manufacturer's warranty for the life of the installation.

C. Include coverage for delamination of veneer, warping beyond specified installation tolerances, defective materials, and telegraphing core construction.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. High Pressure Decorative Laminate Faced Doors:
   1. Ampco Products, Inc; Product ____: www.ampco.com.
   2. Poncraft Door Co; Product ____: www.poncraft.com.
   3. VT Industries, Inc; Product ____: www.vtindustries.com.
   4. Substitutions: See Section 01 60 00 - Product Requirements.

2.02 DOORS

A. All Doors: See drawings for locations and additional requirements.
   1. Quality Level: Premium Grade, in accordance with AWI/AWMAC/WI Architectural Woodwork Standards.
   2. High Pressure Decorative Laminate Faced Doors: 5-ply unless otherwise indicated.

B. Interior Doors: 1-3/4 inches thick unless otherwise indicated; flush construction.
   1. Provide solid core doors at all locations .
   2. Fire Rated Doors: Tested to ratings indicated on drawings in accordance with International Building Code ("positive pressure"); UL or WH (ITS) labeled without any visible seals when door is open.
   3. High pressure decorative laminate finish where indicated on drawings.

2.03 DOOR AND PANEL CORES

A. Non-Rated Solid Core and 20 Minute Rated Doors: Type particleboard core (PC), plies and faces as indicated above.

B. Fire Rated Doors: Mineral core, Type FD, plies and faces as indicated above; with core blocking as required to provide adequate anchorage of hardware without through-bolting.

C. Sound Retardant Doors: Equivalent to Type PC construction with core as required to achieve rating specified; plies and faces as indicated above.

2.04 DOOR FACINGS

A. High Pressure Decorative Laminate Facing for Fire Doors: NEMA LD 3, SGF; 7956K-78 Honduran Mahogany color; textured, low gloss finish.

B. High Pressure Decorative Laminate Facing for Non-Fire-Rated Doors: NEMA LD 3, HGS; 7956K-78 Honduran Mahogany color; textured, low gloss finish.

2.05 DOOR CONSTRUCTION

A. Fabricate doors in accordance with door quality standard specified.

B. Cores Constructed with stiles and rails:
   1. Provide solid blocks at lock edge for hardware reinforcement.

C. Factory machine doors for hardware other than surface-mounted hardware, in accordance with hardware requirements and dimensions.

D. Factory fit doors for frame opening dimensions identified on shop drawings, with edge clearances in accordance with specified quality standard.

E. Provide edge clearances in accordance with the quality standard specified.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify existing conditions before starting work.

B. Verify that opening sizes and tolerances are acceptable.

C. Do not install doors in frame openings that are not plumb or are out-of-tolerance for size or alignment.

3.02 INSTALLATION

A. Install doors in accordance with manufacturer's instructions and specified quality standard.
   1. Install fire-rated doors in accordance with NFPA 80 requirements.

B. Factory-Finished Doors: Do not field cut or trim; if fit or clearance is not correct, replace door.
C. Use machine tools to cut or drill for hardware.
D. Coordinate installation of doors with installation of frames and hardware.

3.03 TOLERANCES

A. Conform to specified quality standard for fit and clearance tolerances.
B. Conform to specified quality standard for telegraphing, warp, and squareness.

3.04 ADJUSTING

A. Adjust doors for smooth and balanced door movement.
B. Adjust closers for full closure.

3.05 SCHEDULE - SEE DRAWINGS

END OF SECTION

SECTION 08 31 00
ACCESS DOORS AND PANELS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Ceiling access door and frame units.

1.02 REFERENCE STANDARDS

A. UL (FRD) - Fire Resistance Directory; Underwriters Laboratories Inc.; current edition.

1.03 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

B. Product Data: Provide sizes, types, finishes, hardware, scheduled locations, and details of adjoining work.

C. Shop Drawings: Indicate exact position of all access door units.

D. Manufacturer's Installation Instructions: Indicate installation requirements.

E. Project Record Documents: Record actual locations of all access units.

PART 2 PRODUCTS

2.01 ACCESS DOOR AND PANEL APPLICATIONS

A. Walls, Unless Otherwise Indicated:
   1. Size: 12 x 12 inches, unless otherwise indicated.
   2. Standard duty, hinged door.
   3. Tool-operated spring or cam lock; no handle.
   4. In Gypsum Board: Drywall bead frame with door surface flush with wall surface.
   5. In Masonry: Surface mounted frame with door surface flush with frame surface.

B. Walls in Wet Areas:
   1. Material: Steel, hot-dipped zinc or zinc-aluminum-alloy coated.
   2. Size: 12 x 12 inches, unless otherwise indicated.
   3. Standard duty, hinged door.
   4. Tool-operated spring or cam lock; no handle.
   5. In Gypsum Board: Drywall bead frame with door surface flush with wall surface.
   6. In Masonry: Surface mounted frame with door surface flush with frame surface.

C. Ceilings, Unless Otherwise Indicated: Same type as for walls.
   1. Size in Lay-in Grid Ceilings: To match grid module.
   2. Size in Other Ceilings: 12 x 12 inches, unless otherwise indicated.
   3. Standard duty, hinged door.
   4. Tool-operated spring or cam lock; no handle.

2.02 WALL AND CEILING UNITS

A. Manufacturers:
   1. Acudor Products Inc: www.acudor.com.
   2. Karp Associates, Inc: www.karpinc.com.
   3. Milcor by Commercial Products Group of Hart & Cooley, Inc: www.milcorinc.com.
   4. Substitutions: See Section 01 60 00 - Product Requirements.

B. Access Doors: Factory fabricated door and frame units, fully assembled units with corner joints welded, filled, and ground flush; square and without rack or warp; coordinate requirements with assemblies units are to be installed in.
   1. Door Style: Single thickness with rolled or turned in edges.
   2. Frames: 16 gage, 0.0598 inch, minimum.
   3. Frames and flanges: 0.058 inch steel.
   4. Door panels: 0.070 inch single thickness steel sheet.

5. Sizes:
   a. Walls: 12 x 12 inches.
   b. Ceilings: 12 x 12 inches.
6. Hardware:
   a. Hinges for Non-Fire-Rated Units: Concealed, constant force closure spring type.
   b. Hinge: Non-Fire-Rated Units: 175 degree steel hinges with removable pin.
   c. Latch/Lock: Screw driver slot for quarter turn cam latch.
7. Finish: One coat baked enamel, _____ color.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that rough openings are correctly sized and located.

3.02 INSTALLATION

A. Install units in accordance with manufacturer's instructions.

B. Install frames plumb and level in openings. Secure rigidly in place.

C. Position units to provide convenient access to the concealed work requiring access.

3.03 SCHEDULE

A. At all drywall ceilings

B. At all plumbing chases

C. All areas that would otherwise be inaccessible

END OF SECTION

SECTION 08 33 23
OVERHEAD COILING DOORS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Overhead coiling doors , operating hardware, non-fire-rated and exterior, manual operation.

1.02 RELATED REQUIREMENTS

A. Section 26 05 34 - Conduit: Conduit from electric circuit to operator and from operator to control station.

1.03 REFERENCE STANDARDS

A. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2011.

1.04 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

B. Product Data: Provide general construction, component connections and details, _____.

C. Shop Drawings: Indicate pertinent dimensioning, anchorage methods, hardware locations, and installation details.

D. Manufacturer's Instructions: Indicate installation sequence and procedures, adjustment and alignment procedures, and _____.

E. Maintenance Data: Indicate lubrication requirements and frequency and periodic adjustments required.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Overhead Coiling Doors:
   1. Cornell Iron Works, Inc; Product ESD10: www.cornelliron.com.
   2. The Cookson Company; Product FK: www.cooksondoor.com.
   3. Overhead Door Company; Product FN SERIES 610.

2.02 COILING DOORS

A. Exterior Coiling Doors: Steel slat curtain.
   1. Capable of withstanding positive and negative wind loads of 20 psf, without undue deflection or damage to components.
   2. Single thickness slats.
   3. Nominal Slat Size: 2 inches wide x required length.
   4. Finish: Factory painted, color as selected.
   5. Guides: Angles; galvanized steel.
   6. Hood Enclosure: Manufacturer's standard; primed steel.
   7. Manual hand chain lift operation.
   8. Mounting: Surface mounted.
   9. Exterior lock and latch handle.

2.03 MATERIALS

A. Curtain Construction: Interlocking slats.
   1. Slat Ends: Alternate slats fitted with end locks to act as wearing surface in guides and to prevent lateral movement.
   2. Curtain Bottom: Fitted with angles to provide reinforcement and positive contact in closed position.
   3. Weatherstripping: Moisture and rot proof, resilient type, located at jamb edges, bottom of curtain, and where curtain enters hood enclosure of exterior doors.

B. Steel Slats: Minimum 22 gage ASTM A653/A653M galvanized steel sheet.

C. Guide Construction: Continuous, of profile to retain door in place with snap-on trim, mounting brackets of same metal.

D. Steel Guides: Formed from galvanized steel sheet, ____ gage; ____ inch wide; complying with ASTM A653/A653M.
   1. Galvanizing: Minimum G90/Z275 coating.

E. Hood Enclosure: Internally reinforced to maintain rigidity and shape.

F. Hardware:
   1. Lock Cylinders: Specified in Section 08 71 00.
   2. Latching: Inside mounted, adjustable keeper, spring activated latch bar with feature to keep in locked or retracted position.
   3. Latch Handle: Interior and exterior handle.

G. Roller Shaft Counterbalance: Steel pipe and helical steel spring system, capable of producing torque sufficient to ensure smooth operation of curtain from any position and capable of holding position at mid-travel; with adjustable spring tension; requiring 25 lb nominal force to operate.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that opening sizes, tolerances and conditions are acceptable.

3.02 INSTALLATION

A. Install units in accordance with manufacturer's instructions.

B. Use anchorage devices to securely fasten assembly to wall construction and building framing without distortion or stress.

C. Securely and rigidly brace components suspended from structure. Secure guides to structural members only.

D. Fit and align assembly including hardware; level and plumb, to provide smooth operation.

3.03 TOLERANCES

A. Maintain dimensional tolerances and alignment with adjacent work.

B. Maximum Variation From Plumb: 1/16 inch.

C. Maximum Variation From Level: 1/16 inch.

D. Longitudinal or Diagonal Warp: Plus or minus 1/8 inch per 10 ft straight edge.

3.04 ADJUSTING

A. Adjust operating assemblies for smooth and noiseless operation.

3.05 CLEANING

A. Clean installed components.

B. Remove labels and visible markings.

END OF SECTION

SECTION 08 41 13.10
ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS

PART 1 GENERAL

1.01 SUMMARY

A. Section Includes: Kawneer Aluminum Entrances, glass and glazing, and door hardware and components.
   1. **Types of Kawneer Aluminum Entrances include**:
      a. **Type B** - **500 Swing Door**; Wide stile, 5" (127) vertical face dimension, 1-3/4" (44.5) depth, high traffic applications.

B. Related Sections:
   Section 08 43 13 - Aluminum-Framed Storefronts.
   Section 08 71 00 - Finish Hardware.
   Section 08 81 00 - Glass Glazing.
   Division 28 00 00 - Electronic Safety and Security.

1.02 REFERENCES (INDUSTRY STANDARDS)

1.03 SYSTEM DESCRIPTION

A. Entrance Performance Requirements:
   1. Air Infiltration: For single acting offset pivot or butt hung entrances in the closed and locked position, the test specimen shall be tested in accordance with ASTM E 283 at a pressure differential of 6.24 psf (300 Pa) for single doors and 1.567 psf for pairs of doors. A single 3'0" x 7'0" (915 x 2134) entrance door and frame shall not exceed 0.50 cfm per square foot. A pair of 6'0" x 7'0" (1830 x 2134) entrance doors and frame shall not exceed 1.0 cfm per square foot.
   2. Structural: Corner strength shall be tested per the Kawneer dual moment load test procedure and certified by an independent testing laboratory to ensure weld compliance and corner integrity [Testing procedure and certified test results available upon request].

1.04 SUBMITTALS

A. General: Prepare, review, approve, and submit specified submittals in accordance with “Conditions of the Contract” and Submittals Sections. Product data, shop drawings, samples, and similar submittals are defined in “Conditions of the Contract.”

B. Quality Assurance/Control Submittals:
   1. Test Reports: Submit certified test reports showing compliance with specified performance characteristics.

1.05 WARRANTY

A. Project Warranty: Refer to “Conditions of the Contract” for project warranty provisions.

B. Manufacturer's Product Warranty: Submit, for Owner's acceptance, manufacturer's warranty for entrance system as follows:
   1. Warranty Period: Two (2) years from Date of Substantial Completion of the project provided however that the Limited Warranty shall begin in no event later than six months from date of shipment by Kawneer. In addition, welded door corner construction shall be supported with a limited lifetime warranty for the life of the door under normal use.

1.06 QUALITY ASSURANCE

A. Qualifications:
   1. Installer Qualifications: Installer experienced (as determined by contractor) to perform work of this section who has specialized in the installation of work similar to that required for this project and who is acceptable to product manufacturer.
   2. Manufacturer Qualifications: Manufacturer capable of providing structural calculations, applicable independent product test reports, installation instructions, a review of the application method, customer approval and periodic field service representation during construction.
   3. On access control installations, all wiring to be coordinated with a licensed electrical installer.

B. Pre-Installation Meetings: Conduct pre-installation meeting to verify project requirements, substrate conditions, manufacturer's installation instructions, and manufacturer's warranty requirements.

1.07 DELIVERY, STORAGE AND HANDLING

A. Ordering: Comply with manufacturer's ordering instructions and lead-time requirements to avoid construction delays.

B. Packing, Shipping, Handling, and Unloading: Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.

C. Storage and Protection: Store materials protected from exposure to harmful weather conditions. Handle entrance doors and components to avoid damage. Protect entrance doors against damage from elements, construction activities, and other hazards before, during and after entrance installation.

PART 2 PRODUCTS

2.01 2.01 MANUFACTURERS (ACCEPTABLE MANUFACTURERS/PRODUCTS)

A. Acceptable Manufacturers:
   1. Basis of Design: Kawneer Company, Inc
      555 Guthridge Court,
      Technology Park/Atlanta,
      Norcross, GA 30092
      Telephone:770 449 5555
      770 734 1560
      a. Proprietary Product(s)/System(s): Kawneer Aluminum Entrances.
      b. Series: 500 Swing Doors, Wide Stile
      c. Finish/Color: (See 2.06 Finishes)
   2. Oldcastle BuildingEnvelope: www.oldcastlebe.com.
   3. YKK AP America Inc: www.ykkap.com

B. Substitutions:
   1. General: Refer to Substitutions Section for procedures and submission requirements.
      a. Pre-Contract (Bidding Period) Substitutions: Submit written requests ten (10) days prior to bid date.
      b. Post-Contract (Construction Period) Substitutions: Submit written request in order to avoid entrance door installation and construction delays.
   2. Substitution Documentation:
      a. Product Literature and Drawings: Submit product literature and drawings modified to suit specific project requirements and job conditions.
      b. Certificates: Submit certificate(s) certifying substitute manufacturer (1) attesting to adherence to specification requirements for entrance door system performance criteria, and (2) has been engaged in the design, manufacturer and fabrication of aluminum entrance doors for a period of not less than ten (10) years. (Company Name)
      c. Test Reports: Submit test reports verifying compliance with each test requirement for entrance door configurations required by the project.
      d. Product Sample and Finish: Provide samples of typical product sections and finish samples in manufacturer's standard sizes.
   3. Substitution Acceptance: Acceptance will be in written form, either as an addendum or modification, and documented by a formal change order signed by the Owner and Contractor.

2.02 MATERIALS

A. Aluminum (Entrances and Components):
   1. Material Standard: ASTM B 221; 6063-T6 alloy and temper.
   2. The door stile and rail face dimensions of the 190 entrance door and 500 entrance door will be as follows:

	Vertical	StileTop	RailBottom Rail
b.	2-1/8" (54)	2-1/4" (58)	3-7/8" (99)
c.	5" (127)	5" (127)	6-1/2" (166)

3. Major portions of the door members to be 0.125" (3.2) nominal in thickness and glazing molding to be 0.05" (1.3) thick.
4. Tolerances: Reference to tolerances for wall thickness and other cross-sectional dimensions of entrance members are nominal and in compliance with Aluminum Standards and Data, published by The Aluminum Association.

B. Glazing gaskets shall be either EPDM elastomeric extrusions or a thermoplastic elastomer.

C. Provide adjustable glass jacks to help center the glass in the door opening.

2.03 ACCESSORIES

A. Fasteners: Where exposed, shall be aluminum, stainless steel or plated steel.

B. Perimeter Anchors: Aluminum. When steel anchors are used, provide insulation between steel material and aluminum material to prevent galvanic action.

C. Standard Entrance Hardware
1. Weatherstripping:
   a. Meeting stiles on pairs of doors shall be equipped with an adjustable astragal utilizing wool pile with polymeric fin.
   b. The door weathering on a single acting offset pivot or butt hung door and frame (single or pairs) shall be Kawneer Sealair® weathering. This is comprised of a thermoplastic elastomer weathering on a tubular shape with a semi-rigid polymeric backing.
2. Sill Sweep Strips: EPDM blade gasket sweep strip in an aluminum extrusion applied to the interior exposed surface of the bottom rail with concealed fasteners (Necessary to meet specified performance tests).
3. Threshold: Extruded aluminum, one piece per door opening, with ribbed surface.
4. Center Pivots: See Hardware Schedule for Donna ISD standards.
5. Offset Pivots: See Hardware Schedule for Donna ISD standards.
6. Butt Hinge: See Hardware Schedule for Donna ISD standards.
7. Continuous Hinge: See Hardware Schedule for Donna ISD standards..
8. Push/Pull: See Hardware Schedule for Donna ISD standards..
9. Exit Device: See Hardware Schedule for Donna ISD standards..
10. Closer: See Hardware Schedule for Donna ISD standards..
11. Security Lock/Dead Lock: See Hardware Schedule for Donna ISD standards..
12. Latch Handle: See Hardware Schedule for Donna ISD standards..
13. Cylinder(s)/Thumbturn: See Hardware Schedule for Donna ISD standards..

2.04 RELATED MATERIALS

A. Sealants: Refer to Joint Treatment (Sealants) Section

B. Glass: Refer to Glass and Glazing Section

2.05 FABRICATION

A. Entrance System Fabrication:
1. Door corner construction shall consist of mechanical clip fastening, SIGMA deep penetration plug welds and 1-1/8" (29) long fillet welds inside and outside of all four corners. Glazing stops shall be hook-in type with EPDM glazing gaskets reinforced with non-stretchable cord.
2. Accurately fit and secure joints and corners. Make joints hairline in appearance.
3. Prepare components with internal reinforcement for door hardware.
4. Arrange fasteners and attachments to conceal from view.

2.06 FINISHES

A. Factory Finishing:
1. Kawneer Permanodic® AA-M12C22A41, AAMA 611, Architectural Class I Clear Anodic Coating(Color #14 Clear Anodized Aluminum).

2.07 2.07 SOURCE QUALITY CONTROL

A. Source Quality: Provide aluminum entrances specified herein from a single source.

B. Fabrication Tolerances: Fabricate aluminum entrances in accordance with entrance manufacturer's prescribed tolerances.

PART 3 EXECUTION

3.01 EXAMINATION

A. Site Verification of Conditions: Verify substrate conditions (which have been previously installed under other sections) are acceptable for product installation in accordance with manufacturer's instructions. Verify openings are sized to receive entrance system and sill plate is level in accordance with manufacturer's acceptable tolerances.
   1. Field Measurements: Verify actual measurements/openings by field measurements before fabrication; show recorded measurements on shop drawings. Coordinate field measurements, fabrication schedule with construction progress to avoid construction delays.

3.02 INSTALLATION

A. General: Install entrance system in accordance with manufacturer's instructions and AAMA storefront and entrance guide specifications manual.
   1. Attach to structure to permit sufficient adjustment to accommodate construction tolerances and other irregularities.
   2. Provide alignment attachments and shims to permanently fasten system to building structure.
   3. Align assembly plumb and level, free of warp and twist. Maintain assembly dimensional tolerances aligning with adjacent work.
   4. Set thresholds in bed of mastic and secure.
   5. Adjusting: Adjust operating hardware for smooth operation.

B. Related Products Installation Requirements:
   1. Sealants (Perimeter): Refer to Joint Treatment (Sealants) Section.
   2. Glass: Refer to Glass and Glazing Section.
      a. Reference: ANSI Z97.1, CPSC 16 CFR 1201 and GANA Glazing Manual.

3.03 CLEANING AND PROTECTION

A. Cleaning: Remove temporary coverings and protection of adjacent work areas. Repair or replace damaged installed products. Clean installed products in accordance with manufacturer's instructions prior to owner's acceptance. Remove construction debris from project site and legally dispose of debris.

B. Protection: Protect installed product's finish surfaces from damage during construction. Protect aluminum entrances from damage from grinding and polishing compounds, plaster, lime, acid, cement, or other harmful contaminants. Remove and replace damaged aluminum entrances at no extra cost.

3.04 DISCLAIMER STATEMENT

A. This guide specification is intended to be used by a qualified construction specifier. The guide specification is not intended to be verbatim as a project specification without appropriate modifications for the specific use intended. The guide specification must be used and coordinated with the procedures of each design firm, and the particular requirements of a specific construction project.

END OF SECTION

SECTION 08 43 13
ALUMINUM-FRAMED STOREFRONTS

PART 1 GENERAL

1.01 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.02 SUMMARY

A. Section Includes: Kawneer Architectural Aluminum Storefront Systems, including perimeter trims, stools, accessories, shims and anchors, and perimeter sealing of storefront units.
   1. Types of Kawneer Aluminum Storefront Systems include:
      a. Type B - Trifab® VG 451T Storefront System - 2" x 4-1/2" (50.8 mm x 114.3 mm) nominal dimension; Thermal; Center, Back, Structural Silicone or Weatherseal Glazed (Type B); Screw Spline.

B. Related Sections:
   1. Division 07 27 26 Fluid-Applied Air Barriers for materials used to bridge between aluminum storefront system and building intersection
   2. Division 07 92 00 “Joint Sealants” for joint sealants installed as part of the aluminum sliding door system
   3. Division 08 41 13 "Aluminum-Framed Entrances and Storefronts"
   4. Division 08 44 13 "Glazed Aluminum Curtain Walls"

1.03 DEFINITIONS

A. Definitions: For fenestration industry standard terminology and definitions refer to American Architectural Manufactures Association (AAMA) - AAMA Glossary (AAMA AG).

1.04 PERFORMANCE REQUIREMENTS

A. General Performance: Aluminum-framed storefront system shall withstand the effects of the following performance requirements without exceeding performance criteria or failure due to defective manufacture, fabrication, installation, or other defects in construction:
   1. Design Wind Loads: Determine design wind loads applicable to the Project from basic wind speed indicated in miles per hour, according to ASCE 7, Section 6.5, "Method 2-Analytical Procedure," based on mean roof heights above grade indicated on Drawings.
      a. Basic Wind Speed (MPH): 119
      b. Importance Factor (I, II, III): 1.15
      c. Exposure Category (A, B, C, D): C

B. Storefront System Performance Requirements:
   1. Wind loads: As per Building Code.
   2. Air Infiltration: The test specimen shall be tested in accordance with ASTM E 283. Air infiltration rate shall not exceed 0.06 cfm/ft2 (0.3 l/s · m2) at a static air pressure differential of 6.24 psf (300 Pa).
   3. Water Resistance: The test specimen shall be tested in accordance with ASTM E 331. There shall be no leakage at a minimum static air pressure differential of 8 psf (383 Pa) as defined in AAMA 501
   4. Uniform Load: A static air design load of 20 psf (958 Pa) shall be applied in the positive and negative direction in accordance with ASTM E 330. There shall be no deflection in excess of L/175 of the span of any framing member. At a structural test load equal to 1.5 times the specified design load, no glass breakage or permanent set in the framing members in excess of 0.2% of their clear spans shall occur.
   5. Thermal Transmittance (U-factor): When tested to AAMA Specification 1503, the thermal transmittance (U-factor) shall not be more than:
      a. Glass to Exterior - 0.25 (low-e)
      b. Glass to Center - 0.25 (low-e)
      c. Glass to Interior - 0.25 (low-e)
   6. Condensation Resistance (CRF): When tested to AAMA Specification 1503, the condensation resistance factor shall not be less than:
      a. Glass to Exterior - 70frame and 69glass (low-e) or 69 frame and 58 glass (clear).

b. Glass to Center - 62 frame and 68glass (low-e) or 63 frame and 56 glass (clear).
c. Glass to Interior - 56 frame and 67 glass (low-e) or 54 frame and 58 glass (clear).

7. Sound Transmission Class (STC) and Outdoor-Indoor Transmission Class (OITC): When tested to AAMA Specification 1801 and in accordance with ASTM E1425 and ASTM E90, the STC and OITC Rating shall not be less than:
   a. Glass to Exterior - 38 (STC) and 31 (OITC)
   b. Glass to Center - 37 (STC) and 30 (OITC)
   c. Glass to Interior - 38 (STC) and 30 (OITC)
8. Windborne-Debris-Impact-Resistance Performance: Shall be tested in accordance with ASTM E 1886 and information in ASTM E 1996 and /or AAMA 506.
   a. Large-Missile Impact: For aluminum-framed systems located within 30 feet (9.1 m) of grade.
   b. Small-Missile Impact: For aluminum-framed systems located more than 30 feet (9.1 m) above grade.

1.05 SUBMITTALS

A. Product Data: Include construction details, material descriptions, dimensions of individual components and profiles, hardware, finishes, and installation instructions for each type of aluminum frame storefront system indicated.

B. Shop Drawings: Include plans, elevations, sections, details, hardware, and attachments to other work, operational clearances and installation details.

C. Samples for Initial Selection: For units with factory-applied color finishes including samples of hardware and accessories involving color selection.

D. Samples for Verification: For aluminum framed storefront system and components required.

E. Product Test Reports: Based on evaluation of comprehensive tests performed by a qualified testing agency for each type, of aluminum framed storefront.

F. Fabrication Sample: Of each vertical-to-horizontal intersection of aluminum-framed systems, made from 12” (300 mm) lengths of full-size components and showing details of the following:
   1. Joinery, including concealed welds.
   2. Anchorage.
   3. Expansion provisions.
   4. Glazing.
   5. Flashing and drainage.

G. Other Action Submittals:
   1. Entrance Door Hardware Schedule: Prepared by or under the supervision of supplier, detailing fabrication and assembly of entrance door hardware, as well as procedures and diagrams. Coordinate final entrance door hardware schedule with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish of entrance door hardware.

1.06 QUALITY ASSURANCE

A. Installer Qualifications: An installer which has had successful experience with installation of the same or similar units required for the project and other projects of similar size and scope.

B. Manufacturer Qualifications: A manufacturer capable of providing aluminum framed storefront system that meet or exceed performance requirements indicated and of documenting this performance by inclusion of test reports, and calculations.

C. Source Limitations: Obtain aluminum framed storefront system through one source from a single manufacturer.

D. Product Options: Drawings indicate size, profiles, and dimensional requirements of aluminum framed storefront system and are based on the specific system indicated. Refer to Division 01 Section "Product Requirements." Do not modify size and dimensional requirements.
   1. Do not modify intended aesthetic effects, as judged solely by Architect, except with Architect's approval. If modifications are proposed, submit comprehensive explanatory data to Architect for review.

E. Mockups: Build mockups to verify selections made under sample submittals and to demonstrate aesthetic effects and set quality standards for materials and execution.

1. Build mockup for type(s) of storefront elevation(s) indicated, in location(s) shown on Drawings.

F. Pre-installation Conference: Conduct conference at Project site to comply with requirements in Division 01 Section "Project Management and Coordination."

G. Structural-Sealant Glazing: Comply with ASTM C 1401, "Guide for Structural Sealant Glazing" for design and installation of structural-sealant-glazed systems.

H. Structural-Sealant Joints: Design reviewed and approved by structural-sealant manufacturer.

1.07 PROJECT CONDITIONS

A. Field Measurements: Verify actual dimensions of aluminum framed storefront openings by field measurements before fabrication and indicate field measurements on Shop Drawings.

1.08 WARRANTY

A. Manufactures Warranty: Submit, for Owner's acceptance, manufacturer's standard warranty.
   1. Warranty Period: Two (2) years from Date of Substantial Completion of the project provided however that the Limited Warranty shall begin in no event later than six months from date of shipment by manufacturer.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Basis-of-Design Product:
   1. Kawneer Company Inc.
   2. Trifab® Trifab® 451T (thermal) Storefront System
   3. 2” x 4-1/2” (50.8 mm x 114.3 mm) System Dimensions
   4. Glass: Center, Exterior or Interior (Refer to Drawings)
   5. Miscellaneous Framing: for Trifab VG 451 "Snap-In Flat Filler"
   6. Miscellaneous Framing: for Trifab VG 451T "Thermal Flat Filler"

B. Oldcastle BuildingEnvelope: www.oldcastlebe.com.

C. YKK AP America Inc: www.ykkap.com

D. Substitution Acceptance: Acceptance will be in written form, either as an addendum or modification, and documented by a formal change order signed by the Owner and Contractor.

2.02 MATERIALS

A. Aluminum Extrusions: Alloy and temper recommended by aluminum storefront manufacturer for strength, corrosion resistance, and application of required finish and not less than 0.070” wall thickness at any location for the main frame and complying with ASTM B 221: 6063-T6 alloy and temper.

B. Fasteners: Aluminum, nonmagnetic stainless steel or other materials to be non-corrosive and compatible with aluminum window members, trim hardware, anchors, and other components.

C. Anchors, Clips, and Accessories: Aluminum, nonmagnetic stainless steel, or zinc-coated steel or iron complying with ASTM B 633 for SC 3 severe service conditions or other suitable zinc coating; provide sufficient strength to withstand design pressure indicated.

D. Reinforcing Members: Aluminum, nonmagnetic stainless steel, or nickel/chrome-plated steel complying with ASTM B 456 for Type SC 3 severe service conditions, or zinc-coated steel or iron complying with ASTM B 633 for SC 3 severe service conditions or other suitable zinc coating; provide sufficient strength to withstand design pressure indicated.

E. Sealant: For sealants required within fabricated storefront system, provide permanently elastic, non-shrinking, and non-migrating type recommended by sealant manufacturer for joint size and movement.

F. Tolerances: Reference to tolerances for wall thickness and other cross-sectional dimensions of storefront members are nominal and in compliance with AA Aluminum Standards and Data.

2.03 STOREFRONT FRAMING SYSTEM

A. Thermal Barrier (Trifab® VG 451T):

1. Kawneer IsoLock® Thermal Break with a 1/4" (6.4 mm) separation consisting of a two-part chemically curing, high-density polyurethane, which is mechanically and adhesively joined to aluminum storefront sections.
    a. Thermal Break shall be designed in accordance with AAMA TIR-A8 and tested in accordance with AAMA 505.

B. Miscellaneous Framing: Provide "Snap-In Flat Filler" for Trifab 451; Provide "Thermal Flat Filler" for Trifab 451T.

C. Brackets and Reinforcements: Manufacturer's standard high-strength aluminum with nonstaining, nonferrous shims for aligning system components.

D. Fasteners and Accessories: Manufacturer's standard corrosion-resistant, nonstaining, nonbleeding fasteners and accessories compatible with adjacent materials. Where exposes shall be stainless steel.

E. Perimeter Anchors: When steel anchors are used, provide insulation between steel material and aluminum material to prevent galvanic action

F. Packing, Shipping, Handling and Unloading: Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.

G. Storage and Protection: Store materials protected from exposure to harmful weather conditions. Handle storefront material and components to avoid damage. Protect storefront material against damage from elements, construction activities, and other hazards before, during and after storefront installation.

2.04 GLAZING SYSTEMS

A. Glazing: As specified in Division 08 Section "Glazing."

B. Glazing Gaskets: Manufacturer's standard compression types; replaceable, extruded EPDM rubber.

C. Spacers and Setting Blocks: Manufacturer's standard elastomeric type.

D. Bond-Breaker Tape: Manufacturer's standard TFE-fluorocarbon or polyethylene material to which sealants will not develop adhesion.

E. Glazing Sealants: For structural-sealant-glazed systems, as recommended by manufacturer for joint type, and as follows:
1. Structural Sealant: ASTM C 1184, single-component neutral-curing silicone formulation that is compatible with system components with which it comes in contact, specifically formulated and tested for use as structural sealant and approved by a structural-sealant manufacturer for use in aluminum-framed systems indicated.
    a. Color: Black
2. Weatherseal Sealant: ASTM C 920 for Type S, Grade NS, Class 25, Uses NT, G, A, and O; single-component neutral-curing formulation that is compatible with structural sealant and other system components with which it comes in contact; recommended by structural-sealant, weatherseal-sealant, and aluminum-framed-system manufacturers for this use.
    a. Color: Matching structural sealant.

2.05 ENTRANCE DOOR SYSTEMS

A. Entrance Doors: As specified in Division 08 41 13 Section "Aluminum Framed Entrances."

B. Entrance Door Hardware: As specified in Division 08 41 13 Section "Door Hardware."

2.06 ACCESSORY MATERIALS

A. Joint Sealants: For installation at perimeter of aluminum-framed systems, as specified in Division 07 Section "Joint Sealants."

B. Bituminous Paint: Cold-applied, asphalt-mastic paint complying with SSPC-Paint 12 requirements except containing no asbestos; formulated for 30 mil (0.762 mm) thickness per coat.

2.07 FABRICATION

A. Framing Members, General: Fabricate components that, when assembled, have the following characteristics:
1. Profiles that are sharp, straight, and free of defects or deformations.
2. Accurately fit joints; make joints flush, hairline and weatherproof.

3. Means to drain water passing joints, condensation within framing members, and moisture migrating within the system to exterior.
4. Physical and thermal isolation of glazing from framing members.
5. Accommodations for thermal and mechanical movements of glazing and framing to maintain required glazing edge clearances.
6. Provisions for field replacement of glazing.
7. Fasteners, anchors, and connection devices that are concealed from view to greatest extent possible.

B. Mechanically Glazed Framing Members: Fabricate for flush glazing without projecting stops.

C. Structural-Sealant-Glazed Framing Members: Include accommodations for using temporary support device to retain glazing in place while structural sealant cures.

D. Storefront Framing: Fabricate components for assembly using manufactures standard installation instructions.

E. After fabrication, clearly mark components to identify their locations in Project according to Shop Drawings.

2.08 ALUMINUM FINISHES

A. Finish designations prefixed by AA comply with the system established by the Aluminum Association for designating aluminum finishes.

B. Factory Finishing:
1. Kawneer Permanodic® AA-M12C22A31, AAMA 611, Architectural Class II Clear Anodic Coating (Color #17 Clear) (Standard).

PART 3 EXECUTION

3.01 EXAMINATION

A. Examine openings, substrates, structural support, anchorage, and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of work. Verify rough opening dimensions, levelness of sill plate and operational clearances. Examine wall flashings, vapor retarders, water and weather barriers, and other built-in components to ensure a coordinated, weather tight framed aluminum storefront system installation.
1. Masonry Surfaces: Visibly dry and free of excess mortar, sand, and other construction debris.
2. Wood Frame Walls: Dry, clean, sound, well nailed, free of voids, and without offsets at joints. Ensure that nail heads are driven flush with surfaces in opening and within 3 inches (76 mm) of opening.
3. Metal Surfaces: Dry; clean; free of grease, oil, dirt, rust, corrosion, and welding slag; without sharp edges or offsets at joints.
4. Proceed with installation only after unsatisfactory conditions have been corrected.

3.02 INSTALLATION

A. Comply with Drawings, Shop Drawings, and manufacturer's written instructions for installing aluminum framed storefront system, accessories, and other components.

B. Install aluminum framed storefront system level, plumb, square, true to line, without distortion or impeding thermal movement, anchored securely in place to structural support, and in proper relation to wall flashing and other adjacent construction.

C. Set sill members in bed of sealant or with gaskets, as indicated, for weather tight construction.

D. Install aluminum framed storefront system and components to drain condensation, water penetrating joints, and moisture migrating within sliding door to the exterior.

E. Separate aluminum and other corrodible surfaces from sources of corrosion or electrolytic action at points of contact with other materials.

3.03 FIELD QUALITY CONTROL

A. Field Tests: Architect shall select storefront units to be tested as soon as a representative portion of the project has been installed, glazed, perimeter caulked and cured. Conduct tests for air infiltration and water penetration with manufacturer's representative present. Tests not meeting specified performance requirements and units having deficiencies shall be corrected as part of the contract amount.

1. Testing: Testing shall be performed by a qualified independent testing agency. Refer to Testing Section for payment of testing and testing requirements. Testing Standard per AAMA 503, including reference to ASTM E 783 for Air Infiltration Test and ASTM E 1105 Water Infiltration Test.
    a. Air Infiltration Tests: Conduct tests in accordance with ASTM E 783. Allowable air infiltration shall not exceed 1.5 times the amount indicated in the performance requirements or 0.09 cfm/ft2, whichever is greater.
    b. Water Infiltration Tests: Conduct tests in accordance with ASTM E 1105. No uncontrolled water leakage is permitted when tested at a static test pressure of two-thirds the specified water penetration pressure but not less than 6.24 psf (300 Pa).

B. Manufacturer's Field Services: Upon Owner's written request, provide periodic site visit by manufacturer's field service representative.

3.04 ADJUSTING, CLEANING, AND PROTECTION

A. Clean aluminum surfaces immediately after installing aluminum framed storefronts. Avoid damaging protective coatings and finishes. Remove excess sealants, glazing materials, dirt, and other substances.

B. Clean glass immediately after installation. Comply with glass manufacturer's written recommendations for final cleaning and maintenance. Remove nonpermanent labels, and clean surfaces.

C. Remove and replace glass that has been broken, chipped, cracked, abraded, or damaged during construction period.

END OF SECTION

SECTION 08 71 00

FINISH HARDWARE

PART 1 - GENERAL

1.01 DESCRIPTION OF WORK

A. Work under this section comprises of furnishing hardware specified herein and noted on drawings for a complete and operational system, including any electrified hardware components, systems, controls and hardware for aluminum entrance doors. Any door shown on the drawing and not specifically referenced in the hardware sets shall be provided with identical hardware as specified on other similar openings and shall be included in the General Contractor's base bid. All fire rated door shall be provided with fire rated hardware as required by local code Authority as part of the General Contractor's base bid. The hardware supplier shall verify all cylinder types specified for locking devices supplied as part of the door system with the door manufacturer and/or door supplies.

B. The General Contractor shall notify the Architect in writing of any discrepancies (five (5) days prior to bid date) that could and/or would result in hardware being supplied that is none functional, hardware specified and/or hardware that has not been specified that will result in any code violations and any door that is not covered in this specification. Failure of the General Contractor to address any such issue could be considered acceptance of the hardware specified and all discrepancies could be corrected at the General Contractor's expense.

C. Items include but are not limited to the following:

1. Hinges - Pivots
2. Flush Bolts
3. Exit Devices
4. Locksets and Cylinders
5. Push Plates - Pulls
6. Coordinators
7. Closers
8. Kick, Mop and Protection Plates
9. Stops, Wall Bumpers, Overhead Controls
10. Electrified Hold Open Devices
11. Thresholds, Seals and Door Bottoms
12. Silencers
13. Miscellaneous Trim and Accessories

1.02 RELATED DOCUMENTS, drawings and general provisions of contract, including General and Supplementary Conditions, and Division 1 Specification sections, apply to this section.

1.03 RELATED WORK specified elsewhere that should be examined for its effect upon this section:

A. Section 06 20 00 - Finish Carpentry
B. Section 08 11 13 – Steel Doors and Frames
C. Section 08 14 16 – Flush Wood Doors
D. Sections within 08 31 13 – Access Doors
E. Section within 08 41 13 – Aluminum Entrances, Storefront and Window Framing
F. Sections within 08 80 00 – Glass and Glazing
G. Sections within 09 91 00 - Painting
H. Division 26 - Electrical

1.04 REFERENCES SPECIFIED in this section subject to compliance as directed:

A. NFPA-80-2007 - Standard for Fire Doors and Windows
B. NFPA-101-2009 - Life Safety Code
C. ADA - The Americans with Disabilities Act - Title III - Public Accommodations
D. ANSI-A 117.1 - American National Standards Institute - Accessible and Usable Buildings and Facilities
E. ANSI-A 156.5 - American National Standards institute -Auxiliary Locks and Associated Products
F. UFAS - Uniform Federal Accessibility Standards
G. UL - Underwriter's Laboratories
H. WHI - Warnock Hersey International, Testing Services
I. State and Local Codes including Authority Having Jurisdiction
J. U.B.C.7-2-97 and UL10C
K. IBC-2012 – International Building Code
L. NFPA-70 – 2006 International Electrical Code

1.05 SUBMITTALS

A. HARDWARE SCHEDULES submit copies of schedule in accordance with Division 1, General Requirements. Schedule to be in vertical format, listing each door opening, including: handing of opening, all hardware scheduled for opening or otherwise required to allow for proper function of door opening as intended, and finish of hardware. At doors with door closers or door controls include degree of door opening. Supply the schedules all Finish Hardware within two (2) weeks from date purchase order is received by the hardware supplier.

B. Submit manufacturer's cut/catalog sheets on all hardware items and any required special mounting instructions with the hardware schedule.

C. Certification of Compliance:

1. Submit any information necessary to indicate compliance to all of these specifications as required.
2. Submit a statement from the manufacturer that electronic hardware and systems being supplied comply with the operational descriptions exactly as specified.

D. Submit any samples necessary as required by the Architect.

E. Templates for finish hardware items to be sent to related door and frame suppliers within three (3) working days of receipt of approved hardware schedule.

F. Doors and Frames used in positive pressure opening assemblies shall meet U.B.C. 7-2-97 and UL10C in areas where this specification includes Seals for smoke door.

1.06 QUALITY ASSURANCE

A. Hardware supplier to be a qualified, Factory Authorized, direct distributor of the products to be furnished. In addition, the supplier to have in their regular employment an AHC or AHC /CDC and/or a person of equivalent experience (minimum fifteen (15) years in the industry) who will be made available at reasonable times to consult with the Architect/Contractor and/or the Building Owner regarding any matters affecting the finish hardware on this project.

B. All hardware used in labeled fire or smoke rated openings to be listed for those types of openings and bear the identifying label or mark indicating UL. (Underwriter's Laboratories) approved for fire. Exit devices in non-labeled openings to be listed for panic.

1.07 DELIVERY, HANDLING AND PACKAGING

A. Furnish all hardware with each unit clearly marked and numbered in accordance with the hardware schedule. Include door and item number for each.

B. Pack each item of hardware completes with all necessary parts and fasteners.

C. Properly wrap and cushion each item to prevent scratches and dents during delivery and storage.

1.08 SEQUENCING AND SCHEDULING

Any part of the finish hardware required by the frame or door manufacturers or other suppliers that is needed in order to produce doors or frames is to be sent to those suppliers in a timely manner, so as not to interrupt job progress.

1.09 WARRANTY

All finish hardware shall be supplied with a One- (1) year warranty against defects in materials and workmanship, commencing with substantial completion of the project except as follows:

1. All Closers are to have a ten- (10) year written warranty.
2. All Exit Devices (Grade 1) are to have a three- (3) year written warranty.
3. All Locksets (Grade 1) are to have a one- (1) year written warranty.
4. All Continuous Hinges are to have a ten- (10) year written warranty.

PART 2 – PRODUCTS

2.01 FASTENERS

A. Furnish with finish hardware all necessary screws, bolts and other fasteners of suitable size and type to anchor the hardware in position for a long life under hard use.

B. Furnish fastenings where necessary with expansion shields, toggle bolts and other anchors designated by the Architect according to the material to which the hardware is to be applied and the recommendations of the hardware manufacturer. All closers and exit devices on labeled wood doors shall be through-bolted if required by the door manufacturer. All thresholds shall be fastened with wood screws and plastic anchors. Where specified in the hardware sets, security type fasteners of the type called for are to be supplied.

C. Design of all fastenings shall harmonize with the hardware as to material and finish.

D. All hardware shall be installed with the Manufacturers standard screws as provided. The use of any other type of fasteners shall not be permitted. The general contractor shall provide wood blocking in all stud walls specified and/or scheduled to receive wall stops, No Exception.

2.02 ENVIRONMENTAL CONCERN FOR PACKAGING

The hardware shall ship to the job site is to be packaged in biodegradable packs such as paper or cardboard boxes and wrapping.

2.03 HINGES

A. All hinges to be of one manufacturer as hereafter listed for continuity and consideration of warranty. Provide one of the following manufacturers Ives, Hager or Stanley.

B. Unless otherwise specified provide five-knuckle, heavy-duty, button tip, full mortise template type hinges with non-rising loose pins. Provide non-removable pins for out swinging doors at secured areas or as called for in this specification (Refer to 3.02 Hardware Sets).

C. Provide all out-swinging doors with non-removable pins or security studs as called for in 3.02 Hardware Sets. Furnish three (3) hinges up to 90 inches high and one (1) additional hinge for every 30 inches or fraction thereof.

D. Furnish three (3) hinges up to 90 inches high and one (1) additional hinge for every 30 inches or fraction thereof.

E. Provide size 4½" x 4½" for all 1¾" thick doors up to and including 36 inches wide. Doors over 1¾" through 2¼" thick, use 5" x 5" hinges. Doors over 36 inches use 5" x 4½" unless otherwise noted in 3.02 Hardware Sets.

F. Were required to clear the trim and/or to permit the doors to swing 180 degrees furnish hinges of sufficient throw.

G. Provide heavy weight hinges on all doors over 36 inches in width.

H. At labeled door's steel or stainless steel, bearing-type hinges shall be provided. For all doors equipped with closers provide bearing-type hinges.

2.04 LOCK AND LOCK TRIM

A. All of the locksets, latch sets, and trim to be of one manufacturer as hereafter listed for continuity of design and consideration of warranty. Locksets specified are Schlage "ND" series with the Sparta lever and shall be provided as specified, unless prior written approval is granted per the General Conditions section of the specifications.

B. Provide metal wrought box strike boxes and curved lip strikes with proper lip length to protect trim of the frame, but not to project more than 1/8 inch beyond frame trim or the inactive leaf of a pair of doors.

C. Mechanical Locks shall meet ANSI Operational Grade 1, Series 4000 as specified.

1. Hand of lock is to be field reversible or non-handed.
2. All lever trim is to be through-bolted through the door.
3. Provide all pairs of doors with a ¾" latch bolt throw.

2.05 CYLINDERS AND KEYING

A. Provide all exterior and interior locks or Exit Devices requiring cylinders shall be keyed to the New Facility Large Format Interchangeable Core Master Key System and which also complies with performance requirements of ANSI A156.5. All keys shall be of nickel silver material only. The hardware supplier shall meet

with the General Contractor, the Architect and the Facility Owners Representative at the project jobsite to determine all permanent keying requirements.

B. Cylinders shall be factory keyed and factory maintained as directed by the Building Owner and the Architect. Provide three- (3) keys per cylinder and six- (6) master keys per master used.

C. Factory stamp all keys “Do not duplicate” and with key symbol as directed by the Building Owner. Visual key control shall be provided on all permanent keys and cylinders.

D. Furnish all locks, cylinders and Exit devices with temporary keyed construction cores for the duration of construction. Provide ten (10) construction keys and two (2) construction control keys total. The general contractor shall within thirty (30) days of the installation of permanent cores return all construction cores to the hardware supplier for full credit.

2.06 EXIT DEVICES

A. All exit devices and trim, including electrified items, to be of one manufacturer as hereafter listed and in the hardware sets for continuity of design and consideration of warranty; electrified devices and trim to be the same series and design as mechanical devices and trim.

B. Exit Devices to be “UL” listed for life safety. All exit devices for labeled doors shall have “UL” label for “Fire Exit Hardware”. All devices mounted on labeled wood doors are to be through-bolted or per the manufacturer’s listing requirements. All devices shall conform to NFPA 80 and NFPA 101 requirements.

C. All exit devices to be of a heavy duty, chassis mounted design, with a one-piece removable covers, eliminating necessity of removing the device from the door for standard maintenance and keying requirements.

D. All trims to be through-bolted to the lock stile case. Lever design to be the same as specified with the lock sets.

E. Exit Devices shall be the modern push rail design. All exit devices shall be mounted with sex bolts.

F. All devices shall carry a three- (3) year warranty against manufacturing defects and workmanship. Exit devices shall be certified by an independent testing lab for a minimum of 1,000,000 cycles.

G. Furnish roller strikes for all rim and surface vertical rod exit devices. Internal springs shall be coil compression type. Furnish security dead latching for all active latch bolts. Latch bolts to have self lubricating coating to reduce friction and wear. Plated latch bolts not accepted.

H. All Exit Devices shall be field modifiable as incorporate an Electric Latch Retraction Feature without the purchase of new Panic Exit Hardware.

J. Exit Devices shall be the Von Duprin “99” series as specified or equal products manufactured by Precision unless prior written approval is granted per the General Conditions section of the specifications.

2.07 SURFACE MOUNTED DOOR CLOSERS

A. All closers for this project shall be the products of a single manufacturer for continuity of design and consideration of warranty. All door closers shall be mounted as to achieve the maximum degree of opening (trim permitting).

A. All closers to be heavy duty, surface-mounted, fully hydraulic, rack and pinion action with high strength cast iron cylinder to provide control throughout the entire door opening cycle.

C. Size all closers in accordance with the manufacturer's recommendations at the factory.

D. All closers to have adjustable spring power sizes 1 or 2 through 4 or 6 and separate tamper resistant, brass, non-critical regulating screw valves for closing speed, latching speed and back-check control as a standard feature unless specified other wise.

E. All closer covers to be rectangular, full cover type of non-ferrous, non-corrosive material painted to match closer. Provide closer covers only if provided as a standard part of the door closer package.

F. Closers shall have heavy-duty arms. All closer arms shall be of sufficient length to accommodate the reveal depth and to insure proper installation. The hardware supplier shall provide any and all required brackets, spacers or filler plates as required by the manufacture for a proper and functional installation as part of their base bid.

G. Supply appropriate arm assembly for each closer so that closer body and arm are mounted on non-public side of door opening and on the interior side of exterior openings, except where required otherwise in the hardware sets.

1. All parallel arm mounted closers to be factory indexed to insure proper installation.
2. Furnish heavy-duty cold forged parallel arms for all parallel arm mounted closers.

H. Provide closers with special application and heavy-duty arms as specified in the hardware sets or as otherwise called for to insure a proper operating, long lasting opening. Drop plates and any additional mounting brackets required for the proper installation of the door closer shall be included in the hardware supplier's base bid.

I. Finish: Baked on Powder Coated finish shall match other hardware.

J. Provide and mount all door closers with sex bolts as provided by the manufacturer.

K. Closers shall be LCN 1461FC & 1261 series as specified or equal products manufactured by Norton unless prior written approval is granted per the General Conditions section of the specifications.

2.08 DOOR STOPS AND HOLDERS

A. Door stops are to be furnished for every door leaf. Every door is to have a floor, wall, or an overhead stop.

B. Place doorstops in such a position that they permit maximum door swing, but do not present a hazard of obstruction. Furnish floor strikes for floor holders of proper height to engage holders of doors.

C. Where overhead stops and holders are specified, or otherwise required for proper door operation, they are to be heavy duty and of extruded brass, bronze or stainless steel with no plastic parts as specified**.** The General Contractor shall provide wood blocking in all stud walls specified and scheduled to receive wall stops.

D. Finish: Shall match other hardware where available.

E. Acceptable Products

1. Floor and wall stops as listed in hardware sets. Equivalent products as manufactured by Ives, ABH, Glynn Johnson and Trimco are acceptable.

2.09 PUSH PLATES, DOOR PULLS, AND KICKPLATES

A. All push plates, door pull, kick plates and other miscellaneous hardware as listed in hardware sets. Equivalent products as manufactured by Ives, Hager and Trimco are acceptable.

B. Kick plates to be 10 inches high and Mop plates to be 6 inches high, both by 2 inches or 1 inch less than door width (LDW) as specified. They are to be of 16 gauge thick base metal. For door with louvers or narrow bottom rails, kick plate height to be 1 inch less dimension shown from the bottom of the door to the bottom of the louver or glass.

C. Where required armor plates, edge guards and other protective hardware shall be supplied in sizes as scheduled in the hardware sets.

D. Finish: Same as other hardware where available.

2.10 FLUSH BOLTS AND COORDINATORS

A. Provide Flush bolts with Dust Proof Strikes as indicated in the individual hardware sets by Ives, Hager and Trimco are acceptable. Finish shall match the adjacent hardware.

2.11 THRESHOLDS AND SEALS

A. Provide materials and finishes as listed in hardware sets. National Guard Products has been specified to set a high level of quality, equivalent product by manufactured by Zero, and Pemko shall be acceptable. All thresholds must be in accordance with the requirements of the ADA and ANSI A117.1.

B. Provide thresholds with wood screws and plastic anchors. Supply all necessary anchoring devices for weather strip and sound seal.

C. Seals shall comply with requirements of U.B.C. 7-2-97 and UL10C. All thresholds, door bottoms and weather strip inserts shall be a silicone based product as specified in 3.02 Hardware Sets. Other materials used shall be rejected, unless originally specified.

D. Seals shall comply with the requirements of the Wood Door Manufacturer’s certification requirements.

E. All thresholds shall be provided with none slip coating (SIA) as specified in the hardware sets.

2.12 FINISHES

A. Finishes for all hardware are as required in this specification and the hardware sets.

B. Special care is to be taken to make uniform the finish of all various manufactured items.

2.13 DOOR SILENCERS

A. Provide door silencers at all openings without gasket. Provide two- (2) each at pair of doors and three- (3) or four- (4) each for each single door (coordinate with the frame manufacturer).

2.14 PROPRIETARY PRODUCTS

A. References to specific products are used to establish quality standards of utility and performance. Unless otherwise approved provide only the specified product.

B. All other materials, not specifically described, but required for a complete and proper finish hardware installation, are to be selected by the Contractor, subject to the approval of the Architect and the Building Owner.

B. Architect and the Building Owner reserve the right to approve all the substitutions proposed for this specification. All requests for substitution to be made prior to bid in accordance with Division 1, General Requirements, and are to be in writing, hand delivered to the Architect. Two (2) copies of the manufacturer's brochures and a physical sample of each item in the appropriate design and finish shall accompany requests for substitution.

PART 3 - EXECUTION

3.01 INSTALLATION AND SERVICE ITEMS OF FINISH HARDWARE

A. All finish hardware shall be installed by an experienced finish hardware installer with at least ten (10) years experience after a pre-installation meeting between the contractor, hardware Manufacturers representative, the hardware supplier, the hollow metal supplier and the wood door supplier. The finish hardware installer shall be responsible for the proper installation and function of all doors and hardware.

B. The hardware supplier's office and/or warehouse shall be located within a one hundred twenty five (125) mile radius of the project site as to better service the general contractor and the Facility Owner during the course of this project.

C. Check hardware against the reviewed hardware schedule upon delivery. Store the hardware in a dry and secure location to protect against loss and damage.

D. Install finish hardware in accordance with approved hardware schedule and manufacturers' printed instructions. Pre-fit hardware before finish is applied to door; remove and reinstall after finish is complete and dry. Install and adjust hardware so that parts operate smoothly, close tightly, and do not rattle.

E. Mortise and cutting to be done neatly, and evidence of cutting to be concealed in the finished work. Protect all Finish hardware from scratching or other damage.

F. The hardware supplier, general contractor and hardware installer shall after three (3) months of the Facility Owner's acceptance of the facility perform an on site

survey of the finish hardware. Any item of finish hardware found to be defective or out of adjustment shall be replaced or adjusted for the proper function and operation of the door assembly at the contractor's, supplier's and/or installer's expense. The hardware supplier shall provide a written report of any and all affected items to the Architect and the Facility Owner (No Exceptions). The scheduled inspection date for the on site inspection and adjustment of finish hardware shall be provided to the Architect as a part of the general contractor and hardware supplies close-out documentation for this project.

3.02HARDWARE SETS
SPEXTRA: 73437

HARDWARE SET # 01

DOORS #

101A

EACH TO HAVE:

1EA	CONT. HINGE	112HD DOOR HEIGHT	628	IVE
1EA	DIGITAL LOCK	CO-100-CY-70-KP-SPA-JD	626	SCE
1EA	FSIC CONST. CORE	23-030-ICX		SCH
1EA	FSIC CORE	23-030	626	SCH
1EA	ELECTRIC STRIKE	6211 FSE EB	630	VON
1EA	LOCK GUARD	LG14	630	IVE
1EA	SURFACE CLOSER	1461 SCUSH TBSRT	689	LCN
1EA	CUSH SHOE SUPPORT	1460-30	689	LCN
1EA	BLADE STOP SPACER	1460-61	689	LCN
1EA	KICK PLATE	8400 10" X 2" LDW B4E	630	IVE
1EA	DRIP CAP	16A FRAME WIDTH PLUS 4"	CL	NGP
1SET	SEALS	162S HEAD & JAMBS	AL	NGP
1EA	DOOR SWEEP	1015VA DOOR WIDTH	CL	NGP
1EA	THRESHOLD	896S SIA FRAME WIDTH	AL	NGP
1EA	DESK MOUNT BUTTON	660-PB (REMOTE RELEASE)	628	SCE
1EA	POWER SUPPLY	PS902 900-BBK 900-4R	LGR	SCE

HARDWARE SET # 02

DOORS #

102A 111A

EACH TO HAVE:

1EA	CONT. HINGE	112HD DOOR HEIGHT	628	IVE
1EA	DIGITAL EXIT DEVICE TRIM	CO-100-993R-70-KP-SPA-JD	626	SCE
1EA	PANIC HARDWARE	99-EO-SNB	628	VON
1EA	FSIC CONST. CORE	23-030-ICX		SCH
1EA	FSIC CORE	23-030	626	SCH
1EA	SURFACE CLOSER	1461 SCUSH TBSRT	689	LCN
1EA	CUSH SHOE SUPPORT	1460-30	689	LCN
1EA	BLADE STOP SPACER	1460-61	689	LCN
1EA	KICK PLATE	8400 10" X 2" LDW B4E	630	IVE
1EA	DRIP CAP	16A FRAME WIDTH PLUS 4"	CL	NGP
1SET	SEALS	162S HEAD & JAMBS	AL	NGP
1EA	DOOR SWEEP	1015VA DOOR WIDTH	CL	NGP
1EA	THRESHOLD	896S SIA FRAME WIDTH	AL	NGP

HARDWARE SET # 03

DOORS #

117C 119C

EACH TO HAVE:

1EA	CONT. HINGE	112HD DOOR HEIGHT	628	IVE
1EA	PANIC HARDWARE	99-NL-990-SNB	628	VON
1EA	RIM HOUSING	20-079	626	SCH
1EA	FSIC CONST. CORE	23-030-ICX		SCH
1EA	FSIC CORE	23-030	626	SCH
1EA	SURFACE CLOSER	1461 SCUSH TBSRT	689	LCN
1EA	CUSH SHOE SUPPORT	1460-30	689	LCN
1EA	BLADE STOP SPACER	1460-61	689	LCN
1EA	KICK PLATE	8400 10" X 2" LDW B4E	630	IVE
1EA	DRIP CAP	16A FRAME WIDTH PLUS 4"	CL	NGP
1SET	SEALS	162S HEAD & JAMBS	AL	NGP
1EA	DOOR SWEEP	1015VA DOOR WIDTH	CL	NGP
1EA	THRESHOLD	896S SIA FRAME WIDTH	AL	NGP

HARDWARE SET # 04

DOORS #

116A 117A 117B 118A 118B 119A
119B

EACH TO HAVE:

2EA	PADLOCKS	KS43F3200 X 4" SHACKLE	606	SCH
2EA	FSIC CONST. CORE	23-030-ICX		SCH
2EA	FSIC CORE	23-030	626	SCH
	BALANCE OF HARDWARE	PROVIDED BY DOOR MFG.		

HARDWARE SET # 05

DOORS #

102B

EACH TO HAVE:

6EA	HW HINGE	5BB1HW 4.5 X 4.5 NRP	630	IVE
2EA	MANUAL FLUSH BOLT	FB458	626	IVE
1EA	DUST PROOF STRIKE	DP2	626	IVE
1EA	SGL CYL DEADBOLT	B660T	626	SCH
1EA	FSIC CORE	23-030	626	SCH
2EA	PUSH PLATE	8200 8" X 16"	630	IVE
2EA	PULL PLATE	8305 8" 3.5" X 15"	630	IVE
2EA	SURFACE CLOSER	1261 H TBSRT	689	LCN
2EA	KICK PLATE	8400 10" X 2" LDW B4E	630	IVE
2EA	WALL STOP	WS407CCV	630	IVE
1SET	ASTRAGAL	9605A DOOR HEIGHT	CL	NGP
2EA	SILENCER	SR64	GRY	IVE

DOORS ARE TO BE INSTALLED WITH A MAXIMUM GAP OF 1/4" BETWEEN THE DOORS LEAFS.

HARDWARE SET # 06

DOORS #

116B

EACH TO HAVE:

6EA	HW HINGE	5BB1HW 4.5 X 4.5 NRP	630	IVE
2EA	SURFACE BOLT	SB360 12" TB	652	IVE
1EA	SGL CYL DEADBOLT	B660T	626	SCH
1EA	FSIC CORE	23-030	626	SCH
2EA	PUSH PLATE	8200 8" X 16"	630	IVE
2EA	PULL PLATE	8305 8" 3.5" X 15"	630	IVE
2EA	SURFACE CLOSER	1261 HW/PA TBSRT	689	LCN
2EA	ARMOR PLATE	8400 36" X 2" LDW B4E	630	IVE
2EA	WALL STOP	WS407CCV	630	IVE
1SET	ASTRAGAL	9605A DOOR HEIGHT	CL	NGP
2EA	SILENCER	SR64	GRY	IVE

DOORS ARE TO BE INSTALLED WITH A MAXIMUM GAP OF 1/4" BETWEEN THE DOORS LEAFS.

HARDWARE SET # 07

DOORS #

101B

EACH TO HAVE:

3EA	HINGE	5BB1 4.5 X 4.5 NRP	630	IVE
1EA	PASSAGE SET	ND10S SPA	626	SCH
1EA	SURFACE CLOSER	1261 RW/PA TBSRT	689	LCN
1EA	KICK PLATE	8400 10" X 2" LDW B4E	630	IVE
1EA	WALL STOP	WS407CCV	630	IVE
3EA	SILENCER	SR64	GRY	IVE

HARDWARE SET # 08

DOORS #

107 108 113 114

EACH TO HAVE:

3EA	HINGE	5BB1 4.5 X 4.5	630	IVE
1EA	PASSAGE SET	ND10S SPA	626	SCH
1EA	DOOR BOLT OCC IND	B571 X (6) 61510	626	SCH
1EA	SURFACE CLOSER	1261 RW/PA TBSRT	689	LCN
1EA	KICK PLATE	8400 10" X 2" LDW B4E	630	IVE
1EA	WALL STOP	WS407CCV	630	IVE
1EA	COAT AND HAT HOOK	582	626	IVE
3EA	SILENCER	SR64	GRY	IVE

HARDWARE SET # 09

DOORS #

106 109A 109B

EACH TO HAVE:

3EA	HINGE	5BB1 4.5 X 4.5	630	IVE
1EA	STOREROOM LOCK	ND80TD SPA	626	SCH
1EA	FSIC CORE	23-030	626	SCH
1EA	WALL STOP	WS407CCV	630	IVE
3EA	SILENCER	SR64	GRY	IVE

HARDWARE SET # 10

DOORS #

105

EACH TO HAVE:

3EA	HINGE	5BB1 4.5 X 4.5	630	IVE
1EA	CLASSROOM LOCK	ND70TD SPA	626	SCH
1EA	FSIC CORE	23-030	626	SCH
1EA	WALL STOP	WS407CCV	630	IVE
3EA	SILENCER	SR64	GRY	IVE

HARDWARE SET # 11

DOORS #

103 104

EACH TO HAVE:

3EA	HINGE	5BB1 4.5 X 4.5	630	IVE
1EA	ENTRANCE LOCK	ND53TD SPA	626	SCH
1EA	FSIC CORE	23-030	626	SCH
1EA	WALL STOP	WS407CCV	630	IVE
3EA	SILENCER	SR64	GRY	IVE

HARDWARE SET # 12

DOORS #

102C

EACH TO HAVE:

3EA	HINGE	5BB1 4.5 X 4.5 NRP	630	IVE
1EA	CLASSROOM LOCK	ND70TD SPA	626	SCH
1EA	FSIC CORE	23-030	626	SCH
1EA	SURFACE CLOSER	1261 H TBSRT	689	LCN
1EA	KICK PLATE	8400 10" X 2" LDW B4E	630	IVE
1EA	WALL STOP	WS407CCV	630	IVE
3EA	SILENCER	SR64	GRY	IVE

HARDWARE SET # 13

DOORS #

111B

EACH TO HAVE:

3EA	HINGE	5BB1 4.5 X 4.5 NRP	630	IVE
1EA	CLASSROOM LOCK	ND70TD SPA	626	SCH
1EA	FSIC CORE	23-030	626	SCH

1EA	SURFACE CLOSER	1261 HEDA TBSRT	689	LCN
1EA	KICK PLATE	8400 10" X 2" LDW B4E	630	IVE
1EA	DOOR STOP	FS17 OR WS407CCV AS REQUIRED	626	IVE
3EA	SILENCER	SR64	GRY	IVE

HARDWARE SET # 14

DOORS #

C2A

EACH TO HAVE:

3EA	HINGE	5BB1 4.5 X 4.5 NRP	630	IVE
1EA	DEADBOLT	B660T	626	SCH
1EA	FSIC CORE	23-030	626	SCH
1EA	PUSH PLATE	8200 8" X 16"	630	IVE
1EA	PULL PLATE	8305 8" 3.5" X 15"	630	IVE
1EA	SURFACE CLOSER	1261 RW/PA TBSRT	689	LCN
1EA	KICK PLATE	8400 10" X 2" LDW B4E	630	IVE
1EA	DOOR STOP	FS17 OR WS407CCV AS REQUIRED	626	IVE
3EA	SILENCER	SR64	GRY	IVE

HARDWARE SET # 15

DOORS #

C2B

EACH TO HAVE:

3EA	HW HINGE	5BB1HW 4.5 X 4.5 NRP	630	IVE
1EA	DEADBOLT	B663T	626	SCH
1EA	FSIC CORE	23-030	626	SCH
1EA	PUSH PLATE	8200 8" X 16"	630	IVE
1EA	PULL PLATE	8305 8" 3.5" X 15"	630	IVE
1EA	SURFACE CLOSER	1461 SCUSH TBSRT	689	LCN
1EA	CUSH SHOE SUPPORT	1460-30	689	LCN

1EA	BLADE STOP SPACER	1460-61	689	LCN
1EA	KICK PLATE	8400 10" X 2" LDW B4E	630	IVE
1SET	SEALS	162S HEAD & JAMBS	AL	NGP
1EA	DOOR SWEEP	200SA DOOR WIDTH	CL	NGP
1EA	THRESHOLD	513 SIA X FRAME WIDTH	AL	NGP

HARDWARE SET # 16

DOORS #

115

EACH TO HAVE:

1EA	PADLOCKS	KS43F3200 X 4" SHACKLE	606	SCH
1EA	MORTISE CYLINDER	20-060	626	SCH
1EA	FSIC CONST. CORE	23-030-ICX		SCH
1EA	FSIC CORE	23-030	626	SCH
1EA	FLOOR STOP	FS18S	BLK	IVE
1SET	BALANCE OF HARDWARE	PROVIDED BY DOOR MFG.		B/O

HARDWARE SUPPLIER TO VERIFY WITH CAGE PROVIDER LOCKING DEVICE REQUIRED (CYLINDER OR PADLOCK) AND PROVIDE ACCORDINGLY.

END OF SECTION

SECTION 08 80 00
GLAZING

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Glass.

B. Glazing compounds and accessories.

1.02 REFERENCE STANDARDS

A. ASTM C864 - Standard Specification for Dense Elastomeric Compression Seal Gaskets, Setting Blocks, and Spacers; 2005 (Reapproved 2011).

B. ASTM C1036 - Standard Specification for Flat Glass; 2011e1.

C. ASTM C1048 - Standard Specification for Heat-Strengthened and Fully Tempered Flat Glass; 2012.

D. ASTM E1300 - Standard Practice for Determining Load Resistance of Glass in Buildings; 2012a.

E. ASTM E2190 - Standard Specification for Insulating Glass Unit Performance and Evaluation; 2010.

F. GANA (GM) - GANA Glazing Manual; Glass Association of North America; 2009.

G. GANA (SM) - GANA Sealant Manual; Glass Association of North America; 2008.

1.03 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

B. Product Data on Glazing Compounds: Provide chemical, functional, and environmental characteristics, limitations, special application requirements. Identify available colors.

1.04 QUALITY ASSURANCE

A. Perform Work in accordance with GANA Glazing Manual and FGMA Sealant Manual for glazing installation methods.

1.05 FIELD CONDITIONS

1.06 WARRANTY

A. See Section 01 78 00 - Closeout Submittals, for additional warranty requirements.

B. Sealed Insulating Glass Units: Provide a five (5) year warranty to include coverage for seal failure, interpane dusting or misting, including replacement of failed units.

PART 2 PRODUCTS

2.01 GLAZING TYPES

A. Type IG-1 - Sealed Insulating Glass Units: Vision glazing, low-E.
   1. Application(s): All exterior glazing unless otherwise indicated.
   2. Substitutions: Refer to Section 01 60 00 - Product Requirements.
      a. Other products of the basis of design manufacturer and products of other manufacturers will be considered provided the overall performance is within the specified range(s) and the overall appearance is not significantly different from that of the specified product.
   3. Between-lite space filled with air.
   4. Thermal Resistance (U-Value): _____, nominal.
   5. Total Solar Heat Gain Coefficient: _____, nominal.
   6. Total Visible Light Transmittance: _____ percent to _____ percent.
   7. Basis of Design: Guardian Industries Corp: www.sunguardglass.com.
   8. Outboard Lite: Annealed float glass, 1/4 inch thick, minimum.
   9. Inboard Lite: Annealed float glass, 1/4 inch thick.
      a. Tint: None (clear).
   10. Outboard Lite: Annealed float glass, 1/4 inch thick, minimum.

a. Coating: PPG Solarban 70XL on #2 surface, no coating on #3 surface.

11. Total Thickness: 1 inch.

B. Type IG-2 - Sealed Insulating Glass Units: Spandrel glazing.
   1. Application: Exterior glazing where indicated.
   2. Outboard Lite: Annealed float glass, 1/4 inch thick, minimum.
   3. Inboard Lite: Heat-strengthened float glass, 1/4 inch thick.
   4. Total Thickness: 1 inch.

2.02 EXTERIOR GLAZING ASSEMBLIES

A. Structural Design Criteria: Select type and thickness to withstand dead loads and wind loads acting normal to plane of glass at design pressures calculated in accordance with _____ code.
   1. Use the procedure specified in ASTM E1300 to determine glass type and thickness.
   2. Limit glass deflection to 1/200 or flexure limit of glass, whichever is less, with full recovery of glazing materials.
   3. Thicknesses listed are minimum.

B. Air and Vapor Seals: Provide completed assemblies that maintain continuity of building enclosure vapor retarder and air barrier:
   1. In conjunction with vapor retarder and joint sealer materials described in other sections.
   2. To maintain a continuous air barrier and vapor retarder throughout the glazed assembly from glass pane to heel bead of glazing sealant.

2.03 GLASS MATERIALS

A. Float Glass: All glazing is to be float glass unless otherwise indicated.
   1. Annealed Type: ASTM C1036, Type I, transparent flat, Class 1 clear, Quality Q3 (glazing select).
   2. Heat-Strengthened and Fully Tempered Types: ASTM C1048.
   3. Tinted Types: Color and performance characteristics as indicated.
   4. Thicknesses: As indicated; for exterior glazing comply with specified requirements for wind load design regardless of specified thickness.

2.04 SEALED INSULATING GLASS UNITS

A. Sealed Insulating Glass Units: Types as indicated.
   1. Durability: Certified by an independent testing agency to comply with ASTM E2190.
   2. Edge Spacers: Aluminum, bent and soldered corners.
   3. Edge Seal: Glass to elastomer with supplementary silicone sealant.
   4. Purge interpane space with dry hermetic air.

2.05 GLAZING COMPOUNDS

2.06 GLAZING ACCESSORIES

A. Setting Blocks: Neoprene, 80 to 90 Shore A durometer hardness, ASTM C 864 Option I. Length of 0.1 inch for each square foot of glazing or minimum 4 inch x width of glazing rabbet space minus 1/16 inch x height to suit glazing method and pane weight and area.

B. Spacer Shims: Neoprene, 50 to 60 Shore A durometer hardness, ASTM C 864 Option I. Minimum 3 inch long x one half the height of the glazing stop x thickness to suit application, self adhesive on one face.

PART 3 EXECUTION

END OF SECTION

SECTION 08 81 00
GLASS GLAZING

PART 1 GENERAL

1.01 SECTION INCLUDES

A. High performance architectural glass.

B. High performance architectural insulating glass.

1.02 RELATED SECTIONS

A. Section 04 20 00 - Unit Masonry.

B. Section 08 00 13 - Hollow Metal Doors and Frames.

C. Section 08 43 13 - Aluminum-Framed Storefronts.

D. Section 08 44 13 - Glazed Aluminum Curtain Walls.

E. Section 09 29 00 - Gypsum Board.

F. Section 09 29 10 - Gypsum Board Accessories.

1.03 REFERENCES

A. ANSI Z97.1 - American National Standard for Glazing Materials Used in Buildings - Safety Performance Specifications and Methods of Test.

B. ASCE 7 - "Minimum Design Loads for Buildings and Other Structures".

C. ASTM International (ASTM):

D. ASTM C 162 - Standard Terminology of Glass and Glass Products.

E. ASTM C 1036 - Standard Specification for Flat Glass.

F. ASTM C 1048 - Standard Specification for Heat-Treated Flat Glass -- Kind HS, Kind FT coated and Uncoated Glass.

G. ASTM C 1172 - Standard Specification for Laminated Architectural Flat Glass.

H. ASTM C 1376 - Standard Specification for Pyrolitic and Vacuum Deposition Coatings on Flat Glass.

I. ASTM E 2188 - Standard Test Method for Insulating Glass Unit Performance.

J. ASTM E 2189 - Standard Test Method for Testing Resistance to Fogging in Insulating Glass Units.

K. ASTM E 2190 - Standard Specification for Insulating Glass Unit Performance and Evaluation.

1.04 DEFINITIONS

A. Manufacturers of Glass Products: Firms that produce primary glass, fabricated glass, or both, as defined in referenced glazing publications.

B. Glass Thicknesses: Indicated by thickness designations in millimeters according to ASTM C 1036.

C. Interspace: Space between lites of an insulating-glass unit that contains dehydrated air or other specified gas.

D. Sealed Insulating Glass Unit Surface Designations:
   1. Surface 1 - Exterior surface of the outer glass lite.
   2. Surface 2 - Interspace surface of the outer glass lite.
   3. Surface 3 - Interspace surface of the inner glass lite.
   4. Surface 4 - Interior surface of the inner glass lite.

1.05 PERFORMANCE REQUIREMENTS

A. General: Provide glass capable of withstanding thermal movement and wind and impact loads (where applicable) as specified in paragraph B following.

B. Glass Design: Glass thickness designations indicated are minimums and are for detailing only. Confirm glass thicknesses by analyzing Project loads and in-service conditions. Provide glass lites in the thickness

designations indicated for various size openings, but not less than thicknesses and in strengths (annealed or heat treated) required to meet or exceed the following criteria:

1. Glass Thicknesses: Select minimum glass thicknesses to comply with ASTM E 1300, according to the following requirements:
2. Design Wind Loads: Determine design wind loads applicable to the Project according to ASCE 7, "Minimum Design Loads for Buildings and Other Structures": Section 6.5, "Method 2-Analytical Procedure," based on mean roof heights above grade indicated on Drawings.
    a. Basic Wind Speed: 119 mph.
    b. Importance Factor: 1.15.
    c. Exposure Category: C.
    d. For monolithic-glass lites heat treated to resist wind loads.
    e. For insulating glass.

C. Thermal Movements: Provide glazing that allows for thermal movements resulting from ambient and surface temperatures changes acting on glass framing members and glazing components.

D. Thermal and Optical Performance Properties: Provide glass with performance properties specified based on manufacturer's published test data, as determined according to procedures indicated below:
1. For monolithic-glass lites, properties are based on units with lites 1/4 inch (6.0 mm) thick.
2. For insulating-glass units, properties are based on units of thickness indicated for overall unit and for each lite.
3. Center-of-Glass Values: Based on using LBL-44789 WINDOW 5.0 computer program for the following methodologies:
    a. U-Factors: NFRC 100 expressed as Btu/ sq.per h per degree F.
    b. Solar Heat Gain Coefficient: NFRC 200.
    c. Solar Optical Properties: NFRC 300.

1.06 SUBMITTALS

A. Submit under provisions of Section 01 30 00.

B. Product Data: For each glass product and glazing material indicated.

C. Verification Samples: For the following products, in the form of 12 inch (305 mm) square samples for insulating glass units.

D. Glazing Schedule: Use same designations indicated on Drawings for glazed openings in preparing a schedule listing glass types and thicknesses for each size opening and location.

E. Product Certificates: Signed by manufacturers of glass and glazing products certifying that products furnished comply with requirements.
1. For solar-control low-e-coated glass, provide documentation demonstrating that manufacturer of coated glass is certified by coating manufacturer.

F. Qualification Data: For installers.

G. Product Test Reports: For each of the following types of glazing products:
1. Tinted float glass.
2. Coated float glass.
3. Insulating glass.

H. Warranties: Special warranties specified in this Section.

1.07 QUALITY ASSURANCE

A. Sustainable Design Certification: Glass shall be Cradle to Cradle certified, minimum Silver Level, by McDonough Braungart Design Chemistry, LLC.

B. Fabricator Qualifications: PPG Certified Fabricator Network, as acceptable to the manufacturer.

C. Installer Qualifications: An experienced installer who has completed glazing similar in material, design, and extent to that indicated for this Project; whose work has resulted in glass installations with a record of successful in-service performance; and who employs glass installers for this Project who are certified under the National Glass Association Glazier Certification Program as Level 2 (Senior Glaziers) or Level 3 (Master Glaziers).

D. Source Limitations for Glass: Obtain the following through one source from a single manufacturer for each glass type: clear float glass, coated float glass and insulating glass.

E. Glass Product Testing: Obtain glass test results for product test reports in "Submittals" Article from a qualified independent testing agency accredited according to the NFRC CAP 1 Certification Agency Program.

F. Glazing Publications: Comply with published recommendations of glass product manufacturers and industry organizations, including but not limited to those below, unless more stringent requirements are indicated. Refer to these publications for glazing terms not otherwise defined in this Section or in referenced standards.
   1. IGMA Publication for Insulating Glass: SIGMA TM-3000, "Glazing Guidelines for Sealed Insulating Glass Units."
   2. GANA Publications: "Laminated Glazing Reference Manual"; "Glazing Manual."
   3. AAMA: "Sloped Glazing Guidelines."
   4. IGMA: "Guidelines for Sloped Glazing."

G. Insulating-Glass Certification Program: Permanently marked either on spacers or on at least one component lite of units with appropriate certification label of the following testing and inspecting agency:
   1. Insulating Glass Certification Council.
   2. Associated Laboratories, Inc.

H. Safety Glazing Products: Comply with testing requirements in 16 CFR 1201 and, for wired glass, ANSI Z97.1.
   1. Subject to compliance with requirements, obtain safety glazing products permanently marked with certification label of the Safety Glazing Certification Council or another certification agency acceptable to authorities having jurisdiction.
   2. Lites more than 9 square feet (sf) (0.84 sq. m) in area are required to be Category II materials.

1.08 DELIVERY, STORAGE, AND HANDLING

A. Protect glazing materials according to manufacturer's written instructions and as needed to prevent damage to glass and glazing materials from condensation, temperature changes, direct exposure to sun, or other causes.

B. For insulating-glass units that will be exposed to substantial altitude changes, comply with insulating-glass manufacturer's written recommendations for venting and sealing to avoid hermetic seal ruptures.

1.09 WARRANTY

A. Manufacturer's Warranty for Coated-Glass Products: Manufacturer's standard form, made out to the glass fabricator in which the coated glass manufacturer agrees to replace coated glass units that deteriorates during normal use within the specified warranty period. Deterioration of the coated glass is defined as peeling and/or cracking, or discoloration that is not attributed to glass breakage, seal failure, improper installation, or cleaning and maintenance that is contrary to the manufacturer's written instructions.
   1. Warranty Period: 10 years from date of Substantial Completion.

B. Manufacturer's Warranty on Insulating Glass: Manufacturer's standard form in which the insulating glass unit manufacturer agrees to replace insulating-glass units that deteriorate during normal use within the specified warranty period. Deterioration of insulating glass units is defined as an obstruction of vision by dust, moisture, or a film on the interior surfaces of the glass caused by a failure of the hermetic seal that is not attributed to glass breakage, improper installation, or cleaning and maintenance that is contrary to the manufacturer's written instructions.
   1. Warranty Period: 10 years from date of Substantial Completion.

C. Manufacturer's Warranty on Laminated Glass: Manufacturer's standard form in which the laminated glass manufacturer agrees to replace laminated glass units that deteriorate during normal use within the specified warranty period. Deterioration of laminated glass is defined as defects, such as discoloration, edge separation, or blemishes exceeding those allowed by ASTM C 1172 that are not attributed to glass breakage, improper installation, or cleaning and maintenance that is contrary to the manufacturer's written instructions.
   1. Warranty Period: 10 years from date of Substantial Completion.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Acceptable Manufacturer: PPG Industries, Inc., Glass Group, which is located at: Glass Business and Discovery Center 400 Guys Run Rd. ; Pittsburgh, PA 15024; Toll Free Tel: 800-377-5267; Email: request info (ideascapes@ppg.com) Web: www.ppgideascapes.com
   1. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00.

2.02 GLASS PRODUCTS

A. Annealed Float Glass: ASTM C 1036, Type I (transparent flat glass), Quality-Q3; of class indicated.

B. Heat-Treated Float Glass: ASTM C 1048; Type I (transparent flat glass); Quality-Q3; of class, kind, and condition indicated.
   1. Fabrication Process: By horizontal (roller-hearth) process with roll-wave distortion parallel to bottom edge of glass as installed, unless otherwise indicated.
   2. Provide Kind HS (heat-strengthened) float glass in place of annealed float glass where needed to resist thermal stresses induced by differential shading of individual glass lites and to comply with glass design requirements specified in Part 1 "Performance Requirements" Article.
   3. For uncoated glass, comply with requirements for Condition A.
   4. For coated vision glass, comply with requirements for Condition C (other uncoated glass).
   5. Provide Kind FT (fully tempered) float glass in place of annealed or Kind HS (heat-strengthened) float glass where safety glass is indicated or required.

C. Pyrolitic-Coated Float Glass: ASTM C 1376, float glass with metallic-oxide coating applied by pyrolitic deposition process during initial manufacture, and complying with other requirements specified.

D. Sputter-Coated Float Glass: ASTM C 1376, float glass with metallic-oxide or -nitride coating deposited by vacuum deposition process after manufacture and heat treatment (if any), and complying with other requirements specified.

E. Tempered Patterned Glass: ASTM C 1048, Kind FT (fully tempered), Type II (patterned flat glass), Class 1 (clear), Form 3 (patterned); and of quality, finish, and pattern specified.

F. Insulating-Glass Units, General: Factory-assembled units consisting of sealed lites of glass separated by a dehydrated interspace, and complying with ASTM E 774 for Class CBA units and with requirements specified in this Article and in Part 2 "Insulating-Glass Units" Article.
   1. Provide Kind HS (heat-strengthened) float glass in place of annealed glass where needed to resist thermal stresses induced by differential shading of individual glass lites and to comply with glass design requirements specified in Part 1 "Performance Requirements" Article.
   2. Provide Kind FT (fully tempered) glass lites where safety glass is indicated or required.
   3. Overall Unit Thickness and Thickness of Each Lite: Dimensions indicated for insulating-glass units are nominal and the overall thicknesses of units are measured perpendicularly from outer surfaces of glass lites at unit's edge.
   4. Sealing System: Comply with requirements in Section 07920 - Joint Sealants. Dual seal, with primary and secondary sealants of polyisobutylene and silicone.
   5. Spacer Specifications: Manufacturer's standard spacer material and construction complying with the following requirements:
   6. Spacer Material: Aluminum with mill or clear anodic finish.
   7. Desiccant: Molecular sieve or silica gel, or blend of both.
   8. Corner Construction: Manufacturer's standard corner construction.

2.03 FABRICATION OF GLAZING UNITS

A. Fabricate glazing units in sizes required to glaze openings indicated for Project, with edge and face clearances, edge and surface conditions, and bite complying with written instructions of product manufacturer and referenced glazing publications, to comply with system performance requirements.

2.04 TYPE A - MONOLITHIC (SINGLE-GLAZED) FLOAT-GLASS UNITS

A. Uncoated Clear Float Glass Units:

1. Class 1 (clear) float glass, 1/4 inch thickness.
   a. Annealed.
   b. Kind HS (heat strengthened) where required.
   c. Kind FT (fully tempered).

2.05 TYPE B - UNCOATED INSULATING GLASS

A. Type: Clear Insulating Glass. Clear color, low-reflective outdoor appearance.
   1. Product: Clear + Clear by PPG Industries, Inc.
   2. Insulating Unit Construction: 1/4 inch (6mm) clear glass + 1/2 inch (13mm) air space + 1/4 inch (6mm) clear glass.
   3. Performance Values: Visible Light Transmission - 79 percent; SHGC - 0.70; Shading Coefficient - 0.81; Outdoor Visible Light Reflectance - 15 percent.
   4. Heat Transfer Coefficient: U-Value Winter - 0.47, U-Value Summer - 0.50.

2.06 TYPE C - REFLECTIVE LOW E INSULATING GLASS

A. Type: Reflective Tinted Solar Control Low-E Insulating Glass. Subtly Reflective Gray outdoor appearance.
   1. Product: "Vistacool™" (2) "Solargray®" + "Solarban®" 60 (3) Clear by PPG Industries, Inc.
   2. Insulating Unit Construction: 1/4 inch (6mm) "Solargray" Glass, "Vistacool" (Pyrolitic) on second surface (2), + 1/2 inch (13mm) air space + 1/4 inch (6mm) Clear Float Glass, Low-E Coating "Solarban" 60 Solar Control (Sputtered) on third surface (3).
   3. Performance Values: Visible Light Transmission - 27 percent; SHGC - 0.24; Shading Coefficient - 0.28; Outdoor Visible Light Reflectance - 11 percent.
   4. Heat Transfer Coefficient: U-Value Winter - 0.29, U-Value Summer - 0.27.

PART 3 EXECUTION

3.01 INSTALLATION

A. Refer to Section 08800 - Glazing for installation requirements.

END OF SECTION

SECTION 09 21 16
GYPSUM BOARD ASSEMBLIES

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Performance criteria for gypsum board assemblies.

B. Metal stud wall framing.

C. Metal channel ceiling framing.

D. Acoustic insulation.

E. Gypsum sheathing.

F. Gypsum wallboard.

G. Joint treatment and accessories.

H. Textured finish system.

1.02 RELATED REQUIREMENTS

A. Section 06 10 00 - Rough Carpentry: Wood blocking product and execution requirements.

1.03 REFERENCE STANDARDS

A. AISI SG02-1 - North American Specification for the Design of Cold-Formed Steel Structural Members; American Iron and Steel Institute; 2001 with 2004 supplement. (replaced SG-971)

B. ASTM C475/C475M - Standard Specification for Joint Compound and Joint Tape for Finishing Gypsum Board; 2002 (Reapproved 2007).

C. ASTM C645 - Standard Specification for Nonstructural Steel Framing Members; 2011a.

D. ASTM C665 - Standard Specification for Mineral-Fiber Blanket Thermal Insulation for Light Frame Construction and Manufactured Housing; 2012.

E. ASTM C754 - Standard Specification for Installation of Steel Framing Members to Receive Screw-Attached Gypsum Panel Products; 2011.

F. ASTM C840 - Standard Specification for Application and Finishing of Gypsum Board; 2011.

G. ASTM C954 - Standard Specification for Steel Drill Screws for the Application of Gypsum Panel Products or Metal Plaster Bases to Steel Studs From 0.033 in. (0.84 mm) to 0.112 in. (2.84 mm) in Thickness; 2011.

H. ASTM C1002 - Standard Specification for Steel Self-Piercing Tapping Screws for the Application of Gypsum Panel Products or Metal Plaster Bases to Wood Studs or Steel Studs; 2007.

I. ASTM C1047 - Standard Specification for Accessories for Gypsum Wallboard and Gypsum Veneer Base; 2010a.

J. ASTM C1177/C1177M - Standard Specification for Glass Mat Gypsum Substrate for Use as Sheathing; 2008.

K. ASTM C1280 - Standard Specification for Application of Gypsum Sheathing; 2012.

L. ASTM C1396/C1396M - Standard Specification for Gypsum Board; 2011.

M. ASTM D3273 - Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber; 2012.

N. ASTM E90 - Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements; 2009.

O. ASTM E413 - Classification for Rating Sound Insulation; 2010.

P. GA-216 - Application and Finishing of Gypsum Board; Gypsum Association; 2010.

Q. ICC (IBC) - International Building Code; 2012.

1.04 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

B. Shop Drawings: Indicate special details associated with fireproofing and acoustic seals.

C. Product Data: Provide data on metal framing, gypsum board, accessories, and joint finishing system.

D. Product Data: Provide manufacturer's data on partition head to structure connectors, showing compliance with requirements.

E. Test Reports: For all stud framing products that do not comply with ASTM C645 or C 754, provide independent laboratory reports showing maximum stud heights at required spacings and deflections.

F. Samples: Submit two samples of predecorated gypsum board, 12 by 12 inches in size, illustrating finish color and texture.

G. Samples: Submit two samples of gypsum board finished with proposed texture application, 12 by 12 inches in size, illustrating finish color and texture.

1.05 QUALITY ASSURANCE

A. Installer Qualifications: Company specializing in performing gypsum board application and finishing, with minimum five years of documented experience.

B. Copies of Documents at Site: Maintain at the project site a copy of each referenced document that prescribes execution requirements.

PART 2 PRODUCTS

2.01 GYPSUM BOARD ASSEMBLIES

A. Provide completed assemblies complying with ASTM C840 and GA-216.

B. Interior Partitions Indicated as Acoustic: Provide completed assemblies with the following characteristics:
   1. Acoustic Attenuation: STC of 45-49 calculated in accordance with ASTM E413, based on tests conducted in accordance with ASTM E90.

C. Fire Rated Assemblies: Provide completed assemblies with the following characteristics:
   1. Fire Rated Partitions: IBC Table 720.1(2) Item _____; ___ hour rating.
   2. ICC IBC Item Numbers: Comply with applicable requirements of ICC IBC for the particular assembly.

2.02 METAL FRAMING MATERIALS

A. Manufacturers - Metal Framing, Connectors, and Accessories:
   1. Clarkwestern Dietrich Building Systems LLC: www.clarkdietrich.com.
   2. Substitutions: See Section 01 60 00 - Product Requirements.

B. Non-Loadbearing Framing System Components: ASTM C645; galvanized sheet steel, of size and properties necessary to comply with ASTM C754 for the spacing indicated, with maximum deflection of wall framing of L/240 at 5 psf.
   1. Studs: "C" shaped with flat or formed webs with knurled faces.
   2. Runners: U shaped, sized to match studs.
   3. Ceiling Channels: C shaped.
   4. Furring: Hat-shaped sections, minimum depth of 7/8 inch.

C. Ceiling Hangers: Type and size as specified in ASTM C754 for spacing required.

D. Partition Head To Structure Connections: Provide track fastened to structure with legs of sufficient length to accommodate deflection, for friction fit of studs cut short and fastened as indicated on drawings.

2.03 BOARD MATERIALS

A. Manufacturers - Gypsum-Based Board:
   1. CertainTeed Corporation: www.certainteed.com.
   2. Georgia-Pacific Gypsum: www.gpgypsum.com.
   3. National Gypsum Company: www.nationalgypsum.com.
   4. Temple-Inland Inc: www.templeinland.com.

5. USG Corporation: www.usg.com.

B. Gypsum Wallboard: Paper-faced gypsum panels as defined in ASTM C1396/C1396M; sizes to minimize joints in place; ends square cut.
   1. Application: Use for vertical surfaces and ceilings, unless otherwise indicated.
   2. At Assemblies Indicated with Fire-Rating: Use type required by indicated tested assembly; if no tested assembly is indicated, use Type X board, UL or WH listed.
   3. Thickness:
      a. Vertical Surfaces: 5/8 inch.
   4. Paper-Faced Products:
      a. CertainTeed Corporation; ProRoc Brand Gypsum Board.
      b. Georgia-Pacific Gypsum; ToughRock, ToughRock Fireguard, and ToughRock FireGuard C Gypsum Wallboard.
      c. National Gypsum Company; Gold Bond Brand Gypsum Wallboard.
      d. Temple-Inland Inc; Gypsumboard and Gypsum Board Fire Resistant Panels Type X and Type TGC.
      e. USG Corporation; Sheetrock Brand Gypsum Panels.
   5. Mold-Resistant Paper-Faced Products:
      a. CertainTeed Corporation; ProRoc Brand Moisture & Mold Resistant Gypsum Board.
      b. National Gypsum Company; Gold Bond Brand XP Gypsum Board.
      c. Temple-Inland Inc; ComfortGuard Mold Resistant Gypsum Board.
      d. USG Corporation; Sheetrock Brand Mold Tough Gypsum Panels.

C. Backing Board For Wet Areas: One of the following products:
   1. Application: Surfaces behind tile in wet areas including tub and shower surrounds and shower ceilings.
   2. Mold Resistance: Score of 10, when tested in accordance with ASTM D3273.
   3. Glass-Mat-Faced Board: Coated glass mat water-resistant gypsum backing panel as defined in ASTM C1178.
      a. Standard Type: Thickness 1/2 inch.
      b. Fire-Resistant Type: Type X core, thickness 5/8 inch.
      c. Products:
         1) Georgia-Pacific Gypsum; DensShield Tile Backer.
         2) National Gypsum Company; Gold Bond eXP Tile Backer.
         3) Temple-Inland Inc; GreenGlass Tile Backer.
         4) Substitutions: See Section 01 60 00 - Product Requirements.

D. Ceiling Board: Special sag-resistant gypsum ceiling board as defined in ASTM C1396/C1396M; sizes to minimize joints in place; ends square cut.
   1. Application: Ceilings, unless otherwise indicated.
   2. Thickness: 1/2 inch.
   3. Edges: Tapered.
   4. Products:
      a. CertainTeed Corporation; ProRoc Interior Ceiling.
      b. National Gypsum Company; High Strength Brand Ceiling Board.
      c. Temple-Inland Inc; Span24 Ceiling Board.
      d. USG Corporation; Sheetrock Brand Sag-Resistant Interior Gypsum Ceiling Board.
      e. Substitutions: See Section 01 60 00 - Product Requirements.

E. Exterior Sheathing Board: Sizes to minimize joints in place; ends square cut.
   1. Application: Exterior sheathing, unless otherwise indicated.
   2. Mold Resistance: Score of 10, when tested in accordance with ASTM D3273.
   3. Glass-Mat-Faced Sheathing: Glass mat faced gypsum substrate as defined in ASTM C1177/C1177M.
   4. Core Type: Type X.
   5. Type X Thickness: 5/8 inch.
   6. Edges: Square, for vertical application.
   7. Glass-Mat-Faced Products:
      a. CertainTeed Corporation; GlasRoc Brand.

b. Georgia-Pacific Gypsum; DensGlass Sheathing.
c. National Gypsum Company; Gold Bond Brand eXP Extended Exposure Sheathing.

2.04 ACCESSORIES

A. Acoustic Insulation: ASTM C665; preformed glass fiber, friction fit type, unfaced.

B. Acoustic Sealant: Non-hardening, non-skinning, for use in conjunction with gypsum board.

C. Water-Resistive Barrier: As specified in Section 07 25 00.

D. Finishing Accessories: ASTM C1047, galvanized steel or rolled zinc, unless otherwise indicated.
   1. Types: As detailed or required for finished appearance.

E. Joint Materials: ASTM C475 and as recommended by gypsum board manufacturer for project conditions.
   1. Tape: 2 inch wide, coated glass fiber tape for joints and corners, except as otherwise indicated.
   2. Tape: 2 inch wide, creased paper tape for joints and corners, except as otherwise indicated.
   3. Ready-mixed vinyl-based joint compound.

F. Textured Finish Materials: Latex-based compound; plain.

G. Screws for Attachment to Steel Members Less Than 0.03 inch In Thickness, to Wood Members, and to Gypsum Board: ASTM C1002; self-piercing tapping type; cadmium-plated for exterior locations.

H. Screws for Attachment to Steel Members From 0.033 to 0.112 inch in Thickness: ASTM C954; steel drill screws for application of gypsum board to loadbearing steel studs.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that project conditions are appropriate for work of this section to commence.

3.02 FRAMING INSTALLATION

A. Metal Framing: Install in accordance with ASTM C754 and manufacturer's instructions.

B. Suspended Ceilings and Soffits: Space framing and furring members as indicated.

C. Studs: Space studs as permitted by standard.
   1. Extend partition framing to structure where indicated and to ceiling in other locations.
   2. Partitions Terminating at Ceiling: Attach ceiling runner securely to ceiling track in accordance with manufacturer's instructions.
   3. Partitions Terminating at Structure: Attach extended leg top runner to structure, maintain clearance between top of studs and structure, and brace both flanges of studs with continuous bridging.

D. Openings: Reinforce openings as required for weight of doors or operable panels, using not less than double studs at jambs.

3.03 ACOUSTIC ACCESSORIES INSTALLATION

A. Acoustic Insulation: Place tightly within spaces, around cut openings, behind and around electrical and mechanical items within partitions, and tight to items passing through partitions.

B. Acoustic Sealant: Install in accordance with manufacturer's instructions.

3.04 BOARD INSTALLATION

A. Comply with ASTM C 840, GA-216, and manufacturer's instructions. Install to minimize butt end joints, especially in highly visible locations.

B. Single-Layer Non-Rated: Install gypsum board in most economical direction, with ends and edges occurring over firm bearing.

C. Fire-Rated Construction: Install gypsum board in strict compliance with requirements of assembly listing.

D. Exterior Sheathing: Comply with ASTM C1280. Install sheathing vertically, with edges butted tight and ends occurring over firm bearing.
   1. Paper-Faced Sheathing: Immediately after installation, protect from weather by application of water-resistive barrier.

E. Installation on Metal Framing: Use screws for attachment of all gypsum board except face layer of non-rated double-layer assemblies, which may be installed by means of adhesive lamination.

3.05 INSTALLATION OF TRIM AND ACCESSORIES

A. Control Joints: Place control joints consistent with lines of building spaces and as indicated.
   1. Not more than 30 feet apart on walls and ceilings over 50 feet long.

B. Corner Beads: Install at external corners, using longest practical lengths.

C. Edge Trim: Install at locations where gypsum board abuts dissimilar materials and as indicated.

3.06 JOINT TREATMENT

A. Paper Faced Gypsum Board: Use paper joint tape, bedded with ready-mixed vinyl-based joint compound and finished with ready-mixed vinyl-based joint compound.

B. Finish gypsum board in accordance with levels defined in ASTM C840, as follows:
   1. Level 4: Walls and ceilings to receive paint finish or wall coverings, unless otherwise indicated.
   2. Level 1: Fire rated wall areas above finished ceilings, whether or not accessible in the completed construction.

C. Tape, fill, and sand exposed joints, edges, and corners to produce smooth surface ready to receive finishes.
   1. Feather coats of joint compound so that camber is maximum 1/32 inch.

3.07 TEXTURE FINISH

A. Apply finish texture coating by means of spraying apparatus in accordance with manufacturer's instructions and to match approved sample.

3.08 TOLERANCES

A. Maximum Variation of Finished Gypsum Board Surface from True Flatness: 1/8 inch in 10 feet in any direction.

END OF SECTION

SECTION 09 30 00
TILING

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Tile for floor applications.

B. Tile for wall applications.

C. Coated glass mat backer board as tile substrate.

D. Stone thresholds.

E. Ceramic accessories.

F. Ceramic trim.

1.02 RELATED REQUIREMENTS

A. Section 07 14 00 - Fluid-Applied Waterproofing.

B. Section 07 92 00 - Joint Sealers.

1.03 REFERENCE STANDARDS

A. ANSI A108 Series/A118 Series/A136.1 - American National Standard Specifications for the Installation of Ceramic Tile (Compendium); 2012.1.
   1. ANSI A108.1b - American National Standard Specifications for Installation of Ceramic Tile on a Cured Portland Cement Mortar Setting Bed with Dry-Set or Latex Portland Cement Mortar; 2012.1.
   2. ANSI A108.1c - Specifications for Contractors Option: Installation of Ceramic Tile in the Wet-Set Method with Portland Cement Mortar or Installation of Ceramic Tile on a Cured Portland Cement Mortar Bed with Dry-Set or Latex Portland Cement
   3. ANSI A108.4 - American National Standard Specifications for Installation of Ceramic Tile with Organic Adhesives or Water Cleanable Tile-Setting Epoxy Adhesive; 2012.1.
   4. ANSI A108.5 - American National Standard Specifications for Installation of Ceramic Tile with Dry-Set Portland Cement Mortar or Latex-Portland Cement Mortar; 2012.1.
   5. ANSI A108.6 - American National Standard Specifications for Installation of Ceramic Tile with Chemical Resistant, Water Cleanable Tile-Setting and -Grouting Epoxy; 2012.1.
   6. ANSI A108.8 - American National Standard Specifications for Installation of Ceramic Tile with Chemical Resistant Furan Resin Mortar and Grout; 2012.1.
   7. ANSI A108.9 - American National Standard Specifications for Installation of Ceramic Tile with Modified Epoxy Emulsion Mortar/Grout; 2012.1.
   8. ANSI A108.10 - American National Standard Specifications for Installation of Grout in Tilework; 2012.1.
   9. ANSI A108.11 - American National Standard for Interior Installation of Cementitious Backer Units; 2012.1.
   10. ANSI A108.12 - American National Standard for Installation of Ceramic Tile with EGP (Exterior glue plywood) Latex-Portland Cement Mortar; 2012.1.
   11. ANSI A108.13 - American National Standard for Installation of Load Bearing, Bonded, Waterproof Membranes for Thin-Set Ceramic Tile and Dimension Stone; 2012.1.
   12. ANSI A118.1 - American National Standard Specifications for Dry-Set Portland Cement Mortar; 2012.1.
   13. ANSI A118.3 - American National Standard Specifications for Chemical Resistant, Water Cleanable Tile Setting and -Grouting Epoxy and Water Cleanable Tile-Setting Epoxy Adhesive; 2012.1.
   14. ANSI A118.4 - American National Standard Specifications for Latex-Portland Cement Mortar; 2012.1.
   15. ANSI A118.6 - American National Standard Specifications for Standard Cement Grouts for Tile Installation; 2012.1.
   16. ANSI A118.7 - American National Standard Specifications for Polymer Modified Cement Grouts for Tile Installation; 2012.1.
   17. ANSI A118.8 - American National Standard Specifications for Modified Epoxy Emulsion Mortar/Grout; 2012.1.

18. ANSI A118.9 - American National Standard Specifications for Test Methods and Specifications for Cementitious Backer Units; 2012.1.
19. ANSI A118.11 - American National Standard Specifications for EGP (Exterior glue plywood) Latex-Portland Cement Mortar; 2012.1.
20. ANSI A137.1 - American National Standard Specifications for Ceramic Tile; 2012.

B. ASTM C847 - Standard Specification for Metal Lath; 2012.

C. ASTM C1178/C1178M - Standard Specification for Coated Glass Mat Water-Resistant Gypsum Backing Panel; 2011.

D. TCNA (HB) - Handbook for Ceramic, Glass, and Stone Tile Installation; 2012.

1.04 ADMINISTRATIVE REQUIREMENTS

A. Preinstallation Meeting: Convene a preinstallation meeting one week before starting work of this section; require attendance by all affected installers.

B. Refer to architectural drawings sheets for tile locations and patterns.

1.05 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures. Submittal shall be issued to the Architect for review immediately as not to delay ordering and delivery of material. Contractor must verify that all colors and materials is available and ordering must not delay installation.

B. Product Data: Provide manufacturers' data sheets on tile, mortar, grout, and accessories. Include instructions for using grouts and adhesives.

C. Shop Drawings: Indicate tile layout, patterns, and color arrangement.

D. Samples: Mount tile and apply grout on two plywood panels, minimum 18 x 18 inches in size illustrating pattern, color variations, and grout joint size variations.

E. Maintenance Data: Include recommended cleaning methods, cleaning materials, stain removal methods, and polishes and waxes.

F. Maintenance Materials: Furnish the following for County of Hidalgo's use in maintenance of project.
1. See Section 01 60 00 - Product Requirements, for additional provisions.
2. Extra Tile: 1 percent of each size, color, and surface finish combination, but not less than _____ of each type.

1.06 QUALITY ASSURANCE

A. Maintain one copy of The Tile Council of North America Handbook and ANSI A108 Series/A118 Series on site.

B. Manufacturer Qualifications: Company specializing in manufacturing the types of products specified in this section, with minimum 5 years of documented experience.

1.07 MOCK-UP

A. See Section 01 40 00 - Quality Requirements, for general requirements for mock-up.

B. Construct tile mock-up where indicated on the drawings, incorporating all components specified for the location.
1. Minimum size of mock-up: 48" x 48".
2. Approved mock-up may remain as part of the Work.

1.08 DELIVERY, STORAGE, AND HANDLING

A. Protect adhesives from freezing or overheating in accordance with manufacturer's instructions.

1.09 FIELD CONDITIONS

A. Do not install solvent-based products in an unventilated environment.

B. Maintain ambient and substrate temperature of 50 degrees F during installation of mortar materials.

PART 2 PRODUCTS

2.01 TILE

A. ANSI Ceramic Tile Standard: Provide Standard grade tile that complies with ANSI A137.1 for types, compositions, and other characteristics indicated.

B. FloorScore Compliance: Tile for floors shall comply with requirements of FloorScore Standard.

C. Manufacturers:
   1. American Olean: www.americanolean.com.
   2. Basis of Design: Dal-Tile Corporation: www.daltile.com.
   3. Interceramic, Inc.: www.interceramic.com
   4. Substitutions: See Section 01 60 00 - Product Requirements.

D. Colors:
   1. Daltile:
      a. Refer to Finish Schedules
   2. Other manufacturers tiles must submit cross-reference colors for approval.

2.02 TRIM AND ACCESSORIES

A. Ceramic Accessories: Provide tile trim & accessories that match color & finish of adjoining flat tile unless noted otherwise.

B. Ceramic Trim: Matching bullnose, double bullnose, cove base, and cove ceramic shapes in sizes coordinated with field tile.
   1. Installer must order tile on schedule to allow for long lead on tile product due to special shapes and color.
   2. Applications: Use in the following locations:
      a. Open Edges: Bullnose.
      b. Inside Corners: Jointed.
      c. Floor to Wall Joints: Cove base.
   3. Manufacturer: Same as for tile.

C. Thresholds: Marble, gray, honed finish; 2 inches wide by full width of wall or frame opening; 1/2 inch thick; beveled one long edge with radiused corners on top side; without holes, cracks, or open seams.
   1. Applications: Provide at the following locations:
      a. At doorways where tile terminates.
      b. At open edges of floor tile where adjacent finish is a different height. Transition must meet ADA guidelines.

2.03 SETTING MATERIALS

A. Provide setting materials made by the same manufacturer as grout.

2.04 ADHESIVE MATERIALS

A. Manufacturers:
   1. Bostik Inc: www.bostik-us.com.
   2. Custom Building Products; : www.custombuildingproducts.com.
   3. Substitutions: See Section 01 60 00 - Product Requirements.

B. Epoxy Adhesive: ANSI A118.3,, thinset bond type.

2.05 MORTAR MATERIALS

A. Manufacturers:
   1. Bonsal American, Inc; : www.prospec.com.
   2. Bostik Inc: www.bostik-us.com.
   3. Custom Building Products: www.custombuildingproducts.com.
   4. Substitutions: See Section 01 60 00 - Product Requirements.

B. Mortar Bond Coat Materials:
   1. Dry-Set Portland Cement type: ANSI A118.1.
   2. Latex-Portland Cement type: ANSI A118.4.

3. Epoxy: ANSI A118.3.

C. Refer to manufacturer for requirements and installation for each type of tile specified.

2.06 GROUTS

A. Manufacturers:
1. Bonsal American, Inc; : www.prospec.com.
2. Bostik Inc: www.bostik-us.com.
3. Custom Building Products; : www.custombuildingproducts.com.
4. LATICRETE International, Inc; LATICRETE SpectraLOCK PRO Premium Grout: www.laticrete.com.
5. Substitutions: See Section 01 60 00 - Product Requirements.

B. Standard Grout: Any type specified in ANSI A118.6 or A118.7.
1. Colors: To be selected by ERO Architects from manufacturer's standard range.

C. Expoxy Grout: ANSI A118.5, modified epoxy emulsion grout, full range color as selected; use floor applications.
.

D. Refer to manufacturer for requirements and installation for each type of tile specified.

2.07 THIN-SET ACCESSORY MATERIALS

A. Uncoupling Membrane: 1/8 inch thick polyurethane matting with three-dimensional grid structure with dovetail shaped cavities and fleece webbing laminated to the underside to provide a mechanical bond to the substrate adhesive (DITRA).

B. Mesh Tape: 2-inch wide self-adhesive fiberglass mesh tape.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that sub-floor surfaces are smooth and flat within the tolerances specified for that type of work and are ready to receive tile.

B. Verify that wall surfaces are smooth and flat within the tolerances specified for that type of work, are dust-free, and are ready to receive tile.

C. Verify that concrete sub-floor surfaces are ready for tile installation by testing for moisture emission rate and alkalinity; obtain instructions if test results are not within limits recommended by tile manufacturer and setting materials manufacturer.

D. Verify that concrete sub-floor surfaces are ready for tile installation by testing for moisture emission rate and alkalinity; obtain instructions if test results are not within the following limits:
1. Moisture emission rate: Not greater than 3 lb per 1000 sq ft per 24 hours when tested using calcium chloride moisture test kit for 72 hours.
2. Alkalinity: pH range of 5-9.

E. Verify that required floor-mounted utilities are in correct location.

3.02 PREPARATION

A. Protect surrounding work from damage.

B. Vacuum clean surfaces and damp clean.

C. Seal substrate surface cracks with filler. Level existing substrate surfaces to acceptable flatness tolerances.

D. Install cementitious backer board in accordance with ANSI A108.11 and board manufacturer's instructions. Tape joints and corners, cover with skim coat of dry-set mortar to a feather edge.

E. Install tile backer board in strict accordance with manufacturer's instructions, using galvanized roofing nails or corrosion-resistant bugle head drywall screws. Bed fiberglass self-adhesive tape at all joints and corners with material used to set tiles.

F. Prepare substrate surfaces for adhesive installation in accordance with adhesive manufacturer's instructions.

3.03 INSTALLATION - GENERAL

A. Install tile, thresholds, and stair treads and grout in accordance with applicable requirements of ANSI A108.1 through A108.13, manufacturer's instructions, and The Tile Council of North America Handbook recommendations.

B. Lay tile to pattern indicated. Do not interrupt tile pattern through openings.

C. Cut and fit tile to penetrations through tile, leaving sealant joint space. Form corners and bases neatly. Align floor joints.

D. Place tile joints uniform in width, subject to variance in tolerance allowed in tile size. Make grout joints without voids, cracks, excess mortar or excess grout, or too little grout.

E. Form internal angles square and external angles bullnosed.

F. Install ceramic accessories rigidly in prepared openings.

G. Install thresholds where indicated.

H. Sound tile after setting. Replace hollow sounding units.

I. Keep expansion joints free of adhesive or grout. Apply sealant to joints.

J. Prior to grouting, allow installation to completely cure; minimum of 48 hours.

K. Grout tile joints. Use standard grout unless otherwise indicated.

L. Apply sealant to junction of tile and dissimilar materials and junction of dissimilar planes.

3.04 INSTALLATION - FLOORS - THIN-SET METHODS

A. Over interior concrete substrates, install in accordance with The Tile Council of North America Handbook Method F113, dry-set or latex-Portland cement bond coat, with standard grout, unless otherwise indicated.
   1. Use uncoupling membrane under all tile unless other underlayment is indicated.
   2. Where waterproofing membrane is indicated, install in accordance with The Tile Council of North America Handbook Method F122, with latex-Portland cement grout.
   3. Where epoxy bond coat and grout are indicated, install in accordance with The Tile Council of North America Handbook Method F131.

3.05 INSTALLATION - WALL TILE

A. Over coated glass mat backer board, install in accordance with The Tile Council of North America Handbook Method W245.

B. Over interior concrete and masonry install in accordance with The Tile Council of North America Handbook Method W202, thin-set with dry-set or latex-Portland cement bond coat.

3.06 CLEANING

A. Clean tile and grout surfaces.

3.07 PROTECTION

A. Do not permit traffic over finished floor surface for 4 days after installation.

END OF SECTION

SECTION 09 51 00
ACOUSTICAL CEILINGS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Suspended metal grid ceiling system.

B. Acoustical units.

C. Supplementary acoustical insulation above ceiling.

1.02 REFERENCE STANDARDS

A. ASTM C635 - Standard Specification for the Manufacture, Performance, and Testing of Metal Suspension Systems for Acoustical Tile and Lay-in Panel Ceilings; 2007.

B. ASTM E1264 - Standard Classification for Acoustical Ceiling Products; 2008e1.

C. UL (FRD) - Fire Resistance Directory; Underwriters Laboratories Inc.; current edition.

1.03 ADMINISTRATIVE REQUIREMENTS

A. Sequence work to ensure acoustical ceilings are not installed until building is enclosed, sufficient heat is provided, dust generating activities have terminated, and overhead work is completed, tested, and approved.

B. Do not install acoustical units until after interior wet work is dry.

1.04 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

B. Shop Drawings: Indicate grid layout and related dimensioning.

C. Product Data: Provide data on suspension system components.

D. Maintenance Materials: Furnish the following for County of Hidalgo's use in maintenance of project.
   1. See Section 01 60 00 - Product Requirements, for additional provisions.
   2. Extra Acoustical Units: Quantity equal to 5 percent of total installed.

1.05 QUALITY ASSURANCE

A. Fire-Resistive Assemblies: Complete assembly listed and classified by UL for the fire resistance indicated.

1.06 FIELD CONDITIONS

A. Maintain uniform temperature of minimum 60 degrees F, and maximum humidity of 40 percent prior to, during, and after acoustical unit installation.

PART 2 PRODUCTS

2.01 ACOUSTICAL UNITS

A. Manufacturers:
   1. Armstrong World Industries, Inc; Product school zone: www.armstrong.com.
   2. CertainTeed Corporation; Product school board: www.certainteed.com.
   3. USG; Product ____: www.usg.com.
   4. Substitutions: See Section 01 60 00 - Product Requirements.

B. Acoustical Units - General: ASTM E1264, Class A.
   1. Units for Installation in Fire-Rated Suspension System: Listed and classified for the fire-resistive assembly the suspension system is a part of.

2.02 SUSPENSION SYSTEM(S)

A. Manufacturers:
   1. Same as for acoustical units.
   2. Substitutions: See Section 01 60 00 - Product Requirements.

B. Suspension Systems - General: ASTM C635; die cut and interlocking components, with stabilizer bars, clips, splices, perimeter moldings, and hold down clips as required.

2.03 ACCESSORIES

A. Support Channels and Hangers: Galvanized steel; size and type to suit application, seismic requirements, and ceiling system flatness requirement specified.

B. Perimeter Moldings: Same material and finish as grid.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify existing conditions before starting work.

B. Verify that layout of hangers will not interfere with other work.

3.02 INSTALLATION - SUSPENSION SYSTEM

A. Rigidly secure system, including integral mechanical and electrical components, for maximum deflection of 1:360.

B. Install after major above-ceiling work is complete. Coordinate the location of hangers with other work.

C. Hang suspension system independent of walls, columns, ducts, pipes and conduit. Where carrying members are spliced, avoid visible displacement of face plane of adjacent members.

D. Where ducts or other equipment prevent the regular spacing of hangers, reinforce the nearest affected hangers and related carrying channels to span the extra distance.

E. Do not support components on main runners or cross runners if weight causes total dead load to exceed deflection capability.

F. Support fixture loads using supplementary hangers located within 6 inches of each corner, or support components independently.

G. Do not eccentrically load system or induce rotation of runners.

H. Perimeter Molding: Install at intersection of ceiling and vertical surfaces and at junctions with other interruptions.
   1. Use longest practical lengths.
   2. Overlap and rivet corners.

3.03 INSTALLATION - ACOUSTICAL UNITS

A. Install acoustical units in accordance with manufacturer's instructions.

B. Fit acoustical units in place, free from damaged edges or other defects detrimental to appearance and function.

C. Fit border trim neatly against abutting surfaces.

D. Install units after above-ceiling work is complete.

E. Install acoustical units level, in uniform plane, and free from twist, warp, and dents.

F. Cutting Acoustical Units:
   1. Make field cut edges of same profile as factory edges.

G. Install hold-down clips on each panel to retain panels tight to grid system; comply with fire rating requirements.

3.04 TOLERANCES

A. Maximum Variation from Flat and Level Surface: 1/8 inch in 10 feet.

B. Maximum Variation from Plumb of Grid Members Caused by Eccentric Loads: 2 degrees.

END OF SECTION

SECTION 09 65 00
RESILIENT FLOORING

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Resilient tile flooring.

B. Resilient base.

C. Installation accessories.

1.02 RELATED REQUIREMENTS

A. Section 01 61 16 - Volatile Organic Compound (VOC) Content Restrictions.

B. Section 03 30 00 - Cast-in-Place Concrete: Restrictions on curing compounds for concrete slabs and floors.

1.03 REFERENCE STANDARDS

A. ASTM E648 - Standard Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source; 2010e1.

B. ASTM F710 - Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring; 2011.

C. ASTM F1066 - Standard Specification for Vinyl Composition Floor Tile; 2004 (Reapproved 2010)e1.

D. ASTM F1700 - Standard Specification for Solid Vinyl Floor Tile; 2004 (reapproved 2010).

E. ASTM F1861 - Standard Specification for Resilient Wall Base; 2008 (Reapproved 2012).

F. BAAQMD 8-51 - Bay Area Air Quality Management District Regulation 8, Rule 51, Adhesive and Sealant Products; www.baaqmd.gov; 2002.

G. CAL (CHPS LEM) - Low-Emitting Materials Product List; California Collaborative for High Performance Schools (CHPS); current edition at www.chps.net/.

H. GEI (SCH) - GREENGUARD "Children and Schools" Certified Products; GREENGUARD Environmental Institute; current listings at www.greenguard.org.

I. SCAQMD 1168 - South Coast Air Quality Management District Rule No.1168; current edition; www.aqmd.gov.

1.04 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

B. Product Data: Provide data on specified products, describing physical and performance characteristics; including sizes, patterns and colors available; and installation instructions.

C. Concrete Testing Standard: Submit a copy of ASTM F710.

D. Certification: Prior to installation of flooring, submit written certification by flooring manufacturer and adhesive manufacturer that condition of sub-floor is acceptable.

E. Maintenance Data: Include maintenance procedures, recommended maintenance materials, and suggested schedule for cleaning, stripping, and re-waxing.

F. LEED Report: Report recycled content and VOC emission of flooring; VOC content of adhesives.

G. Product Data for Credit IEQ 4.1: For adhesives, documentation including printed statement of VOC content.

H. Maintenance Materials: Furnish the following for County of Hidalgo's use in maintenance of project.
   1. See Section 01 60 00 - Product Requirements, for additional provisions.
   2. Extra Flooring Material: 100 square feet of each type and color.

I. LEED Submittal: Documentation of recycled content and location of manufacture.

1.05 DELIVERY, STORAGE, AND HANDLING

1.06 QUALITY ASSURANCE

A. Fire-Test-Response Characteristics: As determined by testing identical products according to ASTM E 648 or NFPA 253 by a qualified testing agency.

B. Critical Radiant Flux Classification: Class I, not less than 0.45 W/sq. cm..

1.07 FIELD CONDITIONS

A. Maintain temperature in storage area between 55 degrees F and 90 degrees F.

B. Store materials for not less than 48 hours prior to installation in area of installation at a temperature of 70 degrees F to achieve temperature stability. Thereafter, maintain conditions above 55 degrees F.

1.08 EXTRA MATERIALS

A. See Section 01 60 00 - Product Requirements, for additional provisions.

PART 2 PRODUCTS

2.01 TILE FLOORING

A. Vinyl Composition Tile: Homogeneous, with color extending throughout thickness, and:
   1. Minimum Requirements: Comply with ASTM F 1066, of Class corresponding to type specified.
   2. Construction: Through-Pattern Vinyl Composition Tile.
   3. Size: 12 x 12 inch.
   4. Wear Layer Thickness: .125 inches.
   5. Overall Thickness: .125 inches.
   6. VOC Content: As specified in Section 01 16 00.
   7. VOC Content: Certified as Low Emission by one of the following :
      a. GreenGuard Children and Schools; www.greenguard.org.
      b. Product listing in the CHPS Low-Emitting Materials Product List at; www.chps.net/manual/lem_table.htm.
   8. Manufacturers:
      a. Armstrong World Industries, Inc; Product Excelon: www.armstrong.com.
      b. Mannington, Inc; Product Standard Tile: www.mannington.com.
      c. Basis of Design: Azrock Product Azrock Collection
         1) Color:
            (a) As indicated on Finish Schedules.
   9. Substitutions: See Section 01 60 00 - Product Requirements.

2.02 RESILIENT BASE

A. Resilient Base: ASTM F1861, Type TP, rubber, thermoplastic; top set Style B, Cove, and as follows:
   1. Height: 4 inch.
   2. Thickness: 1/8 inch thick.
   3. Finish: Smooth Matte Finish.
   4. Length: Roll.
   5. Color: as selected by Architect.
   6. Accessories: Premolded external corners and end stops.
   7. Manufacturers:
      a. Mannington Commercial; www.mannington.com
      b. Burke Flooring: www.burkemercer.com.
      c. Johnsonite, Inc: www.johnsonite.com.
      d. Roppe Corp: www.roppe.com.
      e. Basis of design: Flexco; Product Wallflowers.
      f. Substitutions: See Section 01 60 00 - Product Requirements.

2.03 ACCESSORIES

A. Primers, Adhesives, and Seaming Materials: Waterproof; types recommended by flooring manufacturer.
   1. Provide only products having lower volatile organic compound (VOC) content than required by the more stringent of the South Coast Air Quality Management District Rule No.1168 and the Bay Area Air Quality Management District Regulation 8, Rule 51.

B. Moldings, Transition and Edge Strips: Same material as flooring.

C. Sealer and Wax: Types recommended by flooring manufacturer.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that surfaces are flat to tolerances acceptable to flooring manufacturer, free of cracks that might telegraph through flooring, clean, dry, and free of curing compounds, surface hardeners, and other chemicals that might interfere with bonding of flooring to substrate.

B. Verify that wall surfaces are smooth and flat within the tolerances specified for that type of work, are dust-free, and are ready to receive resilient base.

C. Cementitious Sub-floor Surfaces: Verify that substrates are dry enough and ready for resilient flooring installation by testing for moisture and pH.
   1. Obtain instructions if test results are not within limits recommended by resilient flooring manufacturer and adhesive materials manufacturer.

D. Verify that concrete sub-floor surfaces are dry enough and ready for resilient flooring installation by testing for moisture emission rate and alkalinity in accordance with ASTM F710; obtain instructions if test results are not within limits recommended by resilient flooring manufacturer and adhesive materials manufacturer.

E. Verify that required floor-mounted utilities are in correct location.

3.02 PREPARATION

A. Prepare floor substrates as recommended by flooring and adhesive manufacturers.

B. Remove sub-floor ridges and bumps. Fill minor low spots, cracks, joints, holes, and other defects with sub-floor filler to achieve smooth, flat, hard surface.

C. Prohibit traffic until filler is cured.

D. Clean substrate.

E. Apply primer as required to prevent "bleed-through" or interference with adhesion by substances that cannot be removed. Apply primer to Sealed or Stained surfaces.

3.03 INSTALLATION

A. Starting installation constitutes acceptance of sub-floor conditions.

B. Install in accordance with manufacturer's instructions.

C. Spread only enough adhesive to permit installation of materials before initial set.

D. Fit joints tightly.

E. Set flooring in place, press with heavy roller to attain full adhesion.

F. Where type of floor finish, pattern, or color are different on opposite sides of door, terminate flooring under centerline of door.

G. Install edge strips at unprotected or exposed edges, where flooring terminates, and where indicated.
   1. Resilient Strips: Attach to substrate using adhesive.

H. Scribe flooring to walls, columns, cabinets, floor outlets, and other appurtenances to produce tight joints.

3.04 TILE FLOORING

A. Install in accordance with manufactures instructions.

B. Mix tile from container to ensure shade variations are consistent when tile is placed, unless manufacturer's instructions say otherwise.

C. Lay flooring with joints and seams parallel to building lines to produce symmetrical tile pattern.

3.05 RESILIENT BASE

A. Fit joints tightly and make vertical. Maintain minimum dimension of 18 inches between joints.

B. Miter internal corners. At external corners, use premolded units. At exposed ends, use premolded units.

C. Install base on solid backing. Bond tightly to wall and floor surfaces.

D. Scribe and fit to door frames and other interruptions.

3.06 CLEANING

A. Remove excess adhesive from floor, base, and wall surfaces without damage.

B. Clean in accordance with manufacturer's instructions.

3.07 PROTECTION

A. Prohibit traffic on resilient flooring for 48 hours after installation.

END OF SECTION

SECTION 09 67 23

SHOP FLOOR EPOXY BROADCAST WITH URETHANE TOPCOAT

PART 1 – GENERAL

1.01 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.02 SUMMARY

A. This section includes the following:
   1. Resinous flooring system as shown on the drawings and in schedules.
      a. Related sections include the following:
         1) 1. Cast-in-Place Concrete, section 03 30 00
            (a) Concrete Curing, section 03 39 00

1.03 SYSTEM DESCRIPTION

A. The work shall consist of preparation of the substrate, the furnishing and application of an epoxy based multi roller applied flooring system with flintshot or Q-Rok quartz aggregate and urethane topcoat. The system shall have the color and texture as specified by the Owner with a nominal thickness of 1/8 inch. It shall be applied to the prepared area(s) as defined in the plans strictly in accordance with the Manufacturer's recommendations.

B. Cove base (if required) to be applied where noted on plans and per manufacturers standard details unless otherwise noted.

1.04 SUBMITTALS

A. Product Data: Latest edition of Manufacturer's literature including performance data and installation procedures.

B. Manufacturer’s Material Safety Data Sheet (MSDS) for each product being used.

C. Samples: A 3 inch square sample of the proposed system. Color, texture, and thickness shall be representative of overall appearance of finished system.

1.05 QUALITY ASSURANCE

A. The Manufacturer shall have a minimum of 10 years experience in the production, sales, and technical

B. support of epoxy and urethane industrial flooring and related materials.
   1. The Applicator shall have been approved by the flooring system manufacturer in all phases of
   2. surface preparation and application of the product specified.

C. No requests for substitutions shall be considered that would change the generic type of the specified
   1. System.

D. System shall be in compliance with requirements of United States Department of Agriculture (USDA),
   1. Food, Drug Administration (FDA), and local Health Department.
      a. A pre-installation conference shall be held between Applicator, General Contractor and the Owner to review and clarification of this specification, application procedure, quality control, inspection and acceptance criteria and production schedule.

1.06 PRODUCT DELIVERY, STORAGE, AND HANDLING

A. Packing and Shipping
   1. All components of the system shall be delivered to the site in the Manufacturer's packaging, clearly identified with the product type and batch number.

B. Storage and Protection
   1. The Applicator shall be provided with a storage area for all components. The area shall be between 60 F and 90 F, dry, out of direct sunlight and in accordance with the Manufacturer's recommendations and relevant health and safety regulations.
   2. Copies of Material Safety Data Sheets (MSDS) for all components shall be kept on site for review by the Engineer or other personnel.

C. Waste Disposal
   1. The Applicator shall be provided with adequate disposal facilities for non-hazardous waste generated during installation of the system.

1.07 PROJECT CONDITIONS

A. Site Requirements
   1. Application may proceed while air, material and substrate temperatures are between 60 F and 90 F providing the substrate temperature is above the dew point. Outside of this range, the Manufacturer shall be consulted.
   2. The relative humidity in the specific location of the application shall be less than 85 % and the surface temperature shall be at least 5 F above the dew point.
      a. The Applicator shall ensure that adequate ventilation is available for the work area.

B. The Applicator shall be supplied with adequate lighting equal to the final lighting level during the preparation and installation of the system.

C. Conditions of new concrete to be coated with epoxy material.
   1. Concrete shall be moisture cured for a minimum of 7 days and have fully cured a minimum of twenty
   2. eight days in accordance with ACI-308 prior to the application of the coating system pending moisture
   3. tests.
   4. Concrete shall have a flat rubbed finish, float or light steel trowel finish (a hard steel trowel finish is neither necessary or desirable).
   5. Sealers and curing agents should not to be used.
   6. Concrete surfaces on grade shall have been constructed with a vapor barrier to protect against the effects of vapor transmission and possible delamination of the system.

D. Safety Requirements
   1. All open flames and spark-producing equipment shall be removed from the work area prior to commencement of application.
      a. "No Smoking" signs shall be posted at the entrances to the work area.
   2. The Owner shall be responsible for the removal of foodstuffs from the work area.
   3. Non-related personnel in the work area shall be kept to a minimum.

1.08 WARRANTY

A. Dur-A-Flex, Inc. warrants that material shipped to buyers at the time of shipment substantially free from material defects and will perform substantially to Dur-A-Flex, Inc. published literature if used in accordance with the latest prescribed procedures and prior to the expiration date.

B. Dur-A-Flex, Inc. liability with respect to this warranty is strictly limited to the value of the material purchase.

PART 2 – PRODUCTS

2.01 FLOORING

2.02 DUR-A-FLEX, INC, SHOP FLOOR, EPOXY-BASED SEAMLESS FLOORING SYSTEM.

A. System Materials:
   1. Primer: Dur-A-Flex, Inc, Dur-A-Glaze #4 WB resin and hardener.
   2. Broadcast and Grout Coat: Dur-A-Flex, Inc, Shop Floor resin and hardener.
   3. The aggregate shall be Dur-A-Flex, Inc. Flintshot or Q-Rok quartz aggregate.
   4. Topcoat: Dur-A-Flex, Inc. Armor Top resin, hardener and grit.
      a. Patch Materials
         1) Shallow Fill and Patching: Use Dur-A-Flex, Inc. Dur-A-Glaze Rapid Patch.
         2) b. Deep Fill and Sloping Material (over ¼ inch): Use Dur-A-Flex, Inc. Dur-A-Crete.

2.03 MANUFACTURER

A. Dur-A-Flex, Inc., 95 Goodwin Street, East Hartford, CT 06108, Phone: (860) 528-9838, Fax: (860) 528-2802

B. Manufacturer of Approved System shall be single source and made in the USA.

2.04 PRODUCT REQUIREMENTS

A. Primer		Dur-A-Glaze #4 WB
1.	Percent Solids	56 %
2.	VOC	2 g/L
3.	Bond Strength to Concrete ASTM D 4541	550 psi, substrates fails
4.	Hardness, ASTM D 3363	3H
5.	Elongation, ASTM D 2370	9 %
6.	Flexibility (1/4: Cylindrical mandrel), ASTM D 1737	Pass
7.	Impact Resistance, MIL D-2794	>160
8.	Abrasion Resistance ASTM D 4060,	
a.	CS 17 wheel, 1,000 g Load	30 mg loss
B. B. Broadcast and Grout Coat		Dur-A-Glaze Shop Floor
1.	VOC	7.9 g/L
2.	Compressive Strength, ASTM D 695	17,500 psi
3.	Tensile Strength, ASTM D 638	4,000 psi
4.	Flexural Strength, ASTM D 790	6,250 psi
5.	Flexural Modulus of Elasticity, ASTM D 790	6.2 x 105
6.	Abrasion Resistance, ASTM D 4060	
a.	C-10 Wheel, 1,000 gm load, 1,000 cycles	24 mg loss
7.	Flame Spread/NFPA-101, ASTM E 84	Class A
8.	Flammability, ASTM D 635	Self Extinguishing
9.	Indentation, MIL D-3134	0.025 Max
10.	Impact Resistance MIL D-3134	Pass
11.	Water Absorption. MIL D-24613	0.04%
C. Topcoat		Armor Top
1.	Percent Solids	95 %
2.	VOC	0 g/L
3.	Tensile Strength, ASTM D 2370	7,000 psi
4.	Adhesion, ASTM 4541	Substrate Failure
5.	Hardness, ASTM D 3363	4H
6.	600 Gloss ASTM D 523	70
7.	Abrasion Resistance, ASTM D4060	Gloss Satin
a.	CS 17 wheel (1,000 g load) 1,000 cycles	4 8 mg loss with grit
	10 12 mg loss without grit	
8.	Pot Life, 70 F, 50% RH	2 Hours
9.	Full Chemical Resistance	7 days

PART 3 – EXECUTION

3.01 EXAMINATION

A. Examine substrates, areas and conditions, with Applicator present, for compliance with requirements for maximum moisture content, installation tolerances and other conditions affecting flooring performance.

B. Verify that substrates and conditions are satisfactory for flooring installation and comply with requirements specified.

3.02 PREPARATION

A. General
1. New and existing concrete surfaces shall be free of oil, grease, curing compounds, loose particles, moss,
   a. algae growth, laitance, friable matter, dirt, and bituminous products.
2. Moisture Testing: Perform tests recommended by manufacturer and as follows.
   a. PERFORM RELATIVE HUMIDITY TEST USING IS SITU PROBES, ASTM F 2170. PROCEED WITH INSTALLATION ONLY AFTER SUBSTRATES HAVE A MAXIMUM 75% RELATIVE HUMIDITY LEVEL MEASUREMENT.

b. If the relative humidity exceeds 75% then Dur-A-Flex, Inc Dur-A-Glaze MVP Primer moisture mitigation system must be installed prior to resinous flooring installation. Slab-on grade substrates without a vapor barrier may also require the moisture mitigation system.

3. There shall be no visible moisture present on the surface at the time of application of the system. Compressed oil-free air and/or a light passing of a propane torch may be used to dry the substrate.
4. Mechanical surface preparation
   a. Shot blast all surfaces to receive flooring system with a mobile steel shot, dust recycling machine (Blastrac or equal). All surface and embedded accumulations of paint, toppings hardened concrete layers, laitance, power trowel finishes and other similar surface characteristics shall be completely removed leaving a bare concrete surface having a minimum profile of CSP 4-5 as described by the International Concrete Repair Institute.
   b. Floor areas inaccessible to the mobile blast machines shall be mechanically abraded to the same degree of cleanliness, soundness and profile using diamond grinders, needle guns, bush hammers, or other suitable equipment.
   c. Where the perimeter of the substrate to be coated is not adjacent to a wall or curb, a minimum 1/4 inch
      1) key cut shall be made to properly seat the system, providing a smooth transition between areas. The
      2) detail cut shall also apply to drain perimeters and expansion joint edges.
   d. Cracks and joints (non-moving) greater than 1/8 inch wide are to be chiseled or chipped-out and repaired per manufacturer's recommendations.
5. At spalled or worn areas, mechanically remove loose or delaminated concrete to a sound concrete and patch per manufactures recommendations.

3.03 APPLICATION

A. General
   1. The system shall be applied in seven distinct steps as listed below:
      a. Substrate preparation
         1) Priming
         2) First broadcast coat application with first aggregate broadcast
         3) Second broadcast coat with second aggregate broadcast
         4) Grout coat application, sand floor (if required)
         5) Topcoat application, urethane
   2. Immediately prior to the application of any component of the system, the surface shall be dry and any remaining dust or loose particles shall be removed using a vacuum or clean, dry, oil-free compressed air.
   3. The handling, mixing and addition of components shall be performed in a safe manner to achieve the desired results in accordance with the Manufacturer's recommendations.
   4. The system shall follow the contour of the substrate unless pitching or other leveling work has been specified by the Architect.
   5. A neat finish with well-defined boundaries and straight edges shall be provided by the Applicator.

B. Primer
   1. The primer shall consist of a liquid resin and hardener that is mixed at the ratio of 1 parts resin to 4 part hardener per the manufacturer's instructions.
   2. The primer shall be applied by flat squeegee and back rolled at the rate of 200-250 sf/gal to yield a dry film thickness of 4 mils.

C. Broadcast Coat
   1. The broadcast coat shall be applied as a double broadcast system as specified by the Architect.
   2. The broadcast coat shall be comprised of two components, a resin, and hardener as supplied by the Manufacturer and mixed in the ratio of 2 parts resin to 1 part hardener.
   3. The resin shall be added to the hardener and thoroughly mixed by suitably approved mechanical means.
   4. The broadcast coat shall be applied over horizontal surfaces using "v" notched squeegee and back rolled at the rate of 90-100 sf/gal.
   5. Quartz aggregate shall be broadcast to excess into the wet material at the rate of 0.5 lbs/sf.

6. Allow material to fully cure. Vacuum, sweep and/or blow to remove all loose aggregate.
7. Apply a second coat of resin with a coverage rate of 90-100 sf/gal and broadcast aggregate to excess at the rate of 0.5 lbs/sf.
8. Allow material to fully cure. Vacuum, sweep and/or blow to remove all loose aggregate.

D. Grout Coat
1. The grout coat shall be comprised of liquid components, combined at a ratio of 2 parts resin to 1 part hardener by volume and shall be thoroughly blended by mechanical means such as a high speed paddle mixer.
2. The grout coat shall be squeegee applied with a coverage rate of 90 sf/gal (flintshot) or 50 sf/gal (Q-Rok).
3. The grout coat will be back rolled and cross rolled to provide a uniform texture and finish.

E. Topcoat (Urethane)
1. The topcoat of Armor Top shall be roller applied at the rate of 500 sf/gal to yield a dry film thickness of 3 mils.
2. The topcoat shall be comprised of a liquid resin, hardener and grit that is mixed per the manufacturer's instructions.
3. The finished floor will have a nominal thickness of 1/8 inch.

3.04 FIELD QUALITY CONTROL

A. Tests, Inspection
1. The following tests shall be conducted by the Applicator:
   a. Temperature
      1) Air, substrate temperatures and, if applicable, dew point.
   b. Coverage Rates
      1) Rates for all layers shall be monitored by checking quantity of material used against the area covered.

3.05 CLEANING AND PROTECTION

A. Cure flooring material in compliance with manufacturer's directions, taking care to prevent their contamination during stages of application and prior to completion of the curing process.

B. Remove masking. Perform detail cleaning at floor termination, to leave cleanable surface for subsequent work of other sections.

END OF SECTION

SECTION 09 90 00
PAINTING AND COATING

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Surface preparation.

B. Field application of paints, stains, varnishes, and other coatings.

C. Materials for backpriming woodwork.

D. Scope: Finish all interior and exterior surfaces exposed to view, unless fully factory-finished and unless otherwise indicated, including the following:
   1. Both sides and edges of plywood backboards for electrical and telecom equipment before installing equipment.
   2. Exposed surfaces of steel lintels and ledge angles.
   3. Surfaces inside cabinets.
   4. Mechanical and Electrical:
      a. In finished areas, paint all insulated and exposed pipes, conduit, boxes, insulated and exposed ducts, hangers, brackets, collars and supports, mechanical equipment, and electrical equipment, unless otherwise indicated.
   5. All items in exposed structure areas to be painted, including but not limited to Duct Work, Metal Conduit, Raceways, Fire Suppression Piping, Bar Joists, Metal Roof Deck, and Steel Beams unless indicated on the drawings.

E. Do Not Paint or Finish the Following Items:
   1. Items fully factory-finished unless specifically so indicated; materials and products having factory-applied primers are not considered factory finished.
   2. Items indicated to receive other finishes.
   3. Items indicated to remain unfinished.
   4. Fire rating labels, equipment serial number and capacity labels, and operating parts of equipment.
   5. Stainless steel, anodized aluminum, bronze, terne, and lead items.
   6. Glass.
   7. Concealed pipes, ducts, and conduits.

1.02 RELATED REQUIREMENTS

A. Section 05 50 00 - Metal Fabrications: Shop-primed items.

1.03 DEFINITIONS

A. Conform to ASTM D16 for interpretation of terms used in this section.

1.04 REFERENCE STANDARDS

A. ASTM D16 - Standard Terminology for Paint, Related Coatings, Materials, and Applications; 2012.

B. SSPC (PM1) - Good Painting Practice: SSPC Painting Manual, Vol. 1; Society for Protective Coatings; Fourth Edition.

1.05 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

B. Product Data: Provide complete list of all products to be used, with the following information for each:
   1. Manufacturer's name, product name and/or catalog number, and general product category (e.g. "alkyd enamel").
   2. MPI product number (e.g. MPI #47).
   3. Cross-reference to specified paint system(s) product is to be used in; include description of each system.
   4. Manufacturer's installation instructions.

C. Product Data: Provide data on all finishing products, including VOC content.

D. Samples: Submit two paper chip samples, 6 x 6 inch in size illustrating range of colors and textures available for each surface finishing product scheduled.

E. Certification: By manufacturer that all paints and coatings comply with VOC limits specified.

F. Certification: By manufacturer that all paints and coatings do not contain any of the prohibited chemicals specified; GreenSeal GS-11 certification is not required but if provided shall constitute acceptable certification.

G. Manufacturer's Instructions: Indicate special surface preparation procedures.

H. Maintenance Data: Submit data on cleaning, touch-up, and repair of painted and coated surfaces.

I. Maintenance Materials: Furnish the following for County of Hidalgo's use in maintenance of project.
   1. See Section 01 60 00 - Product Requirements, for additional provisions.
   2. Extra Paint and Coatings: 1 gallon of each color; store where directed.
   3. Label each container with color in addition to the manufacturer's label.

1.06 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing the products specified, with minimum three years documented experience.

B. Single-Source Responsibility: Provide primers and undercoat paint produced by the same manufacturer as the finish coats.

C. Coordination of Work: Review other sections in which primers are provided to ensure compatibility of the total systems for various substrates. On request furnish information on characteristics of finish materials to ensure use of compatible primers.
   1. Notify the Architect of problems anticipated using the materials specified.

D. Material Quality: Provide the manufacturer's best quality trade sale paint material of the various coating types specified. Paint material containers not displaying manufacturer's product identification will not be acceptable.
   1. Proprietary names used to designate colors or materials are not intended to imply that products named are required or to exclude equal products of other manufacturers.
   2. Federal Specifications establish a minimum quality level for paint materials, except where other product identification is used. Provide written certification from the manufacturer that materials provided meet or exceed these criteria.
   3. Products that comply with qualitative requirements of applicable Federal Specifications, yet differ in quantitative requirements, may be considered for use when acceptable to the Architect. Furnish material data and manufacturer's certificate of performance to Architect for proposed substitutions.

E. Interior Coating type: Provide interior painting systems which are VOC compliant as per Green Seal Environmental Standard GS-11 for interior paint VOC thresholds:
   1. Non-flat: VOC not more than 50 g/L
   2. Flat: VOC not more than 50 g/L

F. Interior/Exterior coatings type: Provide interior/exterior coating systems which are VOC compliant as per Rule 1168 of the South Coast Air Quality Management District for coatings, primers, stains:
   1. Primers, Sealers and Undercoaters" COC not more than 200 g/L
   2. Stains, interior: VOC not more than 250 g/L
   3. Floor coatings: VOC not more than 100 g/L

G. Exterior coating type: Provide exterior painting systems which are VOC compliant as per Green Seal Environmental Standard GS-11 for exterior paint VOC threshold:
   1. Non-Flat: VOC not more than 200 g/L
   2. Flat: VOC not more than 100 g/L

H. Interior/Exterior anti-corrosive and anti-rust coating types for ferrous metals: Provide interior/exterior painting systems for ferrous metals which are VOC compliant as per Green Seal Environmental GC-03 for interior/exterior paint VOC thresholds:
   1. Gloss: VOC not more than 250 g/L
   2. Semi-Gloss: VOC not more than 250 g/L
   3. Flat: VOC not more than 250 g/L

1.07 MOCK-UP

A. See Section 01 40 00 - Quality Requirements, for general requirements for mock-up.

B. Provide panel, 4 feet long by 8 feet wide, illustrating special coating color, texture, and finish.

C. Provide door and frame assembly illustrating paint coating color, texture, and finish.

D. Locate where directed.

E. Mock-up may remain as part of the work.

1.08 DELIVERY, STORAGE, AND HANDLING

A. Deliver products to site in sealed and labeled containers; inspect to verify acceptability.

B. Container Label: Include manufacturer's name, type of paint, brand name, lot number, brand code, coverage, surface preparation, drying time, cleanup requirements, color designation, and instructions for mixing and reducing, VOC content.

C. Paint Materials: Store at minimum ambient temperature of 45 degrees F and a maximum of 90 degrees F, in ventilated area, and as required by manufacturer's instructions.

1.09 FIELD CONDITIONS

A. Do not apply materials when surface and ambient temperatures are outside the temperature ranges required by the paint product manufacturer.

B. Follow manufacturer's recommended procedures for producing best results, including testing of substrates, moisture in substrates, and humidity and temperature limitations.

C. Do not apply exterior coatings during rain or snow, or when relative humidity is outside the humidity ranges required by the paint product manufacturer.

D. Minimum Application Temperatures for Latex Paints: 45 degrees F for interiors; 50 degrees F for exterior; unless required otherwise by manufacturer's instructions.

E. Minimum Application Temperature for Varnish Finishes: 65 degrees F for interior or exterior, unless required otherwise by manufacturer's instructions.

F. Provide lighting level of 80 ft candles measured mid-height at substrate surface.

1.10 EXTRA MATERIAL

A. Provide one gallon of each different paint system, and color with manufacturers name and color clearly labeled on the top of each container.

1.11 PRE-PAINT CONFERENCE

A. Prior to finish painting, exterior and interior, General Contractor shall schedule a "Pre-Painting Conference" to be attended by ERO Architects, Contractor, Painting Subcontractor and Manufacturers Representative.

B. Agenda to include submittal of color and finishes sample.

C. Contractor to record discussions of conference including agreements and/or disagreements and distribute a copy to all persons in attendance.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Provide all paint and coating products used in any individual system from the same manufacturer; no exceptions.

B. Paints:
   1. Base Manufacturer: Sherwin-Williams Company: www.sherwin-williams.com.

C. Primer Sealers:
   1. Base Manufacturer: Sherwin-Williams Company: www.sherwin-williams.com.

D. Block Fillers:
   1. Base Manufacturer: Sherwin-Williams Company: www.sherwin-williams.com.

E. Concrete Stains: (Interior/Exterior)
   1. Base Manufacturer: Seal-Krete: www.seal-krete.com

F. Substitutions: See Section 01 60 00 - Product Requirements.

2.02 PAINTS AND COATINGS - GENERAL

A. Paints and Coatings: Ready mixed, unless intended to be a field-catalyzed coating.
   1. Provide paints and coatings of a soft paste consistency, capable of being readily and uniformly dispersed to a homogeneous coating, with good flow and brushing properties, and capable of drying or curing free of streaks or sags.
   2. Supply each coating material in quantity required to complete entire project's work from a single production run.
   3. Do not reduce, thin, or dilute coatings or add materials to coatings unless such procedure is specifically described in manufacturer's product instructions.

B. Primers: Where the manufacturer offers options on primers for a particular substrate, use primer categorized as "best" by the manufacturer.

C. Volatile Organic Compound (VOC) Content:
   1. Provide coatings that comply with the most stringent requirements specified in the following:
      a. 40 CFR 59, Subpart D--National Volatile Organic Compound Emission Standards for Architectural Coatings.
      b. Ozone Transport Commission (OTC) Model Rule, Architectural, Industrial, and Maintenance Coatings; www.otcair.org; specifically:
         1) Opaque, Flat: 50 g/L, maximum.
         2) Opaque, Nonflat: 150 g/L, maximum.
         3) Opaque, High Gloss: 250 g/L, maximum.
         4) Varnishes: 350 g/L, maximum.
   2. Determination of VOC Content: Testing and calculation in accordance with 40 CFR 59, Subpart D (EPA Method 24), exclusive of colorants added to a tint base and water added at project site; or other method acceptable to authorities having jurisdiction.

D. Colors: As indicated on drawings
   1. Selection to be made by ERO Architects after award of contract.
   2. Allow for minimum of three colors for each system, unless otherwise indicated, without additional cost to County of Hidalgo.
   3. In finished areas, finish pipes, ducts, conduit, and equipment the same color as the wall/ceiling they are mounted on/under.

2.03 PAINT SYSTEMS - EXTERIOR

A. General: Provide the following paint systems for the various substrates, as indicated;

B. Metals:

C. Ferrous Metals, (Anti-Corrosive coating):
   1. Semi-Gloss Acrylic Latex: 2 finish coats over primer on properly prepared surface:
   2. Primer:
      a. Sherwin-Williams Pro-Cryl Universal Water Based Primer (B66-310 Series) (5.0-10.0 mils wet, 2.0-4.0 mils dry).
         VOC: Unreduced 89 g/L < 250 g/L.
      b. First and Second Coats:
         1) Sherwin-Williams Sher-Cryl HPA High Performance Acrylic (B66-300 Series) (6.0-10.0 mils wet, 2.5-4.0 mils dry per coat) spray applied.
         VOC: 189 g/L , 250 g/L.
      c. Third Coat:
         1) Sherwin-Williams Sher-Clear 1K Acrylic Clear Coat (3 mils wet, 1 mil dry)
         VOC: <100 g/L , 200 g/L.

D. Zinc-Coated Metal:

1. Gloss Latex: 2 finish coats over primer on properly prepared surfaces:
2. Primer:
   a. Sherwin-Williams Pro-Cryl Universal Water Based Primer (B66-310 Series) (5.0-10.0 mils wet, 2.0-4.0 mils dry).
      VOC: Unreduced 89 g/L , 250 g/L.
3. First and Second Coats:
   a. Sherwin-Williams Pro Industrial) VOC Acrylic Semi-Gloss, (B66W611) (6.5 - 10.0 mils wet, 2.5 - 4.0 mils dry per coat).
      VOC: 0 g/L , 200 g/L.
   b.

2.04 PAINT SYSTEMS - INTERIOR

A. General: Provide the following paint systems for the various substrates as indicated.

B. Gypsum Board (walls and ceiling): Furnish sample on 2'x2' piece of gypsum board for Architects approval prior to application.
   1. Gypsum Drywall Systems:
      a. Semi-Gloss Acrylic Enamel: 2 finish coats over primer on properly prepared surface:
      b. Texture:
         1) USG Sheetrock Brand Wall and Ceiling Spray Texture (Multipupose) (fine orange peel).
         2) Texture Additive: Sheetrock Brand First Coat: Add at a rate of 1 gal. per bag of texture-substitute for 1 gal. of water.
            VOC: 2 g/L
      c. Primer:
         1) Sherwin-Williams ProGreen Low VOC Primer B28W600 (4 mils wet; 1.3 mils dry).
            VOC: 43 g/L < 50 g/L.
      d. First and Second Coats:
         1) Sherwin-Williams Pro Industrial 0 VOC Acrylic Semi-Gloss (B66W611) (4 mils wet, 1.4 mils dry per coat).
            VOC: 0 g/L < 50 g/L.
   2. Gypsum Drywall Systems:
      a. Eg-Shel Acrylic Enamel: 2 finish coats over primer on properly prepared surface:
      b. Texture:
         1) USG Sheetrock Brand Wall and Ceiling Spray Texture (Multipupose) (fine orange peel).
         2) Texture Additive: Sheetrock Brand First Coat: Add at a rate of 1 gal. per bag of texture-substitute for 1 gal. of water.
            VOC: 2 g/L.
      c. Primer:
         1) Sherwin-Williams ProGreen Low VOC Primer B28W600 (4 mils wet; 1.3 mils dry).
            VOC: 43 g/L < 50 g/L.
      d. First and Second Coats:
         1) Sherwin-Williams Pro Industrial 0 VOC Acrylic Semi-Gloss (B66W611) (4 mils wet, 1.4 mils dry per coat).
            VOC: 0 g/L < 50 g/L.

C. Metals:
   1. Ferrous Metals:
      a. Semi-Gloss Acrylic Enamel: 2 finish coats over primer on properly prepared surface:
      b. Primer:
         1) Sherwin-Williams Pro-Cryl Universal Water Based Primer (B66-310 Series) (5.0-10.0 mils wet, 2.0-4.0 mils dry)
            VOC: Unreduced 89 g/L < 250 g/L.
      c. First and Second Coats:
         1) Sherwin-Williams Pro Industrial 0 VOC Acrylic Semi-Gloss (B31 Series) (4 mils wet, 1.4 mils dry per coat)

VOC: 0 g/L < 50 g/L.

2. Zinc Coated Metals
   a. Semi-Gloss Acrylic Enamel: 2 finish coats over primer on properly prepared surface:
   b. Primer:
      1) Sherwin-Williams Pro-Cryl Universal Water Based Primer (B66-310 Series) (5.0-10.0 mils wet, 2.0-4.0 mils dry)
         VOC: Unreduced 89 g/L < 250 g/L.
   c. First and Second Coats:
      1) Sherwin-Williams Pro Industrial 0 VOC Acrylic Semi-Gloss (B31 Series) (4 mils wet, 1.4 mils dry per coat)
         VOC: 0 g/L < 50 g/L.

D. Exposed Concrete Floors: (Basis of Design)
   1. Concrete Floors: (Maintanance Building - **Base Bid**)
      Equal to: **Seal Krete**
      a. Garage/Concrete Floor Sealer: Garage/Concrete Floor Sealer is a durable, water-based, acrylic sealer for concrete floors, carports, shop floors and other horizontal concrete or masonry surfaces.
         1) Technical Data:
            (a) Finish: Satin to semi-gloss.
            (b) Color: Clear.
            (c) Weight Solids: 20 percent, ASTM D 2369.
            (d) VOC Actual: Less than 100 g/L, ASTM D 3960.
            (e) Odor: Low.
            (f) OTC Compliant.
            (g) Superior hot-tire mark release.
   2. Concrete Floors: (Maintanance Building - **Alternate Bid No. 01**)
      Equal to: **Seal Krete**
      a. Epoxy-Seal: Epoxy-Seal Concrete & Garage Floor Paint is a ready-to-use, acrylic-epoxy blend formulated to resit hot tire pick-up, chemicals , oil, grease and gasoline stains.
         1) Technical Data:
            (a) Finish: Premium Satin
            (b) Color: to be selected by ERO Architects
            (c) Colorant Limits: White Base 5 oz., Deep Base 8 oz..
            (d) Volume Solids: 38.00 +/- 1%
            (e) Weight Solids: 45.00 +/- 1%
            (f) Recommended Spread Rate (per coat):
               (1) Wet mils: 3.5-4.5
               (2) Dry mils: 1.5-2.5
            (g) Coverage: 300-500 sq ft/gal

E. Concrete Masonry Units
   1. Semi-Gloss Acrylic Enamel: 2 finish coats over primer on properly prepared surface:
   2. Primer:
      a. Sherwin-Williams PrepRite Block Filler (B25W25) (16 mils wet, 8 mils dry)
         VOC: 45 g/L.
   3. First and Second Coats:
      a. Sherwin-Williams ProClassic Waterborne Acrylic Semi-Gloss (B31 Series) (4 mils wet, 1.4 mils dry per coat).
         VOC: 144 g/L < 150 g/L.

2.05 ACCESSORY MATERIALS

A. Accessory Materials: Provide all primers, sealers, cleaning agents, cleaning cloths, sanding materials, and clean-up materials required to achieve the finishes specified whether specifically indicated or not; commercial quality.

B. Patching Material: Latex filler.

C. Fastener Head Cover Material: Latex filler.

PART 3 EXECUTION

3.01 EXAMINATION

A. Do not begin application of coatings until substrates have been properly prepared.

B. Verify that surfaces are ready to receive work as instructed by the product manufacturer.

C. Examine surfaces scheduled to be finished prior to commencement of work. Report any condition that may potentially affect proper application.

D. If substrate preparation is the responsibility of another installer, notify ERO Architects of unsatisfactory preparation before proceeding.

E. Test shop-applied primer for compatibility with subsequent cover materials.

F. Measure moisture content of surfaces using an electronic moisture meter. Do not apply finishes unless moisture content of surfaces are below the following maximums:
   1. Gypsum Wallboard: 12 percent.
   2. Plaster and Stucco: 12 percent.
   3. Masonry, Concrete, and Concrete Unit Masonry: 12 percent.
   4. Concrete Floors and Traffic Surfaces: 8 percent.

3.02 PREPARATION

A. Clean surfaces thoroughly and correct defects prior to coating application.

B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

C. Remove surface appurtenances, including electrical plates, hardware, light fixture trim, escutcheons, and fittings, prior to preparing surfaces or finishing.

D. Seal surfaces that might cause bleed through or staining of topcoat.

E. Remove mildew from impervious surfaces by scrubbing with solution of tetra-sodium phosphate and bleach. Rinse with clean water and allow surface to dry.

F. Concrete and Unit Masonry Surfaces to be Painted: Remove dirt, loose mortar, scale, salt or alkali powder, and other foreign matter. Remove oil and grease with a solution of tri-sodium phosphate; rinse well and allow to dry. Remove stains caused by weathering of corroding metals with a solution of sodium metasilicate after thoroughly wetting with water. Allow to dry.

G. Gypsum Board Surfaces to be Painted: Fill minor defects with filler compound. Spot prime defects after repair.

H. Plaster Surfaces to be Painted: Fill hairline cracks, small holes, and imperfections with latex patching plaster. Make smooth and flush with adjacent surfaces. Wash and neutralize high alkali surfaces.

I. Concrete Floors and Traffic Surfaces to be Painted: Remove contamination, acid etch, and rinse floors with clear water. Verify required acid-alkali balance is achieved. Allow to dry.

J. Galvanized Surfaces to be Painted: Remove surface contamination and oils and wash with solvent. Apply coat of etching primer.

K. Corroded Steel and Iron Surfaces to be Painted: Prepare using at least SSPC-PC 2 (hand tool cleaning) or SSPC-SP 3 (power tool cleaning) followed by SSPC-SP 1 (solvent cleaning).

L. Uncorroded Uncoated Steel and Iron Surfaces to be Painted: Remove grease, mill scale, weld splatter, dirt, and rust. Where heavy coatings of scale are evident, remove by hand or power tool wire brushing or sandblasting; clean by washing with solvent. Apply a treatment of phosphoric acid solution, ensuring weld joints, bolts, and nuts are similarly cleaned. Prime paint entire surface; spot prime after repairs.

M. Shop-Primed Steel Surfaces to be Finish Painted: Sand and scrape to remove loose primer and rust. Feather edges to make touch-up patches inconspicuous. Clean surfaces with solvent. Prime bare steel surfaces. Re-prime entire shop-primed item.

N. Metal Doors to be Painted: Prime metal door top and bottom edge surfaces.

3.03 APPLICATION

A. Remove unfinished louvers, grilles, covers, and access panels on mechanical and electrical components and paint separately.

B. Apply products in accordance with manufacturer's instructions.

C. Do not apply finishes to surfaces that are not dry. Allow applied coats to dry before next coat is applied.

D. Apply each coat to uniform appearance.

E. Sand wood and metal surfaces lightly between coats to achieve required finish.

F. Vacuum clean surfaces of loose particles. Use tack cloth to remove dust and particles just prior to applying next coat.

G. Reinstall electrical cover plates, hardware, light fixture trim, escutcheons, and fittings removed prior to finishing.

END OF SECTION

SECTION 10 14 00
SIGNAGE

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Room and door signs.

B. Emergency evacuation maps.

C. Dedication Plaque.

D. Sign made of Individual Cast Aluminum Letters.

1.02 REFERENCE STANDARDS

A. 36 CFR 1191 - Americans with Disabilities Act Accessibility Guidelines for Buildings and Facilities; Final Rule; current edition; (ADA Standards for Accessible Design).

B. ANSI/ICC A117.1 - American National Standard for Accessible and Usable Buildings and Facilities; International Code Council; 2009.

C. ATBCB ADAAG - Americans with Disabilities Act Accessibility Guidelines; 2002.

1.03 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

B. Product Data: Manufacturer's printed product literature for each type of sign, indicating sign styles, font, foreground and background colors, locations, overall dimensions of each sign.

C. Signage Schedule: Provide information sufficient to completely define each sign for fabrication, including room number, room name, other text to be applied, sign and letter sizes, fonts, and colors.
   1. When room numbers to appear on signs differ from those on the drawings, include the drawing room number on schedule.
   2. When content of signs is indicated to be determined later, request such information from County of Hidalgo through ERO Architects at least 2 months prior to start of fabrication; upon request, submit preliminary schedule.
   3. Submit for approval by County of Hidalgothrough ERO Architects prior to fabrication.

D. Samples: Submit two samples of each type of sign, of size similar to that required for project, illustrating sign style, font, and method of attachment.

E. Selection Samples: Where colors are not specified, submit two sets of color selection charts or chips.

F. Verification Samples: Submit samples showing colors specified.

G. Manufacturer's Installation Instructions: Include installation templates and attachment devices.

1.04 QUALITY ASSURANCE

A. Americans with Disabilities Act (ADA)

B. Texas Accessibility Standards (TAS)

1.05 DELIVERY, STORAGE, AND HANDLING

A. Package signs as required to prevent damage before installation.

B. Package room and door signs in sequential order of installation, labeled by floor or building.

C. Store tape adhesive at normal room temperature.

1.06 FIELD CONDITIONS

A. Do not install tape adhesive when ambient temperature is lower than recommended by manufacturer.

B. Maintain this minimum temperature during and after installation of signs.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Raised Letter Plastic Signage (Room Identification Signage):
   1. South Texas Graphic Systems, Inc., Houston TX (713) 467- 4499.

B. Emergency Evacuation Maps:
   1. South Texas Graphic Systems, Inc., Houston TX (713) 467- 4499.

C. Cast Metal Dedication Plaque:
   1. A.R.K. Ramos Architectural Signage Systems, Oklahoma City, OK; (405) 235-5505
   2. Best Manufacturing Sign Systems, Montrose, CO; (800) 235-2378
   3. York Bronze Company, Bryan, TX; (800) 488-4662
   4. The Southwell Co., San Antonio, TX; (210) 223-1831 (Basis of Specification)
   5. Substitutions: See Section 01 60 00 - Product Requirements.

D. Cast Metal Letters:
   1. A.R.K. Ramos Architectrual Signage Systems, Oklahoma City, OK; (405) 235-5505
   2. The Southwell Co., San Antonio, TX; (210) 223-1831
   3. York Bronze Company, Bryan, TX; (800) 488-4662

2.02 SIGNAGE APPLICATIONS

A. Accessibility Compliance: All signs are required to comply with ADAAG and ANSI/ICC A 117.1 and applicable building codes, unless otherwise indicated; in the event of conflicting requirements, comply with the most comprehensive and specific requirements.

B. Room and Door Signs: Provide a sign for every doorway, whether it has a door or not, not including corridors, lobbies, and similar open areas.

C. Emergency Evacuation Maps:
   1. Allow for maps per governing authority direction.

D. Building Identification Signs:
   1. Use individual metal letters.
   2. Mount on outside wall in location as directed by ERO Architects.

2.03 SIGN TYPES

A. Room Identification Signage:
   1. General:
      a. Constructed of one (1) or two (2) high pressure laminate in colors selected by Architect, laminated to a 1/8 inch thick acrylic back.
      b. Signage shall have radius corners
      c. Demarcation line, if any, shall be infilled to match copy color.
      d. Signs shall comply with all state and federal codes, including, but not limited to the ADA and TAS requirements.
      e. Refer to drawings for signage details, dimension, types, colors, graphic layout and mounting and height specifications.
   2. Raised Character Size and Style: matte finished acrylic plastic, character adhered to base material:
      a. Raised 1/ 32 inch, chemically welded to the acrylic backing through the face laminate, to assure permanent adhesion
      b. Lower or Secondary Copy:
         1) Shall be a minimum of 5/8 inch high incised sans serif style, (Helvetica, Optima, Futura) as selected by architect.
      c. Pictograms:
         1) Shall appear on a minimum six (6) inch square, unobstructed field.
      d. Window (slotted) Signs:
         1) Shall be open on both ends, window shall be a non-glare acryllic window, with an exposed color laminate behind in color as selected by Architect.

e. Character Color: As selected by Architect.
f. Character Font: Helvetica.
g. Character Case: Upper case only.
h. Room numbers and sign copy shall be accompanied by Grade II braille by means of "VisiTouch Duradot System". Glass or metallic "Durodots" shall have 0.059 inch surface diameter with body of sphere pressure secured below face laminate. routed boxes or glued on dots are not acceptable.

B. Emergency Evacuation Maps:
1. Made to be in like kind as Room Identification Signage.

C. Dedication Plaque:
1. Material and Fabrication:
a. Casting: Shall be of virgin ingots of F-214 Aluminum Alloy and shall be free of pits and gas holes and all letters shall be sharp and hand tooled.
b. Border Style: Single line standard border design.
c. Letter Style/Sizes: Shall be Helvetica Medium in both upper and lower case letters, unless shown otherwise. Letter sizes shall be as shown on drawings.
d. Finishes:
1) Borders and Letter Faces: Shall be satin finish.
2) Background: Shall be leatherette texture sprayed with Gun Metal Gray acrylic lacquer.
3) Plaque shall be chemically cleaned and etched and treated with alodine.
4) Completed plaque shall be sprayed with two (2) coats of clear acrylic lacquer.
2. Location: As directed by ERO Architects.
3. Size: Shall be 18" x 24".
4. Fasteners and Attachment Hardware: Concealed fasteners and hardware of size and type recommended by manufacturer for attachment of plaque on brick wall where indicated on drawings.
5. Provide all materials required for a complete installation

D. Individual Cast Aluminum Letters:
1. Material and Fabrication:
a. Casting shall be of 319 aluminum alloy with satin polished faces and matte sides.
b. Letters shall be finished in Dark Bronze anodized finish.
c. Letters shall be 12 inch high in Helvetica Medium upper case letters, (40) characters are required.
d. Letters shall be 8 inch high in Helvetica Medium upper case letters, (15) characters are required
2. Fasteners and Attachment Hardware: Concealed fasteners and hardware of size and type recommended by manufacturer for attachment of letters on brick wall where indicated on drawings.
3. Refer to drawings for quantities and sizes
4. Provide all materials required for a complete installation.

2.04 ACCESSORIES

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that substrate surfaces are ready to receive work.

3.02 INSTALLATION

A. Install in accordance with manufacturer's instructions.

B. Install neatly, with horizontal edges level.

C. Locate signs where indicated: As per Drawings.
1. If no location is indicated obtain County of Hidalgo's instructions.

D. Protect from damage until Substantial Completion; repair or replace damage items.

END OF SECTION

SECTION 10 28 00

TOILET, BATH, AND LAUNDRY ACCESSORIES

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Accessories for toilet rooms.

B. Grab bars.

C. Custodial Accessories

1.02 RELATED REQUIREMENTS

A. Section 09 30 00 - Tiling: Ceramic washroom accessories.

1.03 REFERENCE STANDARDS

A. ASTM A269 - Standard Specification for Seamless and Welded Austenitic Stainless Steel Tubing for General Service; 2010.

B. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2011.

C. ASTM A666 - Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar; 2010.

D. ASTM B456 - Standard Specification for Electrodeposited Coatings of Copper Plus Nickel Plus Chromium and Nickel Plus Chromium; 2011e1.

E. ASTM C1036 - Standard Specification for Flat Glass; 2011e1.

F. GSA CID A-A-3002 - Mirrors, Glass; U.S. General Services Administration; 1996.

1.04 ADMINISTRATIVE REQUIREMENTS

A. Coordinate the work with the placement of internal wall reinforcement, concealed ceiling supports, and reinforcement of toilet partitions to receive anchor attachments.

1.05 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

B. Product Data: Provide data on accessories describing size, finish, details of function, attachment methods.

C. Samples: Submit two samples of each accessory, illustrating color and finish.

PART 2 PRODUCTS

2.01 PUBLIC-USE WASHROOM ACCESSORIES

A. Basis-of-Design Product: Subject to compliance with requirements, Bobrick Washroom Equipment, Inc. or submit comparable product in conformance with Substitution Procedures.

1. Toilet Tissue (Roll) Dispenser: (TA-1)
    a. Basis-of-Design Product: Bobrick B-2892 Double Roll Toilet Tissue Dispenser.
    b. Mounting: Surface Mounted.
    c. Capacity: Accommodates two toilet tissue rolls up to 10" diameter.
    d. Materials: 18-8S, type 304 stainless steel, 18 gauge with satin finish.
    e. Refill Indicator: wide viewing slot reveals toilet tissue supply inside.
    f. Lockset: lock & key.
2. Liquid-Soap Dispenser: (TA-2)
    a. Basis-of-Design Product: Bobrick B-4112 Soap Dispenser - ConturaSeries.
    b. Mounting: Surface Mounted.
    c. Capacity: 40 fl. oz.
    d. Materials: type 304 stainless steel, 20 gauge with satin finish.
    e. Refill Indicator: refill window.
    f. Lockset: lock & key.

3. Grab Bar - 42" Long: (TA-3)
   a. Basis-of-Design Product: Bobrick B-6206.99x42 42" Stainless Steel Grab Bar, Satin Finish.
   b. Mounting: Flanges with concealed fasteners.
   c. Material: Stainless Steel, 0.05 inch thick.
   d. Finish: Snooth, No. 4 finish (satin) on ends and slip-resistant texture in grip area.
   e. Dimensions: 42" Long x 1-1/2" outside diameter.
4. Grab Bar - 36" Long: (TA-4)
   a. Basis-of-Design Product: Bobrick B-6206.99x36 36" Stainless Steel Grab Bar, Satin Finish.
   b. Mounting: Flanges with concealed fasteners.
   c. Material: Stainless Steel, 0.05 inch thick.
   d. Finish: Snooth, No. 4 finish (satin) on ends and slip-resistant texture in grip area.
   e. Dimensions: 36" Long x 1-1/2" outside diameter.
5. Waste Receptacle: (TA-5)
   a. Basis-of-Design Product: Bobrick B-43644 Contura Series Recessed Waste Receptacle.
   b. Mounting: Recessed Mounted.
   c. Capacity: 12.8 gal..
   d. Materials: Stainless steel, No. 4 finish (Satin).
   e. Lockset: Tumbler type for waste-receptacle.
6. Paper Towel Dispenser: (TA-6)
   a. Basis-of-Design Product: Bobrick B-4264.
   b. Mounting: Surface Mounted.
   c. Capacity: Dispenses 400 C-fold or 525 multifold paper towels.
   d. Materials: type-304 stainless steel, 22 gauge with satin finish.
   e. Lockset: Tumbler lock.
7. Sanitary-Napkin Dispenser Unit: (TA-7)
   a. Basis-of-Design Product: Bobrick B-354 Partition Mounted.
   b. Mounting: Recessed in Toilet Partition.
   c. Door or Cover: Self-closing, hinged face panel with tumbler lockset.
   d. Material & Finish: 18-8S, type 304 stainless steel, 22 gauge with satin finish.
   e. Waste Receptacle: Removable rigid molded olyethylene.
8. Mirror Unit: (TA-8)
   a. Basis-of-Design Product: Bobrick 290 2436 Framed Mirror.
   b. Hangers: Wall bracket of galvanized steel, equipped with concealed locking devices requiring a special tool to remove.
   c. Corners: Welded and ground smooth.
   d. Frame: 18-8 S, type 304, heavy-gauge stainless steel, 3/4" x 3/4" angle with vertical-grain satin finish. One piece, roll formed constuction with continuous integral stiffener on all sides.
   e. Size: 24"W x 36"H.
9. Warm-Air Dryer: (TA-9)
   a. Basis-of-Design Product: Excel Dryer Inc., which is located at: 357 Chestnut St. P. O. Box 365 ; East Longmeadow, MA 01028; Tel: 413-525-4531; Email: request info (sales@exceldryer.com); Web: www.exceldryer.com
      1) Mounting: Recessed Mounted.
         (a) Recess Kit: ADA compliant recess kit is fabricated of 22 GA 18-8 type 304 stainless steel with #4 satin finish with 16 GA18-8 type 304 stainless steel dryer mounting plate. All welded construction. 16-3/8 inches (416 mm) wide by 26 inches (660 mm) high by 3-3/8 inches (86 mm) deep.
      2) Finish: Electostatically applied, chip resistant, textured graphite paint (grey)
      3) Noise Reduction Nozzle: 1.1 noise reduction nozzle. Reduces air deflection noise and decibel level by 9db.
      4) Operation: Completely sealed control assembly and optics for protection against moisture, lint/dust and vandalism. Automatic, activated by infrared optical sensor. Operates while hands

are under blower. Shut-off within 2 seconds when hands removed or in 35 seconds if hands not removed.
5) Operation time: 35 seconds.
6) Cover Material and Finish: die-cast aluminum casing.
7) Warranty: Five years
8) Electrical Requirements: 110-120V, Single Phase, 60 Hz..

B. Custodial Accessories: (for Janitor - 122)
1. Mop and Broom Holder: (TA-12)
a. Basis-of-Design Product: Bobrick B-223x36.
b. Dimensions: 36" Long x 5" H Mop/Broom Holder.
c. Mop & Broom Holders: Spring loaded rubber cams with anti-slip coatings. Powder coated steel retainers.
d. Materials: 18-8S, type 304 stainless steel, 22 gauge with satin finish.

2.02 TOILET ROOM ACCESSORIES

A. Grab Bars: Stainless steel, nonslip grasping surface finish.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify existing conditions before starting work.

B. Verify exact location of accessories for installation.

3.02 PREPARATION

3.03 INSTALLATION

A. Install accessories in accordance with manufacturers' instructions.

B. Install plumb and level, securely and rigidly anchored to substrate.

C. Mounting Heights and Locations: As required by accessibility regulations and as indicated on drawings.

END OF SECTION

SECTION 10 44 00
FIRE PROTECTION SPECIALTIES

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Fire extinguishers.

B. Fire blankets.

C. Fire extinguisher cabinets.

D. Accessories.

1.02 RELATED REQUIREMENTS

A. Section 06 10 00 - Rough Carpentry: Wood blocking product and execution requirements.

1.03 REFERENCE STANDARDS

A. NFPA 10 - Standard for Portable Fire Extinguishers; 2010.

B. UL (FPED) - Fire Protection Equipment Directory; Underwriters Laboratories Inc.; current edition.

1.04 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

B. Shop Drawings: Indicate cabinet physical dimensions.

C. Product Data: Provide extinguisher operational features.

D. Manufacturer's Installation Instructions: Indicate special criteria and wall opening coordination requirements.

E. Manufacturer's Certificate: Certify that products meet or exceed specified requirements.

F. Maintenance Data: Include test, refill or recharge schedules and re-certification requirements.

1.05 FIELD CONDITIONS

A. Do not install extinguishers when ambient temperature may cause freezing of extinguisher ingredients.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Fire Extinguishers:
   1. Ansul, IncSentry: www.ansul.com.
   2. Pyro-Chem: www.pyrochem.com.
   3. Substitutions: See Section 01 60 00 - Product Requirements.

B. Fire Extinguisher Cabinets and Accessories:
   1. JL Industries, Inc; Product Ambassador Series 1812: www.jlindustries.com.
   2. Larsen's Manufacturing Co; Product Architectural Series Vertical Duo w/ recessed ADAC handle: www.larsensmfg.com.
   3. Potter-Roemer; Product 1700-dv: www.potterroemer.com.
   4. Substitutions: See Section 01 60 00 - Product Requirements.

2.02 FIRE EXTINGUISHERS

A. Fire Extinguishers - General: Comply with product requirements of NFPA 10 and applicable codes, whichever is more stringent.
   1. Provide extinguishers labeled by UL for the purpose specified and indicated.

2.03 FIRE EXTINGUISHER CABINETS

A. Metal: Formed primed steel sheet; 0.036 inch thick base metal.

B. Cabinet Configuration: Semi-recessed type.
   1. Sized to accommodate accessories.
   2. Trim: Returned to wall surface, with 4 inch projection, 2 inch wide face.

3. Form cabinet enclosure with right angle inside corners and seams. Form perimeter trim and door stiles.

C. Door: 0.036 inch thick, reinforced for flatness and rigidity; latch. Hinge doors for 180 degree opening with continuous piano hinge. Provide nylon catch.

D. Door Glazing: Glass, clear, 1/8 inch thick float. Set in resilient channel gasket glazing.

E. Cabinet Mounting Hardware: Appropriate to cabinet. Pre-drill for anchors.

F. Weld, fill, and grind components smooth.

G. Finish of Cabinet Exterior Trim and Door: Baked enamel, color as selected.

H. Finish of Cabinet Interior: White enamel.

2.04 ACCESSORIES

A. Fire Blanket: Fire retardant treated wool; red, 62 x 84 inch size. Provide as science labs

B. Extinguisher Theft Alarm: Battery operated alarm, 10 second delay for disarming, activated by opening cabinet door.

C. Graphic Identification: White Vertical Lettering.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify existing conditions before starting work.

B. Verify rough openings for cabinet are correctly sized and located.

3.02 INSTALLATION

A. Install in accordance with manufacturer's instructions.

B. Secure rigidly in place.

C. Place extinguishers and accessories in cabinets.

END OF SECTION

SECTION 10 51 00
LOCKERS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Locker units with hinged doors.

B. Metal tops and filler panels.

1.02 RELATED REQUIREMENTS

A. Section 03 30 00 - Cast-in-Place Concrete: Concrete base construction.

1.03 REFERENCE STANDARDS

A. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2010.

1.04 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

B. Product Data: Provide data on locker types, sizes and accessories.

C. Shop Drawings: Indicate locker plan layout, numbering plan and combination lock code.

D. Manufacturer's Installation Instructions: Indicate component installation assembly.

1.05 DELIVERY, STORAGE, AND HANDLING

A. Protect locker finish and adjacent surfaces from damage.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Lockers:
   1. Basis of Design: Acceptable Manufacturer: Penco Products, Inc., which is located at: 2024 Cressman Rd. P. O. Box 158 ; Skippack, PA 19474-0158; Toll Free Tel: 800-562-1000; Tel: 610-666-0500; Fax: 610-666-7561; Email: General@PencoProducts.com; Web: www.pencoproducts.com
   2. Lyon Workspace Products: www.lyonworkspace.com.
   3. Penco Products, Inc: www.pencoproducts.com.
   4. Republic Storage Systems Co: www.republicstorage.com.
   5. Substitutions: See Section 01 60 00 - Product Requirements.

2.02 MATERIALS

A. Sheet Steel: ASTM A 653/A 653M SS Grade 33/230, with G60/Z180 coating, stretcher leveled; to the following minimum thicknesses:
   1. Body and Shelf: 24 gage, 0.024 inch.
   2. Door Outer Face: 18 gage, 0.048 inch.
   3. Door Inner Face: 20 gage, 0.036 inch.
   4. Door Frame: 16 gage, 0.060 inch.
   5. Hinges: 14 gage, 0.075 inch.
   6. Sloping Top: 20 gage, 0.036 inch.
   7. Trim: 20 gage, 0.036 inch.

B. Accessories For Each Locker: Two single prong wall hooks, coat hanger bar.

2.03 LOCKER UNITS

A. Width: 18 inches

B. Depth: 18 inches

C. Height: 60 inches

D. Configuration: Single tier.

E. Mounting: Surface mounted.

F. Base: Fabricate for concrete base.
   1. Base Height: 4 inch.

G. Top: Sloped metal with closures.

H. Locking: Equipped for combination locks.

I. Ventilation Method: Door louvers.

J. Class: Conventional.

K. Locker Body: Formed and flanged; with steel stiffener ribs; electric spot welded.

L. Frames: Formed channel shape, welded and ground flush, welded to body, resilient gaskets and latching for quiet operation.

2.04 FINISHING

A. Clean, degrease, and neutralize metal; prime and finish with one coat of baked enamel.

B. Paint locker units 1 color, as selected.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that prepared bases are in correct position and configuration.

B. Verify bases and embedded anchors are properly sized.

3.02 INSTALLATION

A. Install in accordance with manufacturer's instructions.

B. Install lockers plumb and square.

C. Place and secure on prepared base.

D. Secure lockers with anchor devices to suit substrate materials. Minimum Pullout Force: 100 lb.

E. Bolt adjoining locker units together to provide rigid installation.

F. Install end panels, filler panels, and sloped tops.

G. Install accessories.

H. Replace components that do not operate smoothly.

3.03 CLEANING

A. Clean locker interiors and exterior surfaces.

3.04 SCHEDULES

A. Kitchen, Room F108D. Provide a total of eight, four tier lockers. 32 individual lockers.

END OF SECTION

SECTION 10 75 00
FLAGPOLES

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Ground-Set Flagpoles.

B. Accessories

1.02 REFERENCE STANDARDS

A. ASTM B241/B241M - Standard Specification for Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube; 2010.

1.03 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

B. Product Data: Provide data on pole, accessories, and configurations.

C. Shop Drawings: Indicate detailed dimensions, base details, anchor requirements, and imposed loads.

D. Maintenance Data: Provide lubrication and periodic maintenance requirement schedules and .

1.04 QUALITY ASSURANCE

A. Designer Qualifications: Design flagpole foundation under direct supervision of a Professional Structural Engineer experienced in design of this Work and licensed Texas.

1.05 DELIVERY, STORAGE, AND HANDLING

A. Spiral wrap flagpole with protective covering and pack in protective shipping tubes or containers.

B. Protect flagpole and accessories from damage or moisture.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Acceptable Manufacturer:
   1. American Flagpole: www.americanflagpole.com.
   2. Concord Industries, Inc: www.concordindustries.com.
   3. Pole-Tech Co., Inc: www.poletech.com.
   4. Substitutions: See Section 01 60 00 - Product Requirements.

2.02 GROUND SET FLAGPOLES

A. Acceptable Product: Concord Continental Ground Set Flagpole.

B. Flagpoles: Aluminum.
   1. Design: Cone tapered.
   2. Mounting: Ground mounted type.

C. Shaft:
   1. Material: Seamless cone-tapered aluminum tubing conforming to ASTM B 241/B 241M, Alloy 6063, Temper T6.
   2. Nominal Height: 30 ft; measured from nominal ground elevation.
   3. Finish: Polished to deep luster sheen; clear anodized finish conforming to AA M32-C22-A41.

D. Truck: Cast aluminum housing and spindle, with one 2 3/8" inches diameter cast nylon sheave(s); revolving mounting with 26 stainless steel ball bearings, non-fouling.

E. Halyard: #10 limited stretch braided white polypropylene halyard fitted with two chrome swivel snaps.

F. Cleat: One 9" cast aluminum cleat with finish to match shaft. Secured with two stainless steel socket head bolts.

G. Performance Requirements:
   1. Flagpole With Flag Flying: Resistant without permanent deformation to 120 miles/hr wind velocity; non-resonant, safety design factor of 2.5.

2. Flagpole Without Flag: Resistant without permanent deformation to 120 miles/hr wind velocity; non-resonant, safety design factor of 2.5.

2.03 ACCESSORIES

A. Ground Sleeve: Galvanized steel components as follows:
   1. Foundation tube: Corrugated, 16 gage, diameter and lenght specified in manufacturer's descriptive literature for indicated flagpole height; centered on, and welded to face of base plate.
   2. Base Plate; Square, side dimensions 4 inches greater than inside dimension of foundation tube.
   3. Ground Spike: 3/4 inch diameter, 18 inches long; centered on, and welded to face of base plate opposite foundation tube attachment.
   4. Setting Plate: 6 inches square, with drilled hole at center for attachment to ground spike; welded perpendiculat to length of ground spike 6 inches from base plate

B. Cleat Covers: Aluminum housing, finish matching shaft, with key-operated cylinder lock, keyed alike for multiple units; two keys supplied for each lock.

2.04 MIXES

A. Concrete: 3000 pounds per square inch compressive strength at 28 days; 6 percent air entrainment.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that concrete foundation is ready to receive work and dimensions are as indicated on shop drawings.

B. Verification of Conditions: Anchoring devices are correct type, and in correct location, in accordance with approved shop drawings and manufacturer's instructions.

C. Installer's Examination:
   1. Have installer of this section examine conditions under which construction activities of this section are to be performed, then submit written notification if such conditions are unacceptable.
   2. Beginning construction activities of this section before unacceptable conditions have been corrected is prohibited.
   3. Beginning construction activities of this section indicates installer's acceptance of conditions.

3.02 PREPARATION

A. Coat metal sleeve surfaces below grade and surfaces in contact with dissimilar materials with asphaltic paint.

3.03 INSTALLATION

A. Install flagpole components and accessories in accordance with approved shop drawings and manufacturer's installation instructions.

B. Ground Sleeve:
   1. Excavate in undisturbed soil to indicated depth, width, and length, providing shoring for unstable soil conditions; remove non-soil materials from excavation.
   2. Coat surface of ground sleeve assembly, and surfaces of shaft that will be installed below grade, with bituminous paint, minimum 5 mil dry film thickness (DFT).
   3. Place ground sleeve assembly in excavation, locating as indicated; drive ground spike into undisturbed soil to extent that base plate is flush with bottom of excavation.
   4. Place concrete in excavation immediately after mixing, using chute to deliver concrete to placement; surround ground sleeve with concrete, placing concrete to finish grade, and compacting with vibrators.
   5. Slope concrete surface from top of ground sleeve to grade for water run-off to grade; screed concrete surface to smooth trowel finish.
   6. Moist-cure concrete surface; allow concrete to attain full 28-day compressive strength before installing flagpole

3.04 TOLERANCES

A. Maximum Variation From Plumb: 1 inch.

3.05 ADJUSTING

A. Adjust operating devices so that halyard and flag function smoothly.

END OF SECTION

SECTION 11 11 19
VEHICLE LUBRICATION EQUIPMENT

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Bulk lubrication dispensing system for the proposed referenced project in accordance with to the specifications listed herein.
   1. SCOPE
      a. Furnish labor and materials to install a bulk lubrication distribution system consisting of engine oils (15w-40, 5w-30, 5w-20), hydraulic oil, engine coolant, and chassis grease dispensed to a hose reel bank (located per plan). Scope also includes a waste evacuation system consisting of a double diaphragm pump station (used oil) to use in connection to owner furnished portable receivers. An overfill prevention valve shall be incorporated into the system to prevent the overflow of waste oil at the tank. All lubrication equipment shall be provided by a single source manufacturer, no substitutions shall be allowed without the written consent from the Project Manager. Examples of equipment brands and part numbers are for example only and represent the minimum specification allowable by the city. Bidders are required to provide the manufacturer's brochures and reference 14 days prior to bid opening to receive approval of equipment as equivalent. Additionally, prospective bidder must provide references from a minimum of five different users of equipment if bidding other than specified.
      b. System must be designed, fabricated, and installed by a contractor with no less than five years experience with projects this size and scope. All piping in the system must be run as high as possible, without obstructing existing electrical, plumbing, or HVAC systems.
   2. All prospective bidders must be present at pre-bid conference for further clarification of the scope of this project. It is the responsibility of the prospective bidder to verify all dimensions and installation requirements prior to submittal of bid.

PART 2 INSTALLATION

2.01 INSTALLATION

A. It will be the responsibility of the successful bidder to install, test and instruct the operation of the lubrication system to the manufacturers' specifications. Failures caused by non-compliance of those specifications will be the responsibility of the contractor. One portion of the installation procedures is being emphasized as follows, but in no way minimizes the remaining manufacturers' installation requirements.

B. Blow all air lines clean before making final connections.

C. Flush lubricant lines with non-flammable liquids (diesel, kerosene, lubricant) to remove all foreign materials prior to installing control valves.

D. Each line shall be flushed with the pump to be used on that line.

E. After lines have been flushed, control valves are to be installed and the system pressure tested for leaks.

F. All hoses from reel are to be adjusted to 6' of floor.

2.02 CODES AND APPROVALS

A. It is the responsibility of the successful bidder to comply with all governing bodies having jurisdiction over projects of this nature. Furthermore, this project shall be completed within the guidelines set forth in:
   1. NFPA - latest edition and all other NFPA standards
   2. State of Texas Administrative Codes
   3. Applicable Local Codes
   4. Fire Insurance Requirements
   5. Successful contractor shall be responsible for all necessary permits required for the installation of equipment for this project.

2.03 CONTRACTOR REQUIREMENTS

Successful bidder must have a minimum of five years experience in the installation of equipment of this type. All prospective bidders should be prepared to offer a minimum of three referrals from the past two years. Successful bidder shall provide proof of general liability insurance for a minimum of $500,000. Successful bidder shall have a maximum of 30 days in which to complete the project and must coordinate the installation schedule with the Maintenance Facility Manager. Successful bidder shall warrant their workmanship for a period of one year. Successful bidder shall also be authorized in writing by the manufacturer in the installation and training of the system, and provide a factory representative present at the final inspection and training of the systems operation and maintenance. All bidders will be required to submit along with their quotation all brochures and documents verifying that the equipment supplied meets or exceeds the following specifications.

2.04 PIPING

A. All piping for lubricant shall be run in 5/8" steel seamless tubing, .035" wall thickness, and matching fittings. Minimum system working pressure shall be no less than 2396

B. PSI. Piping for chassis grease shall be run in 5/8" steel seamless tubing, .089" wall thickness. Piping shall be attached to walls roof rafters using appropriate brackets. Pumps and reels shall be shall be isolated from tubing with flexible hose with swivels and shut-off valves. Piping for waste oil shall be 1" schedule 40 pipe secured as to prevent movement when waste pumps are operating. Air line for the waste oil pumps shall be ½" schedule 40 black pipe and be plumbed through overfill prevention valve located in the waste oil tank.

2.05 MOTOR OILS AND HYDRAULIC OIL PUMPS

A. Graco 275 gallon (1040 l) length pump, 5:1 ratio, pneumatically operated, double-ball and double acting pump. Air motor diameter is 3" (7.6 cm) with a 3" (7.6 cm) stroke. The air motor, air motor valves and lower pump are to be of the "in-line" design. The air motor assembly has four moving members. The normal air requirements are 40-180 psi (2.8-12.5 bar) with air consumption of 18 scfm @100 psi (7 bar). Maximum fluid pressure of 900 psi (62 bar) and a continuous duty flow rate of 3 gpm (11.4 lpm). Included with package shall be a pump (222087), thermal relief bung adapter (237-893), hose/fitting kit (222063). Hose/fitting kit includes 6ft. (1.8m) x ½" fluid hose, 6ft. (1.8m) x 3/8" air hose, and fittings. Pump must have a 30 year limited warranty. All pumps shall be provided with an air pressure regulator with gauge and filter (model #110-150). Pumps shall have thermal relief and low-level cut-off.

2.06 ENGINE COOLANT PUMP

A. Graco model 244-682 diaphragm pump system is to be supplied for bulk dispensing of pre-mixed engine coolant from 55 gallon drums. System shall consist of a ¾" double diaphragm pump mounted on a wall bracket and equipped with filter/regulator/lubricator controls and suction hose.

2.07 CHASSIS GREASE PUMP

A. Graco 400 lb. (180 kg) length package, 50:1 ratio, pneumatically operated, double-ball and double acting pump. Air motor diameter is 3" (7.6 cm) with a 3" (7.6 cm) stroke. The air motor, air motor valves and lower pump are to be of the "in-line" design. The air motor assembly has four moving members. The normal air requirements are 40-180 psi (2.8-12.5 bar) with air consumption of 22.8 scfm @100 psi (7 bar). Maximum fluid pressure of 8400 psi (580 bar) and a continuous duty flow rate of 1.82lbs/min (.83kg/min). Package includes a pump (239888), hose/fitting kit (222072), cover (200328) and follower plate (223845). Hose/fitting kit includes 1/4" x 6ft. (1.8m) fluid hose, 3/8" x 6ft. (1.8m) air hose, and fittings. Pump must have a 30 year limited warranty. Graco model 225-016 Grease Pump Kit.

2.08 MOTOR OIL AND HYDRAULIC OIL REELS

A. Graco SD series heavy duty, spring powered open reel. Equipped with 1/2 x 50ft. (15.3m) hose for oil supply, rated for 2000 psi. Reel to have an easy "slide-in" mounting ability, fully ported hub for fast dispense, a ZA12 (zinc alloy) ratchet for anti-sparking applications, adjustable position arm, heavy gauge steel construction, 50% radial latch area, external brass swivel housing for corrosion resistance, anti-galling and easy service, repairable guide rollers and a long return-spring life. A 3/8" x 24" (.6 m) medium pressure hose inlet kit must be ordered for each reel in the system (218550). All reels shall be mounted on factory supplied mounting channels. Reels must be warranted for a minimum of 5 years.

2.09 GREASE REELS

A. Graco SD series heavy duty, spring powered open reel. Equipped with 1/4 x 50ft. (15.3m) hose for grease supply. Reel to have an easy "slide-in" mounting ability, fully ported hub for fast dispense, a ZA12 (zinc alloy) ratchet for anti-sparking applications, adjustable position arm, heavy gauge steel construction, 50% radial latch area, external brass swivel housing for corrosion resistance, anti-galling and easy service, repairable guide rollers and a long return-spring life. A 1/4" x 24" (.6m) high pressure hose inlet kit must be ordered for each reel in the system. Reels must be warranted for a minimum of 5 years.

2.10 ENGINE COOLANT AND WATER REELS

A. Graco SD series heavy duty, spring powered open reel. Equipped with 1/2 x 50ft. (15.3m) air hose, rated for 300 psi. Reel to have an easy "slide-in" mounting ability, fully ported hub for fast dispense, a ZA12 (zinc alloy) ratchet for anti-sparking applications, adjustable position arm, heavy gauge steel construction, 50% radial latch area, external brass swivel housing for corrosion resistance, anti-galling and easy service, repairable guide rollers and a long return-spring life. A 3/8" x 24" (.6 m) medium pressure hose inlet kit must be ordered for each reel in the system (218550). All reels shall be mounted on factory supplied mounting channels. Reels must be warranted for a minimum of 5 years.

2.11 METERED CONTROL VALVES

A. SDP5 electronic preset meter with a 75° 3/8" rigid extension for metric measurement. Meter to have range of .26-5 gpm (1-18.9 lpm) and operating pressure range for oil from 45-1000 psi (3.1-69 bar), and an operating pressure range for gear lube from 20-1000 psi (1.4-69 bar). Meter accuracy + .5% and repeatability of + .15%. Meters must include calibration adjustment. Operating temperature range is 32-120°F (-34.4-48.8°C). Valve equipped with trigger guard, and is re-settable for daily, weekly or lifetime dispense reports. Meters shall be provided for motor oils, hydraulic oil and coolant. Meter must have a 5 year limited warranty.

2.12 GREASE VALVES

A. Pro-Shot grease dispense valve with ¼" npt(f) fluid inlet, coupler and nozzle. Maximum working pressure is 8000 psi (552 bar). Valve must include Z swivel. Graco 246-056 valve and 202-577 Z swivel.

2.13 LUBRICATION TANKS

A. Lubrication tank shall be a minimum of 280 gallon double-walled and rectangular in shape. Tank shall be single wall and carry a UL-142 label. Tank shall have the necessary openings required to mount a lubrication pump, fill cap, vents, etc, as required by local codes. Tanks shall be primed and coated in an enamel epoxy coating. Tanks shall be provided for motor oil, ATF and waste oil. Waste coolant shall be 300 gallon single wall poly tanks with a minimum of two (2) bungs to allow for product piping and overflow valve. Example: Atlantic Fabritech Model AF280DL

2.14 WASTE OIL EVACUATION SYSTEM

A. Husky 1050 diaphragm pump (1") used oil evacuation system is supplied with pump (236265), wall bracket (189233), air installation kit (240684), fluid installation kit (240685), and drum style adapter kit (240832). Fluid installation kit includes 4ft. (1.2m) and 10ft. (3.1m) fluid hoses, ball valve, and fittings. Drum style adapter kit to include ball valve camlock male and female couplers, and fittings. Pump must have a 15 year limited warranty on the air valve center section and an overall 5 year limited warranty on the pump. System shall include a overfill prevention valve (116-229) in the waste oil tank plumbed into each evacuation station. One-way check valves and "y" strainers shall also be incorporated into the waste oil line. Example: Graco model 24F166 for waste oil.

2.15 WASTE OIL TANK

A. Lubrication tank shall be a minimum of 500 gallon double-walled and rectangular in shape. Tank shall be single wall and carry a UL-142 label. Tank shall have the necessary openings required to mount a lubrication pump, fill cap, vents, etc, as required by local codes. Tanks shall be primed and coated in an enamel epoxy coating. Tanks shall be provided for motor oil, ATF and waste oil. Waste coolant shall be 300 gallon single wall poly tanks with a minimum of two (2) bungs to allow for product piping and overflow valve. Example: Atlantic Fabritech Model AF500DL.

END OF SECTION

SECTION 12 32 16
MANUFACTURED PLASTIC-LAMINATE-CLAD CASEWORK

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Manufactured plastic laminated casework, hardware and related accessories.

1.02 RELATED SECTIONS

A. Section 06 10 00 - Rough Carpentry: Wood blocking in walls for support of wall cabinets.

B. Section 09 65 00 - Resilient Flooring.

C. Division 15 - Mechanical: Sinks, service fixtures, and their installation and final connections.

D. Division 16 - Electrical: Electrical connections.

1.03 REFERENCES

A. American National Standards Institute:
   1. ANSI A156.9 - Cabinet Hardware.
   2. ANSI A161.1 - Woodwork Testing Standards
   3. ANSI A208.1 - Mat-Formed Wood Particleboard.

B. Architectural Woodwork Institute:
   1. AWI - Quality Standards Illustrated.

C. National Electrical Manufacturers Association:
   1. NEMA LD 3 - High Pressure Decorative Laminates.

D. Composite Panel Association
   1. Technical Bulletin - Particleboard and MDF for Shelving

1.04 DEFINITIONS

A. Identification of casework components and related products by surface visibility.
   1. Balanced construction: High pressure laminate or cabinet liner shall be installed on both sides of core to restrict warpage in accordance with AWI Quality Standards Illustrated Section 400B-T-2.
   2. Open Interiors: Open unit without solid door and drawer fronts, and units with full glass insert or acrylic doors.
   3. Closed Interiors: Closed unit behind solid door, drawer fronts, and sliding solid doors.
   4. Exposed Ends: Exterior side surface that is visible after installation.
   5. Other Exposed Surfaces: Faces of doors and drawers when closed and tops of cabinets less than 72 inches above finished floor.
   6. Semi-Exposed Surfaces: Interior surfaces which are visible, bottoms of wall cabinets and tops of cabinets 72 inches or more above finished floor.
   7. Concealed Surfaces: Any surface not visible after installation.

1.05 PERFORMANCE REQUIREMENTS

A. Unless otherwise indicated, perform work in accordance with AWI “Quality Standards Illustrated”, Custom Grade, except where specification exceeds those standards, the more stringent shall govern.

B. Submit certified product test data in accordance with ANSI A161.1, NEMA LD3, and general static load testing performed and certified by an independent testing agency, covering the following areas of product performance, with these minimum results:
   1. Base cabinet construction/racking test: 800 lbs.
   2. Cabinet front joint loading test: 425 lbs.
   3. Wall cabinet static load test: 2,000 lbs.
   4. Drawer front joint loading test: 600 lbs.
   5. Drawer construction/static load test: 750 lbs.
   6. Cabinet adjustable shelf support device/static load test: 300 lbs.

C. Shelf Loading: Comply with loading/deflection standards of the Composite Panel Association.

1.06 SUBMITTALS

A. Product Data:
   1. Manufacturer's specifications and other data needed to prove compliance with specified requirements.
   2. Manufacturer's preprinted product information for all hardware proposed on the project.
   3. Manufacturer's preprinted maintenance instructions for the casework hardware.

B. Shop Drawings:
   1. Indicate size, material and finish.
   2. Show locations and installation procedures, including hardware, sinks, service fixtures, trim and other pertinent data for each unit.

C. Test Data: Certified product test data in accordance with ANSI A161.1, NEMA LD3, and general static load testing performed and certified by an independent testing agency, covering the areas of product performance, as described below.

D. Certification: Provide AWI Quality Certification Program certification for casework fabrication indicating manufacturer's registration with AWI Quality Certification Program.

E. Samples: Two (2) each, 6 inch by 6 inch by 3/4 inch sample of specified particleboard core with grade stamp for use as verification of installed product.

1.07 QUALITY ASSURANCE

A. Manufacturer: Minimum of five (5) years experience in providing manufactured casework systems for similar types of projects, produce evidence of financial stability, bonding capacity, and adequate facilities and personnel required to perform on this project.

B. Manufacturer: Products certified as meeting or exceeding ANSI-A 161.1 testing standards.

C. Delivery conference: 48 hours prior to delivery, notify Architect of delivery date and time. At the Architect's discretion, a representative of the Architect may be present at the time of delivery. Casework not conforming to the specified requirements, as reasonably determined by the Architect's representative, shall be removed and returned to manufacturer for repair or replacement at no additional cost to the Owner or increase in time.

1.08 PRE-INSTALLATION CONFERENCE

A. Section 01 11 00 - Notification of Architect Requirements.

1.09 PRODUCT HANDLING

A. Deliver completed laminate clad casework, countertops and related products only after wet operations in building are completed. Store in ventilated place, protected from the weather, with relative humidity range of 20 to 50 percent.

B. Protect finished surfaces from soiling and damage during handling and installation with a protective covering.

1.10 JOB CONDITIONS

A. Environmental Requirements: do not install casework until permanent HVAC systems are operating and temperature and humidity have been stabilized for at least one (1) week.
   1. Manufacturer/Supplier shall advise Contractor of temperature and humidity requirements for architectural casework installation areas.
   2. After installation, control temperature and humidity to maintain relative humidity between 25 and 55 percent.

B. Conditions: Do not store or install casework in building until concrete, masonry, and drywall/plaster work is dry.

1.11 COORDINATION

A. Coordinate the Work of this Section with plumbing work specified in Division 15. Coordinate sink opening construction with sinks specified in Division 15.

B. Coordinate location of blocking in walls for installation and support of wall cabinets.

1.12 WARRANTY

A. Warranty the work specified herein for five (5) years against becoming unserviceable or causing an objectionable appearance resulting from either defective or nonconforming materials and workmanship.

B. Defects shall include, but not be limited to the following:
   1. Rough or difficult operation, or loose or missing parts.
   2. Delamination of surfaces.
   3. Noticeable deterioration of finish.
   4. Warped or misaligned surfaces or telegraphing of subsurface imperfections.

1.13

PART 2 - PRODUCTS

2.01 CASEWORK MANUFACTURERS

A. The intent of this specification is to define a level of craftsmanship necessary to provide for the Owner and Architect a well designed and quality system of manufactured cabinets and casework.
   1. Basis-of-Design Product: Subject to compliance with requirements, Casework Standards: Casework shall be provided by Stevens Advantage 1100 Tradition Series Casework. Catalog numbers and specification details shall be based on product offerings of (Stevens Industries, Inc., Teutopolis, Illinois. Please direct all inquiries to Jay Wright @ 1-800-344-2821, A. Bargas and Associates, LLC.) Configuration, size, material options, offerings, and quality to be adhered to.

B. Manufacturers listed below are certified by AWI Quality Certification Program and are listed for the Contractor's convenience only and shall not preclude the Contractor from using other manufacturers, provided they produce equivalent products of the type specified for the scope and size of the Project. Other manufacturers must have experience manufacturing products meeting or exceeding the specifications and must comply with the criteria specified in paragraph 1.5C above and with Division 1 requirements regarding substitutions.
   1. Casework:
      a. AAE Manufacturing, Inc. , Rio Hondo, TX; (956) 748-0033
      b. LSI Corporation of America, Inc., Minneapolis, MN; (763) 559-4664
      c. TMI Systems Design Corp., Dickenson, ND; (701) 225-6716

2.02 MATERIALS

A. Low-Emitting Materials: Fabricate manufactured wood casework, including countertops, with adhesives and composite wood products containing no urea formaldehyde.

B. Low-Emitting Materials: Adhesives and composie wood products shall comply with the testing and product requirements of the California Department of Health Services "Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers".

C. Maximum Moisture Content for Lumber: 7 percent for hardwood and 12 percent for softwood.

D. Hardwood Plywood: HPVA HP-1, either veneer core or particleboard core unless otherwise indicated.

E. Particleboard: ANSI A208.1, Grade M-2.

F. MDF: ANSI A208.2, Grade 130.

G. Plastic Laminate: High-pressure decorative laminate complying with NEMA LD3, and the following requirements:

H. Architect to select from minimum of 250 selections available, including wood grain patterns and solid colors.

I. Provide 5 different colors available per project.

J. If laminate has wood grain, direction of grain shall be vertical on door, end panels, fascia panels, and exposed backs; horizontal on drawer faces, aprons, and top rails.

K. 4. Laminate grades:
   1. Exposed doors, finished end panels, and other vertical surfaces: GP28 (0.028 inch thick nominal)
   2. Horizontal surfaces other than top: GP28 (0.028 inch thick nominal)
   3. Cabinet Liner: CL20 (0.020 inch nominal), white.

4. Work Surfaces and Countertops: GP50 (0.050 inch thick nominal) with BK20 (0.20 inch thick) backer sheet.
5. Backsplash: PH42 (0.042 inch nominal) with nominally balanced backer sheet.

L. Adhesive: PVA water resistant adhesive. Contact adhesives not permitted.

M. Pressure Fused Laminate:
1. NEMA LD3 VGL, and NEMA LD3 CLS, Melamine resin impregnated, 120 gram PSM minimum, thermofused to core under pressure.
2. Color: 1) Closed interiors, underside of wall cabinets: White. 2) Exposed and Semi-exposed open cabinets: Match exterior.
3. Provide balanced construction with same thermofused melamine. Unsurfaced coreboard or simple backers not allowed.

N. Core Material:
1. Particleboard: ANSI 208.1, minimum 45 pcf density, Grade M-3.
2. Plywood: Exterior grade, hardwood faced, any species, with no defects affecting strength or utility. Overlay plywood not permitted.
3. Cabinet components shall be of the following minimum core thicknesses:
4. Cabinet backs, drawer body, and drawer bottoms: 1/2 inch particleboard
5. Door and drawer face, base, wall, and tall cabinet tops and bottoms, cabinet sides, drawer spreaders, cabinet back rear hang strips, structural dividers, and exposed cabinet backs: 3/4 inch particleboard
6. Work surfaces and countertops: 1 inch particleboard, except use plywood core at counters with sinks.
7. Shelves: 3/4 inch particleboard core for 30 inches long or less, 1 inch thick particleboard core for more than 30 inches long; 14 inch deep, unless otherwise noted. Provide vertical dividers for shelves over 36 inches long.
8. Cabinet Toe-Base: 3/4 inch plywood. No particleboard within four (4) inches of floor.

O. Countertops and Backsplashes:
1. Countertops: Provide countertops with waterfall edge at work surfaces and no-drip edge at tops with sinks in as long as practical continuous lengths. Provide field glued splines at joints. No joints closer than 24 inches either side of sink cutout.
2. Backsplash: 4 inch high unless otherwise shown. No joint shall occur at sink openings. Provide backsplash set in full bead of sealant.
3. At exposed countertop end corners, provide 1 inch radius, or similar safety treatment.

P. Sinks: Refer to Division 15. Sizes as shown on drawings. Provide sealant at sink cut-outs.

Q. Service Fixtures: Refer to Division 15.
1. Toe Spaces: Leave toe spaces unfinished for installation of resilient base, unless otherwise shown.
2. End Panels and Filler Strips: Match adjacent case-piece.
3. Edging:
   a. Provide the following in accordance with “Edging Locations”:
      1) Flat Edge PVC: 0.020 inch. Solid, high-impact, purified, color-thru, acid resistant, machine-applied with hot melt adhesives.
      2) 3 mm PVC: Solid, high-impact, purified, color-thru, acid resistant, pre-lamination primed edging, machine-applied with hot melt adhesives, and machine profiled to 1/8 inch radius.
   b. Edging Locations:
      1) a. Cabinet body edge, including door/drawer front spacer rail: Flat Edge PVC, color matched to door/drawer face or as selected.
      2) b. Forward edge of interior body components, interior dividers, shelf, and top edges of drawer body: Flat Edge PVC to match cabinet interior surface color.
      3) c. Door/Drawer-Front edging: 3mm PVC, color matched to standard laminates.

2.03 CABINET HARDWARE

A. All hardware shall meet ANSI A156.9 and shall be subject to approval by the Architect. All keying shall match existing master key system and be approved by the Owner.
1. Acceptable Manufacturers:

a. Stanley
b. National
c. Knape & Vogt
d. Ives

2. Hinges:
   a. Heavy duty, five-knuckle 2 3/4 inch institutional type hinge shall meet ANSI/BHMA A156.9 Grade 1 requirements. Mill ground, hospital tip, Teflon coated tight pin feature with all edges eased. Hinge shall be full wrap around type of tempered steel 0.095 inch thick. Each hinge shall have minimum of 9 screws, #7, 5/8 inch FHMS to assure positive door attachment.
   b. One pair per door to 48 inch height. One and one-half pair over 48 inches in height. Hinge shall accommodate 13/16 thick laminated door and allow 270 degree swing.
   c. Finish: US26D.
      1) Pulls:
         (a) Wire design, 4 inches, Chrome, US26D finish.
      2) Sliding Door Hardware:
         (a) Frameless 1/4 inch glass sliding doors: double track rolling door assembly.
         (b) Framed 13/16 inch thick stile and rail sliding doors: top mounted track with dual roller hangers. Vertical adjustment for accurate alignment.
3. H. E. Drawer Slides:
   a. Standard Drawers: 3/4 extension, self-closing, white epoxy-coated, lever disconnect, positive in-stop/out-stop, nylon rollers, minimum 100 pound dynamic load rating at full extension.
   b. File Drawers: Full extension, 3-part progressive opening slide, precision steel ball bearing, minimum 100 pound dynamic load rating at full extension, zinc plated or epoxy coated at manufacturer's option.
   c. Provide body mounted molded rails for hanging file system for legal or letter size as indicated by manufacturer's model number. Cutting or machining of drawer body/face not permitted.
   d. Paper Storage Drawers: Full extension, self-closing, white epoxy-coated, lever disconnect, positive in-stop/out-stop, nylon rollers, minimum 150 pound dynamic load rating at full extension.
4. Catches: Provide opening resistance in compliance with the Americans with Disabilities Act.
   a. Provide top-mounted magnetic catch for base and wall cabinet door.
   b. Provide two at each tall cabinet door. Catch housing shall be molded in White.
5. Adjustable Shelf Supports:
   a. Dual-pin design with anti tip-up shelf restraints for both 3/4 inch and 1 inch shelves.
   b. Include keel to retard shelf slide-off, and slot for mechanical attachment of shelf to clip.
   c. Load rating shall be minimum 300 pounds each support without failure.
6. Wardrobe Rod: 1 inch diameter plated steel rod, with captive sockets.
7. L. Coat Hooks: Single and double prong, wall mount - Satin Aluminum.
8. M. Locks: Five-disk tumbler cam-style with strike. Locks on cabinets in same room keyed alike. Provide two
   a. (2) keys per room where doors and drawers are scheduled to receive locks. Dull chrome finish. Lock core shall be removable with a control key, permitting Owner to change lock arrangements without tools.

2.04 SPECIALTY ITEMS

A. Grommets:
   1. Size: 2-1/2 inches diameter with “Flip-Top”™ tab in cap.

B. Colors: As selected by Architect from manufacturer's available colors.
   1. Number/Location: Where electrical, telephone, and computer data wiring need to pass through tops whether shown or not.
   2. Approved Product/Manufacturer: Model No. EDP3 manufactured by Doug Mockett & Company, Inc., Manhattan Beach, CA; (800) 523-1269, or Architect approved equal.

C. P. Keyboard Drawers (Allow for 2 total at locations indicated by Architect):
   1. Locations: Provide one (1) at each knee space where shown on drawings.

D. Features:

1. Integrated sliding keyboard and mouse tray with wrist pad
2. 26.50 inches wide by 2.00 inches high by 13.75 inches deep
3. Three-position adjustable height
4. Color: Black
5. Approved Product/Manufacturer: Underdesk Comfort Keyboard Drawer No. ACOK60004 as manufactured by Kensington Technology Group, (800) 235-6708; or Architect approved equal.
6. Molded Personal Pencil Drawer: High-impact 100 Polystyrene with in-stop, out-stop, and self-closing features. Provide under top mounted 100 lb self-closing slides. Twelve compartment drawer body, and slides, Black. Provide where indicated on plans.

2.05 FABRICATION

A. Fabricate casework, countertops and related products to dimensions, profiles and details shown on drawings. Fabricate casework square, plumb, and true.

B. Detailed Requirements For Cabinet Construction:
   1. Toe-Base:
      a. Continuous, ladder type platform with concealed fastening to cabinet bottom, level and secured to floor
      b. Toe-base at exposed cabinet end panels shall be recessed 1/4 inch from face of finished end, for flush installation of finished base material.
      c. No cabinet sides-to-floor will be allowed.
   2. Cabinet Top and Bottom: 1) Solid sub-top shall be furnished for all base and tall cabinets. 2) At cabinets over 36 inches bottoms and tops shall be mechanically joined by a fixed divider. 3) Assembly devices shall be concealed on bottom side of wall cabinets.
   3. Cabinet Sides: 1) Doweled, and glued under pressure, or attached with fully concealed interlocking mechanical fasteners to sub-top and bottom. 2) Drill holes for adjustable shelves 1-1/4 inches on center.
   4. Cabinet Backs:
      a. Side bound, captured in grooves, recessed from cabinet rear, and securely fastened at top and bottom.
      b. Hang rails shall be located at rear of cabinet back and fastened to cabinet sides. Provide minimum of two (2) at base, two (2) at wall, and three (3) at tall cabinets as instructed by casework manufacturer.
      c. Provide removable back panels and closure panels for plumbing access at all sink cabinets, and where shown on drawings.
   5. Exposed end corner and face frame attachment:
      a. Butt joint, glued and finish nailed; or attached with fully concealed interlocked mechanical fasteners.
   6. Door and Drawer Fronts:
      a. Drawer fronts and hinged doors shall overlay the cabinet body. Maintain a maximum 1/8 inch reveal between pairs of doors, between door and drawer front, or between multiple drawer fronts within the cabinet.
      b. Where indicated, provide Stile and Rail doors with full 1/4 inch plate glass, hinged or sliding. Exposed lite-opening edges shall be trimmed and glazed with extruded glazing bead.
      c. Where indicated, frameless sliding glass doors shall be 1/4 inch thick plate glass with ground and polished edges. Fit with anodized aluminum shoes and nylon rollers.
   7. Drawers:
      a. Drawer fronts: apply to separate drawer body component sub-front.
      b. Drawer sides: doweled to receive front and back, glued under pressure, machine squared.
      c. Drawer bottom: set into front and sides, 1/4 inch deep groove with minimum 3/8 inch standing shoulder, continuously glued. Reinforce drawer bottoms with 1/2 inch by 4 inch front-to-back intermediate underbody stiffeners, mechanically fastened. One at 24 inches, two at 36 inches, and over.

C. Paper storage drawers: fitted with full width hood at back.

D. Vertical and Horizontal Dividers: As required by manufacturer for type and style of component.

E. Door/Drawer Front Rail: As required by manufacturer for type and style of component, and hardware placement.

F. ADA, Americans with Disabilities Act Requirements: The following special requirements shall be met, where specifically indicated on architectural plans as “ADA”, or by General Note. Shall be in compliance with Federal Register Volume 56, No. 144, Rules and Regulations:
   1. Countertop height: With or without cabinet below, not to exceed a height of 34 inches Above Finished Floor (A.F.F.), at a surface depth of 24 inches
   2. Kneespace clearance: minimum 29 inches A.F.F. at apron, and 30 inches clear span width.
   3. 12 inch deep shelving, adjustable or fixed: Not to exceed a range from 9 inches A.F.F. to 54 inches A.F.F.
   4. Wardrobe cabinets: Provide with rod/shelf adjustable to 48 inches A.F.F. at a maximum 21 inch shelf depth.
   5. Sink cabinet clearances: In addition to above, upper kneespace frontal depth shall be no less than 8 inches, and lower toe frontal depth shall be no less than 11 inches, at a point 9 inches A.F.F., and as further described in Volume 56, Section 4.19.

PART 3 EXECUTION

3.01 INSPECTION

A. Inspect the installed work of other trades and verity that such work is complete to the point where this installation may properly commence.

B. Verify that casework and equipment may be installed in accordance with the original design, pertinent codes, and regulations, and approved shop drawings.

C. Verify casework and equipment requiring power or other utilities, have power and other utilities ready for their installation.

D. In the event of discrepancy, immediately notify the Architect. Do not proceed with installation in areas of discrepancy until such discrepancies have been resolved.

3.02 INSTALLATION

A. Items of casework shall be uncrated, placed in proper location, assembled, leveled, and secured to wall, base or floor, when required, at locations indicated on the Architect's drawings. Apply and adjust hardware.

B. Plumbing and electrical items not specified in this Section shall be furnished under Division 15 and 16. The casework supplier shall be responsible for all cutouts necessary to receive plumbing items. Provide 'J' clamps to secure sinks to countertops.

C. Installation of work furnished by the various trades shall be coordinated to assure properly functioning equipment at the completion of the job.

D. Verify lengths of countertops, splashes, and bases. All units with exposed backs, interiors, ends and/or bases shall be plastic clad with colors as selected by Architect.

E. Provide backsplashes and end splashes wherever a back or end is next to a wall, where shown or not.

F. Provide matching fillers and scribes to fit cabinets to partitions, equipment, and columns.

G. Provide closure panels at top and bottom of wall hung cabinets at corner intersections

3.03 CLEANING AND PROTECTING

A. Clean finished surfaces, touch up as required, and remove or refinish damaged or soiled areas to match original factory finish, as approved by ERO Architects.

B. Protection: Provide 6-mil plastic or other suitable water-resistant covering over countertop surfaces. Tape to underside of countertop at a minimum of 48 inches o.c.. Remove protection at Substantial Completion.

END OF SECTION

SECTION 12 36 00
COUNTERTOPS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Countertops for manufactured casework.

B. Wall-hung counters and vanity tops.

1.02 RELATED REQUIREMENTS

A. Section 12 32 16 - Manufactured Plastic-Laminate-Clad Casework.

1.03 REFERENCE STANDARDS

A. ANSI A161.2 - Performance Standards for Fabricated High Pressure Decorative Laminate Countertops; 1998.

B. ANSI A208.1 - American National Standard for Particleboard; 2009.

C. AWI/AWMAC/WI (AWS) - Architectural Woodwork Standards; 2009.

D. NEMA LD 3 - High-Pressure Decorative Laminates; 2005.

E. PS 1 - Structural Plywood; 2009.

1.04 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

B. Shop Drawings: Complete details of materials and installation; combine with shop drawings of cabinets and casework specified in other sections.

C. Selection Samples: For each finish product specified, color chips representing manufacturer's full range of available colors and patterns.

D. Verification Samples: For each finish product specified, minimum size 6 inches square, representing actual product, color, and patterns.

E. LEED Report: Submit for wood products made from sustainably harvested wood, salvaged and reused wood, wood fabricated from recovered timber, and locally-sourced wood, as specified in Section 01 35 15.

1.05 QUALITY ASSURANCE

A. Fabricator Qualifications: Same fabricator as for cabinets on which tops are to be installed.

B. Installer Qualifications: Fabricator.

1.06 DELIVERY, STORAGE, AND HANDLING

A. Store products in manufacturer's unopened packaging until ready for installation.

B. Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.

1.07 FIELD CONDITIONS

A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

PART 2 PRODUCTS

2.01 COUNTERTOP ASSEMBLIES

A. Plastic Laminate Countertops: High pressure decorative laminate sheet bonded to substrate.
   1. Laminate Sheet, Unless Otherwise Indicated: NEMA LD 3 Grade HGS, 0.048 inch nominal thickness.
      a. Laminate Core Color: Same as decorative surface.
      b. Finish: Matte or suede, gloss rating of 5 to 20.
      c. Surface Color and Pattern: As selected by ERO Architects from the manufacturer's full line.
      d. Manufacturers:

1) Formica Corporation : www.formica.com.
2) Wilsonart International, Inc 4939k-18 Vapor Strands: www.wilsonart.com.
3) Substitutions: See Section 01 60 00 - Product Requirements.

2. Back and End Splashes: Same material, same construction.
3. Fabricate in accordance with AWI/AWMAC Quality Standards Illustrated Premium Grade.

2.02 ACCESSORY MATERIALS

A. Wood-Based Components:
   1. Wood fabricated from old growth timber is not permitted.

B. Plywood for Supporting Substrate: PS 1 Exterior Grade, A-C veneer grade, minimum 5-ply; minimum 3/4 inch thick; join lengths using metal splines.

C. Particleboard for Supporting Substrate: ANSI A208.1 Grade 2-M-2, 45 pcf minimum density; minimum 3/4 inch thick; join lengths using metal splines.

D. Adhesives: Must be LEED compliant. Chemical resistant waterproof adhesive as recommended by manufacturer of materials being joined.

E. Cove Molding for Top of Splashes: Rubber with semi-gloss finish and T-spline to fit between splash and wall; 1/2 inch by 1/2 inch.

2.03 FABRICATION

A. Fabricate tops and splashes in the largest sections practicable, with top surface of joints flush.
   1. Join lengths of tops using best method recommended by manufacturer.
   2. Fabricate to overhang fronts and ends of cabinets 1 inch except where top butts against cabinet or wall.
   3. Prepare all cutouts accurately to size; replace tops having improperly dimensioned or unnecessary cutouts or fixture holes.

B. Provide back/end splash wherever counter edge abuts vertical surface unless otherwise indicated.
   1. Secure to countertop with concealed fasteners and with contact surfaces set in waterproof glue.
   2. Height: 4 inches, unless otherwise indicated.

C. Wall-Mounted Counters: Provide skirts, aprons, brackets, and braces as indicated on drawings, finished to match.

PART 3 EXECUTION

3.01 EXAMINATION

A. Do not begin installation until substrates have been properly prepared.

B. If substrate preparation is the responsibility of another installer, notify ERO Architects of unsatisfactory preparation before proceeding.

C. Verify that wall surfaces have been finished and mechanical and electrical services and outlets are installed in proper locations.

3.02 PREPARATION

A. Clean surfaces thoroughly prior to installation.

B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.03 INSTALLATION

A. Securely attach countertops to cabinets using concealed fasteners. Make flat surfaces level; shim where required.

B. Attach plastic laminate countertops using screws with minimum penetration into substrate board of 5/8 inch.

C. Seal joint between back/end splashes and vertical surfaces.

3.04 TOLERANCES

A. Variation From Horizontal: 1/8 inch in 10 feet, maximum.

B. Offset From Wall, Countertops: 1/8 inch maximum; 1/16 inch minimum.

C. Field Joints: 1/8 inch wide, maximum.

3.05 CLEANING

A. Clean countertops surfaces thoroughly.

3.06 PROTECTION

A. Protect installed products until completion of project.

B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION

SECTION 13 34 19
METAL BUILDING SYSTEMS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Pre-engineered building and components including the following:
   1. Structural steel frame.
   2. Roof covering system including exterior roof panels, panel attachments, sealants, mastics, trim and flashings.
   3. Exterior wall system including wall panels, panel attachments, sealants, mastics, trim and flashings.

B. Wall accessories for pre-engineered buildings including the following:
   1. Service doors

C. Roof accessories for pre-engineered buildings including the following:
   1. Translucent roof panels.

1.02 RELATED SECTIONS

A. Section 03 30 00 - Cast-in-Place Concrete: Foundations and anchor bolts.

B. Section 08 43 13 - Aluminum-Framed Storefronts.

C. Section 09 90 00 - Painting and Coating: Finish painting of structural members, doors, roof curbs, and factory prime painted miscellaneous items.

1.03 REFERENCES

A. AAMA 101 - Voluntary Specification for Aluminum and Poly (Vinyl Chloride) (PVC) Prime Windows and Glass Doors; American Architectural Manufacturers Association.

B. ASTM International (ASTM):
   1. ASTM A 36/ASTM A 36M - Standard Specification for Carbon Structural Steel.
   2. ASTM A 325 - Standard Specification for Structural Bolts, Steel, Heat Treated, 120/105 ksi Minimum Tensile Strength.
   3. ASTM A 500 - Specification for Cold-Formed Welded and Seamless Carbon Steel Structural Tubing in Rounds and Shapes.
   4. ASTM A 529/A 529M - Standard Specification for High-Strength Carbon-Manganese Steel of Structural Quality.
   5. ASTM A 563 - Standard Specification for Carbon and Alloy Steel Nuts.
   6. ASTM A 572/A 572M - Standard Specification for High-Strength Low-Alloy Columbium-Vanadium Steel.
   7. ASTM A 653/A 653M - Standard Specification for Steel Sheets, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
   8. ASTM A 792/A 792M - Standard Specification for Steel Sheet, 55% Aluminum-Zinc Alloy-Coated by the Hot-Dip Process.
   9. ASTM A 1011 - Standard Specification for Steel, Sheet and Strip, Hot-Rolled, Carbon, Structural, High-Strength Low-Alloy and High-Strength Low Alloy with Improved Formability.
   10. ASTM D 635 - Standard Test Method for Rate of Burning and/or Extent and Time of Burning of Self-Supporting Plastics in a Horizontal Position.
   11. ASTM D 1929 - Standard Test Method for Ignition Properties of Plastics.
   12. ASTM D 2843 - Standard Test Method for Smoke from the Burning or Decomposition of Plastics.
   13. ASTM E 84 - Standard Test Method for Surface Burning Characteristics of Building Materials.
   14. ASTM E 774 - Standard Specification for Sealed Insulating Glass Units.
   15. ASTM E 1592 - Standard Test Method for Structural Performance of Sheet Metal Roof and Siding Systems by Uniform Static Air Pressure Difference.

C. AWS D1.1 - Structural Welding Code; American Welding Society.

D. IAS AC172 International Accreditation Services.

E. NAIMA 202 - Standard for Flexible Fiber Glass Insulation Used in Metal Buildings; North American Insulation Manufacturers Association.

F. SDI 100 - Recommended Specifications for Standard Steel Doors and Frames; Steel Door Institute.

G. UL 580 - Tests for Wind Uplift Resistance of Roof Assemblies; Underwriters Laboratories Inc.

H. UL 723 - Standard for Test for Surface Burning Characteristics of Building Materials; Underwriters Laboratories Inc.

1.04 DEFINITIONS

A. Building Width: Measured from outside to outside of sidewall girts. Typically edge to edge of concrete.

B. Building Length: Measured from outside to outside of end wall girts. Typically edge to edge of concrete.

C. Building Line: Outside face of steel/girt.

D. Building Eave Height: Measured from the top of the eave member at the outside of the sidewall girt line to the bottom of the sidewall column base plate or to finished floor if columns are on grout or recessed below finished floor.

E. Bay Spacing: Measured from centerline to centerline of primary frames for interior bays and from centerline of the first interior frame to outside of end wall girts for end bays.

F. Roof Pitch: The ratio of the vertical rise to the horizontal run (i.e. 1:12 = 1" of rise for every foot of horizontal dimension).

1.05 SYSTEM DESCRIPTION

A. General:
1. Provide metal building frame, metal wall panels, metal roof panels, accessories and miscellaneous materials for a complete enclosure including supports for building components specified in other sections.
2. Design structural systems according to professionally recognized methods and standards and legally adopted building codes.
3. Design under supervision of professional engineer licensed in the jurisdiction of the Project.

B. Design Requirements:
1. Bay size: Refer to Architectural Working Drawings.
2. Roof pitch: Refer to Architectural Working Drawings.
3. Building location zip code: 78542
4. Roof Live Load: _____ psf (____ MPa), reducible.
5. Roof Live Load: _____ psf (____ MPa), non-reducible.
6. Collateral Loads: _____ psf (____ MPa). (include how much Collateral load will resist uplift _____ psf)
7. Rainfall intensity per hour 7.8.
8. Reliability/redundancy factor: Frames _____ bracing_____.
9. Seismic Loads: Calculate in accordance with applicable code Building use/importance category ____, Soil Profile _____, Effective Peak Velocity Related Acceleration Coefficient (Ss/Sa) ____, Effective Peak Acceleration Coefficient (S1/Sa) ____, include ____ percent of the roof snow load in seismic load calculations.
10. Floor Load:
    a. Live Load: ____ psf (____ MPa).
    b. Dead Load: ____ psf (____ MPa).
    c. Collateral Loads: ____ psf (____ MPa).
    d. Partition Load: ____ psf (____ MPa).
    e. Beam max deflection L/_____ Joist max deflection L/_____ .
11. Dead loads, including the weight of all indicated permanent construction:
    a. Elements required for support of lights and light battens, hanging fixtures, mechanical equipment, piping, ceiling hanger wires, and all other items required to provide a complete building and not specifically indicated on the drawings.
12. Wind Loads:

a. Roof Wind Load: Calculate in accordance with applicable code, using ____ mph (____ km/h) Basic Wind Speed or pressure_____, Exposure Category ___, and Importance Factor of ____. Wind Enclosure (enclosed, partially enclosed, open)_____.

C. SLR Roof System tested and certified to meet Underwriters Laboratories UL 90 wind uplift rating with supports 5 feet (1524 mm) on center and in the 24 gage panel, meets FM1-90 & FM1-120.

D. SLR Roof System approved by US Army Corps of Engineers for wind uplift resistance ASTM E-1592.

E. Performance Requirements:
1. Provide frame with design roof profile after vertical dead load deflection has occurred.
2. System to withstand gravity and lateral loads in compliance with contract documents.
3. Refer to contract drawings for additional concentrated loads to pre-engineered building hanger beams and support jacks.
   a. Vertical unit heaters: Refer to Mechanical Working Drawings and Specifications for unit heater weight.
   b. Fans: Refer to Mechanical and Electrical Working Drawings and Specifications for fan weight.
4. Allowable Deflections
   a. Vertical: Clear span/240 for total load; clear span/360 for live load.
   b. Lateral frame movement: Height/200 for a 25 year mean recurrence wind load.
   c. Design wall and roof panel system to withstand specified loads with deflection of _____ of span, maximum.
   d. Specify girt deflection for support of panels by VP, panels by others or other material to be supported by the girts L/_____.
5. Metal wall panels (interior and exterior) shall not to be used as shear elements. Specify if metal wall and girt assembly require specific deflection constraints
6. Construct assembly to permit movement of components without buckling, failure of joint seals, undue stress on fasteners or other detrimental effects, when subject to temperature range of 100 degrees F (37 degrees C) in a 24 hour period.
7. Design and fabricate wall and roof systems free of distortion or defects detrimental to appearance or performance. Some oil canning in rolled panels especially in the flats of the panel is normal and is not cause for rejection.

F. Serviceability Criteria: Deflection limits for major components based on VP Buildings standards unless otherwise noted. Deflection requirements on hangars with sliding or fabric doors need to be included for the door support frames both from dead load deflection in inches and uplift deflection in inches. This may differ from the building due to the specific door requirements and should be supplied to eliminate future deflection issues.

1.06 SUBMITTALS

A. Submit under provisions of Section 01 30 00.

B. Design Data: Provide detailed design criteria and calculations prepared by a licensed structural engineer.

C. Certification: Manufacturer certification that the building conforms to the contract documents and manufacturer's standard design procedures.

D. Shop Drawings: Show building layout, primary and secondary framing member sizes and locations, cross-sections, and product and connection details.
1. Anchor Bolt Installation Drawings: Layouts with minimum bolt diameters (anchors are typically by others in the metal building industry).

E. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.

F. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square, representing actual product, color, and patterns.

G. Certificates: Welder certifications.

1.07 QUALITY ASSURANCE

A. Manufacturer Qualifications: Not less than 5 years experience in the actual production of specified products.
1. Member of the Metal Building Manufacturer's Association (MBMA).

2. Primary manufacturer of frames, secondary steel, roof and wall sheeting, and trim.
3. IAS certified as set forth in the international building code section 1704.2.2 and section 1701.7 of the Uniform Building Code.

B. Installer Qualifications - Firm experienced in application or installation of systems similar in complexity to those required for this project, plus the following:
1. Acceptable to or licensed by manufacturer.
2. 3 years experience with systems.
3. Successfully completed not less than 5 comparable scale projects using this system.

C. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
1. Finish areas designated by Architect.
2. Do not proceed with remaining work until workmanship, color, and sheen are approved by Architect.
3. Refinish mock-up area as required to produce acceptable work.

1.08 DELIVERY, STORAGE, AND HANDLING

A. Store products in manufacturer's unopened packaging until ready for installation.

1.09 PROJECT CONDITIONS

A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

1.10 WARRANTY

A. Manufacturer shall warranty installed system for the periods described herein, starting from Date of Substantial Completion or ninety days from delivery, whichever comes first, against all the conditions indicated below. When notified in writing from Owner, manufacturer/installer shall, promptly and without inconvenience and cost to Owner, correct said deficiencies.
1. Materials and Workmanship Warranty: 3 years at no charge, 5 years at a minimum charge.
2. Finish Warranty:
a. Finish coating shall not peel, blister, chip, crack or check in finish, and shall not chalk in excess of 8 numerical ratings when measured in accordance with ASTM D-4214.
b. Finish coating shall not change color or fade in excess of 5 NBS units as determined by ASTM D-2244.
1) Panel finish: 20 years.
3. Performance Warranty: Furnish written warranty, stating sheet metal roofing system and flashing (flashing under premium warranty only) under this Section will be maintained in watertight condition and defects resulting from the following items will be corrected without cost to Owner for a period of 20 years.
a. Faulty workmanship.
b. Defective materials including sealants and fasteners.
c. Water infiltration.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Acceptable Manufacturer: Varco Pruden Buildings, which is located at: 3200 Players Club Circle; Memphis, TN 38125; Toll Free Tel: 800-238-3246; Tel: 901-748-8000; Email: request info vpsales@vp.com - www.vp.com <http://www.vp.com>

B. Requests for substitutions will be considered in accordance with provisions of Section 01 25 00 Substitution Procedures.

2.02 STRUCTURAL STEEL FRAMING

A. Primary Framing: Rigid Frame (RF Series) solid web framing consisting of tapered or uniform depth rafters rigidly connected to tapered or uniform depth columns. Provide a clear span that supports the loads at bay spacing indicated. Frames can have a roof pitch as low as ¼:12 and span can typically range from 30’ to 300’ in increments of 1/16” spacing, with the steel yield of 55 ksi.

B. End Wall Framing: Full frames with end posts, for future expansion.

2.03 SECONDARY FRAMING

A. Purlins: Zee-shaped; depth as required; with minimum yield strength of 60,000 psi (410 MPa); simple span or continuous span as required for design. G-30 galvanized standard material with G-90 availability. Welded members are manufacturer's standard primer.

B. Girts: Cee-shaped; depth as required, with minimum yield strength of 60,000 psi (410 MPa); simple span or continuous span as required for design. G-30 galvanized standard material with G-90 availability. Welded members are manufacturer's standard primer.

2.04 MISCELLANEOUS FRAMING

A. Base Angles: 2 inch by 3 inch by 0.059 inch (50 mm by 75 mm by 1.5 mm) galvanized steel angles, with minimum yield strength of 55 ksi (380 MPa), anchored to the floor slab or grade beam with power driven fasteners or equivalent at a maximum spacing of 4 feet (1220 mm) on center and not more than 6 inches (150 mm) from the end of any angle member. Anchors are not provided by the metal building manufacturer.

B. Door Headers and Jambs: Cee-shaped; depth as required; with minimum yield strength of 60 ksi (410 MPa).

2.05 ROOF COVERING SYSTEM

A. Roof Panels: SLR Architectural Standing Seam Roof Panels; 16 inches (406 mm) wide net coverage with major ribs formed at the panel side laps, for field seaming using electrically operated seaming machine.
   1. Material: Galvalume steel.
   2. Thickness: 22 gage (0.76 mm), with 3 inch (75 mm) standing seam.
   3. Side joints: Factory applied sealant for field seaming
   4. Length: Continuous from eave to ridge up to 41 feet (12500 mm) in length.
   5. End laps, where required: 5 inches (127 mm) wide, located at a support member.
   6. Panel-to-roof purlin structural attachments: SLR clips, with movable tabs that interlock with seamed SLR panel ribs and provide 1 inch (25 mm) of panel movement in either direction from center of clip to compensate for thermal effects.
   7. The KXL paint system is a PVDF finish applied to the galvalume surface to give a long life color that resists fading and chalking. KXL is a 1 mil nom. PVDF finish with 70% Kynar 500 or Hylar 5000 standard.
   8. UL-90 wind uplift rating is available with support at 5'-0 on center. SLR is also US Army Corps of Engineers approved for wind uplift resistance. Thermalblock is included.

2.06 WALL COVERING SYSTEM

A. Wall Panels: Panel Rib; 36 inch (915 mm) wide net coverage, with 1-3/16 inch (30 mm) high major ribs at 12 inches (305 mm) on center with minor ribs spaced between the major ribs.
   1. Material: Galvanized steel, with G90/Z275 coating.
   2. Thickness: 22 gage (0.76 mm).
   3. Side laps: Two fully overlapping major ribs secured together with 1/4 inch (6 mm) diameter color-matched carbon steel fasteners.
   4. Length: Continuous from sill to eave up to 41 feet (12.5 m) in length.
   5. End laps, where required: 4 inches (100 mm) wide, located at a support member.
   6. Cut panels square at each end; provide base trim at sill and closure plugs.
   7. The KXL paint system is a PVDF finish applied to the zinc or zinc aluminum coated steel to give a long life color that resists fading and chalking. KXL is a 1 mil nom. PVDF finish with 70% Kynar 500 or Hylar 5000standard.
   8. Certification includes IAS Miami-Dade County Florida product approval.

B. Liner Panels: LPR-36; 36 inch (915 mm) wide net coverage, with 1-3/16 inch (30 mm) high major ribs with minor ribs spaced between the major ribs.
   1. Material: Galvanized steel with G90/Z275 coating.
   2. Thickness: 28 gage (0.30 mm).
   3. Length: Continuous from sill to eave up to 41 feet (12500 mm) in length.
   4. Provide liner panel wainscot to 7 feet 5-1/4 inches (2266 mm).

2.07 INSULATION

A. Schedule:

1. Roof insulation: Nominal values:
   a. Blanket insulation - 6 inches (150 mm); R-value: 19.
2. Wall Insulation: Nominal values:
   a. Blanket insulation - 6 inches (150 mm); R-value: 19.

B. Blanket Insulation: Glass fiber, with factory laminated facing material
1. Glass fiber: Odorless, neutral colored, long filament, flexible resilient, produced in compliance with NAIMA 202-96.
2. Flame spread Index: The composite of fiberglass and facing shall have surface burning characteristics not to exceed 25 flame spread when tested in accordance with UL 723 or ASTM E84 test methods.
3. Smoke Developed Index: not to exceed 50 smoke development when tested in accordance with UL 723 or ASTM E84 test methods.
4. UL Classified.
5. White Vinyl Facing: White vinyl; embossed, 0.0032 inch (0.09 mm) thick plus or minus 10 percent; permeance in compliance with ÅSTM E 96 1.00 perm (5.17 ng/Ns). fiberglass and facing meeting Flame Spread of 25 or less, Smoke Developed of 50 or less, when tested in accordance with UL 723.
6. Provide facing 3 inches (75 mm) wider than blanket on both edges.
7. Width: As required for installation.

2.08 WALL ACCESSORLES

A. Service Doors:
1. Doors for cylindrical locks: SDI 100, Grade 1, Model 1 (1-3/4 inches (44 mm) thick minimum 20 gage (0.91 mm) steel face sheets).
2. Doors for mortise locks or panic devices: SDI 100, Grade 2, Model 1, 1-3/4 inches (44 mm) thick minimum 18 gage (1.22 mm) steel face sheets.
3. Type: Full flush.
4. Frames: SDI 100, modified drywall type, 4-3/4 inches (120 mm) jamb depth minimum 16 gage (1.52 mm) steel; self-framing and self-flashing.
5. Hardware reinforcements: Comply with SDI 100; locate so that door and frame are non-handed.
6. Finish: Two coat baked on paint on all exposed surfaces, apply after cleaning and chemical treatment for corrosion resistance and paint adhesion; manufacturer's standard bronze color.
7. Weatherstripping: At jambs, head and sill, complying with water and air resistance requirements of SDI 115 and SDI 116.
8. Hardware:
   a. One key in-knob cylindrical lockset per opening.
   b. One mullion and one pair surface bolts per double door opening.
   c. Three full mortise hinges per leaf, one with non-removable pin.
9. Single door size: 3 feet by 7 feet (915 by 2135 mm).

B. Wall Openings: Cold-formed sheet metal framing concealed with manufacturer's standard colored trim.

2.09 ROOF ACCESSORIES

A. Eave Gutters: Roll-formed 26 gage (0.45 mm) steel sheet, with gutter straps, fasteners and joint sealant; manufacturer's standard color.
1. Downspouts: 29 gage 4 inches by 5 inches (100 by 125 mm) in 10 foot (3050 mm) lengths, with downspout elbows and downspout straps; same color as wall panels unless specified otherwise.

B. Translucent Roof Panels: Tuf-Lite; UV stabilized thermosetting polyester resin reinforced with chopped and woven roving glass fiber; manufacturer's standard configuration.
1. Color: White exterior surface and minimum 55-60 percent light transmittance.
2. Self-ignition temperature: 650 degrees F (343 degrees C) or greater, when tested in accordance with ÅSTM D 1929.
3. Smoke density index: 450 or less, when tested in accordance with ÅSTM E 84, or 75 or less, when tested in accordance with ÅSTM D 2843.
4. Rate of burning: 2.5 inches (64 mm) per minute or less, when tested in accordance with ÅSTM D 635.
5. Tuf-lites are available with UL Class 90.

6. Optional condensation pans are also available.
7. Seamed in rails for the Tuf-lite only come in one color (Egyptian White) & must be field painted to match other colors if required.

2.10 MATERIALS

A. Structural Steel Plate, Bar, Sheet, and Strip for Use in Bolted and Welded Constructions: ASTM A 572/A 572M, A 529/A 529M, A 1011 or A 36/A 36M Modified 50, with minimum yield strength of 55,000 psi (380 MPa).

B. Galvanized Structural Steel Material for Use in Roll Formed or Press Broken Secondary Structural Members: ÅSTM A 563, with minimum yield strength of 60,000 psi (410 MPa).

C. Galvanized Steel Sheet for Roll Formed or Press Broken Roof and Wall Coverings, Trim and Flashing: ÅSTM A 653/A 653M, with minimum yield strength of 50,000 psi (345 MPa).

D. Galvalume Steel Sheet Used in Roll Formed or Press Broken Roof Covering: Aluminum-zinc alloy-coated steel sheet, ÅSTM A 792/A 792M, with minimum yield strength of 50,000 psi (345 MPa); nominal coating weight of 0.5 oz per sq ft (152 kg/sq m) both sides, equivalent to an approximate coating thickness of 0.0018 inch (0.05 mm) both sides.

E. Hot Rolled Steel Shapes: W, M and S shapes, angles, rods, channels and other shapes; ÅSTM A 500, ÅSTM A 572/A 572M or ÅSTM A 36/A 36M as applicable; with minimum yield strengths required for the design.

F. Structural Bolts and Nuts Used with Primary Framing: High strength, ÅSTM A 325 bolts and ÅSTM A563 Grade C nuts.

G. Bolts and Nuts Used with Secondary Framing Members: High Strength ASTM A 325 Bolts and ASTM A563 Grade C nuts.

H. Panel Fasteners:
   1. For Galvalume and KXL finished roof panels: Stainless steel-capped carbon steel fasteners with integral sealing washer.
   2. For wall panels: Coated carbon steel.
   3. Color of exposed fastener heads to match the wall panel finish.
   4. Concealed Fasteners: Self-drilling type, of size as required.
   5. Provide fasteners in quantities and location as required by the manufacturer.

I. Flashing and Trim: Match material, finish, and color of adjacent components. Provide trim at rakes, including peak and corner assemblies, high and low eaves, corners, bases, framed openings and as required or specified to provide weathertightness and a finished appearance.

J. Plastic Parts: Glass fiber reinforced resin or thermoformed ABS (Acrylonitrile-Butadiene-Styrene).
   1. ABS: Minimum 1/8 inch (3 mm) thick.
   2. Color: Manufacturer's standard color.

K. Sealants, Mastics and Closures: Manufacturer's standard type.
   1. Provide at roof panel end laps, side laps, rake, eave, transitions and accessories as required to provide a weather resistant roof system; use tape mastic or gun grade sealant at side laps and end laps.
   2. Provide at wall panel rakes, eaves, transitions and accessories.
   3. Closures: Formed to match panel profiles; closed cell elastic material, manufacturer's standard color.
   4. Tape mastic: Pre-formed butyl rubber-based, non-hardening, non-corrosive to metal; white or light gray.
   5. Gun grade sealant: Non-skinning synthetic Elastomeric based material; gray or bronze.

2.11 FABRLCATLON

A. Fabrication: Fabricate according to manufacturer's standard practice.
   1. Fabricate structural members made of welded plate sections by jointing the flanges and webs by continuous automatic submerged arc welding process.
   2. Welding operators and processes: Qualified in accordance with AWS D1.1.
   3. Field connections: Prepare members for bolted field connection by making punched, drilled, or reamed holes in the shop.

B. Component Identification: Mark all fabricated parts, either individually or by lot or group, using an identification marking corresponding to the marking shown on the shop drawings, using a method that remains visible after shop painting.

2.12 FINISH

A. Schedule of Finishes:
   1. Roof finish and color: KXL finish and color to be selected from standard colors.
   2. Wall finish and color: KXL finish and color to be selected from standard colors.
   3. Liner panel finish and color: standard.

B. Shop Coat: Manufacturer's standard rust inhibitive primer paint; manufacturer's standard color.
   1. Finish all structural steel members using one coat of manufacturer's standard shop coat, after cleaning of oil, dirt, loose scale and foreign matter.

C. SP Pre-Painted Finish: 0.8 mil baked on silicone polyester exterior surface.
   1. Interior finish: Off white 0.5 mil (0.01 mm) washcoat.

D. KXL Pre-Painted Finish: 1 mil (0.025 mm) 70% Kynar 500, Hylar 5000 coating on exterior surface.
   1. Color: Interior Finish: Off white 0.5 mil (0.01 mm) washcoat.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verification of Conditions: Examine areas and conditions under which work is to be performed and identify conditions detrimental to proper and or timely completion.
   1. Verify foundations are properly installed, to correct dimensions and within acceptable tolerances.
   2. Verify location of covered or built-in work.
   3. Do not proceed until unsatisfactory conditions have been corrected.

3.02 PREPARATION

A. Framing Erection: Erect framing in compliance with AIS Specification & the latest edition of the MBMA metal building systems manual.

B. Provide for erection and wind loads. Provide temporary bracing to maintain structure plumb and in alignment until completion of erection and installation of permanent bracing. Locate braced bays as required by manufacturer.

3.03 ERECTION OF FRAME

A. Install in accordance with manufacturer's instructions.

B. Do not erect frames without complete installation of tie beams and anchorages.

C. Set column base plates with non-shrink grout to full plate bearing.

D. Do not field cut or alter structural members without written approval.

E. After erection, prime bolts, welds, abrasions, and surfaces not primed with primer used in shop painting.

3.04 INSTALLATION OF WALL AND ROOF SYSTEM

A. Install in compliance with manufacturer's instructions.

B. Exercise care when cutting prefinished material to ensure cuttings do not remain on finish surface.

C. Fasten cladding system to structural supports, aligned level and plumb.

D. Locate end laps over supports. End lap panels according to manufacturer's recommendations. Place sidelaps over adjacent panel and mechanically seam or stitch fastener per erection guidelines.

E. Provide expansion joints where indicated.

F. Use concealed fasteners.

G. Install sealant and gaskets to prevent weather penetration.

H. Install system free of rattles, noise due to thermal movement, and wind whistles.

I. Install door frames, service doors, overhead doors, window and glass, and gutter system in compliance with manufacturer's instructions.

J. Seal wall and roof accessories watertight and weathertight with sealant in compliance with building manufacturer's standard procedures.

K. Rigidly support and secure gutters and downspouts. Joint lengths with formed seams sealed watertight. Flash and seal gutters to downspouts.

L. Tolerances:
   1. Framing Members: 1/4 inch (6 mm) from level; 1/8 inch (3 mm) from plumb.
   2. Racking: 1/8 inch (3 mm) from true position. Provide shoring to maintain position prior to cladding installation.

3.05 FIELD QUALITY CONTROL

A. Testing by Contractor:
   1. Roof installation inspection by roof manufacturer's representative; as required as part of warranty provision.

B. Testing by Owner:
   1. High Strength Bolted Connections: Specification for Structural Joints Using ASTM A325 or A490 Bolts, with minimum testing of bolted connections per the arbitration inspection procedure.
   2. Welded Connections: AWS. Visual inspection of 100 percent of welds. Ultrasonic inspection of 50 percent of full and partial penetration welds. A rejection rate greater than 5 percent will increase the inspection to 100 percent.
   3. General Testing: For materials and installed tolerances.

END OF SECTION

SECTION 32 17 23.13

PAINTED PAVEMENT MARKINGS

PART 2 PRODUCTS

1.01 MATERIALS

A. Line and Zone Marking Paint: MPI No. 97 Latex Traffic Marking Paint; color(s) as indicated.

END OF SECTION

SECTION 32 31 13
CHAIN LINK FENCES AND GATES

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Fence framework, fabric, and accessories.

B. Excavation for post bases; concrete foundation for posts.

C. Manual gates and related hardware.

1.02 RELATED REQUIREMENTS

A. Section 03 30 00 - Cast-in-Place Concrete: Concrete anchorage for posts.

B. Section 33 79 00 - Site Grounding.

1.03 REFERENCE STANDARDS

A. ASTM A153/A153M - Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware; 2009.

B. ASTM A392 - Standard Specification for Zinc-Coated Steel Chain-Link Fence Fabric; 2011a.

C. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2011.

D. ASTM C94/C94M - Standard Specification for Ready-Mixed Concrete; 2012.

E. ASTM F567 - Standard Practice for Installation of Chain-Link Fence; 2011.

F. ASTM F1083 - Standard Specification for Pipe, Steel, Hot-Dipped Zinc-Coated (Galvanized) Welded, for Fence Structures; 2010.

1.04 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

B. Product Data: Provide data on fabric, posts, accessories, fittings and hardware.

C. Shop Drawings: Indicate plan layout, spacing of components, post foundation dimensions, hardware anchorage, and schedule of components.

D. Samples: Submit two samples of fence fabric, slat infill, ____ inch by ____ inch in size illustrating construction and colored finish.

E. Manufacturer's Installation Instructions: Indicate installation requirements, post foundation anchor bolt templates, and _____.

F. Project Record Documents: Accurately record actual locations of property perimeter posts relative to property lines and easements.

1.05 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with not less than three years of documented experience.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Chain Link Fences and Gates:
   1. Merchants Metals: www.merchantsmetals.com.
   2. _____; Product ____.
   3. Substitutions: See Section 01 60 00 - Product Requirements.

2.02 MATERIALS

A. Posts, Rails, and Frames: ASTM F1083 Schedule 40 hot-dipped galvanized steel pipe, welded construction, minimum yield strength of 30 ksi.

B. Posts, Rails, and Frames: Formed from hot-dipped galvanized steel sheet, ASTM A653/A653M, HSLAS, Grade 50, with G90 (Z275) zinc coating.

C. Wire Fabric: ASTM A392 zinc coated steel chain link fabric.

D. Concrete: Ready-mixed, complying with ASTM C94/C94M; normal Portland cement; 2,500 psi strength at 28 days, 3 inch slump; ____ inch nominal size aggregate.

2.03 COMPONENTS

A. Line Posts: 1.9 inch diameter.

B. Corner and Terminal Posts: 2.38 inch.

C. Gate Posts: 3.5 inch diameter.

D. Top and Brace Rail: 1.66 inch diameter, plain end, sleeve coupled.

E. Gate Frame: 1.66 inch diameter for welded fabrication.

F. Fabric: 2 inch diamond mesh interwoven wire, 6 gage thick, top selvage knuckle end closed, bottom selvage twisted tight.

G. Tension Wire: 6 gage thick steel, single strand.

2.04 ACCESSORIES

A. Caps: Cast steel galvanized; sized to post diameter, set screw retainer.

B. Fittings: Sleeves, bands, clips, rail ends, tension bars, fasteners and fittings; steel.

C. Extension Arms: Cast steel galvanized, to accommodate 3 strands of barbed wire, single arm, vertical.

D. Hardware for Single Swinging Gates: 180 degree hinges, 2 for gates up to 60 inches high, 3 for taller gates; fork latch with gravity drop and padlock hasp; keeper to hold gate in fully open position.

E. Hardware for Double Swinging Gates: 180 degree hinges, 2 for gates up to 60 inches high, 3 for taller gates; drop bolt on inactive leaf engaging socket stop set in concrete, active leaf latched to inactive leaf preventing raising of drop bolt, padlock hasp; keepers to hold gate in fully open position.

2.05 FINISHES

A. Hardware: Hot-dip galvanized to weight required by ASTM A153/A153M.

B. Accessories: Same finish as framing.

PART 3 EXECUTION

3.01 INSTALLATION

A. Install framework, fabric, accessories and gates in accordance with ASTM F567.

B. Place fabric on outside of posts and rails.

C. Set intermediate posts plumb, in concrete footings with top of footing 2 inches above finish grade. Slope top of concrete for water runoff.

D. Line Post Footing Depth Below Finish Grade: ASTM F567.

E. Corner, Gate and Terminal Post Footing Depth Below Finish Grade: ASTM F567.

F. Brace each gate and corner post to adjacent line post with horizontal center brace rail and diagonal truss rods. Install brace rail one bay from end and gate posts.

G. Provide top rail through line post tops and splice with 6 inch long rail sleeves.

H. Install center brace rail on corner gate leaves.

I. Do not stretch fabric until concrete foundation has cured 28 days.

J. Stretch fabric between terminal posts or at intervals of 100 feet maximum, whichever is less.

K. Position bottom of fabric 1 inches above finished grade.

L. Fasten fabric to top rail, line posts, braces, and bottom tension wire with tie wire at maximum 15 inches on centers.

M. Attach fabric to end, corner, and gate posts with tension bars and tension bar clips.
N. Install bottom tension wire stretched taut between terminal posts.
O. Do not attach the hinged side of gate to building wall; provide gate posts.
P. Ground fence in accordance with Section 33 79 00.

3.02 TOLERANCES

A. Maximum Variation From Plumb: 1/4 inch.
B. Maximum Offset From True Position: 1 inch.
C. Components shall not infringe adjacent property lines.

END OF SECTION

AI-41081 **Purchasing Department 16. D. 1.**

CC REGULAR

Meeting Date: 10/22/2013

Submitted By: Rocio Villarreal,
PURCHASING DEPT.

Department: PURCHASING DEPT.

Information

CAPTION

a. Acceptance and approval to execute the final form of a Professional Engineering Agreement with L&G Engineering, for "Mile 3 Road (from FM 492 to FM 2221),"as approved for negotiations on CC 9/17/13.

b. Acceptance and approval of Work Authorization No. 1 (with an estimated cost of $872,800.00) as submitted by project engineer, L&G Engineering for engineering services for "Preparation for the Environmental Assessment, Public Involvement, Schematic and Hydrologic Design for the Mile 3 project from FM 2221 to FM 492" within Hidalgo County Pct. No. 3 through Contract #C-13-305-10-07.

BACKGROUND

Fiscal Impact

FISCAL YEAR: 2013 **ACCT. #:** 3-1303-431-00-123-051-0-XXX

FUNDS AVAILABLE Y/N?: **MATCHING FUNDS Y/N?:**

BUDGETARY IMPACT:

Funding pending CC appoval of AI#41327 Appropriation in the amount of $872,800.00.

Attachments

Legal Approval
Interlocal Agreement
W. A. No. 1
Agreement

Form Review

Inbox	Reviewed By	Date
Purchasing Department	Marty Salazar	10/16/2013 04:36 PM
Budget & Management	Obdett Calzada	10/16/2013 04:59 PM
Auditor's Office	Monica Badillo	10/18/2013 04:51 PM

Form Started By: Rocio Villarreal Started On: 10/03/2013 01:43 PM

Final Approval Date: 10/18/2013

RE: Mile 3 Project

From : Steve Crain <scrain@atlashall.com> Thu, Oct 03, 2013 12:05 PM
Subject : RE: Mile 3 Project
To : 'Rocio Villarreal' <rocio.villarreal@co.hidalgo.tx.us>

The agreement is fine.

From: Rocio Villarreal [mailto:rocio.villarreal@co.hidalgo.tx.us]
Sent: Thursday, October 03, 2013 11:35 AM
To: Steve Crain
Subject: Mile 3 Project

Mr. Crain:

Can you please review and approve as to form.

Thank you.

ROCIO VILLARREAL
HIDALGO COUNTY PURCHASING DEPT.
CONTRACTS MANAGER
(956) 318-2626 Work
(956) 292-7000 Ext. 4868 Work
rocio.villarreal@co.hidalgo.tx.us
2812 S. Business Hwy 281
Edinburg, Texas 78539

STATE OF TEXAS §

COUNTY OF HIDALGO §

INTERLOCAL COOPERATION AGREEMENT BETWEEN THE COUNTY OF HIDALGO AND CITY OF PEÑITAS, TEXAS CONCERNING CERTAIN IMPROVEMENTS TO MILE 3 CORRIDOR FROM FM 492 TO FM 2221

This agreement is made on this the 17th day of September, 2013 by and between the CITY OF PEÑITAS, TEXAS, hereinafter referred to as "CITY" and the COUNTY OF HIDALGO, TEXAS hereinafter referred to as "COUNTY", pursuant to the provisions of the Texas Interlocal Cooperation Act as follows:

WITNESSETH:

WHEREAS; the CITY is a municipality located in Hidalgo County, Texas;

WHEREAS; the COUNTY is a county in the State of Texas;

WHEREAS, Mile 3 corridor from FM 492 to FM 2221, which traverses within the jurisdiction of both the CITY and the COUNTY, is in need of expansion to a four lane roadway facility;

WHEREAS, the COUNTY and the CITY agree it is essential to develop this very important corridor, which is in much need of improvements, specifically, in need of adding capacity for increased safety;

WHEREAS, the COUNTY desires to complete Phase I of the project development activities such as Public Involvement, Environmental Assessment, Schematic, and Hydrology & Hydraulic Studies of this corridor within the city limits and ETJ of the CITY;

WHEREAS, the COUNTY and CITY are authorized to enter into this Agreement pursuant to the Interlocal Cooperation Act, Texas Government Code 790.001 et. Seq. which authorizes local governments to contract with each other to perform governmental functions and services under the terms of the Act;

WHEREAS, the CITY agrees to support the proposition that the COUNTY be the fiduciary agent and assume the role of project development lead for all the Phase I of the project development activities, including but not limited to, Public Involvement, Environmental Assessment, Schematic, and Hydrology & Hydraulic Studies at 100% cost to the COUNTY within the city limits and ETJ of the CITY;

NOW, THEREFORE, COUNTY and CITY, in consideration of the mutual covenants expressed hereinafter, agree as follows:

1. The COUNTY agrees at County's sole cost and expenses to complete the Phase I of project development activities, including but not limited to, Public Involvement, Environmental Assessment, Schematic, and Hydrology & Hydraulic Studies within the city limits and ETJ of the CITY.

2. The CITY consents to the COUNTY performing such work within City to complete said Phase I activities of the project development within the city limits and ETJ of the CITY.

3. The Road at various points, passes through the jurisdiction of the CITY and COUNTY and forms a connecting link or integral part of the regional transportation system and County roads.

4. Each party agrees to conform to its own applicable purchasing laws, regulations, policies, and procedures with respect to the portion of the work under this Agreement Performed by each party.

5. **Conflict of Applicable Law:** Nothing in this Agreement shall be construed so as to require the commission of any act contrary to law, and whenever there is any conflict between any provision of this Agreement and any present or future law, ordinance, or administrative, executive or judicial regulation, order or decree, or amendment thereof, contrary to which the parties have no legal right to contract, the latter shall prevail, but in such event the affected provision or provisions of the Agreement shall be modified only to the extent necessary to bring them within the legal requirements and only during the time such conflict exists.

6. **No Waiver:** No waiver by any party hereto of any breach of any provision of the Agreement shall be deemed to be a waiver of any preceding of succeeding breach of the same or any other provision hereof.

7. **Entire Agreement:** This Agreement contains the entire contract between the parties hereto and each party acknowledges that neither has made (either directly or through any agreement or representative) and representation or agreement in connection with this Agreement not specifically set forth herein. This Agreement may be modified or amended only by agreement in writing executed by Mission, McAllen and County, and not otherwise.

8. TEXAS LAW TO APPLY: THIS AGREEMENT SHALL BE CONSTRUED UNDER AND IN ACCORDANCE WITH THE LAWS OF THE STATE OF TEXAS, AND ALL OBLIGATION OF THE PARTIES CREATED HEREUNDER

ARE PERFORMABLE IN HIDALGO COUNTY, TEXAS. THE PARTIES HEREBY CONSENT TO PERSONAL JURISDICTION IN HIDALGO COUNTY, TEXAS.

9. **Notice:** Except as maybe otherwise specifically provided in this Agreement, all notices, demands, requests or communication required or permitted hereunder shall be in writing and shall either be (i) personally delivered against a written receipt, or (ii) sent by registered or certified mail, return receipt requested, postage prepaid and addressed to the parties at the addresses set forth below, or at such other addresses as may have been theretofore specified by written notice delivered in accordance herewith:

If to City: City of Peñitas
Attention: Marcos Ochoa, Mayor
1 Mile South FM 1427
Peñitas, Texas 78576

If to County: Hidalgo County, Texas
Attention: Ramon Garcia, Hidalgo County Judge
P. O. Box 758
Edinburg, Texas 78540-0758

With copy to: Joe Flores, Commissioner, Precinct No. 3
724 N. Breyfogle
Mission, Texas 78574

10. Each notice, demand, request or communication which shall be delivered or mailed in the manner described above shall be deemed sufficiently given for all purposes at such time as it is personally delivered to the addressee, or, if mailed, at such time as it is deposited in the United States mail.

11. **Additional Documents:** The parties hereto covenant and agree that they will execute such other and further instruments and documents as are or may become necessary or convenient to effectuate and carry out the terms of this agreement.

12. **Successors:** This Agreement shall be binding upon and inure to the benefit of the parties hereto and their respective heirs, executors, administrators, legal representatives, successors, and assigns where permitted by this Agreement.

13. **Assignment:** This Agreement shall not be assignable.

14. **Headings:** The headings and captions contained in this Agreement are solely for the convenience reference and shall not be deemed to affect the meaning or interpretation of any provision of paragraph hereof.

APPROVED AS TO FORM:
ATLAS & HALL, LLP

By: _____
Stephen L. Crain
Hidalgo County Attorney

15. **Gender and Number:** All pronouns used in this Agreement shall include the other gender, whether used in the masculine, feminine or neuter gender, and singular shall include the plural whenever and as often as may be appropriate.

16. **Authority to Execute:** The execution and performance of this Agreement by the Mission, McAllen and County have been duly authorized by all necessary laws, resolutions or corporate action, and this Agreement constitutes the valid and enforceable obligations of the Cities and County in accordance with its terms.

17. **Governmental Purpose:** Each party hereto is entering into the agreement for the purpose of providing for governmental services or functions and will pay for such services out of current revenues available to the paying party as herein provided.

18. **Commitment or Current Revenues Only:** In the event that during any term hereof; the governing body of any party does not appropriate sufficient funds to meet the obligations of such party under this Agreement, then any party may terminate this Agreement upon ninety (90) days written notice to the other party. Each of the parties hereto agrees, however, to use its best efforts to secure funds necessary for the continued performance of this Agreement. The parties intend this provision to be a continuing right to terminate this Agreement at the expiration of each budget period of each party hereto pursuant to the provisions of Tex. Loc. Govt. Code Ann. §271.903.

19. The approval of this Interlocal Cooperation Agreement in accordance with Texas Government Code 791.014 is evidenced by the attached herein.

WITNESS THE HANDS OF THE PARTIES effective as of the day and year first written above.

CITY OF PEÑITAS

By: _____
Hon. Marcos Ochoa, Mayor

ATTEST:

_____
City Secretary

COUNTY OF HIDALGO

By: _____
Ramon Garcia, County Judge

ATTEST:

_____
County Clerk

APPROVED BY
COMMISSIONERS' COURT
ON: 9/17/13

STATE OF TEXAS §
§
COUNTY OF HIDALGO §

APPROVAL OF
INTERLOCAL COOPERATION AGREEMENT
PROJECT

In accordance with Texas Government Code §791.014, Hidalgo County, Texas, acting by and through the Hidalgo County Commissioners Court, has been advised of a proposed project regarding certain road improvements to Mile 3 Road from FM 492 to FM 2221 (the "Road"), a section which is in part within the city limits of said Citiy and in part within County jurisdiction through an Interlocal Cooperation Agreement to be entered into with the City of Peñitas and Hidalgo County.

By vote on September 17, 2013, the Hidalgo County Commissioners Court has approved the Project identified above.

Ramon Garcia
By: Ramon Garcia, County Judge

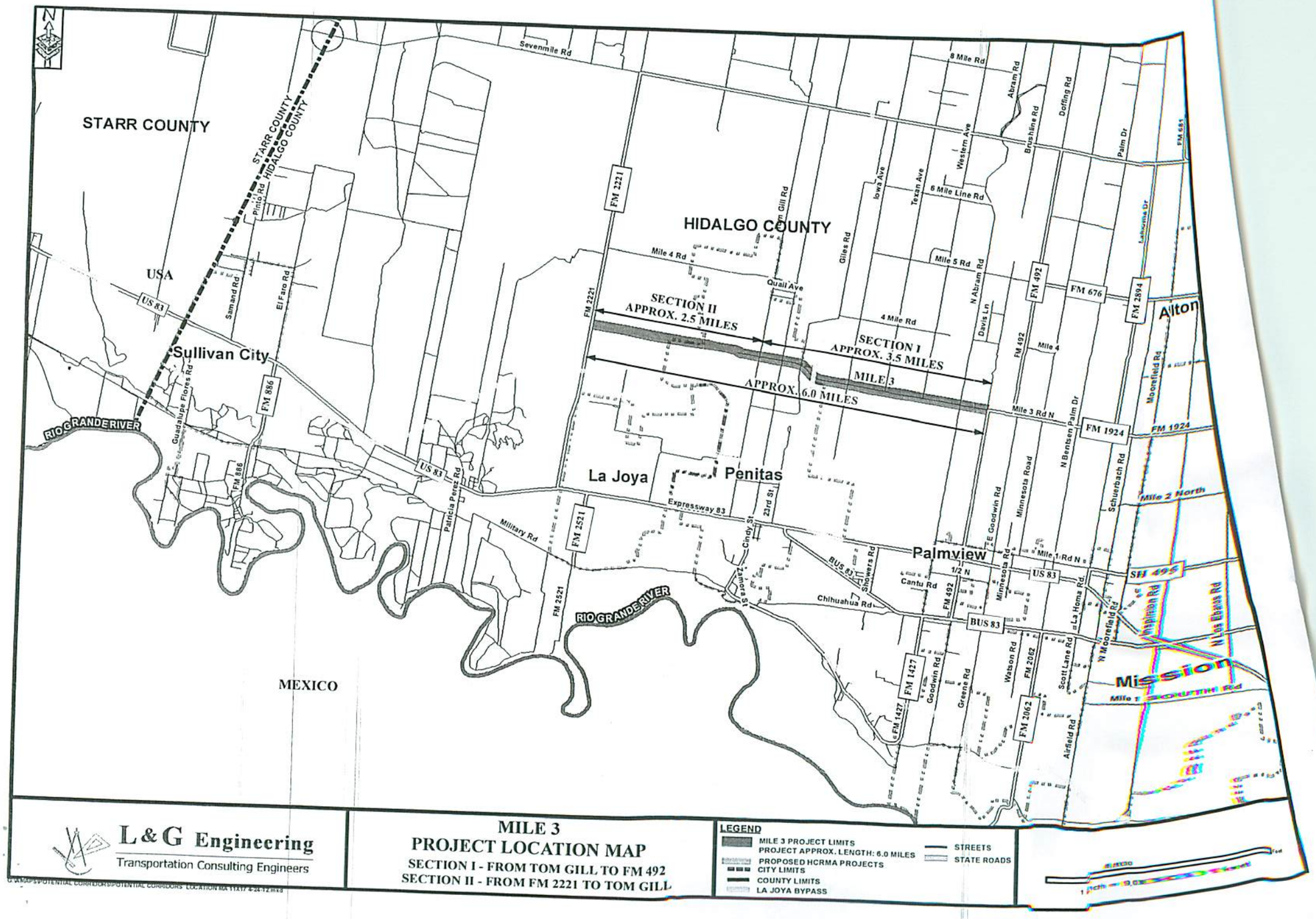
ATTEST:
Arturo Guajardo, County Clerk

APPROVED BY
COMMISSIONERS' COURT
ON: 9/17/13

APPROVED AS TO FORM:

Atlas & Hall, L.L.P.

By: _____
Stephen L. Crain



L&G Engineering
Transportation Consulting Engineers

MILE 3
PROJECT LOCATION MAP
SECTION I - FROM TOM GILL TO FM 492
SECTION II - FROM FM 2221 TO TOM GILL

LEGEND
- MILE 3 PROJECT LIMITS
  PROJECT APPROX. LENGTH: 6.0 MILES
- PROPOSED HCRMA PROJECTS
- CITY LIMITS
- COUNTY LIMITS
- LA JOYA BYPASS
- STREETS
- STATE ROADS

1 inch = 3,000 Feet

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HIDALGO COUNTY
Professional Engineering Services
Contract # C-13-305-10-07
Work Authorization Form

WORK AUTHORIZATION NO. 1

THIS WORK AUTHORIZATION is made pursuant to the terms and conditions of Article 1 of the Agreement made by and between HIDALGO COUNTY, action herein by and through the Commissioner's Court, hereinafter called the "Owner," and, L&G Consulting Engineers, Inc. *d/b/a* L&G Engineering, professional engineers of Mercedes, Texas hereinafter called "Engineer".

PART 1. SCOPE OF WORK

The purpose of this Work Authorization is for the Engineer to provide Engineering Services required for the preparation for the Environmental Assessment, Public Involvement, Schematic and Hydrologic Design for the Mile 3 project from FM 2221 to FM 492.

The scope of services to be provided by the Owner is identified in *EXHIBIT "A" – Scope of Services to be provided by the Owner* attached hereto.

The scope of services to be provided by the Engineer is identified in *EXHIBIT "B" – Scope of Services to be provided by the Engineer* attached hereto.

PART 2. ESTIMATED COST

The estimated cost for services under this Work Authorization is $872,800.00. This amount is based upon the costs outlined in the Estimated Cost Proposal attached hereto as *EXHIBIT "D-2" – Estimated Man-hour Breakdown.*

PART 3. PAYMENT

Compensation and payment to the Engineer for the services established under this Work Authorization shall be made in accordance with Article 6 of the Agreement.

PART 4. FUNDING

This Work Authorization No. 1 shall be funded through funding source:

Account No. _____

Requisition Number _____ (MUST BE INCLUDED AFTER CC APPROVAL)

PART 5. PERIOD OF SERVICE

This Work Authorization shall become effective on the date of final acceptance of the parties hereto, and terminate upon completion of scopes of the work authorization, as identified on *EXHIBIT "C" - Work Schedule.*

PART 6. RESPONSIBILITIES AND OBLIGATIONS

This Authorization does not waive the parties' responsibilities and obligations provided under the Agreement.

PART 7. ACKNOWLEDGEMENT AND CONFIRMATION

Acknowledgement and confirmation by Hidalgo County Precinct No. 3, Commissioner Joe Flores as to the content and detail of this Work Authorization No. 1.

HIDALGO COUNTY
COMMISSIONER PRECINCT NO. 3

BY:_____

PART 8. ACCEPTANCE AND APPROVAL

This Work Authorization is hereby accepted, approved by Hidalgo County Commissioners' Court on _____ as indicated below.

THE ENGINEER:
L&G ENGINEERING

_____
By: Jacinto Garza, P.E.
President

THE OWNER:
HIDALGO COUNTY

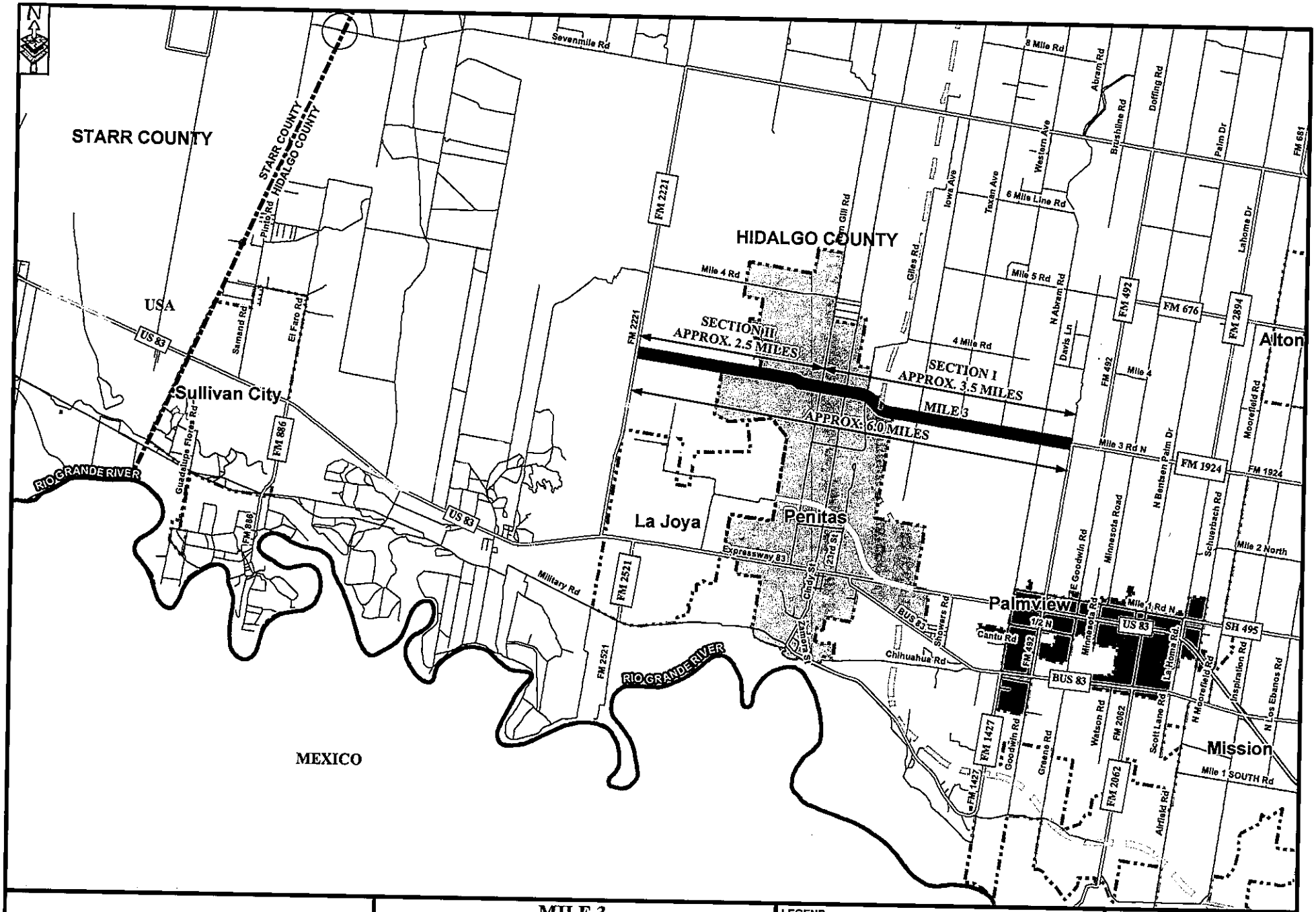
_____
By: Ramon Garcia,
County Judge

ATTEST:

_____
By: Arturo Guajardo, Jr., County Clerk

LIST OF EXHIBITS

Location Map
Exhibit A - Services to be provided by Owner
Exhibit B - Services to be provided by Engineer
Exhibit C - Work Schedule
Exhibit D-2 - Estimated Man-hour Breakdown



L&G Engineering
Transportation Consulting Engineers

MILE 3
PROJECT LOCATION MAP
SECTION I - FROM TOM GILL TO FM 492
SECTION II - FROM FM 2221 TO TOM GILL

LEGEND
- MILE 3 PROJECT LIMITS
- PROJECT APPROX. LENGTH: 6.0 MILES
- PROPOSED HCRMA PROJECTS
- CITY LIMITS
- COUNTY LIMITS
- LA JOYA BYPASS
- STREETS
- STATE ROADS

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EXHIBIT "A"
SERVICES TO BE PROVIDED BY THE OWNER

1. The COUNTY will issue work authorization to initiate all required services and designate the authorized representative of the coordination of each work authorization.

2. The COUNTY will provide copies of all subdivision plats of record and/or in the subdivision process.

3. The COUNTY will provide the ENGINEER with on-going guidance, timely reviews, and decisions necessary to complete services required by the work authorization in order to permit the ENGINEER to maintain an agreed upon project schedule.

4. The COUNTY will process all acceptable requests for payment in a timely manner.

GENERAL INSTRUCTIONS

ENGINEER shall mean L&G Engineering.

STATE shall mean Texas Department of Transportation.

COUNTY shall mean the Hidalgo County.

PROJECT DESCRIPTION

The services designated herein as "Services provided by the ENGINEER" shall include the performance of all engineering services for the following described facility:

COUNTY/CITY: HIDALGO COUNTY

CONTROL: _____

PROJECT/DESCRIPTION: Environmental Assessment, Public Involvement, Schematic and Hydrologic Design for the MILE 3 PROJECT

LENGTH: 6 MILES

HIGHWAY: MILE 3 PROJECT

LIMITS: from FM 2221 TO FM 492

EXISTING FACILITY

PROJECT CLASSIFICATION

(Place an "X" in only one Project Classification)

___ Surface Treatment
___ Overlay
___ Rehabilitation Existing Road (Scarify & Reshape)
___ Convert Non-Freeway to Freeway
___ Widen Freeway
_X_ Widen Non-Freeway
___ New Location Toll Freeway
_X_ New Location Non-Freeway
___ Interchange (New or Reconstruct)
___ Bridge Widening or Rehabilitation
___ Bridge Replacement
___ Upgrade to Standards - Freeway
___ Upgrade to Standards - Non-Freeway
___ Miscellaneous Studies (Use Function Code 110 for All Tasks)

NOTES

ROUTE AND DESIGN STUDIES
(Function Code 110)

Services Provided By: ENGINEER	COUNTY		
YES	N/A	1.	Route Location Studies
N/A	N/A	2.	Level of Service Analysis
YES	N/A	3.	Traffic Evaluations and Projections
YES	N/A	4.	Develop Roadway Design Criteria
YES	N/A	5.	Preliminary Cost Estimates
YES	N/A	6.	Design Schematic (See Section 7, page 7-1 for schematic layout requirements)
YES	N/A	7.	Preliminary Right-of-Way Requirements
YES	N/A	8.	Design Concept Conference
		9.	Soil Core Hole Drilling
N/A	N/A		a. Pavement (See Section 7, pages 7-3 thru 7-4 for requirements)
N/A	N/A		b. Retaining Walls (See Section 10, page 10-1 thru 10-2 for requirements)
N/A	N/A		c. Miscellaneous Structures (See Section 10, page 10-4 for requirements)
N/A	N/A		d. Bridges (See Section 11, page 11-3 for requirements)

NOTES
SOCIAL, ECONOMIC AND ENVIRONMENTAL STUDIES AND PUBLIC INVOLVEMENT
(Function Code 120)

Services Provided By: ENGINEER	COUNTY	
		1. Environmental Reports All Environmental Reports shall be in accordance with 43 Texas Administrative Code (TAC) 2.40-2.51, Code of Federal Regulations, Title 23, Part 771 and Highway Design Operations and Procedures Manual, Part II-B.
		a. Environmental Assessments
NO	NO	(1) An Environmental Assessment shall be prepared, anticipating a Categorical Exclusion.
YES	NO	(2) An Environmental Assessment shall be prepared, anticipating a Finding of No Significant Impact.
NO	NO	(3) An Environmental Assessment shall be prepared, anticipating the need for a Draft Environmental Impact Statement.
		b. Environmental Impact Statement
NO	NO	(1) A Draft Environmental Impact Statement shall be prepared. After appropriate interagency and public reviews within time limits prescribed by the Code of Federal Regulations, Title 23, Part 771 and 43 Texas Administrative Code 2.40-2.51, a Final Environmental Impact Statement shall be prepared.
NO	NO	(2) A Section 4(f) Statement (Department of Transportation Act) shall be provided by the ENGINEER. The format and content of the statement is found in FHWA Technical Advisory T6640.8A.
		2. Public Involvement All public involvement procedures shall be in accordance with 43 Texas Administrative Code (TAC) 2.40-2.51, Code of Federal Regulations Title 23, Part 771 and Highway Design Operations and Procedures Manual, Part II-B.
YES	NO	a. A public involvement meeting(s)/hearing(s) shall be scheduled, coordinated and conducted.*
YES	NO	b. Technical assistance, meeting(s)/hearing(s) preparation, maintenance of contracts lists, minutes of meeting(s), exhibit preparation, and other tasks outlined by the COUNTY, shall be provided.
		3. Cultural Resources Formal consultation with the State Historic Preservation Office (SHPO) and the Texas Historical Commission (THC) will be conducted by the COUNTY.
YES	NO	a. Historic Structure Studies A records search and reconnaissance survey shall be performed, and documentation prepared regarding identification efforts, National Register eligibility and potential impacts to historic properties in accordance with the state's historic structure requirements.
		b. Archeological Studies
YES	NO	(1) Files searches shall be conducted to determine if known archeological sites are present; to identify whether these sites have been listed or determined eligible for the National Register of Historic Places or have been designated State Archeological Landmarks; and to identify the need (if any) to perform additional archeological investigations.
YES	NO	(2) Archeological reconnaissance will be performed under a Texas Antiquities Permit (13 TAC 26) signed for the Sponsor by a professional archeologist with the STATE.
YES	NO	(3) Archeological survey shall be performed under a Texas Antiquities Permit (13 TAC 26) signed for the Sponsor by a professional archeologist with the STATE.

Services Provided By:
ENGINEER COUNTY

4. Noise and Air Quality Analyses

YES NO a. Noise Analysis
A noise analysis shall be prepared, including predicted noise levels and the consideration and evaluation of noise mitigation, in accordance with the STATE'S Noise Guidelines. The noise analysis or a summary of the noise analysis shall be included in the environmental document for the project.

YES NO b. Air Quality Analysis
An air quality analysis shall be prepared in accordance with the STATE'S Air Quality Guidelines. The air quality analysis or a summary of the air quality shall be included in the environmental document for the project.

YES NO 5. Ecological Investigations
A wetland survey and if necessary, a wetland delineation shall be conducted and a "wetland finding" shall be provided if necessary. As part of the environmental phase of the project, the consultant should notify the District if it is believed that a Section 404 or Section 9 permit is required, and provide the technical data to the District for application to the U.S. Army Corps of Engineers and/or the U.S. Coast Guard.

A determination should be made if there are potential federally listed endangered or threatened species that could be impacted. The District will be notified as soon as possible that Section 7 or 10 consultations may be required. Supporting data will be furnished to the district when consultation with the U.S. Fish and Wildlife Service is undertaken.

YES NO 6. Hazardous Materials
The consultant shall perform an Environmental Site Assessment for hazardous materials impact in accordance with the American Society for Testing and Materials (ASTM) 1528.93 (Transaction Screen Process).

YES NO 7. General Guidelines for Preparation of Environmental Documents

a. The Biological Impact Evaluation Report will be prepared and submitted electronically to TxDOT.
b. All cultural resource reports (i.e. Archeological and Historical Project Coordination Requests (PCRs), background and reconnaissance surveys) will be submitted electronically to TxDOT.
c. The draft administratively complete document will be submitted to TxDOT electronically through their FTP site.
d. The administratively complete document will be prepared in accordance with the content and format of FHWA Technical Advisory T6640.8A and the TxDOT Administrative Code 43 TAC §2.44.
e. The administratively complete document will be submitted to TxDOT electronically through their FTP site.
f. Upon completion and approval of the administratively and technically complete document, the Engineer will provide one (1) hard copy to the Client, one (1) hardcopy to the district, and (3) hardcopies to TxDOT ENV.
g. Exhibits in the environmental document shall be color copies and text shall be black and white.

RIGHT-OF-WAY DATA
(Function Code 130)

Services Provided By:
SURVEYOR COUNTY

NOTE: No work involving right-of-way (ROW) data is to be performed until the COUNTY has given the ENGINEER written approval of the final location of the proposed ROW lines as approved by TxDOT.

A. RIGHT-OF-WAY MAPPING:

1. PURPOSE:
The purpose of right-of-way mapping is to prepare documents suitable for the acquisition of real property interests and the probable issuance of a title policy.

2. DEFINITIONS:
For purposes of this Contract, the following definitions shall apply:

2.1. Abstract Map – A drawing to scale prepared from record documents depicting proposed right-of-way lines, existing right-of-way lines, easement lines, and private property lines with relevant grantee names, recording data, and recording dates.

2.2. Closure/Area Calculation Sheet – A computer generated print-out of the area and the perimeter bearings, distances, curve data, and coordinates of an individual parcel of land to be acquired.

2.3. Access Denial Line – A line which indicates specific location where access to the roadway is denied.

2.4. Property Descriptions – A written metes and bounds description delineating the area and the boundary and describing the location of an individual parcel of land unique to all other parcels of land.

2.5. Owner – The most current title holder of record as determined by a study of the Real Property Records.

2.6. Parcel Plat – An 8 ½ inch by 11 inch drawing to scale depicting all the information shown on the right-of-way map regarding an individual parcel of land to be acquired.

2.7. Parent Tract – A unit or contiguous units of land under one ownership, comprising a single marketable tract of land consistent with the principle of highest and best use. A parent tract may be described by a single instrument or several instruments. A single parent tract cannot be severed by a public right-of-way, easement, or separate ownership which destroys unity of use.

2.8. Parent Tract Inset – A small line drawing, to an appropriate scale, of the parent tract perimeter placed upon the right-of-way map in the proximity of the respective parcel. Parent tract insets are used in cases where the parent tract cannot be shown to the same scale as the right-of-way map. Since parent tract insets are used to identify the limits and location of parent tracts, they should include public right-of-ways, utility easements and fee strips, and identifiable water courses which bound the parent tract.

2.9. Point of Beginning (P.O.B.) – A corner of the parcel of land to be acquired, located on the proposed right-of-way line and being the beginning terminus of the first course of the property description.

2.10. Point of Commencing (P.O.C.) – A monumented property corner which can be identified in the Real Property Records and is located outside the proposed right-of-way corridor. For title purposes, the point of commencing should be a monumented back corner of the parent tract. In the event a monumented back corner of the parent tract cannot be recovered, the nearest identifiable monumented property corner located outside the proposed right-of-way corridor may be used.

FOR NEGOTIATION PURPOSES

Services Provided By:
SURVEYOR COUNTY

2.11. Preliminary Right-of-Way Layout/Abstract Map – A drawing to scale depicting proposed right-of-way lines, existing right-of-way lines, proposed pavement, access denial lines, the proposed centerline alignment, private property lines, easement lines, visible improvements, visible utilities, the station and offset from the centerline alignment to each Point of Curvature (PC), Point of Tangency (PT), and angle point in the proposed right-of-way lines and to each PC, PT, and angle point in the existing right-of-way lines in areas of no proposed acquisition. *(Reference Sample on CD Attached)*

2.12. Right-of-Way Maps/Property Description/Parcel Plats – A series of 22 inch by 34 inch and 11 inch by 17 inch drawings to scale depicting the results of relevant elements of records research, field work, analysis, computation, and map making required to determine title, delineate areas and boundaries, locate and describe utilities and improvements to the extent necessary to appraise the value and negotiate the acquisition of individual parcels of private land for a proposed right-of-way project. *(Reference Sample on CD Attached)*

3. WORK TO BE PERFORMED:

YES N/A

3.1. Preliminary Right-of-Way Layout/Abstract Map:

An abstract map shall be prepared sufficient to determine the following:

3.1.1. Any and all interests of public record held in the land to be acquired.

3.1.2 The total record holdings of an owner contiguous to land to be acquired from that owner.

3.1.3. Any and all interests in land to be acquired held in common (shopping mall parking lots, subdivision reserves, etc.)

3.1.4. Any and all improvements proposed by other agencies which may have a bearing on project development.

3.1.5. All called monuments, bearings, and distances as per recorded information.

YES N/A

3.2. Right-of-Way Map:

The SURVEYOR shall field locate property corners, existing right-of-way markers, improvements, visible utilities, verify and update the planimetric file, if provided, and as directed by the ENGINEER.

A right-of-way map shall be prepared for each proposed right-of-way project. A right-of-way map shall include a title sheet, an index sheet, a survey control index sheet, a horizontal and vertical control data sheet, and sufficient plan sheets to cover the proposed project, or as directed by the ENGINEER. The STATE has developed standard title sheets, index sheets, and plan sheets, copies of which the SURVEYOR shall request and secure for all purposes of this Contract. Plan sheets shall include, but need not be limited to, the following items of information.

By mutual agreement between the Texas Board of Professional Land Surveying and the TxDOT, right-of-way maps need not be signed and sealed by a Registered Professional Land Surveyor.

3.2.1. Proposed right-of-way lines shall be delineated with appropriate bearings, distances, and curve data. Curve data shall include the radius, delta angle, arc length, and long chord bearing and distance.

3.2.2. Existing right-of-way lines shall be delineated with appropriate bearings, distances, and curve data to the extent necessary to describe the individual parcels of land to be acquired. Curve data shall include the radius, delta angle, arc length, and long chord bearing and distance.

FOR WORK AUTHORIZATION ONLY

Services
Provided By:
SURVEYOR COUNTY

3.2.3. The proposed project baseline alignment shall be delineated with appropriate bearings, distances, and curve data. Curve data shall include the station of the curve Point of Intersection (PI), radius, delta angle, arc length, tangent length, long chord bearing and distance, and the N and E coordinates of the curve PI. All alignment PCs, PTs, and even 500 foot stations shall be labeled as to station.

3.2.4. Proposed paving lines combined with relevant existing paving lines shall be shown to the extent necessary to compile a complete picture of proposed traffic movements. Proposed paving on the final mylars submitted to the ENGINEER shall be shaded with a dot pattern or highlighted by some other means acceptable to the ENGINEER.

3.2.5. Access denial lines shall be shown sufficiently to indicate areas where access is to be denied and where access is to be permitted if required by the ENGINEER.

3.2.6. Private property lines shall be delineated with appropriate bearings, distances, and curve data to the extent necessary to describe the individual parcels of land to be acquired. Curve data shall include the radius, delta angle, arc length, and long chord bearing and distance.

3.2.7. Porción lines, subdivision lines and survey lines shall be shown and identified by name and Porción number.

3.2.8. County lines and city limit lines shall be located and identified by name.

3.2.9. A north arrow shall be shown on each sheet, and, if possible, located in the upper right corner of the sheet.

3.2.10. Monumentation set or found shall be shown and described as to material and size.

3.2.11. A station and offset shall be shown for each PC, PT, and angle point in the proposed right-of-way lines. Stations and offsets shall be with respect to the proposed centerline alignment.

3.2.12. Intersecting and adjoining public right-of-ways shall be shown and identified by name, right-of-way width, and recording data.

3.2.13. Railroads shall be shown and identified by name, right-of-way width, and recording data.

3.2.14. Utility corridors shall be identified as to easement or fee and recording information shall be identified.

3.2.15. Easements and fee strips shall be shown and identified by width, owner, distance of easement to a property corner of the parent track, and recording data.

3.2.16. Building lines or set-back lines shall be shown and identified.

3.2.17. Visible improvements located within the proposed right-of-way corridor or within 50 feet of a proposed right-of-way line shall be shown and identified.

3.2.18. Structures shall be identified as commercial or residential, by number of stories, and as to type (brick, wood frame, etc.).

3.2.19. Structures which are severed by a proposed right-of-way line shall be dimensioned to the extent necessary to completely delineate the severed parts.

3.2.20. Parking areas, billboards, and other on-premise signs which are severed by a proposed right-of-way line shall be dimensioned to the extent necessary to delineate that portion of the parking area, billboard, or sign which is located within the proposed right-of-way corridor.

FOR WORKING PURPOSES ONLY NOT FOR CONSTRUCTION

Services Provided By:
SURVEYOR COUNTY

3.2.21. In cases where structures are located outside the proposed right-of-way corridor and within 25 feet of a proposed right-of-way line, the shortest distance between the structure and the proposed right-of-way line shall be shown and field verified.

3.2.22. Visible utilities located within the proposed right-of-way corridor or within 50 feet of a proposed right-of-way line shall be shown and identified.

3.2.23. The location of underground utilities and fuel storage tanks situated within the proposed right-of-way corridor or within 50 feet of a proposed right-of-way line shall be determined and shown as required by the ENGINEER. The visible location of stand pipes, vents and filler caps in conjunction with available design and as-built drawings may be used to determine a most probable location and size in the event an actual location is indeterminable.

3.2.24. Points of commencing and points of beginning shall be shown and labeled. Points of beginning shall be shown with their respective N and E surface coordinates. As an exception, a point of commencing will not be required in the case of a total taking without a remainder.

3.2.25. Each parcel of land to be acquired shall be identified by a parcel number which shall appear in the ownership tabulation and on the right-of-way map in the proximity of the respective parcel. If the SURVEYOR is unfamiliar with the criteria used by the STATE to assign parcel numbers, he shall seek the assistance of the ENGINEER at the time the abstract map is complete. THE SURVEYOR SHALL SEEK ASSISTANCE FROM THE ENGINEER IN DEVELOPING AN OWNERSHIP TABULATION TABLE.

3.2.26. An ownership tabulation shall be shown which shall include the parcel number, existing area of the parent tract, lot(s) and block(s) constituting the parent tract when applicable, owner's name, type of conveyance, film code, county clerk's file number, taking area, and remaining area of the parent tract located left and/or right of the centerline alignment. Types of conveyance, film code and file numbers refer to conveyances into the STATE and will be added to the right-of-way map by the STATE at a later date. Several blank lines shall be provided in the tabulation block to facilitate future map additions.

3.2.27. A parent tract inset shall be shown for each parent tract which cannot be shown to scale on the right-of-way map. The use of broken scale lines should be avoided. When parent tract insets are used, the point of commencing with the appropriate bearing and distance to the point of beginning may be shown on the parent tract inset.

3.2.28. A note shall be included on the title sheet and each map sheet stating the source of bearings, coordinates, and datum used.

3.2.29. Appropriate notes shall be included on the title sheet and each map sheet stating the following:
   a. Month(s) and year abstracting upon which the map is based.
   b. Month(s) and year field surveys were conducted upon which the map is based.
   c. Month and year the map was completed by the SURVEYOR.

3.2.30. The right-of-way CSJ number, if available, shall be shown on each right-of-way map sheet.

FOR WORKING PURPOSES ONLY NOT FOR CONSTRUCTION

Services Provided By:
SURVEYOR COUNTY

3.3. Exhibits:

An Exhibit shall be prepared for each parcel or tract consisting of a property description and a parcel plat.

YES NO 3.3.1. Property Description:

A property description shall be prepared for each parcel of land to be acquired. Standard formats for property descriptions, copies of which the SURVEYOR shall request to the ENGINEER and secure for all purposes of this Contract. Property descriptions shall include, but need not be limited to, the following items of information.

All property descriptions shall be signed and sealed by a Registered Professional Land Surveyor. The property description shall begin with a general description which shall include as a minimum:

a. State, County, and Survey within which the proposed parcel of land to be acquired is located.
b. A reference to unrecorded and recorded subdivisions by name, lot, block, and recording data to the extent applicable.
c. A reference by name to the grantor and grantee, date and recording data of the most current instrument(s) of conveyance describing the parent tract. Use execution dates in deed references as opposed to recording or filing dates. In any case, the property description shall make clear which date is being used.

The property description shall continue with a metes and bounds description which shall include as a minimum:

d. A point of commencing.
e. A point of beginning with the appropriate N and E surface coordinates.
f. A series of courses, identified by number and proceeding in a clockwise direction, describing the perimeter of the parcel of land to be acquired, and delineated with appropriate bearings, distances, and curve data.

Curve data shall include the radius, delta angle, arc length, and long chord bearing and distance. Each course shall be identified either as a proposed right-of-way line, and existing right-of-way line, or a property line of the parent tract. Each property line of the parent tract shall be described with an appropriate adjoiner call.

g. A description of all monumentation set or found shall include, as a minimum, size and material.
h. A reference to the source of bearings, coordinates, and datum used.

YES NO 3.3.2. Parcel Plat:

A parcel plat shall be prepared for each parcel of land to be acquired. The STATE has developed standard formats for parcel plats, copies of which the SURVEYOR shall request from the ENGINEER and secure for all purposes in this Contract. Parcel plats shall include each and every item of information shown on the right-of-way map which concerns the individual parcel. All parcel plats shall be signed and sealed by a Registered Professional Land Surveyor.

NOT-APPROVED FOR WORK AS-IS

Services Provided By:
SURVEYOR COUNTY

4. DELIVERABLES:

In preparing right-of-way maps, the following is an outline of the work to be submitted (records should be delivered in a binder):

YES NO 4.1. An Abstract Map of the current record title holders included in the Preliminary Map showing the proposed schematic and existing right-of-way as per General Specifications.

YES NO 4.2. A Right-of-Way map for the project limits under cover of Title Sheet, Index Sheet, Control Data Sheet, and Exhibits of the property descriptions and parcel plats as per General Specifications.

YES NO 4.3. Appropriate monuments on the proposed right-of-way lines at intersecting property lines, and at all PCs, PTs, angle points, intersecting right-of-way lines of side streets, and at 1,000 foot stations.

YES NO 4.4. Appropriate monuments on the existing right-of-way lines in areas of no acquisition at all PCs, PTs, angle points, and 1,000 foot stations, and as directed by the ENGINEER.

YES NO 4.5. A SURVEYOR's report, outlining, the approach, reasons or basis for the existing right-of-way determination, and conclusions made.

YES NO 4.6. Records used to establish ownership.

YES NO 4.7. ROW and parcel filed notes signed and sealed by a RPLS.

YES NO 4.8. Computation sheets of survey closures, ground surveys, etc. used to develop plats and meets and bound information.

YES NO 4.9. Items indicated under the Automation Requirements Section 6.

YES NO 4.10 Completed (Attached) Checklist with submittal of ROW Map etc.

5. GENERAL REQUIREMENTS:

For purposes of this Contract, the following general requirements shall apply:

5.1. Copies of instruments of record submitted to the ENGINEER shall be indexed by parcel number.

5.2. Coordinates appearing on right-of-way maps, on parcel plats, and in property descriptions shall be surface coordinates based on the Texas State Plane Coordinate System. The combined adjustment factors (sea level factor x scale factor) which have been developed by the STATE for its use are as follows:

5.2.1. In (List Applicable Counties): Counties (---------- Zone), grid coordinates are multiplied by a combined adjustment factor of 1.xxxxxx to obtain surface coordinates. For work in Counties other than those listed, the ENGINEER will provide the combine adjustment factor.

5.3. Line and curve tables may be used when necessary.

5.4. The number of centerline alignment stations to be shown on a single plan sheet shall be restricted to the extent necessary to allow approximately 4 inches between match lines and sheet borders for future details and notes.

5.5. A minimum 4 inch by 4 inch space shall be reserved at the bottom right corner of each map sheet for future revision notes.

FOR WORK AUTHORIZATION NOT APPLICABLE

Services
Provided By:
SURVEYOR COUNTY

6. AUTOMATION REQUIREMENTS:

In addition to standard hard copy plots and mylar copies, the following will be required electronically:

6.1. Right-of-way maps and parcel plats shall be prepared using a *Micro Station* software graphics system capable of producing graphics files that can be plotted and viewed without further modification or conversion using the State's *Micro Station V8* graphics system.

6.2. It is the intent of the ENGINEER to secure graphics files which have elements of equal integrity, singularity, and attributes as elements prepared using the State's *Micro Station V8* graphics system.

6.3. For purposes of clarity, consistency, and ease of utilization, the SURVEYOR shall request and secure standards relevant to right-of-way mapping to the extent necessary to ensure that the needs of the ENGINEER are met. This includes, but may not be limited to, TxDOT seed file and corresponding units.def file, TxDOT font resource file, TxDOT GEOPAK SMD file, TxDOT DGNLIB, associated cell libraries and custom line styles, and other files as deemed appropriate for the project.

6.4. Graphics files furnished to the ENGINEER by the SURVEYOR shall be submitted on a Compact Disk CD, DVD or USB, in a format compatible with the STATE's computer system. The SURVEYOR shall confer with the ENGINEER regarding acceptable media and formats before making submissions. The SURVEYOR shall request and secure a Consultant File Index form provided by the ENGINEER, to be completed by the SURVEYOR, and to be submitted to the ENGINEER along with the graphics files.

6.5. Property descriptions shall be prepared using a computer word processing system capable of producing data files readable using *Microsoft Office Word Version 2007* word processing software.

6.6. Data files furnished to the ENGINEER by the SURVEYOR shall be submitted in ACSII format on a CD, DVD or USB.

6.7. Provide to the ENGINEER electronic copies of all instruments of record acquired pursuant to a work authorization.

7. GENERAL SPECIFICATIONS:

For purposes of this Contract, the following general specifications for right-of-way mapping shall apply:

7.1. Completed right-of-way maps shall be submitted to the ENGINEER on single or double matte mylar, 22 inches by 34 inches in size with a 21 inch by 32 inch printed border positioned ½ inch from the top, bottom, and right edge of the sheet. Two copies on 11 inch by 17 inch paper will also be supplied to the ENGINEER.

7.2. Parcel plats shall be submitted to the ENGINEER on 8 ½ inch by 11 inch bond paper with respective borders of 7 ½ inches by 10 inches, positioned ½ inch from the top, bottom, and right edge of the sheet. Match lines shall be used where more than one sheet is required.

7.3. Right-of-way maps shall be drawn to a scale of 1 inch = 50 feet. An appropriate scale other than 1 inch = 50 feet may be used on some proposed right-of-way projects upon prior approval by the ENGINEER.

FOR REVIEW PURPOSES ONLY NOT FOR CONSTRUCTION

Services
Provided By:
SURVEYOR COUNTY

7.4. Since right-of-way maps are reduced in size by one-half for archiving purposes, the smallest size lettering acceptable on a right-of-way map shall be 1/10 of one inch (Leroy #100). A right-of-way map which contains any lettering smaller than 1/10 of one inch will not be accepted by the ENGINEER.

7.5. Parcel plats shall be drawn to a preferred scale of 1 inch = 50 feet. An appropriate scale other than 1 inch = 50 feet may be used on some proposed right-of-way projects upon prior approval by the ENGINEER. In the case of a very large parcel which would be difficult to show with clarity on a single 8 ½ inch by 11 inch sheet, the SURVEYOR shall use multiple 8 ½ inch by 11 inch sheets with matching lines.

7.6. The smallest size lettering acceptable on a parcel plat shall be 0.06 of an inch (Leroy #60).

7.7. Property descriptions shall be submitted on 8 ½ inch by 11 inch bond paper.

7.8. The ENGINEER has encountered a number of mylar products which are considered unacceptable. The SURVEYOR shall confer with the ENGINEER regarding mylar products he intends to use which have not been previously used on State projects.

7.9. Zip-A-Tone or other similar stick-on products shall not be used on right-of-way maps or parcel plats.

8. **ADHERENCE TO STANDARDS:**

For purposes of clarity, consistency, and ease of understanding, the COUNTY, as an acquiring agency of private property for public use, has adopted the STATE standards and formats for right-of-way mapping which have proven to facilitate the processes of negotiation, appraisal, relocation assistance, and condemnation. It shall be the responsibility of the SURVEYOR to adhere to these standards and formats to every extent possible to ensure that the needs of the acquiring agency are met.

SAMPLES ATTACHED FC 130:

- PRELIMINARY Right-of-Way Layout / Abstract Map
- Right-of-Way Map, Field Notes, Parcel Sketches and Area Computation Sheets

FOR WORK AUTHORIZATION NOT AVAILABLE

ROW MAP CHECKLIST

Consultant: _____
Contract/WA# _____
Responsible Office: _____
Project Manager: _____
County: _____
Highway: _____
RCSJ: _____
CCSJ: _____

As the responsible consultant project manager, I hereby certify that the attached ROW Map has undergone a QA/QC review, with the following applicable items specifically checked for accuracy, completeness and constructability (as noted by Checkmarks)

_____
Signature Date

_____
Printed Name

(This Checklist must be signed by the RPLS and turned in with all proposed ROW Projects.

NOT APPLICABLE FOR WORK AUTHORIZATION

MAP:

General
___ All documents have been proofread and are accurate.
___ Title Commitments for each individual parcel.
___ Graphics files compatible with Micro station and Word software are provided.
___ Photos of proposed ROW staking included.
___ Field notes and Parcel Plats are numbered continuous.
___ Scale shall be 1"=50' or 1"=100".

Title Sheet Requirements
___ Title and description of project including county, limits, etc....
___ Vicinity map with beginning and ending station
___ Equations and Exceptions
___ Index
___ Legend
___ Title block completely filled out with Construction and R.O.W. CSJs'
___ List all Major Utilities from Station to Station

Individual Map Sheet Requirements
___ Sheet size 34" X 22"
___ Text legible when reduced to half-scale.
___ Title block completely filled out with R.O.W. CSJ
___ Matchlines
___ Project layout sheet
___ Existing utility lines and easements, deed reference, as shown on Schedule "B" of the Title Commitment, and defined on parcel plats

Existing information:
___ R.O.W. lines
___ Whole property or whole property inset
___ Roadways
___ Survey, county, and city limit lines shown and labeled
___ Improvements shown and labeled *(see below)*
___ Monumentation i.e. P.C., P.T., Break Points
___ North arrow
___ Scale
___ Property lines

___ Property descriptions i.e., lot, block, tract, subdivision, etc…
___ Identify existing and proposed access denial locations *(if applicable)*

Proposed information:
___ #5- 2-ft iron road set monumentation i.e. P.C., P.T., Break Points and 1000' stations at proposed ROW lines and where existing ROW line is the proposed ROW.
___ Survey and R.O.W. lines
___ Basis of bearings
___ Parcel bearings and distances correspond with traverse sheet
___ Outside ties (P.O.C.) corresponds with field notes
___ Point of beginning (P.O.B.) established on proposed R.O.W. line
___ Parcel tied to baseline
___ Baseline information shown i.e. Stationing, bearings, curve data, etc…
___ Conveyance information shown in tables i.e. parcel number, grantors name, amount of take, remainder etc.
___ Math checked on remainder

Improvements:
___ Improvements bisected or within 25' of proposed R.O.W. line are shown on map with stationing and distance from proposed R.O.W. line. Buildings are labeled and dimensioned.
___ Off-premise outdoor advertising signs within proposed R.O.W. are shown and labeled.

Utilities:
___ All utilities within or crossing existing and proposed right of way are shown and labeled as to size, easement or fee width, and recording data of instrument.
___ Location of underground storage tanks and/or filler caps are shown and labeled

FIELD NOTES - Heading
___ County
___ Highway
___ Parcel number
___ R.O.W. CSJ
___ Construction CSJ

General Description or "preamble"
___ Area of parcel to be acquired is shown in acreage (0.000) for rural land and/or square feet (to nearest whole sq. ft.) for urban land or smaller parcels.
Parent tract data is shown:
___ Size of parent tract
___ Survey data or lot, block, and subdivision
___ Name of last recorded seller and buyer
___ Date, volume and page or document number of last recorded conveyance
___ Records and county of last recorded conveyance

Beginning Description
___ Point of commencement is on outside tie and is described accurately by bearings and distances as it leads to the point of beginning.
___ Point of beginning is on proposed R.O.W. line

Particular Description
___ Traverse calls are clockwise sequence
___ Bearings and distances correspond exactly with map, parcel sketch, and traverse sheet
___ Bearings are to nearest whole second and distances are to the nearest one-hundredth of a foot
___ Calls are numbered
___ Denial of access shall be described from beginning to end *(if applicable)*

Closing Description
___ Last call leads back to P.O.B.
___ Restates area of parcel

NOT-APPLICABLE FOR WORK AUTHORIZATION NO. 1

___ Establishes taking in existing road R.O.W. if applicable
___ Legal description is referenced to Plat
___ Sealed and signed
___ Include an access clause whether access is permitted or denied *(if applicable)*

PARCEL SKETCH:

___ Shows P.O.B. and P.O.C.
___ All data corresponds exactly with Map and Field Notes
___ Sheet size is no larger than 81/2" x 11"
___ Plat closely matches example provided
___ Plat referenced to legal description
___ Sealed and signed
___ Include an access clause whether access is permitted or denied *(if applicable)*
___ Existing utility lines and easements (deed reference, if available);

TRAVERSE SHEET

___ Computations show area to be acquired in sq. ft. or acres, whichever is applicable
___ Computations show area that is existing road R.O.W. if applicable
___ Traverse calls are in clockwise sequence
___ Error of closure meets the following:

Secondary rural	.0003
Primary rural - secondary urban	.0002
Urban or industrial	.00013

NOT-APPLICABLE
FOR WORK AUTHORIZATION NO. 1

FIELD SURVEYING AND PHOTOGRAMMETRY

(Function Code 150)

Services Provided By:
ENGINEER COUNTY

B. DESIGN AND CONSTRUCTION SURVEYS:

1. PURPOSE:

The purpose of a "design survey" is to provide field information in support of transportation systems design.

The purpose of a "construction survey" is to provide field data in support of highway construction.

2. DEFINITIONS:

A "design survey" is defined as the combined performance of research, field work, analysis, computation, and documentation necessary to provide detailed topographic (3-dimensional) mapping of a project site. A design survey may include, but need not be limited to, cross-sections or data to create cross-sections and Digital Terrain Models (DTM), horizontal and vertical location of utilities and improvements, detailing of bridges and other structures, review of right-of-way maps, establishing control points, etc.

A "construction survey" is defined as the combined performance of reconnaissance, field work, analysis, computation, and documentation necessary to provide the horizontal and vertical position of specific ground points to be used by the construction contractor for determining lines and grades.

3. WORK TO BE PERFORMED:

3.1. Design Surveys:

In performing design surveys, the following will be requested by the ENGINEER on an as needed basis, but need not be limited to:

YES N/A 3.1.1. Obtain or collect data to create cross-sections and digital terrain models including any missing voids identified by the ENGINEER.

YES N/A 3.1.2. Locate all existing utilities, overhead and underground.
Horizontally – the SURVEYOR shall call the 1-800 number for the utilities to be marked on the ground as well as any city water and sewer lines. He shall tie all visible utility crossings with name, address and Phone #'s of utility companies. The ENGINEER will coordinate with the utility companies and jointly the SURVEYOR and the ENGINEER will identify which utilities were missed and need to be tied down.
Vertically – The ENGINEER shall identify all utilities that are potential conflicts and that need to be tied vertically and coordinate the exposure. The ENGINEER will advise the SURVEYOR in writing of the needed vertical ties and he will provide the required information to the ENGINEER promptly.

YES N/A 3.1.3. Locate topographical features and existing improvements.

N/A N/A 3.1.4. Provide details of existing bridge structures. The SURVEYOR shall tie the top of deck and/or top of cap elevations at the Profile Grade Line (PGL) and the edges of slab at bent locations.

YES N/A 3.1.5. Provide details of existing drainage features, such as culverts, manholes, inlets, etc. The SURVEYOR will tie horizontally and vertically all existing storm drain systems that lie within the existing & proposed ROW including the elevation of the outfall of said recovered existing storm drain systems.

YES N/A 3.1.6. Profile and cross section intersecting streets for ties into project (500-ft. beyond the proposed ROW per schematic and 20-ft wider than the existing ROW of intersecting street).

Services Provided By: ENGINEER	COUNTY		
YES	N/A	3.1.7.	Cross section irrigation crossings for a distance of 20-ft beyond the proposed ROW at 100-ft intervals in a DTM file. Provide a complete description of irrigation appurtances as identified by the engineer sample layout. The SURVEYOR will meet with the ENGINEER before he ties down any irrigation lines. The ENGINEER will provide him the existing Irrigation District Maps and the A&M Data of existing irrigation lines that are identified of record. He will follow the sample given to him by the ENGINEER and tie the structures horizontally and vertically and include in the field books to be submitted.
YES	N/A	3.1.8.	Cross section and profile all outfall channels identified on the Hydrologic Map for a distance of 200-ft beyond the proposed ROW upstream and downstream at 100-ft intervals. The SURVEYOR will provide a complete 2D/3D File including utilities of the outfalls identified.
YES	N/A	3.1.9.	Inventory all driveways, commercial entrances, public roads and side streets separately. Obtain centerline station, Width at ROW, PAV'T and existing radius. Inventory by type (dirt, caliche, gravel or paved). If paved, indicate condition in terms of no patches, has patches or has potholes. Obtain width at R.O.W. line. Obtain elevations at both edges of the driveway or turnout in line with the side drain.
YES	N/A	3.1.10.	Inventory signs, mailboxes, and large trees within the proposed ROW.
N/A	N/A	3.1.11.	Locate wetlands.
YES	N/A	3.1.12.	Establish additional control points.
YES	N/A	3.1.13.	Locate existing right-of-ways.
YES	N/A	3.1.14.	Review right-of-way maps.
N/A	N/A	3.1.15.	Locate boreholes.
N/A	N/A	3.1.16.	Perform hydrographic surveys.
YES	N/A	3.1.17.	Update existing control data and prepare survey control data sheets, as required by the Design Manual, signed by a Registered Professional Land Surveyor, for inclusion into a construction plan set.
		3.2.	Construction Surveys:
			In performing construction surveys, the following will be requested by the ENGINEER on an as needed basis, but need not be limited to:
YES	N/A	3.2.1.	Stake existing and/or proposed right-of-ways.
YES	N/A	3.2.2.	Stake existing and/or proposed baseline/centerline.
N/A	N/A	3.2.3.	Stake proposed bridge structures.
N/A	N/A	3.2.4.	Stake proposed drainage structures, such as manholes, culverts, etc.
N/A	N/A	3.2.5.	Set grade stakes.
YES	N/A	3.2.6.	Recover and check existing control points.
N/A	N/A	3.2.7.	Establish additional control points.
YES	N/A	3.2.8.	Check elevations and locations of structures.
YES	N/A	3.2.9.	Determine and resolve conflicts associated with survey data.

4. DELIVERABLES:

The deliverables to be specified in individual work authorizations for design surveys and construction surveys may be any combination of the following:

YES	N/A	4.1.	Digital Terrain Models (DTM) in a format acceptable by the ENGINEER.
YES	N/A	4.2.	Final H&V Field Book Binder with all pertinent information obtained in the field for Design Surveys. Maps, plans, or sketches prepared by the SURVEYOR showing the results of field surveys.

FOR WORK AUTHORIZATION NO. 2

YES N/A 4.3. Computer printouts or other tabulations summarizing the results of field surveys.

YES N/A 4.4. Digital files or media acceptable by the ENGINEER containing field survey data.

YES N/A 4.5. Maps, plats, plans, sketches, or other documents acquired from utility companies, private corporations, or other public agencies, the contents of which are relevant to the survey.

YES N/A 4.6. Field survey notes, as electronic and/or hard copies.

YES N/A 4.7. An 8 ½ inch by 11 inch survey control data sheet for each construction control point which shall include, but need not be limited to, a location sketch, a physical description of the point including a minimum of two reference ties, surface coordinates, a surface adjustment factor, elevation, and the horizontal and vertical datums used. Survey control data sheets shall be signed and sealed by the supervising Registered Professional Land Surveyor.

YES N/A 4.8. Final mylar set of 11 inch by 17 inch Survey Control data sheets sign and seal by the RPLS per TxDOT guidelines.

YES N/A 4.9. A digital and/or hard copy of all computer printouts of horizontal and vertical conventional traverses, GPS analysis and results, data including property descriptions with field notes and plats, right-of-way maps, and survey control data sheets to include in the H&V Field Book Binder.

YES N/A 4.10. Survey reports in a format requested by the ENGINEER.

YES N/A 4.11. Items indicated under the Automation Requirements Section 6.

5. GENERAL REQUIREMENTS:

5.1. Design surveys and construction surveys shall be performed under the supervision of a Registered Professional Land Surveyor currently registered with the Texas Board of Professional Land Surveying.

5.2. Horizontal ground control used for design surveys and construction surveys, furnished to the SURVEYOR by the ENGINEER or based on acceptable methods conducted by the SURVEYOR, shall meet the standards of accuracy required by the STATE.

Reference may be made to standards of accuracy for horizontal control traverses, as described in the FGCS Standards and Specifications for Geodetic Control Networks, latest edition, the TxDOT Survey Manual, latest edition, the TxDOT GPS Manual of Practice, latest edition, or the TSPS Manual of Practice for Land Surveying in the State of Texas, as may be applicable.

5.3. Vertical ground control used for design surveys and construction surveys, furnished to the SURVEYOR by the ENGINEER or based on acceptable methods conducted by the SURVEYOR, shall meet the standards of accuracy required by the ENGINEER.

Reference may be made to standards of accuracy for vertical control traverses, as described in the FGCS Standards and Specifications for Geodetic Control Networks, latest edition, the TxDOT Survey Manual, latest edition, the TxDOT GPS Manual of Practice, latest edition, or the TSPS Manual of Practice for Land Surveying in the State of Texas, as may be applicable.

5.4. Side shots or short traverse procedures used to determine horizontal and vertical locations shall meet the following criteria:

5.4.1. Side shots or short traverses shall begin and end on horizontal and vertical ground control as described above.

5.4.2. Standards, procedures, and equipment used shall be such that horizontal locations relative to the control may be reported within the following limits:

a. Bridges and other roadway structures: less than 0.1 of one foot.
b. Utilities and improvements: less than 0.2 of one foot.
c. Cross-sections and profiles: less than 1 foot.
d. Bore holes: less than 3 feet.

FOR NON-APPLICABLE INFORMATION

5.4.3. Standards, procedures, and equipment used shall be such that vertical locations relative to the control may be reported within the following limits:
   a. Bridges and other roadway structures: less than 0.02 of one foot.
   b. Utilities and improvements: less than 0.1 of one foot.
   c. Cross-sections and profiles: less than 0.2 of one foot.
   d. Bore holes: less than 0.5 of one foot.

6. AUTOMATION REQUIREMENTS:

6.1. Planimetric design files (DGN) shall be fully compatible with the State's *Micro Station V8* graphics program without further modification or conversion.

6.2. Electronically collected and processed field survey data files shall be fully compatible with the State's *CADD* systems without further modification or conversion. All files shall incorporate only those feature codes currently being used by the STATE.

6.3. Digital Terrain Models (DTM) shall be fully compatible with the STATE's GEOPAK system without further modification or conversion. All DTM files shall be fully edited and rectified to provide a complete digital terrain model with all necessary break lines.

NOT-APPLICABLE
FOR WORK AUTHORIZATION NO.

ADDITIONAL RESPONSIBILITIES

A. TRAFFIC CONTROL:

The SURVEYOR shall control traffic in and near surveying operations adequately to comply with provisions of the latest edition of the TxDOT Manual on Uniform Traffic Control Devices – Part VI and the latest edition of the Occupational Safety Manual both of which can be found on the TxDOT internet site.

In the event field crew personnel must divert traffic or close traveled lanes, a Traffic Control Plan based upon principles outlined in the latest edition of the TxDOT Manual on Uniform Traffic Control Devices – Part VI shall be prepared by the SURVEYOR and approved by the ENGINEER prior to commencement of field work. A copy of the approved plan shall be in the possession of field crew personnel on the job site at all times and shall be made available to the ENGINEER for inspection upon request.

B. INVOICING:

Payment requests shall include a SURVEYOR's invoice. With each payment request, the SURVEYOR shall submit a project status report which will, as a minimum, include the percentage of total work complete as of the date of the payment request and a description of current work activity. The percentage of total work complete shall not be based simply on the percentage of funds expended, but shall be based on the best judgment of the SURVEYOR as to the percentage of actual work complete.

C. EASEMENTS, LETTERS OF PERMISSION, ETC.

The SURVEYOR shall be responsible for delineating easements. The SURVEYOR will be responsible for securing the necessary legal instruments and obtaining all Right-of-Entries (ROEs).

D. MEETINGS:

The ENGINEER shall setup the necessary meetings with the SURVEYOR in order to assure all field information is provided on-time and products are delivered in accordance with TxDOT's specifications. SURVEYOR must attend all meetings involving data provided if requested by ENGINEER.

E. PROJECT MANAGER/SURVEYOR COMMUNICATION:

The SURVEYOR shall designate one Texas Registered Professional Land Surveyor (RPLS) to be responsible throughout the project for project surveying coordination and all communications, including billing, with the ENGINEER.

F. OFFICE LOCATION:

The SURVEYOR will perform the services to be provided under this agreement out of a local office and have a crew available to perform requested tasks within 24 hours of request. The coordinating SURVEYOR's Project Manager (RPLS) shall be accessible at all times and working from the local office.

ROADWAY DESIGN CONTROLS

(Function Code 160)

Services Provided By: ENGINEER	COUNTY	
		1. Geometric Design
YES	N/A	a. Horizontal and Vertical Alignment
YES	N/A	b. Schematic Layout

(1) The location of interchanges, main lanes, grade separations, frontage roads and ramps.

(2) Develop vertical and horizontal alignment of main lanes, ramps and cross roads at proposed interchanges or grade separations. Frontage road alignment data need not be shown on the schematic; however, it should be developed in sufficient detail to determine ROW needs. The degree of horizontal curves and vertical curve data, including "K" values, shall also be shown for ease of checking.

(3) For freeways, show the location and text of the proposed main lane guide signs. Lane lines and/or arrows indicating the number of lanes shall also be shown.

(4) A complete explanation of the sequence and methods of stage construction, if proposed, including the initial and ultimate proposed treatment of crossovers and ramps.

(5) The tentative ROW limits.

(a) Provide a roadway Design System (RDS) or (GEOPAK) computer tape of the preliminary earthwork to verify ROW requirements.

(b) Provide a graphics file containing the approved schematic.

(6) The geometric (pavement cross slopes, lane and shoulder widths, slope rates for fills and cuts) of the typical sections of proposed highway main lanes, ramps, frontage roads, and cross roads.

(7) The current and projected traffic volumes as provided by the TxDOT (20 year traffic projection, unless otherwise determined by the District Engineer).

(8) The control of access lines if Interstate or designated under House Bill 179.

(9) Direction of traffic flow on all roadways.

(10) Location and width of median openings for highway without access control.

(11) The geometric of speed change (acceleration, deceleration, climbing) lanes.

YES N/A 2. General Guidelines for Project Development

a. Prior to preparing detailed plans for a proposed project, a preliminary schematic layout shall be prepared which indicates the general geometric features and location requirements peculiar to the project. An uncontrolled aerial mosaic will be provided for this use. Four copies of the schematic layout shall be submitted through the district to the Design Division for approval and subsequent coordination with the Federal Highway Administration (FHWA) where applicable. The layout shall be submitted for two-lane arterial highway projects on new locations and for all multi-lane highway projects. **No geometric design is to be performed until the COUNTY has given the engineer written approval of the preliminary schematic layout.**

b. All geometric design shall be in conformance with the State's Design Division, Operations and Procedures Manual, except where variances are permitted in writing by the STATE.

c. The schematic layout shall include basic information which is necessary for the proper review and evaluation including the items listed above in the checklist for schematic layout.

d. Handling of traffic during construction shall be a consideration in the development of preliminary designs.

Services Provided By: ENGINEER	COUNTY	
YES	N/A	2. General Guidelines for Project Development *(continued)*
		e. Upon approval of the schematic layout by Design Division (FHWA on Federal-aid projects), it shall be the basis for an exhibit at any required public hearing prior to final development of the project. If there are any changes to the schematic after the Design Division and FHWA approval and before the public hearing, four copies of the revised schematic, as displayed at the hearing, shall be submitted either prior to or accompanying the public hearing data. If there are no changes in the schematic as displayed at the hearing, only photographs of the schematic and other displays shall be submitted with the public hearing data.
		f. For all freeway construction projects, these schematics shall show the location and text of the proposed main lane guide signs. A schematic layout shall be submitted through the district to the Traffic Operations Division, Traffic Safety Section for approval and subsequent coordination with the FHWA. All signing shall be in conformance with the Texas MUTCD.
		g. On complex projects, informal contact through the district with the Design Division and FHWA personnel is encouraged with regard to development of preliminary design prior to official schematic submission.
		h. The engineer shall furnish a project tape that is compatible with the STATE's computer system, a project listing, and a cross section plot showing the original design sections containing the earthwork input and original cross sections for the project. **Accuracy of the earthwork design is of utmost importance since it is the basis for contractor payments and construction staking.**
N/A	N/A	3. Exhibit for Airway/Highway Clearance Permits
		4. Grading Design
NO	N/A	a. Refine the horizontal and vertical alignment of main lanes, frontage roads, ramps, cross roads and direct connectors based upon the approved schematic layout. Determine vertical clearances at grade separations and overpasses, taking into account the appropriate super elevation rate.
NO	N/A	b. Typical Sections
NO	N/A	c. Design Cross Sections
NO	N/A	d. Determine Cut and Fill Quantities
N/A	N/A	e. Slope Stability Analysis
N/A	N/A	f. Embankment Foundation Stability Analysis
N/A	N/A	g. Embankment Settlement Analysis
		5. Pavement Design
NO	N/A	a. Prior to initiating detailed plan preparations for a project, a preliminary investigation shall be made to determine the approximate section and pavement type to be used for the pavement structure. The Flexible Pavement Design Manual for flexible pavement, "Appendix F" of the Design Division, Operations and Procedures Manual, and the current AASHTO Guide for the Design of Pavement Structures, may be used for this purpose.
NO	N/A	b. The typical section shall also reflect proposed geometric including pavement cross slopes, lane and shoulder widths, and slope rates whenever this data have not been previously shown on a schematic submission.
		c. Embankment and Subgrade
		(1) Soil Core Holes (Show cost estimate with Function Code 110)
N/A	N/A	(a) Along center line
N/A	N/A	(b) Along center line of each roadway
		The location and minimum number of soil core holes required for this project are as follows: (To be determined when schematic is being completed)

Services Provided By: ENGINEER	COUNTY	
		5. Pavement Design *(continued)*
		c. Embankment and Subgrade *(continued)*
NO	N/A	(2) Identify,interpret and summarize geologic features that affect engineering design (PI, Sulfate content, % of lime)
NO	N/A	d. Traffic Data for Pavement Design by STATE
NO	N/A	e. Basic Design Criteria
NO	N/A	f. Life Cycle Cost Analysis(es)
NO	N/A	g. Cost Data
NO	N/A	h. Pavement Material Properties
NO	N/A	i. Rehabilitation Investigations
NO	N/A	(1) Core Hole Survey (Show cost estimate with Function Code 110)
		(a) Determine type and depth of existing material, pavement, etc. The Engineer will determine whether to salvage ACP and FLEXBASE as well as their properties and provide this information to TxDOT.

NOT-APPLICABLE
FOR WORK AUTHORIZATION NO.

DRAINAGE

(Function Code 161)

Services Provided By: ENGINEER	COUNTY	
		All hydraulic design shall be in accordance with the TxDOT's Hydraulic Manual, except where variances are permitted in writing by the COUNTY.
		1. Hydrologic Studies, Discharges
YES	N/A	a. Drainage area maps showing existing conditions and proposed improvements.
YES	N/A	b. Hydrologic data/discharge determination
		2. Hydraulic Drainage Study and Documentation
		a. Hydraulic computations
NO	N/A	(1) Storm water detention available within the ROW (linear ft. along side drain ditch).
NO	N/A	(2) Storm water detention required outside the ROW (as per HCDD#1)
NO	N/A	(3) Culverts
NO	N/A	(4) Bridge waterways
NO	N/A	(5) Channels
NO	N/A	(6) Storm sewers/inlets
NO	N/A	(7) Pump stations
NO	N/A	(8) Storm Water Management facilities
NO	N/A	(9) Other
		(a) Irrigation Canals/Siphons
NO	N/A	b. Hydraulic report(s)
NO	N/A	c. Federal Emergency Management Agency (FEMA) floodway requirements
NO	N/A	d. Determine impact of proposed drainage plan on the following receiving stream(s)
		(1) Hidalgo County Drainage District Outfalls
		(2) All Irrigation District Outfalls impacted
		3. Layout, Structural Design and Detailing of Drainage Features
		a. Culverts
NO	N/A	(1) New culverts
NO	N/A	(2) Culvert widening and/or lengthening
NO	N/A	(3) Culvert replacements
		b. Storm sewers
NO	N/A	(1) New storm sewers
NO	N/A	(2) Modify existing storm sewers
NO	N/A	(3) Inlets
NO	N/A	(4) Manholes
NO	N/A	(5) Trunk lines
NO	N/A	c. Pump stations
NO	N/A	d. Subsurface drainage at retaining walls
NO	N/A	e. Outfall channel(s) within the ROW
NO	N/A	f. Outfall channel(s) outside the ROW
NO	N/A	g. Detention Pond(s) within the ROW
NO	N/A	h. Detention Pond(s) outside the ROW
NO	N/A	i. Summary of Quantities
NO	N/A	j. Storm Water Management facilities
NO	N/A	4. Storm Water Pollution Prevention Plan (SW3P)
NO	N/A	5. Scour Evaluation - Waterway Structures only (to be completed by Bridge Engineer under FC 170.

SIGNING, MARKINGS AND SIGNALIZATION

(Function Code 162)

Services Provided By: ENGINEER	COUNTY	
YES	N/A	1. Signing and Markings Layout

a. Requirements (Separate Layout)
   (1) Roadway layout
   (2) Center line with station numbering
   (3) ROW lines
   (4) Culverts and other structures that present a hazard to traffic
   (5) Location of utilities, if not shown on plan and profile
   (6) Existing signs to remain, to be removed, to be relocated
   (7) Proposed signs (illustrated and numbered)
   (8) Existing overhead sign bridges to remain, to be revised, removed or relocated
   (9) Proposed overhead sign bridges indicating location by plan layout (electrical details need not be shown on this layout)
   (10) Proposed markings (illustrated and quantified) which include pavement markings, object markings and delineation
   (12) Quantities of existing pavement markings to be removed
   (13) Proposed delineators and object markers

b. For projects involving freeway to freeway or other types of directional interchanges, projects including left-hand ramps or connections, the following information must be provided:
   (1) The location of interchanges, main lanes, grade separations, frontage roads and ramps
   (2) complete explanation of the sequence and methods of stage construction, where applicable, which would include the initial and ultimate proposed treatment of crossovers and ramps
   (3) The number of lanes in each section of proposed highway and the location of changes in numbers of lanes
   (4) The projected traffic volumes as provided by the STATE (20 year traffic projection, unless otherwise determined by the District Engineer)
   (5) Tentative ROW limits
   (6) Direction of traffic flow on all roadways
   (7) Main lane, ramp, frontage road, and necessary cross road profiles at proposed interchanges or grade separations

YES	N/A	2. Summary of Small Signs Tabulation
YES	N/A	3. Summary of Large Signs Tabulation including all Guide Signs
YES	N/A	4. Sign Detail Sheets

a. All signs except route markers
b. Design details for large guide signs
c. Dimensions of letters, shields, borders, corner radii etc.
d. Designation of shields attached to guide signs
e. Designation of arrow used on exit direction signs

FOR NOTICE TO PROCEED AUTHORIZATION NO.

Services Provided By: ENGINEER	COUNTY	
		5. Traffic Signals
		a. Development of Justification (Warrant) Data
YES	N/A	(1) Location Map Relationship of proposed installation to other traffic signals, highways, business areas and traffic generators
YES	N/A	(2) Photographs as appropriate
YES	N/A	(3) Accident data as appropriate
		(4) Vehicle volumes (provided by TxDOT)
N/A	N/A	(a) Existing
N/A	N/A	(b) Estimated
N/A	N/A	(c) Projected
N/A	N/A	(d) Pedestrian
N/A	N/A	(5) Traffic Survey - Count Analysis
N/A	N/A	(6) Recommendation based on above data
YES	N/A	b. Layout
		(1) Title Sheet (when applicable)
		(a) Describe the location
		(b) Type of installation
		(c) Area map with project limits for each location
		(d) Index of sheets
		(e) Space for official signatures
		(2) Estimate and quantity sheet (when applicable)
		(a) List of all bid items
		(b) Bid item quantities
		(c) Specification item number
		(d) Paid item description and unit of measure
		(3) Basis of estimate sheet (list of materials)
		(4) General notes and specification data sheet
		(5) Condition diagram
		(a) Highway and intersection design features
		(b) Roadside development
		(c) Traffic control including illumination
		(6) Plan sheet(s)
		(a) Existing traffic control that will remain (signs and markings)
		(b) Existing utilities
		(c) Proposed highway improvements
		(d) Proposed installation
		(e) Proposed additional traffic controls
		(f) When applicable, proposed conduit for Railroad interconnect with standard details for runs under tracks.
		(g) Proposed illumination attached to signal poles.
		(7) Notes for plan layout
		(8) Elevation sheet(s) (span wire design)
		(9) Phase sequence diagram(s)
		(a) Signal locations
		(b) Signal indications
		(c) Phase diagram
		(d) Signal sequence table
		(e) Flashing operation (normal and emergency)
		(f) Preemption operation (when applicable)
		(g) Interval timing, cycle length and offset

FOR WORK AUTHORIZATION NO. 1 APPLICABLE

Services Provided By: ENGINEER	COUNTY	
		5. Traffic Signals *(continued)*
YES	N/A	b. Layout *(continued)*
		(10) Construction detail sheets(s)
		(a) Poles (TxDOT standard sheets)
		(b) Detectors
		(c) Pull Box and conduit layout
		(d) Controller Foundation standard sheet
		(11) Marking details (when applicable)
		(12) Barricade and warning sign standard sheet and any special details for work zone traffic control for special conditions
		(13) Aerial or underground interconnect details (when applicable)
		c. General Requirements
		(1) Contact local utility company
YES	N/A	(a) Confirm power source
YES	N/A	(b) Discuss route of aerial or underground interconnect cable (when applicable)
N/A	N/A	(c) Adjustment of overhead utility lines
YES	N/A	(2) Prepare governing specifications and special provisions list
YES	N/A	(3) Prepare project estimate
YES	N/A	d. Summary of Quantities

NOT-APPLICABLE
FOR WORK AUTHORIZATION NO. 1

MISCELLANEOUS (ROADWAY)
(Function Code 163)

Services Provided By: ENGINEER	COUNTY	
		1. Retaining Walls
		a. Structural Details
N/A	N/A	(1) Cast-in-Place Cantilever at _____ locations. (TxDOT Standard Retaining Wall)*
N/A	N/A	(2) Tiedback Retaining Wall at _____ location. (TxDOT standard retaining wall)
N/A	N/A	(3) Specialized Retaining Wall at _____ locations (Unique Design).*
		b. Alternate Patented Retaining Walls at all locations. (Layouts Only)**
N/A	N/A	(1) Mechanically Stabilized Earth
N/A	N/A	(2) Concrete Block Wall Systems
N/A	N/A	c. Retaining Wall Layout (PLAN)
		(1) Designation of reference line
		(2) Beginning and ending retaining wall stations
		(3) Station of each retaining wall joint***
		(4) Offset from reference line
		(5) Horizontal curve data
		(6) Number of retaining wall panels and lengths***
		(7) Total length of wall
		(8) Indicate face of wall
		(9) All wall dimensions and alignment relations (alignment data as necessary)
		(10) Soil core hole locations
N/A	N/A	d. Retaining Wall Layout (ELEVATION)
		(1) Top of wall elevations at each joint or intervals***
		(2) Existing and finished ground line elevations
		(3) Height of stem at each joint***
		(4) Wall panel designations***
		(5) Top of footing elevations***
		(6) Limits of measurement for payment****
		(7) Type, limits and anchorage details of railing (If applicable)
		(8) Top and bottom of wall profiles and soil core hole data plotted at correct station and elevation. The plot shall be at the same scale as the wall profile. Ground water elevations and the observation date shall be shown.
N/A	N/A	e. Foundation Studies (Show cost estimate with Function Code 110)
N/A	N/A	(1) The soil core holes shall be obtained at approximately 200 foot intervals along retaining wall alignments. The core holes shall extend 25 feet below the footing elevation.
N/A	N/A	f. Stability Analysis (the ENGINEER shall estimate this task as part of his bid to complete the work).
N/A	N/A	g. Estimate
N/A	N/A	h. Summary of Quantities
N/A	N/A	i. Typical X-section.
N/A	N/A	j. General Guidelines for Retaining Walls
		(1) The ENGINEER shall make final design calculations and final detail drawings in accordance with standard requirements of the Texas Department of Transportation. **The designer and checker shall check all calculations and initial each page.**
		(2) The ground water level should be observed at the water strike.
		(3) For purposes of uniformity statewide, soil core hole data shall be shown on layouts as illustrated in the Bridges and Structures Foundation Exploration and Design Manual.
		(4) Foundation exploration shall conform to the requirements set forth in Administrative Circular No. 25-84, Administrative Circular 33-87 and Administrative Circular No. 25-92.

FOR NEGOTIABLE NOT FOR CONSTRUCTION NO. 1

Services Provided By: ENGINEER	COUNTY	
YES	N/A	2. Traffic Control Plan, Detours and Sequence of Construction Traffic Control Plans (TCP) are required for all projects. A detailed TCP shall be developed when traffic handling during construction involves complications for which a feasible solution is not covered by the Texas MUTCD or the current Barricade and Construction (BC) Standards. The following items are required on all Traffic Control Plan Layouts: a. The sequence of construction and method of handling traffic during each phase. b. The existing and proposed traffic control devices that will be used to handle traffic during each construction sequence. Include signals, regulatory signs, warning signs, construction warning signs, guide signs, route markers, construction pavement markings, channelizing devices, portable changeable message signs, flashing arrow boards, barricades, barriers, etc. c. The proposed traffic control devices (stop signs, signals, flag person, etc.) at grade intersections during each construction sequence. d. Where detours are provided, typical cross sections shall be shown. e. Road construction work hours shall be developed after an investigation of the traffic volumes has been performed.
		3. Illumination
N/A	N/A	a. Preliminary Roadway Illumination Layout and Circuit Layout (1) For projects involving freeway to freeway or other types of directional interchanges and projects including left-hand ramps or connections, provide the following: (a) The location of interchanges, main lanes, grade separations, frontage roads and ramps (b) A complete explanation of the sequence and methods of stage construction, where applicable, which would include the initial and ultimate proposed treatment of crossovers and ramps (c) The number of lanes in each section of proposed highway and the location of changes in the number of lanes (d) The projected traffic volumes as provided by the STATE (20 year traffic projection unless otherwise determined by the district engineer) (e) Tentative ROW limits (f) Direction of traffic flow on all roadways (g) Main lane, ramp, frontage road, and necessary cross road profiles at proposed interchanges or grade separations
N/A	N/A	b. Final Roadway Illumination and Electrical Circuit Layouts (1) Roadway layout showing pavement edges, shoulders, curbs, retaining walls, etc. (2) Center line with station numbering. (3) ROW lines. (4) Symbol legend. Use department standard symbols for lighting and electrical. (5) Culverts and other structures that present a hazard to traffic. (6) Location of underground utilities, if not shown on plan profile. (7) Location of overhead electrical lines, both crossing and parallel to ROW. (8) Existing sign lighting circuits and roadway illumination to remain, to be removed, to be relocated. (9) Existing service poles, electrical circuits, ground boxes, etc. (10) Contact electric utility for service pole locations, voltage characteristics. (11) Location of proposed sign lighting circuits and roadway illumination. (12) Proposed electrical circuits. (13) Tabulation of all quantities including proposed, existing to be relocated, existing to be removed. The layout sheet quantities and lighting summary shall be shown. Tabulations to include estimated quantity with a column for final quantities.

FOR WORK NOT APPLICABLE AUTHORIZATION NO. 1

Services Provided By: ENGINEER	COUNTY	
		3. Illumination *(continued)*
N/A	N/A	c. General Guidelines for Illumination (If applicable) The ENGINEER shall submit to the COUNTY, well in advance of PS&E due date, the roadway illumination and electrical circuit layout sheets for review by the STATE. Two copies of the layout sheets are to be submitted. One copy will be returned to the Engineer showing corrections that are to be made by the ENGINEER. When final plan submission is made, the ENGINEER shall provide a written statement regarding completion of the corrections.
		4. Miscellaneous Drafting/Standards
YES	N/A	a. Erosion Control
N/A	N/A	b. Landscape Development
YES	N/A	5. Compute and Tabulate Quantities
YES	N/A	6. Special Utility Details (Irrigation lines)
		7. Miscellaneous Structures
		a. Type of Structure*
		(1) Overhead Sign Bridges (O.S.B.) Modifications or special O.S.B. designs shall be prepared using the same design assumptions that are used for the standard O.S.B structures.
N/A	N/A	(a) New O.S.B. structure(s)
N/A	N/A	(b) Structural evaluation of existing O.S.B. structure(s) that are to remain in place or to be relocated.
N/A	N/A	(2) High Mast Illumination Poles (HMIP)
N/A	N/A	(3) Traffic Signal Supports
N/A	N/A	(4) Conventional Illumination Poles
N/A	N/A	(5) Sound Barrier Walls
N/A	N/A	b. Checklist for Layouts
		(1) Reference appropriate O.S.B. standard
		(2) Drilled shaft size and length
		(3) Soil strength used for design {indicate basis and boring(s) used}
		(4) Design height
		(5) Tower heights
		(6) Leg spacings
		(7) Design wind speed
N/A	N/A	c. Foundation Studies (Show cost estimate with Function Code 110) The soils exploration requirements for miscellaneous structures on this project are as follows: (To be provided by the Engineer on an as-needed basis)
		8. Agreements
N/A	N/A	a. Utility Agreements
N/A	N/A	b. Exhibits for Utility Agreements
N/A	N/A	c. Railroad Agreements
		d. Railroad Exhibits
N/A	N/A	(1) Railroad Underpasses
N/A	N/A	(2) Railroad Overpasses
N/A	N/A	(3) Railroad Grade Crossing (Replanking)
N/A	N/A	(4) Railroad Grade Crossing Warning Systems (Signals)
N/A	N/A	(5) Other Miscellaneous Sketches for Railroads
N/A	N/A	e. Traffic Signal Agreements
N/A	N/A	f. Exhibits for Traffic Signal Agreements
N/A	N/A	9. Estimate
N/A	N/A	10. Specifications and General Notes

FOR REVIEW PURPOSES ONLY
NOT FOR CONSTRUCTION
AUTHORIZATION NO. 1

BRIDGE DESIGN
(Function Code 170)

Services Provided By: ENGINEER	COUNTY		NUMBER REQUIRED
		1. Preparation of Structural Details	
		a. New Structure(s)	
N/A	N/A	(1) Underpass(es)	
N/A	N/A	(2) Overpass(es)	
N/A	N/A	(3) Main Lanes	____
N/A	N/A	(4) Direct Connector(s)	____
N/A	N/A	(5) Ramp Bridge(s)	____
N/A	N/A	(6) Waterway Structure(s)**	____
N/A	N/A	(7) Pedestrian Structure(s)	____
N/A	N/A	(8) Utility Structure(s)	____
N/A	N/A	(9) Railroad Underpass(es)	____
N/A	N/A	(10) Railroad Overpass(es)	____
N/A	N/A	(11) Bridge Classification Culvert(s)**	____
N/A	N/A	(11) Alternate Structural Designs	____
N/A	N/A	(12) Alternate Foundation Design	____
		Total New Structures =	
		b. Existing Structure(s)	____
N/A	N/A	(1) Bridge Widening, Rehabilitation and/or Modification of Existing Structure(s)	____
N/A	N/A	(2) Bridge Replacement	____
N/A	N/A	(3) Raising Bridge Elevation	____
N/A	N/A	(4) Bridge Classification Culvert(s) Widening and/or Modification of Existing Structures(s)	____
N/A	N/A	(5) Railroad Overpass(es)	____
N/A	N/A	(6) Railroad Underpass(es)	____
		Total Existing Structures =	____

NOT APPLICABLE
FOR WORK AUTHORIZATION NO. 1

* Countour plots of bridge gores are required for projects involving ramps within the main bridge in order to ensure project transition. The Template data and vertical alignment necessary to generate the contour plots are also required.

** In the early stages of a project, it sometimes cannot be determined whether a Waterway Bridge Structure or a Bridge Classification Culvert (20' minimum length) will be required. Therefore, the ENGINEER should be aware that either of these two types of bridges may be reclassified later in the project for the other type when more information is known that would dictate a change in structure classification.

Services Provided By: ENGINEER	COUNTY	
N/A	N/A	2. Preparation of Bridge Layouts (each bridge)

a. Bridge Layouts (PLAN)
(1) Horizontal curve information or bearing of centerline.
(2) Including horizontal, vertical, and template information of all roadways or railroads crossed.
(3) Bearing of center line or reference line.
(4) Skew angle(s).
(5) Slope for header banks and approach fills.
(6) Control stations at beginning and ending of bridge (with deck elevation), intersections, etc.
(7) Approach pavement and crown width.
(8) Bridge roadway width and curbs, face of rail, shoulders, or sidewalks.
(9) Approach slab and curb returns.
(10) Limits and type of riprap.
(11) Proposed features under structure.
(12) Location of profile grade line.
(13) North arrow.
(14) Typical bridge roadway section including preliminary proposed beam types and spacings.
(15) Cross slope and super elevation data.
(16) Minimum horizontal clearances when applicable.
(a) Dimensions to features that control clearances. (Calculate and indicate points of minimum vertical and horizontal clearances.
(17) Location of soil core holes (station and offset), shown on layout.
(18) Bent stations and bearings.
(19) Retaining wall locations.
(20) Traffic flow directional arrows.
(21) Railing types shown.
(22) Joint types and seal size, if used.
(23) Beam line numbers consistent with span details.
(24) Critical horizontal clearances (location of railroad tracks, nearby structures and utilities).
(25) Bearings of utilities.

b. Bridge Layouts (ELEVATION)
(1) Type of foundation.
(2) Finished grade elevations at beginning and end of bridge.
(3) Overall length of structure.
(4) Length, type of spans and units.
(5) Type of railing.
(6) Minimum calculated vertical clearance(s).
(7) Existing and proposed ground lines clearly marked.
(8) Grid elevations and stations.
(9) Bent numbers encircled.
(10) Stationing of bridge compatible with grid stations.
(11) Standard title.
(12) Profile grade data.
(13) Type of riprap.
(14) Soil Core Hole information with penetrometer test data shall be shown on the bridge layout at correct station, elevation and scale.
(15) Fixed/expansion condition of all bents.
(16) Column "H" heights.
(17) Number, size and length of foundations.

FOR CONSTRUCTION NO. 1

Services Provided By: ENGINEER	COUNTY	
N/A	N/A	2. Preparation of Bridge Layouts (each bridge) *(continued)*

c. Additional layout requirements for waterway structures and bridge classification culverts.
   (1) Design and 100-year peak discharges.
   (2) Design and 100-year high water (HW) (Recorded HW and date if available)
   (3) Natural and through-bridge velocities for design and 100-year floods.
   (4) Calculated backwater for design and 100-year floods.
   (5) Direction of flow for waterway crossings.
   (6) Contours for water crossing.

N/A	N/A	3. Bridge Classification Culvert, Estimate, Quantities, and Specifications (each bridge)
N/A	N/A	4. Foundation Studies (Show cost estimate with Function Code 110)

The minimum number of soil core holes shall be obtained in accordance with Section 1-301 of the Bridges and Structures Foundation Exploration and Design Manual. Soil core holes shall be obtained at approximately (300 foot) intervals along bridge alignments. Texas cone penetrometer (TCP) tests shall be conducted in all soil types encountered at a maximum of (10 foot) intervals. If single column bents with single drilled shafts are planned, TCP values should be taken at close intervals in the upper (15 feet).

N/A	N/A	5. Bridge Total Quantities and Cost Estimates (each bridge)
N/A	N/A	6. Bridge Special Provisions and Specifications (each bridge)
N/A	N/A	7. Bearing seat elevations for each beam or girder. Top of cap elevations for non-beam type structures.
N/A	N/A	8. General Guidelines for Bridge Design

a. The ENGINEER shall prepare a bridge layout of each bridge structure for Company's review and approval. The bridge layout shall be in conformance with the Bridges and Structures, Operation and Planning Manual and the Bridges and Structures, Detailing Manual. Soil core hole data is not required for submission of the preliminary bridge layout. **No bridge design work is to be performed until the COUNTY has given the engineer written approval of the preliminary bridge layout.**

Several months may be required, after the preliminary bridge layout is submitted, for the district to obtain approval and/or permits from the following:

- TxDOT Design Division, when applicable:
  - Railroad Companies
  - FHWA
  - U.S. Army Corps of Engineers
  - U.S. Coast Guard
  - Bureau of Reclamation
  - Texas Parks and Wildlife
  - Others

Therefore, the bridge layout should be submitted at the earliest possible date and the ENGINEER's design schedule should reflect this.

b. All bridge superstructure and substructure design will be reviewed by the Design Division for purposes of verifying structural integrity and optimization of design.

c. The final bridge layout shall be in conformance with the Bridges and Structures, Operation and Planning Manual and the Bridges and Structures Detailing Manual.

FOR WORK AUTHORIZATION NOT AUTHORIZED

Services
Provided By:
ENGINEER COUNTY

8. General Guidelines for Bridge Design *(continued)*

d. The ENGINEER shall make final design calculations and final detail drawings in accordance with standard requirements of the Texas Department of Transportation. All bridge design shall be in conformance with the Texas Department of Transportation Bridges and Structures Operation and Planning Manual, the current American Association of State Highway and Transportation Officials or American Railway Engineers Association Specifications for railway structures, Standard Specifications for Highway Bridges, including applicable interim specifications, and the Bridges and Structures, Foundation Exploration and Design Manual. The ENGINEER shall furnish design calculations to the Design Division. **The designer and checker shall check all calculations and initial each page.**

e. Structural steel or prestressed concrete shop drawings, form work drawings and false work drawings are not part of the design requirements. However, contract plans shall be in sufficient detail to permit the preparation of complete shop details for fabrication and erection.

f. Elements of the bridge (abutments, bents, slabs, etc.) shall be detailed to a metric scale of 1:20 (1/2 inch equals one foot architect scale) or 1:50 (1/4 inch equals one foot architect scale) to provide clear, legible drawings when the drawings are reduced. Lettering shall be a minimum size of 4 millimeters (5/32 inch) height for hand lettering and 140 for lettering by computer-aided design and drafting (CADD).

g. Standard drawings for beams, diaframs, railings, armor joints, riprap, etc., shall be furnished to the ENGINEER upon request. These standards shall not be redrawn by the ENGINEER nor shall his title block be transferred to the standard drawings. Modifications to the standards, if necessary, shall be clearly identified and designated by "MOD" in the standard title. Specific special drawings prepared by the ENGINEER shall not be identified as standards.

h. Bridge layout sheets shall have the same vertical and horizontal scale. Usually a metric scale of 1:100 (1 inch = 10 feet) or 1:200 (1 inch = 20 feet) is used. Sections of existing and proposed structures usually have a metric scale of 1:50 (1 inch = 5 feet). Soil core holes shall be positioned and labeled on the bridge layout plan view. The core hole data shall be plotted at the correct station, at the same vertical scale, and at the proper elevation unless otherwise approved by the Design Division.

i. APPENDIX C, "GENERAL PLAN CHECKLIST", on pages C-1 thru C-5, more specifically relates various sheet types, details, summaries, standards, etc.

j. For purposes of uniformity statewide, soil core hole data shall be shown on layouts as illustrated in the Bridges and Structures Foundation Exploration and Design Manual.

k. Geometry and structural design errors found after acceptance of bridge plans shall be promptly corrected by the consultant at no cost to the Company.

FOR CONSTRUCTION

CONSTRUCTION PHASE SERVICES
(Function Code 320)

Services Provided By: ENGINEER	COUNTY	
N/A	N/A	**CONSTRUCTION MANAGEMENT SERVICES:**

The ENGINEER will provide engineering, geotechnical testing and support services for and during the construction of the Project or portions of the Project approved by the COUNTY. Specific (basic and special) services for CONSTRUCTION MANAGEMENT AND SUPPORT by the ENGINEER will include the following:

Construction Bidding:

1) The ENGINEER will furnish the COUNTY the necessary copies of approved plans, specifications, notices to bidders, and proposals as prepared under PS&E.

2) The ENGINEER will assist the COUNTY on the tabulation of bids, recommendations to the Owner as to the proper action on all bid proposals received, and the preparation of formal contract documents for the award of each construction contract.

Construction Contract Administration and Inspection:

3) In general, the ENGINEER will provide the management and engineering support/data required for consultation and advisement to the COUNTY and act as the COUNTY's representative as provided in the General Condition of the Construction Contract.

4) The ENGINEER will coordinate and conduct a pre-construction conference (if required).

5) Defects and Deficiencies. The ENGINEER will use his best efforts to protect the COUNTY against defects and deficiencies in the work of the Contractor. The ENGINEER will promptly notify the COUNTY of any such defect or deficiency, and take all steps possible to require the Contractor to correct the defect or deficiency.

6) Contractor Payment. The ENGINEER will review quantities as submitted by the Contractor and will coordinate with the COUNTY for the preparation of the monthly and final estimates for payment to the Contractor.

7) The ENGINEER will provide Project site inspection of the authorized construction contract as follows:

   a) Project Engineer. The ENGINEER will provide visits by the Project Engineer or a competent representative of the ENGINEER to the site of construction for the purpose of monitoring the Contractor's progress and conformance to the construction contract plans and specifications.

   b) Resident Engineer and/or Construction Inspector(s). The ENGINEER will furnish the services of a Resident Engineer and/or Construction Inspector(s) for on the site inspection construction to monitor/inspect the Contractor's daily progress and conformance to TxDOT's PS&E specifications.

Miscellaneous Technical Activities:

8) Shop Drawings. The ENGINEER will review and check all shop or working drawings furnished by the Contractor.

FOR WORK AUTHORIZATIONS ONLY - NOT APPLICABLE

9) Control of Materials & Equipment. The ENGINEER will provide inspection of all materials and equipment furnished/used by the Contractor as follows:

   a) Review and record all laboratory, shop and mill tests of materials and equipment for compliance with the construction contract specifications.

   b) Observe and/or perform Project record testing and/or independent assurance testing as outlined in the construction contract specifications.

10) Change Orders. When applicable the ENGINEER will prepare the engineering data, including plan sheet drawings, specifications, and estimates, for the preparation of construction contract change orders, which may be required due to actual field conditions encountered or new requirements directed by the COUNTY.

11) As Built Drawings. The ENGINEER will develop as built drawings to depict the work as actually constructed. The COUNTY will be furnished five (5) set of prints.

N/A N/A **CONSTRUCTION MATERIAL TESTING:**

The ENGINEER will provide the COUNTY with construction material testing services for the Project. The services to be provided include sampling and testing of all construction materials as required by the project plans and specifications. All sampling frequencies and test procedures will be performed in general accordance with the Texas Department of Transportation TEX methods (or ASTM methods as required) as outlined in the Guide Schedule for Sampling and Testing (11/07). The construction material testing includes, but is not limited to the following:

(a) Sampling and laboratory testing of soils and base materials proposed for use in the construction of Project (Roads/Bridges/Misc.) to determine compliance of these materials with project plans and specifications.
(b) Field density testing of soils and base materials to ensure proper compaction as required by project plans and specifications.
(c) Field sampling and testing of fresh concrete, and laboratory testing of hardened concrete to determine compliance with project plans and specifications.
(d) Field compaction testing of asphalt to ensure proper compaction during lay down operations.
(e) Field inspection, sampling and laboratory testing of asphalt materials to determine their material properties and their compliance with project plans and specifications.
(f) The ENGINEER will be responsible for concrete batching as well as the asphalt testing at the plants to insure delivery of acceptable material to the job site.
(g) Any additional laboratory testing as required/requested by the COUNTY and the project plans and specifications.
(h) Providing accurate and timely reports to the COUNTY and all/other recipients as designated by the COUNTY.
(i) The ENGINEER will verify the concrete and asphalt designs to assure it is in accordance with TxDOT specifications to be developed by the contractor.

FOR REVIEW ONLY NOT AUTHORIZED

FC 600 – ACQUISITION PROVIDER SERVICES
(for EST. 0 PARCELS, 0 EASEMENTS AND 0 RELOCATIONS/DISPLACEMENTS)

(Services to be provided by L&G Engineering)

Services Provided By: ENGINEER	COUNTY	
		1) PROJECT ADMINISTRATION
N/A	N/A	a) Negotiation of Scope of Services for Work Authorization i) Acquisition Provider will visit project site with COUNTY personnel if necessary.
N/A	N/A	b) Project Presence at L&G Consultant Office Headquarters i) Full Project Office (1) No Joint Use of COUNTY or TxDOT facilities (2) Open during normal COUNTY and State work hours (3) Personnel available to answer questions (4) Availability of Project Files (5) At least one office staff member is required to be a current commissioned notary public.
N/A	N/A	c) Overhead Costs i) Administrative costs
N/A	N/A	d) Communication i) Provide monthly progress reports with invoice. ii) Participate in project review meetings as determined by the COUNTY. iii) Prepare initial property owner contact list for use by the COUNTY in distribution of Acquisition Provider introduction letters.
N/A	N/A	e) File Management i) Project and parcel files will be kept in the COUNTY's Office, if necessary. Working files will be kept in the Acquisition Provider's project administrative office, but documents generated or received by the Acquisition Provider will be forwarded to the COUNTY office as they are generated or received by the Acquisition Provider, if necessary. ii) Prepare payment transmittal request utilizing standard payment submissions forms with supporting documentation. iii) Maintain records of all payments including check number, amount, and date paid, etc. iv) Provide copies of all incoming and outgoing correspondence as generated if requested by COUNTY at provider conference. v) Maintain copies of all correspondence and contacts with property owners.
		2) TITLE SERVICES
N/A	N/A	a) Secure preliminary title commitments from the Title Company that will be providing title insurance. Cost of preliminary title commitments will be paid by the Acquisition Provider (if requested by the title company) and will be included in the Acquisition Provider's scope of work for payment and paid as a separate item.
N/A	N/A	b) Secure title commitment updates in accordance with insurance rules and requirements for parcel payment submissions. Cost of title commitment updates will be paid by the Acquisition Provider (if requested by the title company) and will be included in the Acquisition Provider's scope of work and paid as a separate item.
N/A	N/A	c) Secure title insurance for all parcels acquired, insuring acceptable title to COUNTY OF HIDALGO. Written approval by the COUNTY required for any exception.

FOR NOT APPLICABLE
AUTHORIZATION NO. 1

Services Provided By: ENGINEER	COUNTY	
		3) APPRAISAL
N/A	N/A	a) Appraiser may be selected from TxDOT's list of state approved fee appraisers. This list will be available for review at all District offices or at the Right of Way Division Office at 118 E. Riverside Drive, Austin, Texas, upon request.
N/A	N/A	b) Secure written permission (if necessary) from the owner to enter the property from which land is to be acquired. If the Acquisition Provider and/or the fee appraiser, after diligent effort, is unable to secure the necessary letter of permission from the property owner, a waiver must be obtained, in writing from the COUNTY/TxDOT. Maintain permission letters with appraisal reports.
N/A	N/A	c) Prepare (if necessary) pre-appraisal contact with interest owner(s) for each parcel using acceptable COUNTY/TxDOT forms.
N/A	N/A	d) Contact property owners or their designated representative to offer opportunity to accompany the appraiser on the appraiser's inspection of subject property. Maintain record of contact in file.
N/A	N/A	e) Prepare complete appraisal report for each parcel to be acquired utilizing TxDOT Forms No. ROW-A-5 and ROW-A-6 as applicable. These reports shall conform to TxDOT/COUNTY policies and procedures along with the Uniform Standards of Professional Appraisal Practices.
N/A	N/A	f) As necessary, prepare written notification to COUNTY/TxDOT of any environmental concerns associated with the right of way to be acquired which could require environmental remediation.
N/A	N/A	g) All completed appraisals will be administratively reviewed by L&G Engineering ROW Office and recommended for approval by TxDOT.
N/A	N/A	h) As necessary, the appraiser will appear and or testify as an Expert Witness in eminent domain proceedings and be available for pre-hearing /pre-trial meetings as directed by L&G Engineering and/or TxDOT.
N/A	N/A	i) As necessary, the appraiser will coordinate with review appraiser regarding revisions, comments, or additional information that may be required.
N/A	N/A	j) The cost of the appraiser appearing as an expert witness for testimony at special commissioners hearing must be included in the proposed fee schedule for the appraiser. The cost of the appraiser's expert witness testimony for trial is not part of this contract, and shall be paid by the COUNTY.
		4) APPRAISAL REVIEW
N/A	N/A	a) Review Appraiser may be selected from TxDOT's list of state approved fee appraisers. This list is available for viewing at all District offices or the Right of Way Division office at 118 E. Riverside Drive, Austin, Texas upon request.
N/A	N/A	b) Review all appraisal reports for each parcel to determine consistency of values, supporting documentation related to the conclusion reached and compliance with TxDOT/COUNTY policies and procedures and the Uniform Standards of Professional Appraisal Practices.
N/A	N/A	c) Prepare and submit to TxDOT the Form ROW-RTA-10 "Tabulation of Values", for each appraisal.

FOR WORK AUTHORIZATION NOT APPLICABLE

Services Provided By: ENGINEER	COUNTY	
N/A	N/A	d) The cost of the review appraiser appearing as an expert witness for testimony at special commissioners hearing must be included in the proposed fee schedule for the review appraiser. The cost of the appraiser's expert witness testimony for trial is not part of this contract, and shall be paid by the COUNTY.
		5) APPRAISAL UPDATES
N/A	N/A	a) Prepare complete appraisal update for the parcel to be acquired utilizing TxDOT Form No. ROW-A-5, which will be furnished to the provider by TxDOT. These reports shall conform to COUNTY/TxDOT policies and procedures along with the Uniform Standards of Professional Appraisal Practices.
N/A	N/A	b) As necessary, prepare written notification to COUNTY/TxDOT of any environmental concerns associated with the right of way to be acquired which could require environmental remediation. All completed appraisals will be administratively reviewed by L&G Engineering Right of Way Office and recommended for approval by TxDOT.
N/A	N/A	c) As necessary, the appraiser will appear or testify as an Expert Witness in eminent domain proceedings and be available for pre-hearing or pre-trial meetings as directed by the TxDOT/COUNTY.
N/A	N/A	d) The cost of the appraiser appearing as an expert witness for testimony at special commissioners hearing must be included in the proposed fee schedule for the appraiser. The cost of the appraiser's expert witness testimony for trial is not part of this contract, and shall be paid by the COUNTY.
N/A	N/A	e) As necessary, the appraiser will coordinate with the review appraiser regarding corrections and/or additional information that may be required.
		6) NEGOTIATION, TASKS AND FEES
N/A	N/A	a) Analyze appraisal and appraisal review reports and confirm the TxDOT's approved value prior to making offer for each parcel.
N/A	N/A	b) Analyze preliminary title report to determine potential title problems, propose methods to cure title deficiencies.
N/A	N/A	c) Prepare the initial offer letter, instruments of conveyance, and any other documents required or requested by COUNTY /TxDOT on applicable COUNTY /TxDOT forms.
N/A	N/A	d) Mail (Certified Mail Return Receipt Requested) initial offer letter, draft deed, Bill of Rights Brochures and Appraisal Reports to address confirmed with the Appraisal District of Hidalgo County. Maintain follow-up contacts and secure the necessary instruments upon acceptance o f the offer for the closing.
N/A	N/A	e) Provide a copy of the appraisal report for the subject property exclusively to the property owner or authorized representative at mailing of initial offer. Maintain original signed Receipt of Appraisal. (unless property owner refuses to sign it).
N/A	N/A	f) Respond to property owner inquiries verbally and in writing within two business days.
N/A	N/A	g) Prepare a separate negotiator contact report for each parcel per contact.

FOR NON-APPLICABLE AUTHORIZATION

Services Provided By: ENGINEER	COUNTY	
N/A	N/A	h) Maintain parcel files of original documentation related to the purchase of the real property or property interests.
N/A	N/A	i) Advise property owner on the Administrative Settlement process. Transmit to TxDOT any written counter offer from property owners including supporting documentation, and provider recommendation with regard to Administrative Settlements in accordance with COUNTY /TxDOT policy and procedures.
N/A	N/A	j) Prepare final offer letter, documents of conveyance as necessary.
N/A	N/A	k) Appear and provide Expert Witness testimony as an Acquisition Provider when requested.
N/A	N/A	l) Meet at the L&G Engineering ROW office in Mission once per week as agreed-upon with the Right of Way Acquisition Manager/Administrator.
N/A	N/A	m) Provide a monthly progress report per parcel by the 25th of the month with invoice.
N/A	N/A	n) The consultant shall, as part of this proposal, estimates 10% of the parcels identified on Page 37 may end up in condemnation. The consultant shall be available for any meeting/hearings as requested by the COUNTY Attorney.
		7) CLOSING SERVICE FEES
N/A	N/A	a) Coordinate with COUNTY and Title Company to obtain an updated title commitment along with other Forms and certified copy of the instrument of conveyance necessary when requesting the Parcel Payment from the COUNTY.
N/A	N/A	b) Acquisition Provider shall attend closings and provide closing services in conjunction with Title Company.
N/A	N/A	c) Acquisition Provider shall record all original instruments immediately after closing at the respective County Clerk's Office, except for donations which must be forwarded to TxDOT for acceptance by the Texas Transportation Commission.
		8) RELOCATION ASSISTANCE SERVICES (separate Work Authorization will be issued once relocations have been identified, unless noted otherwise).
N/A	N/A	a) The amount of relocations or displacements as identified. L&G will provide relocation advisory services. L&G will compute replacement housing supplements (owner occupant and/or tenants)
N/A	N/A	b) L&G will provide advisory services to business displacements and relocate them effectively.
N/A	N/A	c) TxDOT will review, approve and pay for all relocation costs as per the Agreement.
		9) CONDEMNATION SUPPORT
N/A	N/A	a) Pre-Hearing Support i) Upon receipt of a copy of the final offer, request an updated title commitment for Eminent Domain from the Title Company. ii) Prepare a Bisection Clause for the original set of Legal Descriptions supplied by Surveyor if applicable iii) Use the information from the Title Commitment to join all interested parties on the necessary forms. Spouses of owners must also be joined.

FOR NOT APPLICABLE
NOT AUTHORIZATION

Services Provided By:
ENGINEER COUNTY

iv) Upon completion of the necessary forms, prepare a packet containing 2 copies each of the following documents: Title Commitment, Negotiator's Reports, Appraisal Acknowledgment, Preappraisal Contact Sheet, signed and sealed property description, and plat, Final Offer Letter, any correspondence from the land owner or representatives, along with one copy of the appraisal report. Submit packet to the COUNTY Office for submission to the COUNTY Attorney's office.

v) Upon receipt of concurrence for the Appraisal Witness, request the update of appraisal.

vi) Upon receipt of packet prepared by the COUNTY Attorney which will include Petition for Condemnation, Lis Pendens, Order Appointing Special Commissioners, Order Setting Hearing, Oath of Special Commissioner, and Notice of Hearings, developed by the COUNTY Attorney; the attorney shall file the original petition with the COUNTY Court at Law or other appropriate Court for a cause number to be assigned.

vii) The COUNTY attorney shall file the Lis Pendens including the cause number with the COUNTY Clerk's Office.

viii) Upon assignment of a court, the COUNTY Attorney shall file the Order Appointing Commissioners with the judge retaining a copy of the Order for the files.

ix) Following appointment of Special Commissioners by the judge, the COUNTY shall secure the following documents: Oath of Commissioners signed by the Commissioners, Order Setting Hearing, 2 copies of the Notice of Hearing signed by the Commissioners.

x) The COUNTY shall file all originals with the court and send copies marked "copy" to L & G Engineering.

xi) The COUNTY Attorney shall send a copy of the petition to the Title Company so that the Title Company can make sure the appropriate parties were joined and that no changes in title have occurred.

xii) The COUNTY Attorney shall set the Special Commissioners Hearing after the updated appraisal has been submitted, if there is no change in value. If there is an increase in value, COUNTY will approve the new value and the COUNTY's provider will present a revised offer and a final offer letter and submit a copy of the final offer letter.

xiii) The COUNTY Attorney shall coordinate a pre-hearing conference prior to the hearing (the day before or earlier) to discuss facts of the case with the COUNTY, Appraiser, and Negotiator.

xiv) After the hearing is set, the COUNTY Attorney shall serve Notices of Hearing to the indicated parties at least 11 days prior to the Commissioner's hearing. If it is necessary to join the Federal Government, be advised that they have an additional 60 days to prepare for the Hearing.

xv) Once the notices have been served, the COUNTY Attorney shall file the original notices with the court and send copies stamped "copy" to L&G Engineering ROW Office.

xvi) The COUNTY's Attorney shall send a reminder letter 2-3 weeks in advance to the COUNTY Administration offices, Acquisition Provider, the three special commissioners and court reporter concerning Hearing dates.

N/A N/A

b) Post Hearing Support (by COUNTY Attorney)

i) For the hearing, prepare the necessary forms and Special Commissioners time sheets and submit forms to Hidalgo COUNTY clerk's office.

ii) Obtain the signatures of Special Commissioners on the Award of Commissioners and file with the court for the judge's signatures within 48 hours of the Hearing.

iii) Give timesheets to Judge. The amount paid to the Special Commissioners is determined by the Judge.

iv) Obtain and distribute 3 certified copies of the award as follows: 1 certified copy to the title company with a request for a commitment, 1 certified copy to the COUNTY, 1 certified copy to L&G Engineering with the Commitment to request the warrant in the amount of the Special Commissioners Award.

FOR RIGHT OF WAY ACQUISITION ONLY

v) Send the Commitment and the Award to COUNTY, along with individual special commissioner's billing requesting the payment for their fees.
vi) File COUNTY warrant in the registry of the court. File a Notice of Deposit with the court and send certified copies to each defendant notifying them of the date of the deposit. The Date of Deposit is the Date of Take.
vii) Take photograph of the interest to be acquired (if necessary) on the day of deposit for relocation verification.
viii) Send written notices of the date of deposit to the COUNTY Administration office and all interested parties.
ix) Appear as Expert Witness as requested. Sub-contractors must also appear as Expert Witnesses as requested.
x) All acquisition negotiations file indicating all "due diligence" provided by the Acquisition Provider will be directed to the COUNTY Attorney's office for his further handling in accordance to the Eminent Domain process by the COUNTY.

10) COMPENSABLE UTILITIES

Utility Accommodation is an integral factor in road construction and design. Coordination of utility adjustments is a necessary function within planning, design, acquisition and construction and requires the administration of property rights issues, utility policy, and reimbursement of eligible utility adjustments. It includes the following tasks:

N/A N/A a) Preliminary Design Consultations
i) Conduct Field Investigation and review Certificate of Convenience and Necessity boundaries to identify utility providers within the project area. Communications through letter, phone calls and email to establish a contact list. Coordinate data gathering by surveyors and design team. Introduce project to utility providers.

N/A N/A b) Field Observations and Verifications
i) Provide maps to Utility providers to "redline" and identify conflicts. Coordinate exposures and data collection by surveyor. Provide and confirm utility data on project maps. Order Utility Location Service.

N/A N/A c) Exchange of Information with Utility Providers
i) Provide project schedule.
ii) Request schedules for utility adjustments.
iii) Identify who is responsible for utility process.

N/A N/A d) Confirmation of Property Interests
i) Request Documents.
ii) Coordination of data on maps and citation of property interest documents.
iii) Confirm utilities are within easements.

N/A N/A e) Coordination of Agreements
i) Identify utilities that are compensable.
ii) Determine parties and agreements necessary to complete compensable process.
iii) Coordinate execution and processing of Standard Utility Agreements.

N/A N/A f) Utility Meetings throughout project development
i) Set up and coordinate utility meetings during planning, design, acquisition and construction phases.
ii) Attend and participate in meetings by other parties.

11) PAYMENT SCHEDULE

N/A N/A a) Project Administration
i) Payment and Milestones
(a) Full Project Office
(1) Lump Sum Basis (assume 1 year project presence)

FOR ACQUISITION AUTHORIZATION ONLY NOT PAYABLE

(2) Initial payment of 25% upon establishment of a project office with functional phone and utility services.
(3) Remainder paid out in equal monthly installments of 15% starting the following month.
(4) Monthly billing to COUNTY OF HIDALGO will be required.

b) Title Services
ii) Payment
(a) Per Parcel basis.
iii) Milestones
(a) 100% upon securing initial title commitment.

c) Appraisal Services
i) Payment
(a) Per Parcel Basis
ii) Milestones
(a) 100% paid upon delivery of complete and acceptable appraisal report

d) Appraisal Review
i) Payment
(a) Per Parcel Basis
ii) Milestones
(a) 100% upon submission of ROW-A-10

e) Appraisal Update
i) Payment
(a) Per Parcel Basis
ii) Milestones
(a) 100% upon delivery of complete and acceptable appraisal update.

f) Negotiation, Task, and Fees
i) Payment
(a) Per Parcel Basis
ii) Milestones
(a) 80% upon presentation of initial offer.
(b) 20% upon successful negotiation and all instruments are recorded.

g) Closing Service Fees
i) Payment
(a) Per Parcel Basis
ii) Milestones
(a) 100% upon recordation of instrument of conveyance.

h) Relocation Assistance
i) Payment
(a) Per Relocation
ii) Milestones
(a) 100% upon issuance of 90-day vacancy letter.

i) Compensable Utilities
i) Payment
(a) By percent complete

FOR NOT APPLICABLE AUTHORIZATION NO. 1

ADDITIONAL RESONSIBILITIES

Easements, Letters of Permission, Etc.

The ENGINEER shall be responsible for delineating easements. The ENGINEER will be responsible for securing the necessary legal instruments.

Coordination of Utilities

The ENGINEER shall furnish the COUNTY prints of a project layout which will be distributed by ENGINEER to various utility companies to determine which utilities are in the limits of the project. These shall be preliminary layouts. Upon completion of the preliminary drainage plans and U&D sheets, the ENGINEER shall distribute to the various utility companies and request return. Upon return of these prints, the ENGINEER will schedule a meeting with the various utility companies to discuss potential conflicts and conformance with the State's Utility Accommodation Policy. The ENGINEER is responsible for coordination with the various utility companies for exposing potential conflicts and field ties to uncover utilities in potential conflict areas.

Meetings

Meetings will be held with the FHWA, State Officials, local governments, property owners, utility owners, railroad companies, other consulting firms, etc., as needed or required by the COUNTY. The ENGINEER shall coordinate through the COUNTY for the development of this project with any local entity having jurisdiction or interest in the project (i.e., city, county, etc).

Specifications, Special Provisions, Special Specifications

Use the State's standard specifications or previously approved special provisions and/or special specifications. If a special provision and/or special specification is developed for this project, it shall be in the State's format and incorporate references to approved State test procedures.

Project Manager/Engineer Communication

The ENGINEER shall designate one Texas Registered Professional Engineer to be responsible throughout the project for project management and all communications, including billing, with the COUNTY's Director. Any replacements to the ENGINEER's designated Project Manager/Engineer must be approved by the COUNTY.

Engineering documents produced for the department's engineering projects shall be signed, sealed and dated or CADD sealed in accordance with Administrative Order No. 5-89 and Administrative Circular No. 26-91.

Design Responsibilities

The ENGINEER is responsible for design errors and/or omissions that become evident before, during or after construction of the project. The ENGINEER's responsibility for all questions arising from design errors and/or omissions will be determined by the COUNTY and all decisions shall be final and binding. This would include, but not necessarily be limited to:

1. All design errors and/or omissions resulting in additional design work to correct the errors and/or omissions.
2. Preparation of design documents and detail drawings necessary for a field change due to design errors and/or omissions.
3. Revision of original tracings to the extent required for a field change due to design errors and/or omissions.

The ENGINEER shall promptly make necessary revisions or corrections resulting from the ENGINEER's errors, omissions or negligent acts without additional compensation. Acceptance of the work by the COUNTY will not relieve the ENGINEER of the responsibility for subsequent correction of any such errors or omissions or for clarification of any ambiguities.

Document and Information Exchange

Data, Plan Sheets, General Notes and/or Specifications provided to the COUNTY shall be furnished on 8GB USB flash drives. Each 8 GB flash drive shall have a file titled Table of Contents. The Table of Contents shall indicate the locations of files within the directory structure of the documentation.

General Notes and specifications shall be provided in MS Office 2007 format. Plan sheets shall be provided in Microstation DGN or GEOPAK GPK format. PDF copies of plan sheets shall also be provided.

Two copies of the documentation shall be provided to the COUNTY.

If required, the ENGINEER shall provide to the COUNTY, a CD that contains all the plan sheets for the project. The graphics tape shall be compatible with the COUNTY's computer system.

CD Tape Required (YES or NO): YES

Proposal Time

The time indicated in the proposal and the contract shall include time necessary for reviews, approval, etc.

Office Location

The ENGINEER will perform the services to be provided under this agreement out of their office or offices listed below:

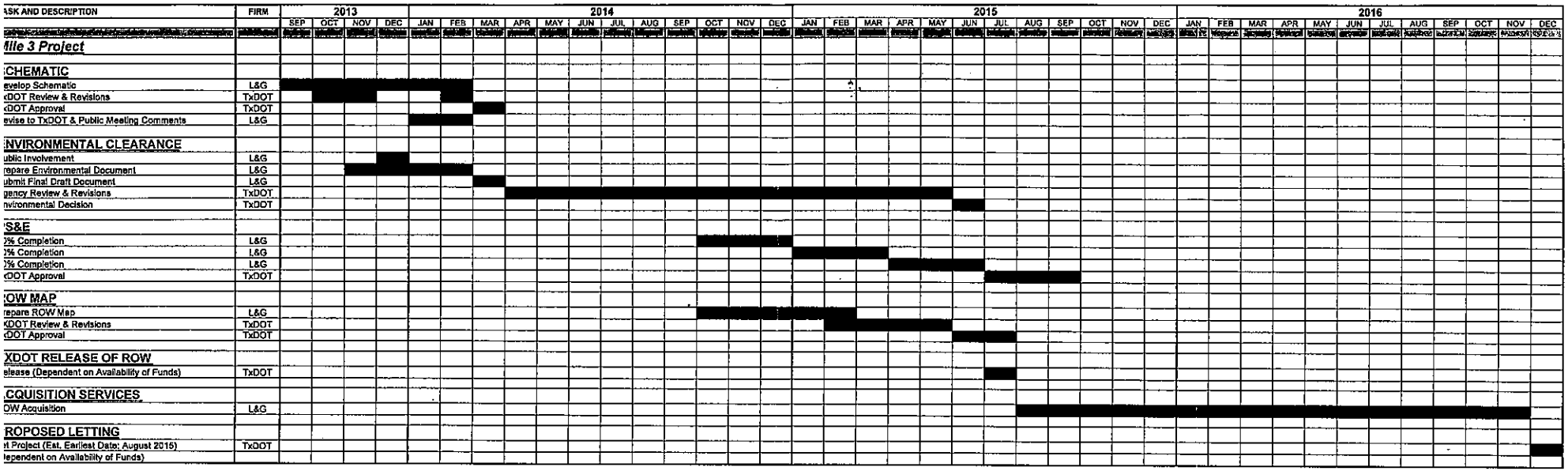
Service	Office Location
PS&E	Mission Office
Schematic	Mission Office
Environmental Document	Mercedes Office

The work effort will be managed out of the Mercedes (City) office located at 2100 West Expressway 83 (Address), Mercedes (City), Texas (State).

Client: Hidalgo County

EXHIBIT "C"

PROJECT WORK SCHEDULE
Mile 3 Project
From FM 492 to FM 2221
Length = 6 miles



L&G FUNCTION
ENVIRONMENTAL ASSESSMENT WORK
TXDOT FUNCTION

9:47 AM/8/11/2013

EXHIBIT D-2
ESTIMATED MAN-HOUR BREAKDOWN

MILE 3 PROJECT
(from FM 2221 TO FM 492)

	MANHOURS															
	Senior Project Manager	Senior Engineer	Senior Environmental Scientist /Specialist	Project Engineer	Design Engineer	ROW Administrator	EIT	Senior Engineer Tech	Environmental Scientist /Specialist	Engineer Tech	CADD Operator / GISAnalyst	Admin / Clerical	Biologist	TOTAL HOURS	Sub-Contract Amounts / ROW COST	TOTAL LINE ITEM COST
CONTRACT RATE	215.40	167.89	136.21	123.54	114.04	107.70	82.36	79.19	79.19	76.02	66.52	57.02	50.68			
RK AUTHORIZATION NO. 1																
SE I - EA, PUBLIC INVOLVEMENT, SCHEMATIC, HYDROLOGIC DESIGN																
Environmental Assessment with TxDOT	90		464						390		359	191	232	1726		$ 160,000.80
Public Involvement for Environmental Assessment and 1 Public Meeting	64		92	91		58					105	75	50	535		$ 57,600.76
Archeological and Historical Research	24		81	33					280		255	42	63	778		$ 65,002.91
Engineering Technical Support at Public Meetings with Layouts, etc.	32		54	40		40					60	50	23	299		$ 31,505.58
Schematic	64	80		160	305		220	201		240	2580	79	15	3924		$ 309,602.57
Hydrological Map	16	24	8	80	40		39		16	80	159	15		477		$ 45,002.90
Office Surveys for Schematic (Preliminary Ownership Identification and Property Rights)	16	24		54	98		63			39	81	24		397		$ 40,004.82
Preliminary Compensable Utility Management Identification on Schematic	28	44		88	96	28	86	88		104	119	30		713		$ 70,002.28
Update Schematic based on comments as provided by TxDOT/FHWA	8	16		32	54		44			54	96	24		328		$ 30,004.20
Engineering Technical Support at Public Hearing with Layouts, etc.	8	8	16	24		20	32		24	31	38	26	27	252		$ 22,502.94
Public Involvement for 1 Public Hearing	16	16	16	16		16	16		16	28	32	34	16	222		$ 21,603.40
Soil-Geotechnical of existing subgrade & pavement	19	34		44			44					20		161		$ 20,000.86
TOTAL	385	246	731	662	591	162	546	289	726	576	3862	610	426	9812	$ -	$ 872,834.02

Subtotal Manhour Fee with Sub-Consultant Costs:	$ 872,834.02
*** Total Project Fee:**	**$ 872,800.00**

*Rounded Figure

THE STATE OF TEXAS §
§
COUNTY OF HIDALGO §

AGREEMENT FOR PROFESSIONAL SERVICES
C-13-305-10-07

THIS AGREEMENT is made, by and between **HIDALGO COUNTY**, acting herein by and through the **Commissioner's Court**, hereinafter called the **"Owner"**, and **L & G Consulting Engineers Inc.** d/b/a **L & G Engineering**, Professional Engineers of **Mercedes, Texas**, hereinafter called the **"Engineer".**

WITNESSETH:

WHEREAS, the **Owner** desires to contract with the **Engineer** to provide professional engineering services for the **"Mile 3 Road (from FM 2221 to FM 492)"** project for **Hidalgo County Precinct No. 3** hereinafter referred to as the **"Project".**

NOW, THEREFORE, the **Owner** and the **Engineer** in consideration of the mutual covenants and agreements herein contained do mutually agree as follows:

ARTICLE 1. Employment of Engineer. The **Owner** agrees to employ the **Engineer** and the **Engineer** agrees to perform professional engineering services in connection with the **Project** as stated in the articles to follow and for having rendered such services, the owner agrees to pay **the Engineer** compensation as stated in the articles to follow.

ARTICLE 2. Character and Extent of Services. This Agreement will provide for the development of the **Project** with the following:

2.1 Scope of Work. The **Owner** will furnish items and provide those services for the development of the **Project** and fulfillment of this Agreement, as identified in **EXHIBIT "A"** *Services to be Provided by the Owner*, attached hereto and made a part of this Agreement as identified in **EXHIBIT "B"-** Services to Provided by the Engineer, attached hereto and made a part of this agreement.

2.2 Classification of Services For this Agreement, the professional services to be provided by the **Engineer**, as more particularly identified in **EXHIBIT "B"**, attached hereto.

2.3 Schedule of Work. The **Engineer** shall prepare a schedule of work (hereinafter referred to as "**Work Schedule**") in accordance with the terms identified in **EXHIBIT "C"** - ***Work Schedule***, attached hereto and made a part of this Agreement.

ARTICLE 3. Period of Service. Upon execution of this Agreement, the **Engineer** shall proceed with the work outlined under Article 2 hereof.

3.1 Termination Date. This Agreement shall terminate on the earlier of **September 10, 2015** or upon completion of projects (hereinafter referred to as the "**Termination Date**"), unless extended by written supplemental agreement, as provided in Article 8 hereof, duly executed by the **Engineer** and the **Owner** prior to the **Termination Date**, or otherwise terminated as provided in Article 3.4 herein and below. The **Owner** assumes no liability or obligation for payment to the **Engineer** for work performed or costs incurred by the **Engineer** prior to the date authorized by the **Owner** for the **Engineer** to begin work, during periods when work is suspended, or subsequent to the **Termination Date.**

3.2 Extension of the Termination Date. The **Engineer** shall notify the **Owner** in writing as soon as possible if it is determined, or reasonably anticipated, that the work under this Agreement cannot be completed before the **Termination Date,** and the **Owner** may , at the **Owner's** sole discretion, extend the **Termination Date** by written supplemental agreement as provided in Article 8 hereof. The **Engineer** shall allow adequate time for review and approval by the **Owner** of the written notice and request by the **Engineer** to extend the **Termination Date.**

3.3 Suspension of Work. Should the **Owner** desire to suspend the work under this Agreement, but not terminate this Agreement, the **Owner** shall provide thirty (30) calendar days verbal notification to the **Engineer**, followed by written confirmation from the **Owner** to the **Engineer** to that effect. The thirty-day notice may be waived as agreed in writing by both the **Owner** and the **Engineer**. The work under this Agreement may be reinstated and resumed in full

force and effect within sixty (60) days of receipt of written notice from the **Owner** to the **Engineer.** The sixty-day notice may be waived as agreed in writing by both the **Owner** and the **Engineer.**

If the **Owner** suspends the work, the **Termination Date** as identified above is not affected, and this Agreement will terminate on the date specified, unless extended by written supplemental agreement, as provided in Article 8 hereof, duly executed by the **Engineer** and the **Owner** prior to the **Termination Date.**

3.4 Termination of Agreement. This Agreement may be terminated before the stated **Termination Date** identified in Article 3.1 herein by any of the following conditions:

(1) **Commitment of Current Revenues.** In the event that, during any term hereof, the **Owner** does not appropriate sufficient funds to meet to the obligations of this Agreement, the **Owner** may terminate this Agreement upon thirty (30) days written notice to the **Engineer.** The **Owner** agrees, however, to use reasonable efforts to secure funds necessary for the continued performance of this Agreement. The parties intend this provision to be a continuing right to terminate this Agreement at the expiration of each budget period of the **Owner** pursuant to the provisions of Tex. Loc. Govt. Code Ann. §271.903 (Vernon Supp. 1995).

(2) By mutual agreement and consent, in writing, of both the **Engineer** and the **Owner.**

(3) By the **Owner,** upon failure of the **Engineer** to fulfill the **Engineer's** obligations set forth herein in a satisfactory manner as determined by the **Owner** and in sole opinion of the **Owner,** after the **Owner** provides written notice to the **Engineer** of such failure and the **Engineer** has not corrected such failure within (30) days of such written notice by the **Owner.**

(4) By the **Engineer,** upon failure of the **Owner** to fulfill the **Owner's** obligations set forth herein, after the **Engineer** provides written notice to the **Owner** of

such failure and the **Owner** has not corrected such failure within thirty (30) days of such written notice by the **Engineer.**

(5) By the **Owner** without cause upon thirty (30) days written notice to the **Engineer.**

(6) By satisfactory completion of all services and obligations described herein.

Should the **Owner** terminate this Agreement as herein provided, no fees other than fees due and payable at the time of termination shall thereafter be paid to the **Engineer** notwithstanding anything herein to the contrary. In determining the value of the work performed by the **Engineer** prior to termination, the **Owner** shall be the sole judge of the value of such work performed. Compensation for work at termination will be based on a percentage of the work completed at that time. Should the **Owner** terminate this Agreement under (5) of the paragraph above, the amount charged during the thirty (30) day notice period shall not exceed the amount charged during the preceding ninety (90) days.

If the termination of this Agreement is due to the failure of the **Engineer** to fulfill the **Engineer's** obligations under this Agreement, the **Owner** may take over the Project and prosecute the work to completion. In such case, the **Engineer** shall be liable to the Owner for any additional cost occasioned by the Owner.

If the **Engineer** defaults in the performance of this Agreement or if the **Owner** terminates this Agreement for fault on the part of the **Engineer**, the **Owner** will give consideration to payment of an amount in settlement to include: the actual costs incurred by the **Engineer** in performing the work to the date of default, the amount of work required which was satisfactorily completed to date of default, the value of the work which is usable to the **Owner**, the cost to the **Owner** of employing another consultant and/or firm to complete the work required and the time required to do so, and other factors which affect the value to the **Owner** of the work performed at the time of default. This Agreement shall not be considered as specifying the exclusive remedy for any

default by the **Engineer,** but all remedies existing at law and in equity may be availed of by either party and shall be cumulative.

The termination of the Agreement and payment of an amount is settlement as prescribed above shall extinguish all rights, duties, and obligations of the **Owner** and the **Engineer** under this Agreement, except the obligations set forth in Articles 11.2, 12, 13, 15, 16, 17, 18.3, 19, 22 and 26 hereto.

ARTICLE 4. Progress and Coordination. The **Engineer** shall, from time to time during the progress of the work, confer with the **Owner**. The **Engineer** shall prepare and present such information as may be pertinent and necessary, or as may be requested by the **Owner**, in order to evaluate features of the **Engineer's** services and work.

At the request of the **Owner** or the **Engineer**, conferences shall be provided at the **Engineer's** office, the office of the **Owner,** or at other locations designated by the **Owner.** These conferences shall also include evaluation of the **Engineer's** services and work when requested by the **Owner.**

All applicable study reports shall be submitted in preliminary form for approval by the **Owner** before the final report is issued. The **Owner's** comments regarding the **Engineer's** preliminary report will be addressed by the **Engineer** in the final report.

If funds by other agencies or entities are to be used for the development of the project under this Agreement, the **Engineer's** services and work will be subject to periodic review and approval by other agencies or entities, including those of the city, county, state and/or federal agencies.

Should it be determined that the progress in the production of the **Engineer's** services and work does not satisfy the requirements of the approved **Work Schedule** as provided by **Exhibit "C",** attached hereto, the **Owner** shall review the approved **Work Schedule** with the **Engineer** to determine the corrective action needed by either the **Owner** or the **Engineer.**

The **Engineer** shall promptly advise the **Owner** in writing of events which have a significant impact upon the progress of the **Engineer's** services and work and the approved **Work Schedule**, including:

(1) problems, delays, adverse conditions which will materially affect the ability to attain contract objectives, prevent the meeting of time schedules and goals, or preclude the timely completion and submittal of **Project** deliverables by the **Engineer** within established time periods; this disclosure will be accompanied by a statement by the **Engineer** of recommended or immediate action taken, or contemplated, and any **Owner** or other agency or entity assistance needed to resolve the situation: and

(2) favorable developments or events which enable meeting the **Work Schedule** goals sooner than anticipated.

ARTICLE 5. Compensation and Fees. For and in consideration of the services to be rendered by the Engineer, the Owner shall compensate the Engineer as follows:

5.1 ***Basic Services***. For and in consideration of the ***Services*** to be rendered by the **Engineer**, as identified in Article 2 and more particularly identified in **EXHIBIT "B"**, attached hereto, the maximum amount payable by the **Owner** to the **Engineer** for ***Services***, subject to adjustment in accordance with Article 6.1 herein, will be provided in each work authorization issued. An outline and breakdown of the **Services Fee** is more particularly identified in **EXHIBIT "D1"**- ***Estimated Project Fee Schedule***, attached hereto and made a part of this Agreement. Payments to the **Engineer** for ***Services*** shall be made by the **Owner**, upon presentation by the **Engineer** of the monthly **Request for Payment**, in accordance with the terms and provisions of Article 6 herein.

5.2 ***Special Services***. Those services that may be required to provided by the **Engineer** as ***Special Services*** are set forth below and more particularly described in **EXHIBIT "B"**,

attached hereto. For and in consideration of these ***Special Services*** rendered as required by the **Engineer,** the **Owner** shall pay the **Engineer** a negotiated lump sum fee (hereafter referred to as "**Special Services Fee**") at the hourly labor rates and non-labor rates (hereinafter referred to as "**Contract Rates**") specified in **EXHIBIT "D" - *Contract Rates***, attached hereto and made a part of this Agreement, and as follows:

1. **RESIDENT OR SITE ENGINEER, INSPECTOR** Actual performance of services of project site engineer, resident engineer and/or inspector, if required by **Owner**.

2. **DOCUMENT COPIES** Actual performance and/or providing of additional copies (over 10) of report; additional copies (over 10) of plans (contract drawings), specifications and estimates (PS&E); additional copies (over 10) of bidding documents: additional copies (over 10) of as-built drawings.

3. **EXTRA TRAVEL** Extra travel required of **Engineer** and authorized by **Owner** to points outside of Hidalgo County.

4. **EXPERT WITNESS** Assistance to the **Owner** as expert witness in any litigation with third parties, arising from the development or construction of the **Project**.

5. **MISCELLANEOUS**. Investigations involving detailed consideration of operation, maintenance and overhead expenses and (unless otherwise agreed) the preparation of rate schedules, earning and expense statements; preparation of feasibility studies; environmental document preparation; appraisals, valuations, and material audits; or inventories required for certification of force account construction performed by the **Owner**; preparation of change orders for extra work done by the **Contractor.**

ARTICLE 6. Method of Payment.

6.1 Request for Payment. Payments to the **Engineer** for services rendered will be made while work is in progress as executed through a lump sum fee assigned to each work authorization (hereinafter referred to as **"Work Authorization"**) in accordance with **Article 7** herein. For each **Work Authorization,** the **Engineer** shall prepare and submit to the **Owner** monthly progress reports in sufficient detail to support the progress of the work and in support of a request for payment (hereinafter referred to as "**Request for Payment**"). The progress report shall indicate the percent completion of the work accomplished by the **Engineer** during the billing period and to the date of the **Request for Payment**. On or before noon of the first Monday of

each month during the performance of the services, the **Engineer** shall submit to the **Owner** for approval a **Request for Payment**. Payment of the lump sum fee for each **Work Authorization** identified in the **Request for Payment** will be in proportion to the percent completion of the work tasks identified in such **Work Authorizations** together with a detailed breakdown of the amount and the sum of all prior payments. The **Owner** shall review each such **Request for Payment** and may make such exceptions as the **Owner** reasonably deems necessary or appropriate under the circumstances then existing. About ten (10) working days after the Commissioners Court of the **Owner** meets approving such payment, the **Owner** shall make payment to the **Engineer** in the amount approved as aforesaid subject to Article 6.4 herein and below.

If the **Project**, or any portion(s) thereof, are deleted or otherwise not constructed, compensation to the **Engineer** by the **Owner** for the **Project** or such portions of the project shall be only the amounts paid the **Engineer** for actual work performed in accordance with the **Work Authorization**(s) approved by the **Owner.**

6.2 Final Payment. After final completion of the work and acceptance thereof by the **Owner,** the **Engineer** shall submit a final request for payment (**"Final Request for Payment"**) which shall set forth all amounts due and remaining unpaid to the **Engineer** and upon approval thereof by the **Owner,** the **Owner** shall pay to the **Engineer** the amount due (**"Final Payment"**) under such **Final Request for Payment** in accordance with the provisions of Article 6.1 hereof. The **Final Payment** shall not be made until the **Engineer** delivers to the **Owner** an affidavit that so far as the **Engineer** has knowledge or information any and all amounts due for materials and services over which the **Engineer** has control have been paid.

6.3 Qualification on Obligations to Pay. Any provision hereof to the contrary notwithstanding, the **Owner** shall not be obligated to make any payment (whether a payment under Article 6.1 hereof or **Final Payment**) to the **Engineer** hereunder if any one or more of the following conditions precedent exist:

(1) The **Engineer** is in default of any of its obligations hereunder or otherwise is in default under this Agreement or under any contract documents related to this Agreement;

(2) Any part of such payment is attributable to the **Engineer's** services which are not performed in accordance with this Agreement; provided, however, such payment shall be made as to the part thereof attributable to the **Engineer's** services which were performed in accordance with this Agreement.

(3) The **Engineer** has failed to make payments promptly to consultants or other third parties used in connection with the **Project** for which the **Owner** has made payment to the **Engineer;**

(4) If the **Owner,** in good faith judgement, determines that the portion of the compensation then remaining unpaid will not be sufficient to complete the **Engineer's** services in accordance with this Agreement, no additional payments will be due the **Engineer** hereunder unless and until the **Engineer,** at its sole cost, performs a sufficient portion of the **Engineer's** services so that such portion of the compensation then remaining unpaid is determined by the **Owner** to be sufficient to so complete the **Engineer's** services.

6.4 No partial payment made hereunder shall be or construed to be final acceptance or approval of that part of the **Engineer's** services to which such partial payment related or relieves the **Engineer** of any of its obligations hereunder with respect thereto.

6.5 The **Engineer** shall promptly pay all bills for labor and material performed and furnished by others in connection with the performance of the **Engineer's** services.

6.6 Waiver. The making of the **Final Payment** shall constitute a waiver of all claims by the **Owner** except those arising from (1) faulty or defective services of the **Engineer** appearing after completion of the **Project.** (2) failure of the **Engineer's** services to comply with the requirements of this Agreement or any contracts or Agreements related to the **Project**, or (3) terms of any special warranties required by this Agreement or provided at law or in equity. The acceptance of **Final Payment** shall constitute a waiver of all claims by the **Engineer** except those previously made in writing and identified by the **Engineer** as unsettled at the time of the **Final Request for Payment**.

ARTICLE 7. Work Authorization. After execution of this Agreement, the **Engineer** shall proceed with the work outlined under Article 2 hereof, only as authorized by the **Owner** through

an agreed **Work Authorization** document in the form identified in **EXHIBIT "E"- *Work Authorization Form***, attached hereto and made a part of this Agreement. The **Engineer** will identify, as approved by the **Owner,** the needed services for the **Project,** as required through the course of the development to the **Project.** The **Owner** shall authorize the **Engineer** to perform one or more of the agreed tasks identified in **EXHIBIT "B",** attached hereto, in the form of individual work authorizations. Upon authorization from the **Owner,** the **Engineer** will prepare a **Work Authorization** document, which will include a description of the work to be performed, including a description of the tasks and milestones, a work schedule, and an estimated cost proposal agreed upon by the **Owner** and the **Engineer**. The estimated cost proposal shall set forth in detail the computation of the cost of each work task, at the hourly rates established and identified in **EXHIBIT "D-2",** attached hereto. The **Work Authorizations** shall not waive the **Owner's** and the **Engineer's** responsibilities and obligations established in this Agreement.

The estimated cost proposal for each **Work Authorization**, developed by the **Engineer** and approved by the **Owner** shall be used by the **Owner** to appropriate a purchase order for the **Work Authorization.** Each executed **Work Authorization** shall become a part of this **Agreement**. Upon satisfactory completion of the **Work Authorization**, the **Engineer** shall submit the **Project's** deliverables as specified in the executed **Work Authorization** to the **Owner** for review and acceptance.

Work included in a **Work Authorization** shall not begin until the **Owner** and the **Engineer** have signed the **Work Authorization**. All work must be completed on or before the completion date specified in the **Work Authorization**, unless extended by written agreement by the **Engineer** and the **Owner.** The **Engineer** shall promptly notify the **Owner** of any event that will affect completion of the **Work Authorization.** All **Work Authorizations** must be executed and completed by both the **Engineer** and the **Owner** within the period established for this Agreement as specified in Article 3 hereof.

The final acceptance by the **Owner** of each **Work Authorization** for the **Project** shall serve as evidence of completion, on the part of the **Engineer,** of all services under this Agreement insofar as they pertain to that portion of work on the **Project** identified in the applicable work authorization.

ARTICLE 8. Supplemental Agreements. The terms of this Agreement may be amended by supplemental agreement if the Owner determines that (1) there is a need to extend the **Termination Date** identified in Article 3.1 hereof, (2) there has been a significant change in the scope, complexity or character of the services to be performed by the **Engineer,** and/or (3) for any other reason agreeable to the **Owner** and the Engineer. All supplemental agreements will be developed in the form identified in **EXHIBIT "F" - *Supplemental Agreement Form***, attached hereto and made a part of this Agreement, and incorporated herein by reference as **"Supplemental Agreement".**

If determined appropriate by the **Owner,** additional compensation to the **Engineer** for (1), (2) and/or (3) above shall be paid as a negotiated lump sum fee at the **Contract Rates** specified in **EXHIBIT "D"**, attached hereto. The negotiated lump sum fee shall be incorporated into the **Supplemental Agreement.**

Any **Supplemental Agreement** must be executed by both the **Engineer** and the **Owner** prior to the **Termination Date** specified in Article 3 hereof.

It is distinctly understood and agreed that no claim by the **Engineer** for additional work, as identified in Article 9 hereof, or changes or revisions in work, as identified in Article 10 hereof, shall be made by the **Engineer** until full execution of the **Supplemental Agreement** and authorization to proceed is granted by the **Owner**. The **Owner** reserves the right to withhold payment to the **Engineer** pending verification of satisfactory work performed by the **Engineer.**

ARTICLE 9. Additional Work. If the **Engineer** is of the opinion that any work it has been directed to perform is beyond the scope of this Agreement and constitutes extra work, the **Engineer** shall promptly notify the **Owner** in writing, In the event the **Owner** finds that such work

does constitute extra work, the **Owner** shall so advise the **Engineer** and a written supplemental agreement will be executed between the **Owner** and the **Engineer** as provided herein. The **Engineer** shall not perform any proposed additional work or incur any additional cost prior to the execution by both the **Engineer** and the **Owner** of a supplemental agreement. Additional compensation from the **Owner** to the **Engineer** shall be paid as a negotiated lump sum fee at the Contract Rates specified in **EXHIBIT "D"** attached hereto. The negotiated lump sum fee shall be incorporated into the supplemental agreement as specified in Article 8 hereof. The **Owner** shall not be liable or under any obligation to compensate the **Engineer** for work performed or costs incurred by the **Engineer** relating to additional work not directly associated with the performance of the work authorized in this Agreement or as amended through supplemental agreement.

ARTICLE 10. Changes or Revisions in Work. If the **Owner** finds it necessary to request changes to the work, and the changes are within the applications of sound engineering principles, the **Engineer** shall make such revisions if requested and directed by the **Owner.**

10.1 Preliminary Work. The **Engineer** will make, without expense to the **Owner,** such revisions of any preliminary reports or drawings as may be required to meet the needs of the **Owner** and the applications of sound engineering principles.

10.2 Previously Approved or Satisfactorily Completed Work. If the **Owner** funds it necessary to request the **Engineer** to make changes to work previously approved by the **Owner** or work satisfactorily completed for which the **Owner** approves or, after a definite plan has been approved by the **Owner**, if a decision is subsequently made by the **Owner**, which for proper execution involves extra services and expenses for changes in or additions to the drawings specifications or other documents, this will be considered as additional work, and compensation from the **Owner** to the Engineer will be in accordance with Article 9 hereof.

10.3 Project Delays. If the **Engineer** is required to perform additional work due to delays by the imposition of causes not within the **Engineer's** control, such as by the re-advertisement of bids or by the delinquency or insolvency of contractors, such work associated

with these delays shall be considered additional work, and the **Engineer** shall be compensated by the **Owner** for such extra services and expense in accordance with Article 9 hereof.

10.4 Reduction of Project Cost. Notwithstanding any provision herein to the contrary, in the event it is necessary for the **Owner** to require changes in the final plan of the **Project** to enable it to the reduce the construction cost of the **Project** to an amount within the sum estimated by the **Engineer,** the **Engineer** will be required to make such revisions or changes. These changes will only be considered additional work by the **Engineer,** if the **Engineer** previously provided these same changes as options to the **Owner** at the stage of preliminary work or prior to the approval of the final plan for the Project, and the option or options were not selected or approved by the **Owner** to be incorporated into the final plan of the Project. Payment for this additional work will then be made to the **Engineer** in accordance with Article 9 hereof. If **the Engineer** failed to provide these changes as an option or options to the **Owner** at the stage of preliminary work or prior to the approval of the final plan of the **Project**, these changes will not be considered additional work and no additional compensation will be made to the **Engineer.**

ARTICLE 11. Ownership and **Release of Documents**.

11.1 Ownership of Documents. Original drawings and specifications are the property of the **Engineer** however the **Project** is the property of the **Owner**, and the **Engineer** may not use the drawings and specifications thereof for any purpose not relating to the **Project** with the **Owner's** consent. The **Owner** shall be furnished with such reproductions of drawings and specifications as the **Owner** may reasonably require. Upon completion of the work or any earlier termination of this Agreement under Article 3.4 hereof, the **Engineer** will revise drawings to reflect changes made during construction and will promptly furnish the **Owner** with one complete set of reproducible record prints. Prints shall be furnished by the **Engineer,** as an additional service, at any other time requested by **Owner.** All such reproductions shall be the property of the **Owner** who may use them without the **Engineer's** permission for any proper purpose relating to the **Project,** including but not limited to additions to or completion of the **Project.** Any additions or

revisions by the **Owner** to a drawing signed, sealed, and dated by a registered professional engineer, shall be made in accordance with the Texas Engineering practice Act and the Rules of the State Board of Registration for Professional Engineers.

All documents furnished to the **Engineer** by the **Owner** shall be delivered to the **Owner** upon completion or termination of this Agreement. The **Engineer,** at the **Engineer's** own expense, may retain copies of such documents or any other data under this Agreement.

11.2 Release of Documents or Information. Release of information to the public or others regarding the **Project** will be accordance with the Texas Public Information Act.

ARTICLE 12 Discounts, Rebates, Refunds. In connection with procurement services rendered by the **Engineer,** if procurement services are required of the **Engineer** hereunder, all discounts, rebates and refunds shall accrue to the **Owner**. For some purchases, the **Engineer** may deem that payment within the discount period is not safe; and/or inspection, guarantees, or other considerations may dictate delay. In such cases, the **Engineer** shall promptly notify the **Owner** so that a course of action may be mutually agreed upon by the **Owner** and the **Engineer.**

ARTICLE 13. Records, Accounting, Inspection. The **Engineer** shall keep full and detailed records and accounts in a manner approved by the **Owner.** The **Engineer** shall afford the **Owner's** authorized personnel and independent auditors, if any, full access to the work performed by the **Engineer** regarding the **Project** and to all of the **Engineer's** books, records, correspondence, instructions, drawings, receipts, vouchers and other documents relating to such work under this Agreement and the **Engineer** shall preserve all such records for three (3) years after final payment. The **Engineer** shall deliver to the **Owner** upon completion of such work, a statement of the cost of such work detailed according to the accounting procedure and requirements of the **Owner.**

ARTICLE 14. Subcontracting and Assignment. The **Engineer** shall not assign, subcontract or transfer the **Engineer's** interest in this Agreement without the prior written consent of the **Owner.** The **Engineer** shall bind every subconsultant by written subcontract to observe all

the terms of this Agreement to the extent that they may be applicable to each subconsultant. No subcontract relieves the **Engineer** of any responsibilities under this Agreement.

The **Engineer,** and the **Owner,** do hereby bind themselves, their successors, executors, administrators and assigns to each other party of this Agreement and to the successors, executors, administrators, and assigns of such other party in respect to all covenants of this contract.

ARTICLE 15. Patents. The **Engineer** shall indemnify and save the **Owner** harmless from all liability for alleged or actual infringement of any patent resulting from the use of apparatus or equipment furnished or designed by the **Engineer** or from the use of any process designed by the **Engineer** or effected by said apparatus or equipment, and the **Engineer** shall indemnify and save the **Owner** harmless from and against all costs, legal fees, expenses and liabilities incurred in or about any claim of or action for such infringement: provided, however, that the **Owner** shall promptly transmit to the **Engineer** all papers served on the **Owner** in any suit involving such claim of infringement, and provided further, that the **Owner** permits the **Engineer** to have entire charge and control of the defense of any such suit. If because of actual infringement the use of such apparatus, equipment, or process is enjoined, the **Engineer** shall refund the purchase price thereof in proportion to the length of service uncompleted, the life of such apparatus or equipment being assumed as five years. The **Engineer** hereby grants to the **Owner** a non-exclusive, royalty-free license under patents now or hereafter owned by the **Engineer** covering any machines, apparatus, processes, articles, or products included in the **Engineer's** work hereunder.

ARTICLE 16. Confidential Information, Inventions and Other Restrictions.

16.1 Confidential Information. The **Engineer** shall not use in any way, commercial or otherwise, except to the extent required by the proper performance of this Agreement; and shall hold in confidence and not disclose to any person, for any reason or at any time, any information relating to the secret processes, products, compositions, machinery, apparatus or trade secrets of the **Owner**, or any other confidential information given to the **Engineer** by any of the **Owner's**

commissioners, elected officials, employees, or representatives or acquired by the **Engineer** during the term of or as a result of this Agreement. Any information not generally available to the public shall be considered secret and confidential for the foregoing purposes; provided, however, that any technical information which was lawfully in the **Engineer's** possession prior to such disclosure to the **Engineer** by the **Owner** or which is or shall lawfully be published or become part of general knowledge from sources other than the **Engineer** or which otherwise shall lawfully become available to the **Engineer** from a source other than the **Owner**, shall not be subject to these provisions. All the foregoing stipulations shall apply to such information and work hereunder as well as to any information and ideas originated or developed by the **Engineer** in performing such work. Such information may, of course, be disclosed to the proper officials or employees of the **Owner** if necessary to perform the work hereunder. The **Engineer** shall, however, inform each of its employees who receive such information of these restrictions and the **Engineer** shall take all reasonable precautions and exert all reasonable efforts to assure conformance with such restrictions by all of its officers, employees, and agents, obtaining from them if necessary, agreements satisfactory to the **Owner,** effectuating the purposes of this Article.

16.2 Inventions. The **Engineer** shall communicate to the **Owner** at once, and require the **Engineer's** employees assigned to this **Project** to communicate to the **Owner** all inventions and improvements which any of the **Engineer's** employees, either alone or in conjunction with any of the **Owner's** employees may conceive, make or discover during the course of or as a result of work on this **Project** under this or any ensuing agreement with the **Owner** that relates to the processes, products, compositions, machinery or plants of the **Owner**, or relating in any way to any of the operations in which the **Owner** may be obligated to pay to the **Engineer** as compensation for services rendered by the **Engineer** under contract with the **Owner**. The **Engineer** shall require its employees to execute patent applications and assignments thereof to the **Owner** or its nominees, and powers of attorney relating thereto for any country the **Owner** may designate, and shall take all other actions as the **Owner** may request to maintain and protect such

inventions and improvements. The **Owner** shall pay all costs or charges incurred in protecting such inventions and improvements if the **Owner** desires to protect them. Before assigning any of the **Engineer's** employees to work under any contract with the **Owner** concerning this **Project,** the **Engineer** shall obtain from them agreements satisfactory to **Owner** complying in all respects with the terms and provisions of this Article.

16.3 The rights and obligations set forth in Article 16 shall survive the performance of this Agreement, or any termination, discharge or cancellation thereof

ARTICLE 17. Engineer's Seal, Responsibility and Warranties.

17.1 Engineer's Seal. The **Engineer** shall assign a responsible engineer or engineers licensed to practice in the State of Texas, who shall sign, seal and date all appropriate engineering submissions to the **Owner** in accordance with the Texas Engineering Practice Act and the Rules of the Stare Board of Registration for Professional Engineers.

17.2 Engineer's Responsibility. The **Engineer** shall be responsible for the accuracy of the work for the **Project** and shall promptly make necessary revisions or corrections resulting from errors, omissions, or negligent acts by the **Engineer**. No additional compensation will be made to the **Engineer** for any necessary revisions or corrections resulting from errors, omissions, or negligent acts by the **Engineer.**

The **Engineer's** responsibility for all questions arising from design errors and/or omissions will be determined by the **Owner** or a designee appointed by the **Owner**. The **Engineer** will not be relieved of the responsibility for subsequent correction of any such errors or omissions or for clarification of any ambiguities until after the construction phase of the **Project** has been completed.

17.3 Warranties.

(a) The **Engineer** warrants that engineering design work performed by the **Engineer** hereunder shall be in accordance with sound engineering design practices and in conformance with applicable code and standards established for such work.

(b) Notwithstanding anything to the contrary contained in this Agreement, the **Owner** and the **Engineer** agree and acknowledge that the **Owner** is entering into this Agreement in reliance on the **Engineer's** experience and abilities with respect to performing the **Engineer's** services hereunder. The **Engineer** accepts the relationship of trust and confidence established between it and the **Owner** by this Agreement. The **Engineer** covenants with the **Owner** to use the **Engineer's** best efforts, skill, judgement and abilities to design the **Project** and to further the interests of the **Owner** in accordance with the **Owner's** requirements and procedures, in accordance with all professional standards, and in compliance with all applicable national, federal, state, county and municipal laws, regulations, codes, ordinances, orders and with those of any other body having jurisdiction. If the development of plans, specifications and estimates (hereinafter referred to as **"PS&E"**) are identified in this Agreement under Article 2 hereof or **EXHIBIT "B"**, attached hereto, as part of the services to be provided by the **Engineer** for the **Project**, prior to the commencement of construction, the **Engineer** shall certify in writing to the **Owner** that the **PS&E** for the **Project**, and the improvements when built in accordance therewith, conform to all applicable governmental regulations, statutes and ordinances then in effect. The **Engineer** represents covenants and agrees that there are no obligations, commitments or impediments of any kind that will limit or prevent performance of the **Engineer's** services.

(c) The **Engineer** represents, covenants and agrees that all of **Engineer's** services to be furnished by the **Engineer** under or pursuant to this Agreement form the inception of the Agreement until the **Project** has been fully completed, shall be of the standard and quality which prevail among engineers of similar experience, knowledge, skill and ability engaged in engineering practice throughout Texas under the same or similar circumstances involving the design and construction of **Project.**

(d) The **Engineer** represents, covenants and agrees that the **Engineer's** special talent, training and experience cause the **Engineer** to be the prime professional on the **Project;** that because of such talent and training, the **Engineer** envisions the construction of the **Project** in

its entirely and possesses the special skills which enable the **Engineer** to recognize dangerous conditions that a reasonable, prudent engineer having such special skills could anticipate may arise from the proper use of the **Project** after acceptance by **Owner;** and that the **Engineer** recognizes that any commissioners, elected officials, employees and agents of the **Owner,** plus residents and owners of property within the area affected by the **Project** are within a class of foreseeable persons who will be relying on the project being designed in a professional and safe manner.

(e) If the development of **PS&E** is identified in this Agreement under Article 2 hereof or **EXHIBIT "B"**, attached hereto, as part of the services to be provided by the **Engineer** for the **Project,** the **Engineer** represents, covenants and agrees that the **PS&E** of the **Project** will be accurate and free from any material errors. The **Engineer** additionally represents, covenants and agrees to the following: that the design of the **Project** will conform to its foreseeable use as a **Project** with all the amenities as set forth in any **PS&E** developed by the **Engineer** for the **Project;** that the result of such **PS&E**, if built in accordance therewith, will be suitable for purposes for which the **Project** is designed; and the **Project** will be inspected in a workmanlike, professional manner and will be suitable for the **Project's** intended purpose. The **Engineer's** responsibilities as set forth herein shall at no time be in any way diminished by reason of any approval by the **Owner** of any **PS&E** developed by the **Engineer** for the **Project**, nor shall the **Engineer** be released from any liability by reason of such approval by the **Owner**, it being understood that the **Owner** at all times is ultimately relying upon the **Engineer's** skill and knowledge in preparing such **PS&E.**

(f) In connection with the **Engineer's** performance of procurement services hereunder, if any, the **Engineer** use its best efforts to obtain from all vendors of equipment and materials, fullest possible warranties against defective materials and workmanship for the benefit of the **Owner.**

ARTICLE 18. Engineer's Resources. The **Engineer** shall furnish and maintain, at the **Engineer's** own expense, office space for the performance of all services, skilled and sufficient

personnel, as well as adequate and sufficient equipment to perform the services as required under this Agreement.

18.1 Project Manager. The **Engineer** shall provide a manager **(Project Manager)** for the **Project** that is a registered professional engineer in the State of Texas. The **Project** manager shall have such knowledge and experience as will enable that **Project Manager** during the course of the **Project** without prior consent of the **Owner.** If, due to situations beyond the control of the **Engineer,** the **Engineer** must change the **Project Manager** prior to the completion and acceptance of the **Project,** the **Engineer** will submit a request to change the **Project Manager** to the **Owner** for approval.

18.2 Employees of the Engineer. All employees of the **Engineer** shall have such knowledge and experience as will enable them to perform the duties assigned to them and required for the services under this Agreement. Any employee of the **Engineer** who, in the opinion of the **Owner**, is incompetent, or whose conduct becomes detrimental to the work required under this Agreement, shall immediately be removed form association with the **Project** when so instructed by the **Owner.** The **Engineer** certifies that the **Engineer** presently has employed sufficient and qualified personnel, and will maintain sufficient and qualified personnel for performance of the services under this Agreement.

18.3 Documents/Information Exchange The purpose of this Article is to define the required automated resources, format for graphics files, and information exchange pertaining to the **Project.** Taking into consideration that the **Owner** has a significant investment is the development of the **Project,** there is a need for the **Engineer** to provide consistency in document development for information exchange. Consistency in document development for information exchange and production will help facilitate an economically efficient **Project**. Therefore, the **Engineer** shall provide the **Owner** with documents and information in accordance with the special requirement outlined in **EXHIBIT "B"** attached hereto.

ARTICLE 19. Indemnification. To the fullest extent permitted by applicable law, the **Engineer** and its agents, partners, subcontractors, and consultants (collectively **"Indemnitors"**) shall and do agree to indemnify, and hold harmless the **Owner**, the **Owner's** respective directors, elected officials, employees and agents (collectively **"Indemnitees"**) from and against all claims, damages, losses, liens, causes of action, suits, judgments and expenses, including attorney fees, of any nature, kind or description (collectively "Liabilities") of any person or entity whomsoever arising out of, caused by or resulting from the negligent performance of the **Engineer's** services through activities of the **Engineer**, its agents, partners, subcontractors and/or consultants performed under this Agreement, and which are caused by or result from error, omission, or negligent act of the **Engineer** or of any person employed or contracted by the **Engineer** provided that any such **Liabilities** (1) are attributable to bodily injury, personal injury, sickness, disease or death of any person, or to the injury to or destruction of tangible personal property including the loss of use and consequential damages resulting there from and (2) are caused in whole or in part by any negligent act or omission of the **Engineer,** anyone directly or indirectly employed by the **Engineer** or anyone for whose acts the **Engineer** may be legally liable. The **Engineer** shall also save harmless the **Owner** from any and all expense, including but not limited to, attorney fees which may be incurred by the **Owner** in litigation or otherwise resisting said claim or liabilities which may be imposed on the **Owner** as a result of such activities by the **Engineer,** its agents partners, subcontractors and/or consultants. In this connection, it is agreed and understood that the **Engineer** shall not be responsible for any portion of the liability proximately caused by the **Owner's** negligence.

ARTICLE 20. Joint and Several Liability. In the event more than one of the **Indemnitors** are connected with an accident or occurrence covered by the indemnification in Article 19 hereof, then each of such **Indemnitors** shall be jointly and severally responsible to the **Indemnitees** for indemnification and the ultimate responsibility among such **Indemnitors** for the loss and expense of any such indemnification shall be settled by separate proceedings and without jeopardy to any

Indemnitee. The provisions of this Article shall not be construed to eliminate or reduce any other indemnification or right which the **Owner** or any of the **Indemnitees** has by law.

ARTICLE 21. Insurance. The **Engineer** shall obtain and maintain insurance in the limits of liability for each of the types of insurance coverage identified as follows.

(1) **Workers' Compensation**, endorsed with a waiver of subrogation in favor of the **Owner** in accordance with the statutory obligations imposed by Worker's Compensation or Occupational Disease laws under the Texas Workers' Compensation Law (**"Statutory Texas"**)

(2) **Commercial General Liability**, endorsed with the **Owner** as an additional insured and endorsed with a waiver of subrogation in favor of the **Owner** ***all to the extent of the liabilities assumed by the Engineer under Article 19 and Article 20*** herein, in limits of liability not less than one million dollars (**$1,000,000**) combined single limit each occurrence and in the aggregate for bodily injury and property damage.

(3) **Texas Business Automobile Policy**, endorsed with the **Owner** as an additional insured and endorsed with a waiver of subrogation in favor of the **Owner** *all to the extent of the liabilities assumed by the Engineer under Article 19 and Article 20 herein*, in limits of liability not less than two hundred fifty thousand dollars (**$250,000**) each person for bodily injury, five hundred thousand dollars (**$500,000**) each occurrence for bodily injury, and one hundred thousand dollars (**$100,000**) each occurrence for property damage.

(4) **Professional Liability** in limits of **$1,000,000** each claim and aggregate.

The **Engineer** covenants and agrees to maintain an insurance policy in the minimum limits of liability for each of the types of insurance coverage identified above. The **Engineer** shall furnish the **Owner** with a certificate of insurance (***Hidalgo County*** **Certificate of Insurance**) showing the

said policy to be in full force and effect during the period of service, identified in Article 3 hereto, for this Agreement. The completed Hidalgo County Certificate of Insurance shall be attached hereto and identified as **EXHIBIT "G"**- *Hidalgo County Certificate of Insurance.* The **Engineer** will be considered in breach of contract should the **Engineer** fail to maintain an insurance policy in the minimum limits of liability and requirements identified above while performing services for and under this Agreement, and will be subject to default and termination of the Agreement as outlined in Article 3.4 hereto. Additionally, the **Engineer** covenants and agrees to use its best efforts to maintain an insurance policy in the minimum limits of liability and requirements identified above until one year following the date of the acceptance of the **Project** by **Owner.**

ARTICLE 22. Compliance with Laws. The **Engineer** shall comply with all applicable Federal, State and local laws, statutes, codes, ordinances, rules and regulations and the orders and decrees of any court, or administrative bodies or tribunals in any manner affecting the performance of this Agreement including, without limitation, worker's compensation laws, minimum and maximum salary and wage statutes and regulations and licensing laws and regulations. When required the **Engineer** shall furnish the **Owner** with satisfactory proof of its compliance therewith.

ARTICLE 23. Non-collusion. The **Engineer** warrants that the **Engineer** has not employed or retained any company or persons, other than a bona fide employee working solely for the **Engineer**, to solicit or secure this Agreement, and that the **Engineer** has not paid or agreed to pay any company, engineer or any other person or entity any fee, commission, percentage, brokerage fee, gifts or any other consideration contingent upon or resulting from the award or execution of this Agreement. For breach or violation of this warranty the **Owner** shall have the right to annul this Agreement without liability or, in the **Owner's** discretion, to deduct from the *Services Fee*, or otherwise recover, the full amount of each fee, commission, percentage, brokerage fee, gift or contingent fee.

ARTICLE 24. Gratuities. The **Owner** mandates that employees of the **Owner** shall not accept any benefits, gifts or favors from any person doing business or who reasonably speaking

may do business with the **Owner** under this Agreement; the only exceptions allowed are ordinary business meals. Any person doing business with or who may reasonably seeking to do business with the **Owner** under this Agreement may not make any offer of benefits, gifts or favors to **Owner** employees, except as mentioned herein above. Failure on the part of the **Engineer** to adhere to this provision may result in the termination of this Agreement.

ARTICLE 25. Payment of Franchise Tax. The **Engineer** hereby certifies that the **Engineer** is not delinquent in Texas franchise tax payments, or that the **Engineer** is exempt from, or not subject to, such as tax. A false statement concerning corporation's franchise tax status shall constitute grounds for termination of the Agreement at the sole option of the **Owner.**

ARTICLE 26. Disputes. The **Engineer** shall be responsible for the settlement of all contractual and administrative issues arising out of any procurement made by the **Engineer** in support of the services under this Agreement.

ARTICLE 27. Severability. In the event any one or more of the provisions contained in this Agreement shall for any reason, be held to be invalid, illegal, or unenforceable in any respect such invalidity, illegality or unenforceability shall not affect any other provision thereof and this Agreement shall be construed as if such invalid, illegal or unenforceable provision had never been contained herein .

ARTICLE 28. Notices. All notices to either party by the other required under this Agreement shall be personally delivered or mailed to such party at the following respective addresses:

OWNER	**ENGINEER**
Hidalgo County **1615 S. Closner, Suite J** **Edinburg, Texas 78539**	**L & G Consulting Engineers, Inc.** **2100 West Expwy 83** **Mercedes, Texas 78570**

The Address may be changed by either party by written notice and notices mailed shall be effective upon mailing.

ARTICLE 29. Miscellaneous Provisions.

(a) This Agreement constitutes the entire Agreement between the **Engineer** and the **Owner** relating to the work herein described and supersedes any prior understanding or written or oral contracts between the parties respecting the subject matter defined herein. These are no previous or contemporary representations or warranties of the **Owner** or the **Engineer** not set forth herein.

(b) Except as specifically provided herein no modification, waiver, termination, rescission, discharge or cancellation of this Agreement or of any terms thereof shall be binding on the **Owner** unless in writing and executed by an officer or employee of the **Owner** specifically authorized to do so.

(c) No waiver of any provision of or a default under this Agreement shall affect the right of the **Owner** thereafter to enforce said provision or to exercise any right or remedy in the event of any other default whether or not similar.

(d) No modification, waiver, termination, discharge or cancellation of this Agreement or of any terms thereof shall impair the **Owner's** right with respect to any liabilities whether or not liquidated of the **Engineer** to the **Owner** theretofore accrued.

(e) All rights and remedies of the **Owner** specified in this Agreement are in addition to the Owner's other rights and remedies.

(f) The **Engineer** shall remain an independent contractor and shall have no power nor shall the **Engineer** represent that the **Engineer** has any power to bind the **Owner** or to assume or to create any obligation express or implied on behalf of the **Owner** except as specifically authorized in advance by the **Owner.**

(g) The Agreement shall be construed under the laws of the State of Texas and is performable in Hidalgo County, Texas.

(h) This Agreement may only be amended by a written document executed by the Owner and the **Engineer** as provided by Article 8 herein.

ARTICLE 30. Signatory Warranty The undersigned signatory or signatories for the **Engineer** hereby represent and warrant that the signatory is an officer of the organization for which he or she has executed this Agreement and that he or she has full and complete authority to enter into this Agreement on behalf of the **Engineer.** The above-stated representations and warranties are made for the purpose of inducing the **Owner** to enter into this Agreement.

WITNESS WHEREOF, the **Engineer** and the **Owner** have caused this **Agreement for Professional Services** to be effective as of the _____ day of _____, 2013.

ENGINEER:
L & G CONSULTING ENGINEERS INC.
d/b/a **L & G ENGINEERING**

BY: _____
Jacinto Garza, P.E./President

OWNER:
HIDALGO COUNTY

BY:_____
Ramon Garcia, County Judge

ATTEST:

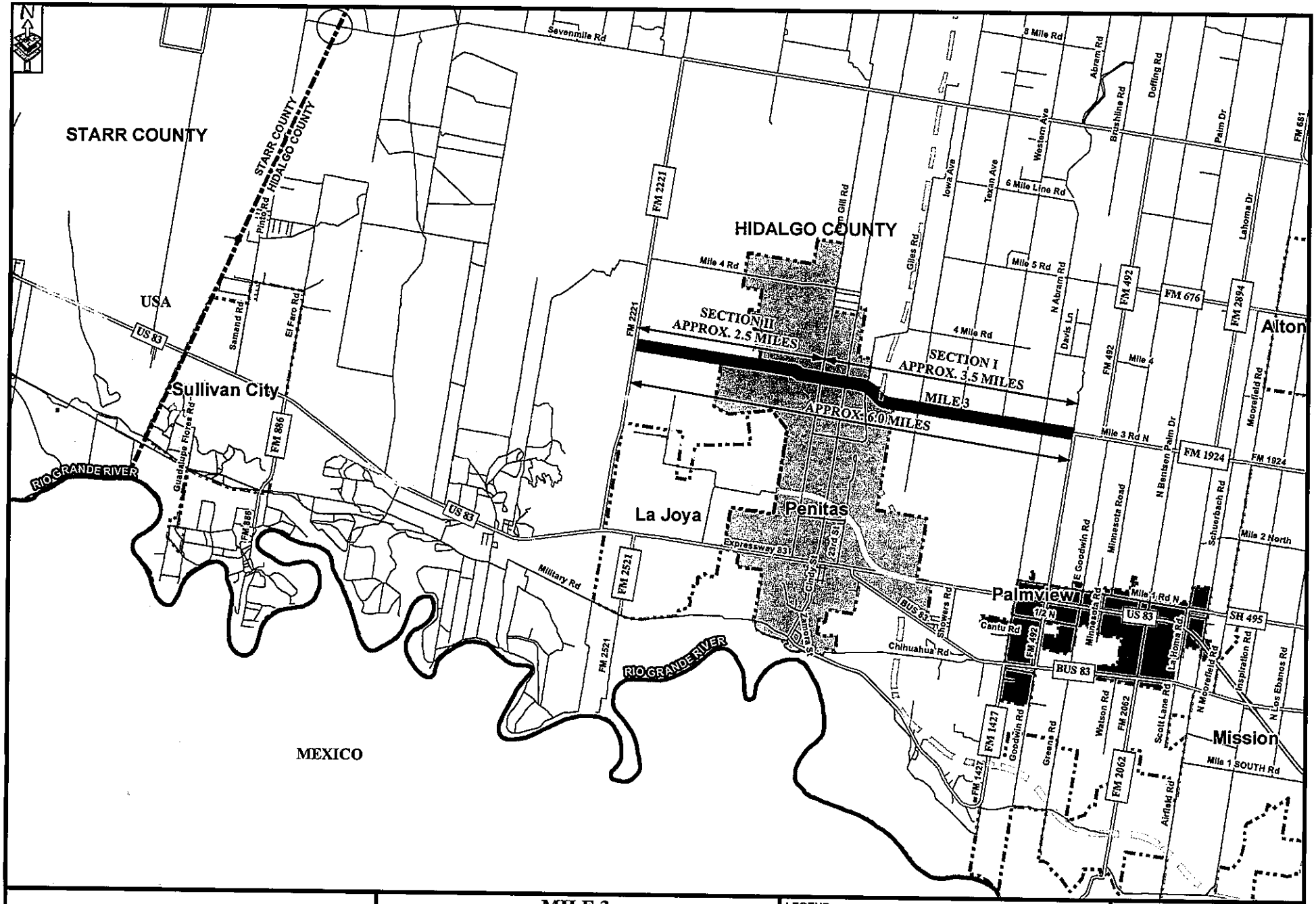
_____
Arturo Guajardo, Jr., County Clerk

Approved on Commissioners' Court:

APPROVED AS TO FORM:
Atlas & Hall, L.L.P.

By:_____

EXHIBITS: LOCATION MAP
EXHIBIT A -Scope of Services to be provided by the Owner
EXHIBIT B -Scope of Services to be provided by the Engineer
EXHIBIT C -Work Schedule
EXHIBIT D -Contract Rates
EXHIBIT D1 - Estimated Project Fee Schedule
EXHIBIT D2 - Estimated Man-hour Breakdown (to be provided in Work Authorization)
EXHIBIT E -"Sample" Work Authorization Form
EXHIBIT F -"Sample" Supplemental Agreement Form
EXHIBIT G -Certificate of Insurance (*Hidalgo County)*



L&G Engineering
Transportation Consulting Engineers

MILE 3
PROJECT LOCATION MAP
SECTION I - FROM TOM GILL TO FM 492
SECTION II - FROM FM 2221 TO TOM GILL

LEGEND
- MILE 3 PROJECT LIMITS
  PROJECT APPROX. LENGTH: 6.0 MILES
- PROPOSED HCRMA PROJECTS
- CITY LIMITS
- COUNTY LIMITS
- LA JOYA BYPASS
- STREETS
- STATE ROADS

1 inch = 8,000 feet

G:\GIS\PS\POTENTIAL CORRIDORS\POTENTIAL CORRIDORS LOCATION MA 11X17 4-24-12.mxd

EXHIBIT "A"

SERVICES TO BE PROVIDED BY THE OWNER

1. The COUNTY will issue work authorization to initiate all required services and designate the authorized representative of the coordination of each work authorization.

2. The COUNTY will provide copies of all subdivision plats of record and/or in the subdivision process.

3. The COUNTY will provide the ENGINEER with on-going guidance, timely reviews, and decisions necessary to complete services required by the work authorization in order to permit the ENGINEER to maintain an agreed upon project schedule.

4. The COUNTY will process all acceptable requests for payment in a timely manner.

GENERAL INSTRUCTIONS

ENGINEER shall mean L&G Engineering.

STATE shall mean Texas Department of Transportation.

COUNTY shall mean the Hidalgo County.

PROJECT DESCRIPTION

The services designated herein as "Services provided by the ENGINEER" shall include the performance of all engineering services for the following described facility:

COUNTY/CITY: HIDALGO COUNTY

CONTROL:

PROJECT/DESCRIPTION: Environmental Assessment, Public Involvement, Schematic and Hydrologic Design for the MILE 3 PROJECT

LENGTH: 6 MILES

HIGHWAY: MILE 3 PROJECT

LIMITS: from FM 2221 TO FM 492

EXISTING FACILITY

PROJECT CLASSIFICATION

(Place an "X" in only one Project Classification)

- ___ Surface Treatment
- ___ Overlay
- ___ Rehabilitation Existing Road (Scarify & Reshape)
- ___ Convert Non-Freeway to Freeway
- ___ Widen Freeway
- _X_ Widen Non-Freeway
- ___ New Location Toll Freeway
- _X_ New Location Non-Freeway
- ___ Interchange (New or Reconstruct)
- ___ Bridge Widening or Rehabilitation
- ___ Bridge Replacement
- ___ Upgrade to Standards - Freeway
- ___ Upgrade to Standards - Non-Freeway
- ___ Miscellaneous Studies (Use Function Code 110 for All Tasks)

NOTES

ROUTE AND DESIGN STUDIES

(Function Code 110)

Services Provided By: ENGINEER	COUNTY	
____	____	1. Route Location Studies
____	____	2. Level of Service Analysis
____	____	3. Traffic Evaluations and Projections
____	____	4. Develop Roadway Design Criteria
____	____	5. Preliminary Cost Estimates
____	____	6. Design Schematic (See Section 7, page 7-1 for schematic layout requirements)
____	____	7. Preliminary Right-of-Way Requirements
____	____	8. Design Concept Conference
		9. Soil Core Hole Drilling
____	____	a. Pavement (See Section 7, pages 7-3 thru 7-4 for requirements)
____	____	b. Retaining Walls (See Section 10, page 10-1 thru 10-2 for requirements)
____	____	c. Miscellaneous Structures (See Section 10, page 10-4 for requirements)
____	____	d. Bridges (See Section 11, page 11-3 for requirements)

NOTES
SOCIAL, ECONOMIC AND ENVIRONMENTAL STUDIES AND PUBLIC INVOLVEMENT
(Function Code 120)

Services Provided By:
ENGINEER COUNTY

1. Environmental Reports
All Environmental Reports shall be in accordance with 43 Texas Administrative Code (TAC) 2.40-2.51, Code of Federal Regulations, Title 23, Part 771 and Highway Design Operations and Procedures Manual, Part II-B.
   a. Environmental Assessments
   ____ ____ (1) An Environmental Assessment shall be prepared, anticipating a Categorical Exclusion.
   ____ ____ (2) An Environmental Assessment shall be prepared, anticipating a Finding of No Significant Impact.
   ____ ____ (3) An Environmental Assessment shall be prepared, anticipating the need for a Draft Environmental Impact Statement.
   b. Environmental Impact Statement
   ____ ____ (1) A Draft Environmental Impact Statement shall be prepared. After appropriate interagency and public reviews within time limits prescribed by the Code of Federal Regulations, Title 23, Part 771 and 43 Texas Administrative Code 2.40-2.51, a Final Environmental Impact Statement shall be prepared.
   ____ ____ (2) A Section 4(f) Statement (Department of Transportation Act) shall be provided by the ENGINEER. The format and content of the statement is found in FHWA Technical Advisory T6640.8A.

2. Public Involvement
All public involvement procedures shall be in accordance with 43 Texas Administrative Code (TAC) 2.40-2.51, Code of Federal Regulations Title 23, Part 771 and Highway Design Operations and Procedures Manual, Part II-B.
   ____ ____ a. A public involvement meeting(s)/hearing(s) shall be scheduled, coordinated and conducted.*
   ____ ____ b. Technical assistance, meeting(s)/hearing(s) preparation, maintenance of contracts lists, minutes of meeting(s), exhibit preparation, and other tasks outlined by the COUNTY, shall be provided.

3. Cultural Resources
Formal consultation with the State Historic Preservation Office (SHPO) and the Texas Historical Commission (THC) will be conducted by the COUNTY.
   ____ ____ a. Historic Structure Studies
   A records search and reconnaissance survey shall be performed, and documentation prepared regarding identification efforts, National Register eligibility and potential impacts to historic properties in accordance with the state's historic structure requirements.
   b. Archeological Studies
   ____ ____ (1) Files searches shall be conducted to determine if known archeological sites are present; to identify whether these sites have been listed or determined eligible for the National Register of Historic Places or have been designated State Archeological Landmarks; and to identify the need (if any) to perform additional archeological investigations.
   ____ ____ (2) Archeological reconnaissance will be performed under a Texas Antiquities Permit (13 TAC 26) signed for the Sponsor by a professional archeologist with the STATE.
   ____ ____ (3) Archeological survey shall be performed under a Texas Antiquities Permit (13 TAC 26) signed for the Sponsor by a professional archeologist with the STATE.

Services Provided By:
ENGINEER COUNTY

4. Noise and Air Quality Analyses

___ ___ a. Noise Analysis
A noise analysis shall be prepared, including predicted noise levels and the consideration and evaluation of noise mitigation, in accordance with the STATE'S Noise Guidelines. The noise analysis or a summary of the noise analysis shall be included in the environmental document for the project.

___ ___ b. Air Quality Analysis
An air quality analysis shall be prepared in accordance with the STATE'S Air Quality Guidelines. The air quality analysis or a summary of the air quality shall be included in the environmental document for the project.

___ ___ 5. Ecological Investigations
A wetland survey and if necessary, a wetland delineation shall be conducted and a "wetland finding" shall be provided if necessary. As part of the environmental phase of the project, the consultant should notify the District if it is believed that a Section 404 or Section 9 permit is required, and provide the technical data to the District for application to the U.S. Army Corps of Engineers and/or the U.S. Coast Guard.

A determination should be made if there are potential federally listed endangered or threatened species that could be impacted. The District will be notified as soon as possible that Section 7 or 10 consultations may be required. Supporting data will be furnished to the district when consultation with the U.S. Fish and Wildlife Service is undertaken.

___ ___ 6. Hazardous Materials
The consultant shall perform an Environmental Site Assessment for hazardous materials impact in accordance with the American Society for Testing and Materials (ASTM) 1528.93 (Transaction Screen Process).

___ ___ 7. General Guidelines for Preparation of Environmental Documents

a. The Biological Impact Evaluation Report will be prepared and submitted electronically to TxDOT.
b. All cultural resource reports (i.e. Archeological and Historical Project Coordination Requests (PCRs), background and reconnaissance surveys) will be submitted electronically to TxDOT.
c. The draft administratively complete document will be submitted to TxDOT electronically through their FTP site.
d. The administratively complete document will be prepared in accordance with the content and format of FHWA Technical Advisory T6640.8A and the TxDOT Administrative Code 43 TAC §2.44.
e. The administratively complete document will be submitted to TxDOT electronically through their FTP site.
f. Upon completion and approval of the administratively and technically complete document, the Engineer will provide one (1) hard copy to the Client, one (1) hardcopy to the district, and (3) hardcopies to TxDOT ENV.
g. Exhibits in the environmental document shall be color copies and text shall be black and white.

RIGHT-OF-WAY DATA
(Function Code 130)

Services Provided By:
SURVEYOR COUNTY

NOTE: No work involving right-of-way (ROW) data is to be performed until the COUNTY has given the ENGINEER written approval of the final location of the proposed ROW lines as approved by TxDOT.

A. RIGHT-OF-WAY MAPPING:

1. PURPOSE:
The purpose of right-of-way mapping is to prepare documents suitable for the acquisition of real property interests and the probable issuance of a title policy.

2. DEFINITIONS:
For purposes of this Contract, the following definitions shall apply:

2.1. Abstract Map – A drawing to scale prepared from record documents depicting proposed right-of-way lines, existing right-of-way lines, easement lines, and private property lines with relevant grantee names, recording data, and recording dates.

2.2. Closure/Area Calculation Sheet – A computer generated print-out of the area and the perimeter bearings, distances, curve data, and coordinates of an individual parcel of land to be acquired.

2.3. Access Denial Line – A line which indicates specific location where access to the roadway is denied.

2.4. Property Descriptions – A written metes and bounds description delineating the area and the boundary and describing the location of an individual parcel of land unique to all other parcels of land.

2.5. Owner – The most current title holder of record as determined by a study of the Real Property Records.

2.6. Parcel Plat – An 8 ½ inch by 11 inch drawing to scale depicting all the information shown on the right-of-way map regarding an individual parcel of land to be acquired.

2.7. Parent Tract – A unit or contiguous units of land under one ownership, comprising a single marketable tract of land consistent with the principle of highest and best use. A parent tract may be described by a single instrument or several instruments. A single parent tract cannot be severed by a public right-of-way, easement, or separate ownership which destroys unity of use.

2.8. Parent Tract Inset – A small line drawing, to an appropriate scale, of the parent tract perimeter placed upon the right-of-way map in the proximity of the respective parcel. Parent tract insets are used in cases where the parent tract cannot be shown to the same scale as the right-of-way map. Since parent tract insets are used to identify the limits and location of parent tracts, they should include public right-of-ways, utility easements and fee strips, and identifiable water courses which bound the parent tract.

2.9. Point of Beginning (P.O.B.) – A corner of the parcel of land to be acquired, located on the proposed right-of-way line and being the beginning terminus of the first course of the property description.

2.10. Point of Commencing (P.O.C.) – A monumented property corner which can be identified in the Real Property Records and is located outside the proposed right-of-way corridor. For title purposes, the point of commencing should be a monumented back corner of the parent tract. In the event a monumented back corner of the parent tract cannot be recovered, the nearest identifiable monumented property corner located outside the proposed right-of-way corridor may be used.

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2.11. Preliminary Right-of-Way Layout/Abstract Map – A drawing to scale depicting proposed right-of-way lines, existing right-of-way lines, proposed pavement, access denial lines, the proposed centerline alignment, private property lines, easement lines, visible improvements, visible utilities, the station and offset from the centerline alignment to each Point of Curvature (PC), Point of Tangency (PT), and angle point in the proposed right-of-way lines and to each PC, PT, and angle point in the existing right-of-way lines in areas of no proposed acquisition. *(Reference Sample on CD Attached)*

2.12. Right-of-Way Maps/Property Description/Parcel Plats – A series of 22 inch by 34 inch and 11 inch by 17 inch drawings to scale depicting the results of relevant elements of records research, field work, analysis, computation, and map making required to determine title, delineate areas and boundaries, locate and describe utilities and improvements to the extent necessary to appraise the value and negotiate the acquisition of individual parcels of private land for a proposed right-of-way project. *(Reference Sample on CD Attached)*

3. WORK TO BE PERFORMED:

3.1. Preliminary Right-of-Way Layout/Abstract Map:

An abstract map shall be prepared sufficient to determine the following:

3.1.1. Any and all interests of public record held in the land to be acquired.

3.1.2 The total record holdings of an owner contiguous to land to be acquired from that owner.

3.1.3. Any and all interests in land to be acquired held in common (shopping mall parking lots, subdivision reserves, etc.)

3.1.4. Any and all improvements proposed by other agencies which may have a bearing on project development.

3.1.5. All called monuments, bearings, and distances as per recorded information.

3.2. Right-of-Way Map:

The SURVEYOR shall field locate property corners, existing right-of-way markers, improvements, visible utilities, verify and update the planimetric file, if provided, and as directed by the ENGINEER.

A right-of-way map shall be prepared for each proposed right-of-way project. A right-of-way map shall include a title sheet, an index sheet, a survey control index sheet, a horizontal and vertical control data sheet, and sufficient plan sheets to cover the proposed project, or as directed by the ENGINEER. The STATE has developed standard title sheets, index sheets, and plan sheets, copies of which the SURVEYOR shall request and secure for all purposes of this Contract. Plan sheets shall include, but need not be limited to, the following items of information.

By mutual agreement between the Texas Board of Professional Land Surveying and the TxDOT, right-of-way maps need not be signed and sealed by a Registered Professional Land Surveyor.

3.2.1. Proposed right-of-way lines shall be delineated with appropriate bearings, distances, and curve data. Curve data shall include the radius, delta angle, arc length, and long chord bearing and distance.

3.2.2. Existing right-of-way lines shall be delineated with appropriate bearings, distances, and curve data to the extent necessary to describe the individual parcels of land to be acquired. Curve data shall include the radius, delta angle, arc length, and long chord bearing and distance.

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3.2.3. The proposed project baseline alignment shall be delineated with appropriate bearings, distances, and curve data. Curve data shall include the station of the curve Point of Intersection (PI), radius, delta angle, arc length, tangent length, long chord bearing and distance, and the N and E coordinates of the curve PI. All alignment PCs, PTs, and even 500 foot stations shall be labeled as to station.

3.2.4. Proposed paving lines combined with relevant existing paving lines shall be shown to the extent necessary to compile a complete picture of proposed traffic movements. Proposed paving on the final mylars submitted to the ENGINEER shall be shaded with a dot pattern or highlighted by some other means acceptable to the ENGINEER.

3.2.5. Access denial lines shall be shown sufficiently to indicate areas where access is to be denied and where access is to be permitted if required by the ENGINEER.

3.2.6. Private property lines shall be delineated with appropriate bearings, distances, and curve data to the extent necessary to describe the individual parcels of land to be acquired. Curve data shall include the radius, delta angle, arc length, and long chord bearing and distance.

3.2.7. Porción lines, subdivision lines and survey lines shall be shown and identified by name and Porción number.

3.2.8. County lines and city limit lines shall be located and identified by name.

3.2.9. A north arrow shall be shown on each sheet, and, if possible, located in the upper right corner of the sheet.

3.2.10. Monumentation set or found shall be shown and described as to material and size.

3.2.11. A station and offset shall be shown for each PC, PT, and angle point in the proposed right-of-way lines. Stations and offsets shall be with respect to the proposed centerline alignment.

3.2.12. Intersecting and adjoining public right-of-ways shall be shown and identified by name, right-of-way width, and recording data.

3.2.13. Railroads shall be shown and identified by name, right-of-way width, and recording data.

3.2.14. Utility corridors shall be identified as to easement or fee and recording information shall be identified.

3.2.15. Easements and fee strips shall be shown and identified by width, owner, distance of easement to a property corner of the parent track, and recording data.

3.2.16. Building lines or set-back lines shall be shown and identified.

3.2.17. Visible improvements located within the proposed right-of-way corridor or within 50 feet of a proposed right-of-way line shall be shown and identified.

3.2.18. Structures shall be identified as commercial or residential, by number of stories, and as to type (brick, wood frame, etc.).

3.2.19. Structures which are severed by a proposed right-of-way line shall be dimensioned to the extent necessary to completely delineate the severed parts.

3.2.20. Parking areas, billboards, and other on-premise signs which are severed by a proposed right-of-way line shall be dimensioned to the extent necessary to delineate that portion of the parking area, billboard, or sign which is located within the proposed right-of-way corridor.

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3.2.21. In cases where structures are located outside the proposed right-of-way corridor and within 25 feet of a proposed right-of-way line, the shortest distance between the structure and the proposed right-of-way line shall be shown and field verified.

3.2.22. Visible utilities located within the proposed right-of-way corridor or within 50 feet of a proposed right-of-way line shall be shown and identified.

3.2.23. The location of underground utilities and fuel storage tanks situated within the proposed right-of-way corridor or within 50 feet of a proposed right-of-way line shall be determined and shown as required by the ENGINEER. The visible location of stand pipes, vents and filler caps in conjunction with available design and as-built drawings may be used to determine a most probable location and size in the event an actual location is indeterminable.

3.2.24. Points of commencing and points of beginning shall be shown and labeled. Points of beginning shall be shown with their respective N and E surface coordinates. As an exception, a point of commencing will not be required in the case of a total taking without a remainder.

3.2.25. Each parcel of land to be acquired shall be identified by a parcel number which shall appear in the ownership tabulation and on the right-of-way map in the proximity of the respective parcel. If the SURVEYOR is unfamiliar with the criteria used by the STATE to assign parcel numbers, he shall seek the assistance of the ENGINEER at the time the abstract map is complete. THE SURVEYOR SHALL SEEK ASSISTANCE FROM THE ENGINEER IN DEVELOPING AN OWNERSHIP TABULATION TABLE.

3.2.26. An ownership tabulation shall be shown which shall include the parcel number, existing area of the parent tract, lot(s) and block(s) constituting the parent tract when applicable, owner's name, type of conveyance, film code, county clerk's file number, taking area, and remaining area of the parent tract located left and/or right of the centerline alignment. Types of conveyance, film code and file numbers refer to conveyances into the STATE and will be added to the right-of-way map by the STATE at a later date. Several blank lines shall be provided in the tabulation block to facilitate future map additions.

3.2.27. A parent tract inset shall be shown for each parent tract which cannot be shown to scale on the right-of-way map. The use of broken scale lines should be avoided. When parent tract insets are used, the point of commencing with the appropriate bearing and distance to the point of beginning may be shown on the parent tract inset.

3.2.28. A note shall be included on the title sheet and each map sheet stating the source of bearings, coordinates, and datum used.

3.2.29. Appropriate notes shall be included on the title sheet and each map sheet stating the following:

a. Month(s) and year abstracting upon which the map is based.
b. Month(s) and year field surveys were conducted upon which the map is based.
c. Month and year the map was completed by the SURVEYOR.

3.2.30. The right-of-way CSJ number, if available, shall be shown on each right-of-way map sheet.

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3.3. Exhibits:

An Exhibit shall be prepared for each parcel or tract consisting of a property description and a parcel plat.

3.3.1. Property Description:

A property description shall be prepared for each parcel of land to be acquired. Standard formats for property descriptions, copies of which the SURVEYOR shall request to the ENGINEER and secure for all purposes of this Contract. Property descriptions shall include, but need not be limited to, the following items of information.

All property descriptions shall be signed and sealed by a Registered Professional Land Surveyor. The property description shall begin with a general description which shall include as a minimum:

a. State, County, and Survey within which the proposed parcel of land to be acquired is located.
b. A reference to unrecorded and recorded subdivisions by name, lot, block, and recording data to the extent applicable.
c. A reference by name to the grantor and grantee, date and recording data of the most current instrument(s) of conveyance describing the parent tract. Use execution dates in deed references as opposed to recording or filing dates. In any case, the property description shall make clear which date is being used.
   The property description shall continue with a metes and bounds description which shall include as a minimum:
d. A point of commencing.
e. A point of beginning with the appropriate N and E surface coordinates.
f. A series of courses, identified by number and proceeding in a clockwise direction, describing the perimeter of the parcel of land to be acquired, and delineated with appropriate bearings, distances, and curve data.
   Curve data shall include the radius, delta angle, arc length, and long chord bearing and distance. Each course shall be identified either as a proposed right-of-way line, and existing right-of-way line, or a property line of the parent tract. Each property line of the parent tract shall be described with an appropriate adjoiner call.
g. A description of all monumentation set or found shall include, as a minimum, size and material.
h. A reference to the source of bearings, coordinates, and datum used.

3.3.2. Parcel Plat:

A parcel plat shall be prepared for each parcel of land to be acquired. The STATE has developed standard formats for parcel plats, copies of which the SURVEYOR shall request from the ENGINEER and secure for all purposes in this Contract. Parcel plats shall include each and every item of information shown on the right-of-way map which concerns the individual parcel. All parcel plats shall be signed and sealed by a Registered Professional Land Surveyor.

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4. DELIVERABLES:

In preparing right-of-way maps, the following is an outline of the work to be submitted (records should be delivered in a binder):

4.1. An Abstract Map of the current record title holders included in the Preliminary Map showing the proposed schematic and existing right-of-way as per General Specifications.

4.2. A Right-of-Way map for the project limits under cover of Title Sheet, Index Sheet, Control Data Sheet, and Exhibits of the property descriptions and parcel plats as per General Specifications.

4.3. Appropriate monuments on the proposed right-of-way lines at intersecting property lines, and at all PCs, PTs, angle points, intersecting right-of-way lines of side streets, and at 1,000 foot stations.

4.4. Appropriate monuments on the existing right-of-way lines in areas of no acquisition at all PCs, PTs, angle points, and 1,000 foot stations, and as directed by the ENGINEER.

4.5. A SURVEYOR's report, outlining the approach, reasons or basis for the existing right-of-way determination, and conclusions made.

4.6. Records used to establish ownership.

4.7. ROW and parcel filed notes signed and sealed by a RPLS.

4.8. Computation sheets of survey closures, ground surveys, etc. used to develop plats and meets and bound information.

4.9. Items indicated under the Automation Requirements Section 6.

4.10 Completed (Attached) Checklist with submittal of ROW Map etc.

5. GENERAL REQUIREMENTS:

For purposes of this Contract, the following general requirements shall apply:

5.1. Copies of instruments of record submitted to the ENGINEER shall be indexed by parcel number.

5.2. Coordinates appearing on right-of-way maps, on parcel plats, and in property descriptions shall be surface coordinates based on the Texas State Plane Coordinate System. The combined adjustment factors (sea level factor x scale factor) which have been developed by the STATE for its use are as follows:

5.2.1. In (List Applicable Counties): Counties (---------- Zone), grid coordinates are multiplied by a combined adjustment factor of 1.xxxxxx to obtain surface coordinates. For work in Counties other than those listed, the ENGINEER will provide the combine adjustment factor.

5.3. Line and curve tables may be used when necessary.

5.4. The number of centerline alignment stations to be shown on a single plan sheet shall be restricted to the extent necessary to allow approximately 4 inches between match lines and sheet borders for future details and notes.

5.5. A minimum 4 inch by 4 inch space shall be reserved at the bottom right corner of each map sheet for future revision notes.

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6. AUTOMATION REQUIREMENTS:

In addition to standard hard copy plots and mylar copies, the following will be required electronically:

6.1. Right-of-way maps and parcel plats shall be prepared using a *Micro Station* software graphics system capable of producing graphics files that can be plotted and viewed without further modification or conversion using the State's *Micro Station V8* graphics system.

6.2. It is the intent of the ENGINEER to secure graphics files which have elements of equal integrity, singularity, and attributes as elements prepared using the State's *Micro Station V8* graphics system.

6.3. For purposes of clarity, consistency, and ease of utilization, the SURVEYOR shall request and secure standards relevant to right-of-way mapping to the extent necessary to ensure that the needs of the ENGINEER are met. This includes, but may not be limited to, TxDOT seed file and corresponding units.def file, TxDOT font resource file, TxDOT GEOPAK SMD file, TxDOT DGNLIB, associated cell libraries and custom line styles, and other files as deemed appropriate for the project.

6.4. Graphics files furnished to the ENGINEER by the SURVEYOR shall be submitted on a Compact Disk CD, DVD or USB, in a format compatible with the STATE's computer system. The SURVEYOR shall confer with the ENGINEER regarding acceptable media and formats before making submissions. The SURVEYOR shall request and secure a Consultant File Index form provided by the ENGINEER, to be completed by the SURVEYOR, and to be submitted to the ENGINEER along with the graphics files.

6.5. Property descriptions shall be prepared using a computer word processing system capable of producing data files readable using *Microsoft Office Word Version 2007* word processing software.

6.6. Data files furnished to the ENGINEER by the SURVEYOR shall be submitted in ACSII format on a CD, DVD or USB.

6.7. Provide to the ENGINEER electronic copies of all instruments of record acquired pursuant to a work authorization.

7. GENERAL SPECIFICATIONS:

For purposes of this Contract, the following general specifications for right-of-way mapping shall apply:

7.1. Completed right-of-way maps shall be submitted to the ENGINEER on single or double matte mylar, 22 inches by 34 inches in size with a 21 inch by 32 inch printed border positioned ½ inch from the top, bottom, and right edge of the sheet. Two copies on 11 inch by 17 inch paper will also be supplied to the ENGINEER.

7.2. Parcel plats shall be submitted to the ENGINEER on 8 ½ inch by 11 inch bond paper with respective borders of 7 ½ inches by 10 inches, positioned ½ inch from the top, bottom, and right edge of the sheet. Match lines shall be used where more than one sheet is required.

7.3. Right-of-way maps shall be drawn to a scale of 1 inch = 50 feet. An appropriate scale other than 1 inch = 50 feet may be used on some proposed right-of-way projects upon prior approval by the ENGINEER.

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7.4. Since right-of-way maps are reduced in size by one-half for archiving purposes, the smallest size lettering acceptable on a right-of-way map shall be 1/10 of one inch (Leroy #100). A right-of-way map which contains any lettering smaller than 1/10 of one inch will not be accepted by the ENGINEER.

7.5. Parcel plats shall be drawn to a preferred scale of 1 inch = 50 feet. An appropriate scale other than 1 inch = 50 feet may be used on some proposed right-of-way projects upon prior approval by the ENGINEER. In the case of a very large parcel which would be difficult to show with clarity on a single 8 ½ inch by 11 inch sheet, the SURVEYOR shall use multiple 8 ½ inch by 11 inch sheets with matching lines.

7.6. The smallest size lettering acceptable on a parcel plat shall be 0.06 of an inch (Leroy #60).

7.7. Property descriptions shall be submitted on 8 ½ inch by 11 inch bond paper.

7.8. The ENGINEER has encountered a number of mylar products which are considered unacceptable. The SURVEYOR shall confer with the ENGINEER regarding mylar products he intends to use which have not been previously used on State projects.

7.9. Zip-A-Tone or other similar stick-on products shall not be used on right-of-way maps or parcel plats.

8. ADHERENCE TO STANDARDS:

For purposes of clarity, consistency, and ease of understanding, the COUNTY, as an acquiring agency of private property for public use, has adopted the STATE standards and formats for right-of-way mapping which have proven to facilitate the processes of negotiation, appraisal, relocation assistance, and condemnation. It shall be the responsibility of the SURVEYOR to adhere to these standards and formats to every extent possible to ensure that the needs of the acquiring agency are met.

SAMPLES ATTACHED FC 130:

- PRELIMINARY Right-of-Way Layout / Abstract Map
- Right-of-Way Map, Field Notes, Parcel Sketches and Area Computation Sheets

ROW MAP CHECKLIST

Consultant: _____
Contract/WA# _____
Responsible Office: _____
Project Manager: _____
County: _____
Highway: _____
RCSJ: _____
CCSJ: _____

As the responsible consultant project manager, I hereby certify that the attached ROW Map has undergone a QA/QC review, with the following applicable items specifically checked for accuracy, completeness and constructability (as noted by Checkmarks)

_____
Signature Date

_____
Printed Name

(This Checklist must be signed by the RPLS and turned in with all proposed ROW Projects.

MAP:

General

___ All documents have been proofread and are accurate.
___ Title Commitments for each individual parcel.
___ Graphics files compatible with Micro station and Word software are provided.
___ Photos of proposed ROW staking included.
___ Field notes and Parcel Plats are numbered continuous.
___ Scale shall be 1"=50' or 1"=100".

Title Sheet Requirements

___ Title and description of project including county, limits, etc....
___ Vicinity map with beginning and ending station
___ Equations and Exceptions
___ Index
___ Legend
___ Title block completely filled out with Construction and R.O.W. CSJs'
___ List all Major Utilities from Station to Station

Individual Map Sheet Requirements

___ Sheet size 34" X 22"
___ Text legible when reduced to half-scale.
___ Title block completely filled out with R.O.W. CSJ
___ Matchlines
___ Project layout sheet
___ Existing utility lines and easements, deed reference, as shown on Schedule "B" of the Title Commitment, and defined on parcel plats

Existing information:

___ R.O.W. lines
___ Whole property or whole property inset
___ Roadways
___ Survey, county, and city limit lines shown and labeled
___ Improvements shown and labeled *(see below)*
___ Monumentation i.e. P.C., P.T., Break Points
___ North arrow
___ Scale
___ Property lines

___ Property descriptions i.e., lot, block, tract, subdivision, etc…
___ Identify existing and proposed access denial locations *(if applicable)*

Proposed information:
___ #5- 2-ft iron road set monumentation i.e. P.C., P.T., Break Points and 1000' stations at proposed ROW lines and where existing ROW line is the proposed ROW.
___ Survey and R.O.W. lines
___ Basis of bearings
___ Parcel bearings and distances correspond with traverse sheet
___ Outside ties (P.O.C.) corresponds with field notes
___ Point of beginning (P.O.B.) established on proposed R.O.W. line
___ Parcel tied to baseline
___ Baseline information shown i.e. Stationing, bearings, curve data, etc…
___ Conveyance information shown in tables i.e. parcel number, grantors name, amount of take, remainder etc.
___ Math checked on remainder

Improvements:
___ Improvements bisected or within 25' of proposed R.O.W. line are shown on map with stationing and distance from proposed R.O.W. line. Buildings are labeled and dimensioned.
___ Off-premise outdoor advertising signs within proposed R.O.W. are shown and labeled.

Utilities:
___ All utilities within or crossing existing and proposed right of way are shown and labeled as to size, easement or fee width, and recording data of instrument.
___ Location of underground storage tanks and/or filler caps are shown and labeled

FIELD NOTES - Heading
___ County
___ Highway
___ Parcel number
___ R.O.W. CSJ
___ Construction CSJ

General Description or "preamble"
___ Area of parcel to be acquired is shown in acreage (0.000) for rural land and/or square feet (to nearest whole sq. ft.) for urban land or smaller parcels
Parent tract data is shown:
___ Size of parent tract
___ Survey data or lot, block, and subdivision
___ Name of last recorded seller and buyer
___ Date, volume and page or document number of last recorded conveyance
___ Records and county of last recorded conveyance

Beginning Description
___ Point of commencement is on outside tie and is described accurately by bearings and distances as it leads to the point of beginning.
___ Point of beginning is on proposed R.O.W. line

Particular Description
___ Traverse calls are clockwise sequence
___ Bearings and distances correspond exactly with map, parcel sketch, and traverse sheet
___ Bearings are to nearest whole second and distances are to the nearest one-hundredth of a foot
___ Calls are numbered
___ Denial of access shall be described from beginning to end *(if applicable)*

Closing Description
___ Last call leads back to P.O.B.
___ Restates area of parcel

___ Establishes taking in existing road R.O.W. if applicable
___ Legal description is referenced to Plat
___ Sealed and signed
___ Include an access clause whether access is permitted or denied *(if applicable)*

PARCEL SKETCH:

___ Shows P.O.B. and P.O.C.
___ All data corresponds exactly with Map and Field Notes
___ Sheet size is no larger than 81/2" x 11"
___ Plat closely matches example provided
___ Plat referenced to legal description
___ Sealed and signed
___ Include an access clause whether access is permitted or denied *(if applicable)*
___ Existing utility lines and easements (deed reference, if available);

TRAVERSE SHEET

___ Computations show area to be acquired in sq. ft. or acres, whichever is applicable
___ Computations show area that is existing road R.O.W. if applicable
___ Traverse calls are in clockwise sequence
___ Error of closure meets the following:

Secondary rural	.0003
Primary rural - secondary urban	.0002
Urban or industrial	.00013

FIELD SURVEYING AND PHOTOGRAMMETRY

(Function Code 150)

Services Provided By:
ENGINEER COUNTY

B. DESIGN AND CONSTRUCTION SURVEYS:

1. PURPOSE:

The purpose of a "design survey" is to provide field information in support of transportation systems design.

The purpose of a "construction survey" is to provide field data in support of highway construction.

2. DEFINITIONS:

A "design survey" is defined as the combined performance of research, field work, analysis, computation, and documentation necessary to provide detailed topographic (3-dimensional) mapping of a project site. A design survey may include, but need not be limited to, cross-sections or data to create cross-sections and Digital Terrain Models (DTM), horizontal and vertical location of utilities and improvements, detailing of bridges and other structures, review of right-of-way maps, establishing control points, etc.

A "construction survey" is defined as the combined performance of reconnaissance, field work, analysis, computation, and documentation necessary to provide the horizontal and vertical position of specific ground points to be used by the construction contractor for determining lines and grades.

3. WORK TO BE PERFORMED:

3.1. Design Surveys:

In performing design surveys, the following will be requested by the ENGINEER on an as needed basis, but need not be limited to:

3.1.1. Obtain or collect data to create cross-sections and digital terrain models including any missing voids identified by the ENGINEER.

3.1.2. Locate all existing utilities, overhead and underground.
Horizontally – the SURVEYOR shall call the 1-800 number for the utilities to be marked on the ground as well as any city water and sewer lines. He shall tie all visible utility crossings with name, address and Phone #'s of utility companies. The ENGINEER will coordinate with the utility companies and jointly the SURVEYOR and the ENGINEER will identify which utilities were missed and need to be tied down.
Vertically – The ENGINEER shall identify all utilities that are potential conflicts and that need to be tied vertically and coordinate the exposure. The ENGINEER will advise the SURVEYOR in writing of the needed vertical ties and he will provide the required information to the ENGINEER promptly.

3.1.3. Locate topographical features and existing improvements.

3.1.4. Provide details of existing bridge structures. The SURVEYOR shall tie the top of deck and/or top of cap elevations at the Profile Grade Line (PGL) and the edges of slab at bent locations.

3.1.5. Provide details of existing drainage features, such as culverts, manholes, inlets, etc. The SURVEYOR will tie horizontally and vertically all existing storm drain systems that lie within the existing & proposed ROW including the elevation of the outfall of said recovered existing storm drain systems.

3.1.6. Profile and cross section intersecting streets for ties into project (500-ft. beyond the proposed ROW per schematic and 20-ft wider than the existing ROW of intersecting street).

Services Provided By: ENGINEER	COUNTY	
___	___	3.1.7. Cross section irrigation crossings for a distance of 20-ft beyond the proposed ROW at 100-ft intervals in a DTM file. Provide a complete description of irrigation appurtances as identified by the engineer sample layout. The SURVEYOR will meet with the ENGINEER before he ties down any irrigation lines. The ENGINEER will provide him the existing Irrigation District Maps and the A&M Data of existing irrigation lines that are identified of record. He will follow the sample given to him by the ENGINEER and tie the structures horizontally and vertically and include in the field books to be submitted.
___	___	3.1.8. Cross section and profile all outfall channels identified on the Hydrologic Map for a distance of 200-ft beyond the proposed ROW upstream and downstream at 100-ft intervals. The SURVEYOR will provide a complete 2D/3D File including utilities of the outfalls identified.
___	___	3.1.9. Inventory all driveways, commercial entrances, public roads and side streets separately. Obtain centerline station. (Width at ROW, PAV'T and existing radius. Inventory by type (dirt, caliche, gravel or paved). If paved, indicate condition in terms of no patches, has patches or has potholes. Obtain width at R.O.W. line. Obtain elevations at both edges of the driveway or turnout in line with the side drain.
___	___	3.1.10. Inventory signs, mailboxes, and large trees within the proposed ROW.
___	___	3.1.11. Locate wetlands.
___	___	3.1.12. Establish additional control points.
___	___	3.1.13. Locate existing right-of-ways.
___	___	3.1.14. Review right-of-way maps.
___	___	3.1.15. Locate boreholes.
___	___	3.1.16. Perform hydrographic surveys.
___	___	3.1.17. Update existing control data and prepare survey control data sheets, as required by the Design Manual, signed by a Registered Professional Land Surveyor, for inclusion into a construction plan set.

3.2. Construction Surveys:

In performing construction surveys, the following will be requested by the ENGINEER on an as needed basis, but need not be limited to:

___	___	3.2.1. Stake existing and/or proposed right-of-ways.
___	___	3.2.2. Stake existing and/or proposed baseline/centerline.
___	___	3.2.3. Stake proposed bridge structures.
___	___	3.2.4. Stake proposed drainage structures, such as manholes, culverts, etc.
___	___	3.2.5. Set grade stakes.
___	___	3.2.6. Recover and check existing control points.
___	___	3.2.7. Establish additional control points.
___	___	3.2.8. Check elevations and locations of structures.
___	___	3.2.9. Determine and resolve conflicts associated with survey data.

4. DELIVERABLES:

The deliverables to be specified in individual work authorizations for design surveys and construction surveys may be any combination of the following:

___	___	4.1. Digital Terrain Models (DTM) in a format acceptable by the ENGINEER.
___	___	4.2. Final H&V Field Book Binder with all pertinent information obtained in the field for Design Surveys. Maps, plans, or sketches prepared by the SURVEYOR showing the results of field surveys.

4.3. Computer printouts or other tabulations summarizing the results of field surveys.

4.4. Digital files or media acceptable by the ENGINEER containing field survey data.

4.5. Maps, plats, plans, sketches, or other documents acquired from utility companies, private corporations, or other public agencies, the contents of which are relevant to the survey.

4.6. Field survey notes, as electronic and/or hard copies.

4.7. An 8 ½ inch by 11 inch survey control data sheet for each construction control point which shall include, but need not be limited to, a location sketch, a physical description of the point including a minimum of two reference ties, surface coordinates, a surface adjustment factor, elevation, and the horizontal and vertical datums used. Survey control data sheets shall be signed and sealed by the supervising Registered Professional Land Surveyor.

4.8. Final mylar set of 11 inch by 17 inch Survey Control data sheets sign and seal by the RPLS per TxDOT guidelines.

4.9. A digital and/or hard copy of all computer printouts of horizontal and vertical conventional traverses, GPS analysis and results, data including property descriptions with field notes and plats, right-of-way maps, and survey control data sheets to include in the H&V Field Book Binder.

4.10. Survey reports in a format requested by the ENGINEER.

4.11. Items indicated under the Automation Requirements Section 6.

5. GENERAL REQUIREMENTS:

5.1. Design surveys and construction surveys shall be performed under the supervision of a Registered Professional Land Surveyor currently registered with the Texas Board of Professional Land Surveying.

5.2. Horizontal ground control used for design surveys and construction surveys, furnished to the SURVEYOR by the ENGINEER or based on acceptable methods conducted by the SURVEYOR, shall meet the standards of accuracy required by the STATE.
Reference may be made to standards of accuracy for horizontal control traverses, as described in the FGCS Standards and Specifications for Geodetic Control Networks, latest edition, the TxDOT Survey Manual, latest edition, the TxDOT GPS Manual of Practice, latest edition, or the TSPS Manual of Practice for Land Surveying in the State of Texas, as may be applicable.

5.3. Vertical ground control used for design surveys and construction surveys, furnished to the SURVEYOR by the ENGINEER or based on acceptable methods conducted by the SURVEYOR, shall meet the standards of accuracy required by the ENGINEER.
Reference may be made to standards of accuracy for vertical control traverses, as described in the FGCS Standards and Specifications for Geodetic Control Networks, latest edition, the TxDOT Survey Manual, latest edition, the TxDOT GPS Manual of Practice, latest edition, or the TSPS Manual of Practice for Land Surveying in the State of Texas, as may be applicable.

5.4. Side shots or short traverse procedures used to determine horizontal and vertical locations shall meet the following criteria:

5.4.1. Side shots or short traverses shall begin and end on horizontal and vertical ground control as described above.

5.4.2. Standards, procedures, and equipment used shall be such that horizontal locations relative to the control may be reported within the following limits:

a. Bridges and other roadway structures: less than 0.1 of one foot.
b. Utilities and improvements: less than 0.2 of one foot.
c. Cross-sections and profiles: less than 1 foot.
d. Bore holes: less than 3 feet.

5.4.3. Standards, procedures, and equipment used shall be such that vertical locations relative to the control may be reported within the following limits:

a. Bridges and other roadway structures: less than 0.02 of one foot.
b. Utilities and improvements: less than 0.1 of one foot.
c. Cross-sections and profiles: less than 0.2 of one foot.
d. Bore holes: less than 0.5 of one foot.

6. AUTOMATION REQUIREMENTS:

6.1. Planimetric design files (DGN) shall be fully compatible with the State's *Micro Station V8* graphics program without further modification or conversion.

6.2. Electronically collected and processed field survey data files shall be fully compatible with the State's *CADD* systems without further modification or conversion. All files shall incorporate only those feature codes currently being used by the STATE.

6.3. Digital Terrain Models (DTM) shall be fully compatible with the STATE's GEOPAK system without further modification or conversion. All DTM files shall be fully edited and rectified to provide a complete digital terrain model with all necessary break lines.

ADDITIONAL RESPONSIBILITIES

A. TRAFFIC CONTROL:

The SURVEYOR shall control traffic in and near surveying operations adequately to comply with provisions of the latest edition of the TxDOT Manual on Uniform Traffic Control Devices – Part VI and the latest edition of the Occupational Safety Manual both of which can be found on the TxDOT internet site.

In the event field crew personnel must divert traffic or close traveled lanes, a Traffic Control Plan based upon principles outlined in the latest edition of the TxDOT Manual on Uniform Traffic Control Devices – Part VI shall be prepared by the SURVEYOR and approved by the ENGINEER prior to commencement of field work. A copy of the approved plan shall be in the possession of field crew personnel on the job site at all times and shall be made available to the ENGINEER for inspection upon request.

B. INVOICING:

Payment requests shall include a SURVEYOR's invoice. With each payment request, the SURVEYOR shall submit a project status report which will, as a minimum, include the percentage of total work complete as of the date of the payment request and a description of current work activity. The percentage of total work complete shall not be based simply on the percentage of funds expended, but shall be based on the best judgment of the SURVEYOR as to the percentage of actual work complete.

C. EASEMENTS, LETTERS OF PERMISSION, ETC.

The SURVEYOR shall be responsible for delineating easements. The SURVEYOR will be responsible for securing the necessary legal instruments and obtaining all Right-of-Entries (ROEs).

D. MEETINGS:

The ENGINEER shall setup the necessary meetings with the SURVEYOR in order to assure all field information is provided on-time and products are delivered in accordance with TxDOT's specifications. SURVEYOR must attend all meetings involving data provided if requested by ENGINEER.

E. PROJECT MANAGER/SURVEYOR COMMUNICATION:

The SURVEYOR shall designate one Texas Registered Professional Land Surveyor (RPLS) to be responsible throughout the project for project surveying coordination and all communications, including billing, with the ENGINEER.

F. OFFICE LOCATION:

The SURVEYOR will perform the services to be provided under this agreement out of a local office and have a crew available to perform requested tasks within 24 hours of request. The coordinating SURVEYOR's Project Manager (RPLS) shall be accessible at all times and working from the local office.

ROADWAY DESIGN CONTROLS

(Function Code 160)

Services Provided By: ENGINEER	COUNTY
___	___
___	___

1. Geometric Design
   a. Horizontal and Vertical Alignment
   b. Schematic Layout
      (1) The location of interchanges, main lanes, grade separations, frontage roads and ramps.
      (2) Develop vertical and horizontal alignment of main lanes, ramps and cross roads at proposed interchanges or grade separations. Frontage road alignment data need not be shown on the schematic; however, it should be developed in sufficient detail to determine ROW needs. The degree of horizontal curves and vertical curve data, including "K" values, shall also be shown for ease of checking.
      (3) For freeways, show the location and text of the proposed main lane guide signs. Lane lines and/or arrows indicating the number of lanes shall also be shown.
      (4) A complete explanation of the sequence and methods of stage construction, if proposed, including the initial and ultimate proposed treatment of crossovers and ramps.
      (5) The tentative ROW limits.
         (a) Provide a roadway Design System (RDS) or (GEOPAK) computer tape of the preliminary earthwork to verify ROW requirements.
         (b) Provide a graphics file containing the approved schematic.
      (6) The geometric (pavement cross slopes, lane and shoulder widths, slope rates for fills and cuts) of the typical sections of proposed highway main lanes, ramps, frontage roads, and cross roads.
      (7) The current and projected traffic volumes as provided by the TxDOT (20 year traffic projection, unless otherwise determined by the District Engineer).
      (8) The control of access lines if Interstate or designated under House Bill 179.
      (9) Direction of traffic flow on all roadways.
      (10) Location and width of median openings for highway without access control.
      (11) The geometric of speed change (acceleration, deceleration, climbing) lanes.

___ ___ 2. General Guidelines for Project Development
   a. Prior to preparing detailed plans for a proposed project, a preliminary schematic layout shall be prepared which indicates the general geometric features and location requirements peculiar to the project. An uncontrolled aerial mosaic will be provided for this use. Four copies of the schematic layout shall be submitted through the district to the Design Division for approval and subsequent coordination with the Federal Highway Administration (FHWA) where applicable. The layout shall be submitted for two-lane arterial highway projects on new locations and for all multi-lane highway projects. **No geometric design is to be performed until the COUNTY has given the engineer written approval of the preliminary schematic layout.**
   b. All geometric design shall be in conformance with the State's Design Division, Operations and Procedures Manual, except where variances are permitted in writing by the STATE.
   c. The schematic layout shall include basic information which is necessary for the proper review and evaluation including the items listed above in the checklist for schematic layout.
   d. Handling of traffic during construction shall be a consideration in the development of preliminary designs.

Services Provided By:
ENGINEER COUNTY

2. General Guidelines for Project Development *(continued)*
   e. Upon approval of the schematic layout by Design Division (FHWA on Federal-aid projects), it shall be the basis for an exhibit at any required public hearing prior to final development of the project. If there are any changes to the schematic after the Design Division and FHWA approval and before the public hearing, four copies of the revised schematic, as displayed at the hearing, shall be submitted either prior to or accompanying the public hearing data. If there are no changes in the schematic as displayed at the hearing, only photographs of the schematic and other displays shall be submitted with the public hearing data.
   f. For all freeway construction projects, these schematics shall show the location and text of the proposed main lane guide signs. A schematic layout shall be submitted through the district to the Traffic Operations Division, Traffic Safety Section for approval and subsequent coordination with the FHWA. All signing shall be in conformance with the Texas MUTCD.
   g. On complex projects, informal contact through the district with the Design Division and FHWA personnel is encouraged with regard to development of preliminary design prior to official schematic submission.
   h. The engineer shall furnish a project tape that is compatible with the STATE's computer system, a project listing, and a cross section plot showing the original design sections containing the earthwork input and original cross sections for the project. **Accuracy of the earthwork design is of utmost importance since it is the basis for contractor payments and construction staking.**

3. Exhibit for Airway/Highway Clearance Permits

4. Grading Design
   a. Refine the horizontal and vertical alignment of main lanes, frontage roads, ramps, cross roads and direct connectors based upon the approved schematic layout. Determine vertical clearances at grade separations and overpasses, taking into account the appropriate super elevation rate.
   b. Typical Sections
   c. Design Cross Sections
   d. Determine Cut and Fill Quantities
   e. Slope Stability Analysis
   f. Embankment Foundation Stability Analysis
   g. Embankment Settlement Analysis

5. Pavement Design
   a. Prior to initiating detailed plan preparations for a project, a preliminary investigation shall be made to determine the approximate section and pavement type to be used for the pavement structure. The Flexible Pavement Design Manual for flexible pavement, "Appendix F" of the Design Division, Operations and Procedures Manual, and the current AASHTO Guide for the Design of Pavement Structures, may be used for this purpose.
   b. The typical section shall also reflect proposed geometric including pavement cross slopes, lane and shoulder widths, and slope rates whenever this data have not been previously shown on a schematic submission.
   c. Embankment and Subgrade
      (1) Soil Core Holes (Show cost estimate with Function Code 110)
         (a) Along center line
         (b) Along center line of each roadway
         The location and minimum number of soil core holes required for this project are as follows: (To be determined when schematic is being completed)

Services Provided By:	
ENGINEER	COUNTY
____	____
____	____
____	____
____	____
____	____
____	____
____	____
____	____

5. Pavement Design *(continued)*
   c. Embankment and Subgrade *(continued)*
      (2) Identify,interpret and summarize geologic features that affect engineering design (PI, Sulfate content, % of lime)
   d. Traffic Data for Pavement Design by STATE
   e. Basic Design Criteria
   f. Life Cycle Cost Analysis(es)
   g. Cost Data
   h. Pavement Material Properties
   i. Rehabilitation Investigations
      (1) Core Hole Survey (Show cost estimate with Function Code 110)
         (a) Determine type and depth of existing material, pavement, etc. The Engineer will determine whether to salvage ACP and FLEXBASE as well as their properties and provide this information to TxDOT.

DRAINAGE
(Function Code 161)

Services Provided By: ENGINEER	COUNTY	
		All hydraulic design shall be in accordance with the TxDOT's Hydraulic Manual, except where variances are permitted in writing by the COUNTY.
		1. Hydrologic Studies, Discharges
___	___	a. Drainage area maps showing existing conditions and proposed improvements.
___	___	b. Hydrologic data/discharge determination
		2. Hydraulic Drainage Study and Documentation
		a. Hydraulic computations
___	___	(1) Storm water detention available within the ROW (linear ft. along side drain ditch).
___	___	(2) Storm water detention required outside the ROW (as per HCDD#1)
___	___	(3) Culverts
___	___	(4) Bridge waterways
___	___	(5) Channels
___	___	(6) Storm sewers/inlets
___	___	(7) Pump stations
___	___	(8) Storm Water Management facilities
___	___	(9) Other
		(a) Irrigation Canals/Siphons
___	___	b. Hydraulic report(s)
___	___	c. Federal Emergency Management Agency (FEMA) floodway requirements
___	___	d. Determine impact of proposed drainage plan on the following receiving stream(s)
		(1) Hidalgo County Drainage District Outfalls
		(2) All Irrigation District Outfalls impacted
		3. Layout, Structural Design and Detailing of Drainage Features
		a. Culverts
___	___	(1) New culverts
___	___	(2) Culvert widening and/or lengthening
___	___	(3) Culvert replacements
		b. Storm sewers
___	___	(1) New storm sewers
___	___	(2) Modify existing storm sewers
___	___	(3) Inlets
___	___	(4) Manholes
___	___	(5) Trunk lines
___	___	c. Pump stations
___	___	d. Subsurface drainage at retaining walls
___	___	e. Outfall channel(s) within the ROW
___	___	f. Outfall channel(s) outside the ROW
___	___	g. Detention Pond(s) within the ROW
___	___	h. Detention Pond(s) outside the ROW
___	___	i. Summary of Quantities
___	___	j. Storm Water Management facilities
___	___	4. Storm Water Pollution Prevention Plan (SW3P)
___	___	5. Scour Evaluation - Waterway Structures only (to be completed by Bridge Engineer under FC 170.

SIGNING, MARKINGS AND SIGNALIZATION

(Function Code 162)

Services Provided By:
ENGINEER COUNTY

1. Signing and Markings Layout
   a. Requirements (Separate Layout)
      (1) Roadway layout
      (2) Center line with station numbering
      (3) ROW lines
      (4) Culverts and other structures that present a hazard to traffic
      (5) Location of utilities, if not shown on plan and profile
      (6) Existing signs to remain, to be removed, to be relocated
      (7) Proposed signs (illustrated and numbered)
      (8) Existing overhead sign bridges to remain, to be revised, removed or relocated
      (9) Proposed overhead sign bridges indicating location by plan layout (electrical details need not be shown on this layout)
      (10) Proposed markings (illustrated and quantified) which include pavement markings, object markings and delineation
      (12) Quantities of existing pavement markings to be removed
      (13) Proposed delineators and object markers

   b. For projects involving freeway to freeway or other types of directional interchanges, projects including left-hand ramps or connections, the following information must be provided:
      (1) The location of interchanges, main lanes, grade separations, frontage roads and ramps
      (2) complete explanation of the sequence and methods of stage construction, where applicable, which would include the initial and ultimate proposed treatment of crossovers and ramps
      (3) The number of lanes in each section of proposed highway and the location of changes in numbers of lanes
      (4) The projected traffic volumes as provided by the STATE (20 year traffic projection, unless otherwise determined by the District Engineer)
      (5) Tentative ROW limits
      (6) Direction of traffic flow on all roadways
      (7) Main lane, ramp, frontage road, and necessary cross road profiles at proposed interchanges or grade separations

2. Summary of Small Signs Tabulation

3. Summary of Large Signs Tabulation including all Guide Signs

4. Sign Detail Sheets
   a. All signs except route markers
   b. Design details for large guide signs
   c. Dimensions of letters, shields, borders, corner radii etc.
   d. Designation of shields attached to guide signs
   e. Designation of arrow used on exit direction signs

Services Provided By: ENGINEER	COUNTY	
		5. Traffic Signals
		a. Development of Justification (Warrant) Data
___	___	(1) Location Map Relationship of proposed installation to other traffic signals, highways, business areas and traffic generators
___	___	(2) Photographs as appropriate
___	___	(3) Accident data as appropriate
___	___	(4) Vehicle volumes (provided by TxDOT)
___	___	(a) Existing
___	___	(b) Estimated
___	___	(c) Projected
___	___	(d) Pedestrian
___	___	(5) Traffic Survey - Count Analysis
___	___	(6) Recommendation based on above data
		b. Layout
___	___	(1) Title Sheet (when applicable)
		(a) Describe the location
		(b) Type of installation
		(c) Area map with project limits for each location
		(d) Index of sheets
		(e) Space for official signatures
		(2) Estimate and quantity sheet (when applicable)
		(a) List of all bid items
		(b) Bid item quantities
		(c) Specification item number
		(d) Paid item description and unit of measure
		(3) Basis of estimate sheet (list of materials)
		(4) General notes and specification data sheet
		(5) Condition diagram
		(a) Highway and intersection design features
		(b) Roadside development
		(c) Traffic control including illumination
		(6) Plan sheet(s)
		(a) Existing traffic control that will remain (signs and markings)
		(b) Existing utilities
		(c) Proposed highway improvements
		(d) Proposed installation
		(e) Proposed additional traffic controls
		(f) When applicable, proposed conduit for Railroad interconnect with standard details for runs under tracks.
		(g) Proposed illumination attached to signal poles.
		(7) Notes for plan layout
		(8) Elevation sheet(s) (span wire design)
		(9) Phase sequence diagram(s)
		(a) Signal locations
		(b) Signal indications
		(c) Phase diagram
		(d) Signal sequence table
		(e) Flashing operation (normal and emergency)
		(f) Preemption operation (when applicable)
		(g) Interval timing, cycle length and offset

Services Provided By: ENGINEER	COUNTY	
		5. Traffic Signals *(continued)*
___	___	b. Layout *(continued)*
		(10) Construction detail sheets(s)
		(a) Poles (TxDOT standard sheets)
		(b) Detectors
		(c) Pull Box and conduit layout
		(d) Controller Foundation standard sheet
		(11) Marking details (when applicable)
		(12) Barricade and warning sign standard sheet and any special details for work zone traffic control for special conditions
		(13) Aerial or underground interconnect details (when applicable)
		c. General Requirements
		(1) Contact local utility company
___	___	(a) Confirm power source
___	___	(b) Discuss route of aerial or underground interconnect cable (when applicable)
___	___	(c) Adjustment of overhead utility lines
___	___	(2) Prepare governing specifications and special provisions list
___	___	(3) Prepare project estimate
___	___	d. Summary of Quantities

MISCELLANEOUS (ROADWAY)

(Function Code 163)

Services Provided By: ENGINEER	COUNTY	
		1. Retaining Walls
		a. Structural Details
___	___	(1) Cast-in-Place Cantilever at _____ locations. (TxDOT Standard Retaining Wall)*
___	___	(2) Tiedback Retaining Wall at _____ location. (TxDOT standard retaining wall)
___	___	(3) Specialized Retaining Wall at _____ locations (Unique Design).*
		b. Alternate Patented Retaining Walls at all locations. (Layouts Only)**
___	___	(1) Mechanically Stabilized Earth
___	___	(2) Concrete Block Wall Systems
___	___	c. Retaining Wall Layout (PLAN)
		(1) Designation of reference line
		(2) Beginning and ending retaining wall stations
		(3) Station of each retaining wall joint***
		(4) Offset from reference line
		(5) Horizontal curve data
		(6) Number of retaining wall panels and lengths***
		(7) Total length of wall
		(8) Indicate face of wall
		(9) All wall dimensions and alignment relations (alignment data as necessary)
		(10) Soil core hole locations
___	___	d. Retaining Wall Layout (ELEVATION)
		(1) Top of wall elevations at each joint or intervals***
		(2) Existing and finished ground line elevations
		(3) Height of stem at each joint***
		(4) Wall panel designations***
		(5) Top of footing elevations***
		(6) Limits of measurement for payment****
		(7) Type, limits and anchorage details of railing (If applicable)
		(8) Top and bottom of wall profiles and soil core hole data plotted at correct station and elevation. The plot shall be at the same scale as the wall profile. Ground water elevations and the observation date shall be shown.
___	___	e. Foundation Studies (Show cost estimate with Function Code 110)
___	___	(1) The soil core holes shall be obtained at approximately 200 foot intervals along retaining wall alignments. The core holes shall extend 25 feet below the footing elevation.
___	___	f. Stability Analysis (the ENGINEER shall estimate this task as part of his bid to complete the work).
___	___	g. Estimate
___	___	h. Summary of Quantities
___	___	i. Typical X-section.
___	___	j. General Guidelines for Retaining Walls
		(1) The ENGINEER shall make final design calculations and final detail drawings in accordance with standard requirements of the Texas Department of Transportation. **The designer and checker shall check all calculations and initial each page.**
		(2) The ground water level should be observed at the water strike.
		(3) For purposes of uniformity statewide, soil core hole data shall be shown on layouts as illustrated in the Bridges and Structures Foundation Exploration and Design Manual.
		(4) Foundation exploration shall conform to the requirements set forth in Administrative Circular No. 25-84, Administrative Circular 33-87 and Administrative Circular No. 25-92.

Services Provided By:
ENGINEER COUNTY

2. Traffic Control Plan, Detours and Sequence of Construction
Traffic Control Plans (TCP) are required for all projects. A detailed TCP shall be developed when traffic handling during construction involves complications for which a feasible solution is not covered by the Texas MUTCD or the current Barricade and Construction (BC) Standards. The following items are required on all Traffic Control Plan Layouts:
   a. The sequence of construction and method of handling traffic during each phase.
   b. The existing and proposed traffic control devices that will be used to handle traffic during each construction sequence. Include signals, regulatory signs, warning signs, construction warning signs, guide signs, route markers, construction pavement markings, channelizing devices, portable changeable message signs, flashing arrow boards, barricades, barriers, etc.
   c. The proposed traffic control devices (stop signs, signals, flag person, etc.) at grade intersections during each construction sequence.
   d. Where detours are provided, typical cross sections shall be shown.
   e. Road construction work hours shall be developed after an investigation of the traffic volumes has been performed.

3. Illumination
   a. Preliminary Roadway Illumination Layout and Circuit Layout
      (1) For projects involving freeway to freeway or other types of directional interchanges and projects including left-hand ramps or connections, provide the following:
         (a) The location of interchanges, main lanes, grade separations, frontage roads and ramps
         (b) A complete explanation of the sequence and methods of stage construction, where applicable, which would include the initial and ultimate proposed treatment of crossovers and ramps
         (c) The number of lanes in each section of proposed highway and the location of changes in the number of lanes
         (d) The projected traffic volumes as provided by the STATE (20 year traffic projection unless otherwise determined by the district engineer)
         (e) Tentative ROW limits
         (f) Direction of traffic flow on all roadways
         (g) Main lane, ramp, frontage road, and necessary cross road profiles at proposed interchanges or grade separations
   b. Final Roadway Illumination and Electrical Circuit Layouts
      (1) Roadway layout showing pavement edges, shoulders, curbs, retaining walls, etc.
      (2) Center line with station numbering.
      (3) ROW lines.
      (4) Symbol legend. Use department standard symbols for lighting and electrical.
      (5) Culverts and other structures that present a hazard to traffic.
      (6) Location of underground utilities, if not shown on plan profile.
      (7) Location of overhead electrical lines, both crossing and parallel to ROW.
      (8) Existing sign lighting circuits and roadway illumination to remain, to be removed, to be relocated.
      (9) Existing service poles, electrical circuits, ground boxes, etc.
      (10) Contact electric utility for service pole locations, voltage characteristics.
      (11) Location of proposed sign lighting circuits and roadway illumination.
      (12) Proposed electrical circuits.
      (13) Tabulation of all quantities including proposed, existing to be relocated, existing to be removed. The layout sheet quantities and lighting summary shall be shown. Tabulations to include estimated quantity with a column for final quantities.

Services Provided By: ENGINEER	COUNTY	
		3. Illumination *(continued)*
___	___	c. General Guidelines for Illumination (If applicable) The ENGINEER shall submit to the COUNTY, well in advance of PS&E due date, the roadway illumination and electrical circuit layout sheets for review by the STATE. Two copies of the layout sheets are to be submitted. One copy will be returned to the Engineer showing corrections that are to be made by the ENGINEER. When final plan submission is made, the ENGINEER shall provide a written statement regarding completion of the corrections.
		4. Miscellaneous Drafting/Standards
___	___	a. Erosion Control
___	___	b. Landscape Development
___	___	5. Compute and Tabulate Quantities
___	___	6. Special Utility Details (Irrigation lines)
		7. Miscellaneous Structures
		a. Type of Structure*
		(1) Overhead Sign Bridges (O.S.B.) Modifications or special O.S.B. designs shall be prepared using the same design assumptions that are used for the standard O.S.B structures.
___	___	(a) New O.S.B. structure(s)
___	___	(b) Structural evaluation of existing O.S.B. structure(s) that are to remain in place or to be relocated.
___	___	(2) High Mast Illumination Poles (HMIP)
___	___	(3) Traffic Signal Supports
___	___	(4) Conventional Illumination Poles
___	___	(5) Sound Barrier Walls
___	___	b. Checklist for Layouts
		(1) Reference appropriate O.S.B. standard
		(2) Drilled shaft size and length
		(3) Soil strength used for design {indicate basis and boring(s) used}
		(4) Design height
		(5) Tower heights
		(6) Leg spacings
		(7) Design wind speed
___	___	c. Foundation Studies (Show cost estimate with Function Code 110) The soils exploration requirements for miscellaneous structures on this project are as follows: (To be provided by the Engineer on an as-needed basis)
		8. Agreements
___	___	a. Utility Agreements
___	___	b. Exhibits for Utility Agreements
___	___	c. Railroad Agreements
		d. Railroad Exhibits
___	___	(1) Railroad Underpasses
___	___	(2) Railroad Overpasses
___	___	(3) Railroad Grade Crossing (Replanking)
___	___	(4) Railroad Grade Crossing Warning Systems (Signals)
___	___	(5) Other Miscellaneous Sketches for Railroads
___	___	e. Traffic Signal Agreements
___	___	f. Exhibits for Traffic Signal Agreements
___	___	9. Estimate
___	___	10. Specifications and General Notes

BRIDGE DESIGN

(Function Code 170)

Services Provided By: ENGINEER	COUNTY		NUMBER REQUIRED
		1. Preparation of Structural Details	
		a. New Structure(s)	
___	___	(1) Underpass(es)	
___	___	(2) Overpass(es)	
___	___	(3) Main Lanes	___
___	___	(4) Direct Connector(s)	___
___	___	(5) Ramp Bridge(s)	___
___	___	(6) Waterway Structure(s)**	___
___	___	(7) Pedestrian Structure(s)	___
___	___	(8) Utility Structure(s)	___
___	___	(9) Railroad Underpass(es)	___
___	___	(10) Railroad Overpass(es)	___
___	___	(11) Bridge Classification Culvert(s)**	___
___	___	(11) Alternate Structural Designs	___
___	___	(12) Alternate Foundation Design	___
		Total New Structures =	
		b. Existing Structure(s)	___
___	___	(1) Bridge Widening, Rehabilitation and/or Modification of Existing Structure(s)	
___	___	(2) Bridge Replacement	___
___	___	(3) Raising Bridge Elevation	___
___	___	(4) Bridge Classification Culvert(s) Widening and/or Modification of Existing Structures(s)	___
___	___	(5) Railroad Overpass(es)	___
___	___	(6) Railroad Underpass(es)	___
		Total Existing Structures =	___

* Countour plots of bridge gores are required for projects involving ramps within the main bridge in order to ensure project transition. The Template data and vertical alignment necessary to generate the contour plots are also required.

** In the early stages of a project, it sometimes cannot be determined whether a Waterway Bridge Structure or a Bridge Classification Culvert (20' minimum length) will be required. Therefore, the ENGINEER should be aware that either of these two types of bridges may be reclassified later in the project for the other type when more information is known that would dictate a change in structure classification.

Services Provided By:
ENGINEER COUNTY

2. Preparation of Bridge Layouts (each bridge)
   a. Bridge Layouts (PLAN)
      (1) Horizontal curve information or bearing of centerline.
      (2) Including horizontal, vertical, and template information of all roadways or railroads crossed.
      (3) Bearing of center line or reference line.
      (4) Skew angle(s).
      (5) Slope for header banks and approach fills.
      (6) Control stations at beginning and ending of bridge (with deck elevation), intersections, etc.
      (7) Approach pavement and crown width.
      (8) Bridge roadway width and curbs, face of rail, shoulders, or sidewalks.
      (9) Approach slab and curb returns.
      (10) Limits and type of riprap.
      (11) Proposed features under structure.
      (12) Location of profile grade line.
      (13) North arrow.
      (14) Typical bridge roadway section including preliminary proposed beam types and spacings.
      (15) Cross slope and super elevation data.
      (16) Minimum horizontal clearances when applicable.
         (a) Dimensions to features that control clearances. (Calculate and indicate points of minimum vertical and horizontal clearances.
      (17) Location of soil core holes (station and offset), shown on layout.
      (18) Bent stations and bearings.
      (19) Retaining wall locations.
      (20) Traffic flow directional arrows.
      (21) Railing types shown.
      (22) Joint types and seal size, if used.
      (23) Beam line numbers consistent with span details.
      (24) Critical horizontal clearances (location of railroad tracks, nearby structures and utilities).
      (25) Bearings of utilities.

   b. Bridge Layouts (ELEVATION)
      (1) Type of foundation.
      (2) Finished grade elevations at beginning and end of bridge.
      (3) Overall length of structure.
      (4) Length, type of spans and units.
      (5) Type of railing.
      (6) Minimum calculated vertical clearance(s).
      (7) Existing and proposed ground lines clearly marked.
      (8) Grid elevations and stations.
      (9) Bent numbers encircled.
      (10) Stationing of bridge compatible with grid stations.
      (11) Standard title.
      (12) Profile grade data.
      (13) Type of riprap.
      (14) Soil Core Hole information with penetrometer test data shall be shown on the bridge layout at correct station, elevation and scale.
      (15) Fixed/expansion condition of all bents.
      (16) Column "H" heights.
      (17) Number, size and length of foundations.

Services Provided By:
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2. Preparation of Bridge Layouts (each bridge) *(continued)*
   c. Additional layout requirements for waterway structures and bridge classification culverts.
      (1) Design and 100-year peak discharges.
      (2) Design and 100-year high water (HW) (Recorded HW and date if available)
      (3) Natural and through-bridge velocities for design and 100-year floods.
      (4) Calculated backwater for design and 100-year floods.
      (5) Direction of flow for waterway crossings.
      (6) Contours for water crossing.

3. Bridge Classification Culvert, Estimate, Quantities, and Specifications (each bridge)
4. Foundation Studies (Show cost estimate with Function Code 110)
   The minimum number of soil core holes shall be obtained in accordance with Section 1-301 of the Bridges and Structures Foundation Exploration and Design Manual. Soil core holes shall be obtained at approximately (300 foot) intervals along bridge alignments. Texas cone penetrometer (TCP) tests shall be conducted in all soil types encountered at a maximum of (10 foot) intervals. If single column bents with single drilled shafts are planned, TCP values should be taken at close intervals in the upper (15 feet).
5. Bridge Total Quantities and Cost Estimates (each bridge)
6. Bridge Special Provisions and Specifications (each bridge)
7. Bearing seat elevations for each beam or girder. Top of cap elevations for non-beam type structures.
8. General Guidelines for Bridge Design
   a. The ENGINEER shall prepare a bridge layout of each bridge structure for Company's review and approval. The bridge layout shall be in conformance with the Bridges and Structures, Operation and Planning Manual and the Bridges and Structures, Detailing Manual. Soil core hole data is not required for submission of the preliminary bridge layout. **No bridge design work is to be performed until the COUNTY has given the engineer written approval of the preliminary bridge layout.**

      Several months may be required, after the preliminary bridge layout is submitted, for the district to obtain approval and/or permits from the following:

      - TxDOT Design Division, when applicable:
        - Railroad Companies
        - FHWA
        - U.S. Army Corps of Engineers
        - U.S. Coast Guard
        - Bureau of Reclamation
        - Texas Parks and Wildlife
        - Others

      Therefore, the bridge layout should be submitted at the earliest possible date and the ENGINEER's design schedule should reflect this.

   b. All bridge superstructure and substructure design will be reviewed by the Design Division for purposes of verifying structural integrity and optimization of design.

   c. The final bridge layout shall be in conformance with the Bridges and Structures, Operation and Planning Manual and the Bridges and Structures Detailing Manual.

Services
Provided By:
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8. General Guidelines for Bridge Design *(continued)*

d. The ENGINEER shall make final design calculations and final detail drawings in accordance with standard requirements of the Texas Department of Transportation. All bridge design shall be in conformance with the Texas Department of Transportation Bridges and Structures Operation and Planning Manual, the current American Association of State Highway and Transportation Officials or American Railway Engineers Association Specifications for railway structures, Standard Specifications for Highway Bridges, including applicable interim specifications, and the Bridges and Structures, Foundation Exploration and Design Manual. The ENGINEER shall furnish design calculations to the Design Division. **The designer and checker shall check all calculations and initial each page.**

e. Structural steel or prestressed concrete shop drawings, form work drawings and false work drawings are not part of the design requirements. However, contract plans shall be in sufficient detail to permit the preparation of complete shop details for fabrication and erection.

f. Elements of the bridge (abutments, bents, slabs, etc.) shall be detailed to a metric scale of 1:20 (1/2 inch equals one foot architect scale) or 1:50 (1/4 inch equals one foot architect scale) to provide clear legible drawings when the drawings are reduced. Lettering shall be a minimum size of 4 millimeters (5/32 inch) height for hand lettering and 140 for lettering by computer-aided design and drafting (CADD).

g. Standard drawings for beams, diaframs, railings, armor joints, riprap, etc., shall be furnished to the ENGINEER upon request. These standards shall not be redrawn by the ENGINEER nor shall his title block be transferred to the standard drawings. Modifications to the standards, if necessary, shall be clearly identified and designated by "MOD" in the standard title. Specific special drawings prepared by the ENGINEER shall not be identified as standards.

h. Bridge layout sheets shall have the same vertical and horizontal scale. Usually a metric scale of 1:100 (1 inch = 10 feet) or 1:200 (1 inch = 20 feet) is used. Sections of existing and proposed structures usually have a metric scale of 1:50 (1 inch = 5 feet). Soil core holes shall be positioned and labeled on the bridge layout plan view. The core hole data shall be plotted at the correct station, at the same vertical scale, and at the proper elevation unless otherwise approved by the Design Division.

i. APPENDIX C, "GENERAL PLAN CHECKLIST", on pages C-1 thru C-5, more specifically relates various sheet types, details, summaries, standards, etc.

j. For purposes of uniformity statewide, soil core hole data shall be shown on layouts as illustrated in the Bridges and Structures Foundation Exploration and Design Manual.

k. Geometry and structural design errors found after acceptance of bridge plans shall be promptly corrected by the consultant at no cost to the Company.

CONSTRUCTION PHASE SERVICES
(Function Code 320)

Services Provided By:
ENGINEER COUNTY

___ ___ **CONSTRUCTION MANAGEMENT SERVICES:**

The ENGINEER will provide engineering, geotechnical testing and support services for and during the construction of the Project or portions of the Project approved by the COUNTY. Specific (basic and special) services for CONSTRUCTION MANAGEMENT AND SUPPORT by the ENGINEER will include the following:

Construction Bidding:

1) The ENGINEER will furnish the COUNTY the necessary copies of approved plans, specifications, notices to bidders, and proposals as prepared under PS&E.

2) The ENGINEER will assist the COUNTY on the tabulation of bids, recommendations to the Owner as to the proper action on all bid proposals received, and the preparation of formal contract documents for the award of each construction contract.

Construction Contract Administration and Inspection:

3) In general, the ENGINEER will provide the management and engineering support/data required for consultation and advisement to the COUNTY and act as the COUNTY's representative as provided in the General Condition of the Construction Contract.

4) The ENGINEER will coordinate and conduct a pre-construction conference (if required).

5) Defects and Deficiencies. The ENGINEER will use his best efforts to protect the COUNTY against defects and deficiencies in the work of the Contractor. The ENGINEER will promptly notify the COUNTY of any such defect or deficiency, and take all steps possible to require the Contractor to correct the defect or deficiency.

6) Contractor Payment. The ENGINEER will review quantities as submitted by the Contractor and will coordinate with the COUNTY for the preparation of the monthly and final estimates for payment to the Contractor.

7) The ENGINEER will provide Project site inspection of the authorized construction contract as follows:

   a) Project Engineer. The ENGINEER will provide visits by the Project Engineer or a competent representative of the ENGINEER to the site of construction for the purpose of monitoring the Contractor's progress and conformance to the construction contract plans and specifications.

   b) Resident Engineer and/or Construction Inspector(s). The ENGINEER will furnish the services of a Resident Engineer and/or Construction Inspector(s) for on the site inspection construction to monitor/inspect the Contractor's daily progress and conformance to TxDOT's PS&E specifications.

Miscellaneous Technical Activities:

8) Shop Drawings. The ENGINEER will review and check all shop or working drawings furnished by the Contractor.

9) Control of Materials & Equipment. The ENGINEER will provide inspection of all materials and equipment furnished/used by the Contractor as follows:

   a) Review and record all laboratory, shop and mill tests of materials and equipment for compliance with the construction contract specifications.

   b) Observe and/or perform Project record testing and/or independent assurance testing as outlined in the construction contract specifications.

10) Change Orders. When applicable the ENGINEER will prepare the engineering data, including plan sheet drawings, specifications, and estimates, for the preparation of construction contract change orders, which may be required due to actual field conditions encountered or new requirements directed by the COUNTY.

11) As Built Drawings. The ENGINEER will develop as built drawings to depict the work as actually constructed. The COUNTY will be furnished five (5) set of prints.

CONSTRUCTION MATERIAL TESTING:

The ENGINEER will provide the COUNTY with construction material testing services for the Project. The services to be provided include sampling and testing of all construction materials as required by the project plans and specifications. All sampling frequencies and test procedures will be performed in general accordance with the Texas Department of Transportation TEX methods (or ASTM methods as required) as outlined in the Guide Schedule for Sampling and Testing (11/07). The construction material testing includes, but is not limited to the following:

(a) Sampling and laboratory testing of soils and base materials proposed for use in the construction of Project (Roads/Bridges/Misc.) to determine compliance of these materials with project plans and specifications.
(b) Field density testing of soils and base materials to ensure proper compaction as required by project plans and specifications.
(c) Field sampling and testing of fresh concrete, and laboratory testing of hardened concrete to determine compliance with project plans and specifications.
(d) Field compaction testing of asphalt to ensure proper compaction during lay down operations.
(e) Field inspection, sampling and laboratory testing of asphalt materials to determine their material properties and their compliance with project plans and specifications.
(f) The ENGINEER will be responsible for concrete batching as well as the asphalt testing at the plants to insure delivery of acceptable material to the job site.
(g) Any additional laboratory testing as required/requested by the COUNTY and the project plans and specifications.
(h) Providing accurate and timely reports to the COUNTY and all/other recipients as designated by the COUNTY.
(i) The ENGINEER will verify the concrete and asphalt designs to assure it is in accordance with TxDOT specifications to be developed by the contractor.

FC 600 – ACQUISITION PROVIDER SERVICES
(for EST. 0 PARCELS, 0 EASEMENTS AND 0 RELOCATIONS/DISPLACEMENTS)

(Services to be provided by L&G Engineering)

Services Provided By: ENGINEER	COUNTY	
		1) PROJECT ADMINISTRATION
___	___	a) Negotiation of Scope of Services for Work Authorization i) Acquisition Provider will visit project site with COUNTY personnel if necessary.
___	___	b) Project Presence at L&G Consultant Office Headquarters i) Full Project Office (1) No Joint Use of COUNTY or TxDOT facilities (2) Open during normal COUNTY and State work hours (3) Personnel available to answer questions (4) Availability of Project Files (5) At least one office staff member is required to be a current commissioned notary public.
___	___	c) Overhead Costs i) Administrative costs
___	___	d) Communication i) Provide monthly progress reports with invoice. ii) Participate in project review meetings as determined by the COUNTY. iii) Prepare initial property owner contact list for use by the COUNTY in distribution of Acquisition Provider introduction letters.
___	___	e) File Management i) Project and parcel files will be kept in the COUNTY's Office, if necessary. Working files will be kept in the Acquisition Provider's project administrative office, but documents generated or received by the Acquisition Provider will be forwarded to the COUNTY office as they are generated or received by the Acquisition Provider, if necessary. ii) Prepare payment transmittal request utilizing standard payment submissions forms with supporting documentation. iii) Maintain records of all payments including check number, amount, and date paid, etc. iv) Provide copies of all incoming and outgoing correspondence as generated if requested by COUNTY at provider conference. v) Maintain copies of all correspondence and contacts with property owners.
		2) TITLE SERVICES
___	___	a) Secure preliminary title commitments from the Title Company that will be providing title insurance. Cost of preliminary title commitments will be paid by the Acquisition Provider (if requested by the title company) and will be included in the Acquisition Provider's scope of work for payment and paid as a separate item.
___	___	b) Secure title commitment updates in accordance with insurance rules and requirements for parcel payment submissions. Cost of title commitment updates will be paid by the Acquisition Provider (if requested by the title company) and will be included in the Acquisition Provider's scope of work and paid as a separate item.
___	___	c) Secure title insurance for all parcels acquired, insuring acceptable title to COUNTY OF HIDALGO. Written approval by the COUNTY required for any exception.

Services Provided By: ENGINEER	COUNTY	
		3) APPRAISAL
___	___	a) Appraiser may be selected from TxDOT's list of state approved fee appraisers. This list will be available for review at all District offices or at the Right of Way Division Office at 118 E. Riverside Drive, Austin, Texas, upon request.
___	___	b) Secure written permission (if necessary) from the owner to enter the property from which land is to be acquired. If the Acquisition Provider and/or the fee appraiser, after diligent effort, is unable to secure the necessary letter of permission from the property owner, a waiver must be obtained, in writing from the COUNTY/TxDOT. Maintain permission letters with appraisal reports.
___	___	c) Prepare (if necessary) pre-appraisal contact with interest owner(s) for each parcel using acceptable COUNTY/TxDOT forms.
___	___	d) Contact property owners or their designated representative to offer opportunity to accompany the appraiser on the appraiser's inspection of subject property. Maintain record of contact in file.
___	___	e) Prepare complete appraisal report for each parcel to be acquired utilizing TxDOT Forms No. ROW-A-5 and ROW-A-6 as applicable. These reports shall conform to TxDOT/COUNTY policies and procedures along with the Uniform Standards of Professional Appraisal Practices.
___	___	f) As necessary, prepare written notification to COUNTY/TxDOT of any environmental concerns associated with the right of way to be acquired which could require environmental remediation.
___	___	g) All completed appraisals will be administratively reviewed by L&G Engineering ROW Office and recommended for approval by TxDOT.
___	___	h) As necessary, the appraiser will appear and or testify as an Expert Witness in eminent domain proceedings and be available for pre-hearing /pre-trial meetings as directed by L&G Engineering and/or TxDOT.
___	___	i) As necessary, the appraiser will coordinate with review appraiser regarding revisions, comments, or additional information that may be required.
___	___	j) The cost of the appraiser appearing as an expert witness for testimony at special commissioners hearing must be included in the proposed fee schedule for the appraiser. The cost of the appraiser's expert witness testimony for trial is not part of this contract, and shall be paid by the COUNTY.
		4) APPRAISAL REVIEW
___	___	a) Review Appraiser may be selected from TxDOT's list of state approved fee appraisers. This list is available for viewing at all District offices or the Right of Way Division office at 118 E. Riverside Drive, Austin, Texas upon request.
___	___	b) Review all appraisal reports for each parcel to determine consistency of values, supporting documentation related to the conclusion reached and compliance with TxDOT/COUNTY policies and procedures and the Uniform Standards of Professional Appraisal Practices.
___	___	c) Prepare and submit to TxDOT the Form ROW-RTA-10 "Tabulation of Values", for each appraisal.

Services Provided By:
ENGINEER COUNTY

d) The cost of the review appraiser appearing as an expert witness for testimony at special commissioners hearing must be included in the proposed fee schedule for the review appraiser. The cost of the appraiser's expert witness testimony for trial is not part of this contract, and shall be paid by the COUNTY.

5) APPRAISAL UPDATES

a) Prepare complete appraisal update for the parcel to be acquired utilizing TxDOT Form No. ROW-A-5, which will be furnished to the provider by TxDOT. These reports shall conform to COUNTY/TxDOT policies and procedures along with the Uniform Standards of Professional Appraisal Practices.

b) As necessary, prepare written notification to COUNTY/TxDOT of any environmental concerns associated with the right of way to be acquired which could require environmental remediation. All completed appraisals will be administratively reviewed by L&G Engineering Right of Way Office and recommended for approval by TxDOT.

c) As necessary, the appraiser will appear or testify as an Expert Witness in eminent domain proceedings and be available for pre-hearing or pre-trial meetings as directed by the TxDOT/COUNTY.

d) The cost of the appraiser appearing as an expert witness for testimony at special commissioners hearing must be included in the proposed fee schedule for the appraiser. The cost of the appraiser's expert witness testimony for trial is not part of this contract, and shall be paid by the COUNTY.

e) As necessary, the appraiser will coordinate with the review appraiser regarding corrections and/or additional information that may be required.

6) NEGOTIATION, TASKS AND FEES

a) Analyze appraisal and appraisal review reports and confirm the TxDOT's approved value prior to making offer for each parcel.

b) Analyze preliminary title report to determine potential title problems, propose methods to cure title deficiencies.

c) Prepare the initial offer letter, instruments of conveyance, and any other documents required or requested by COUNTY /TxDOT on applicable COUNTY /TxDOT forms.

d) Mail (Certified Mail Return Receipt Requested) initial offer letter, draft deed, Bill of Rights Brochures and Appraisal Reports to address confirmed with the Appraisal District of Hidalgo County. Maintain follow-up contacts and secure the necessary instruments upon acceptance of the offer for the closing.

e) Provide a copy of the appraisal report for the subject property exclusively to the property owner or authorized representative at mailing of initial offer. Maintain original signed Receipt of Appraisal. (unless property owner refuses to sign it).

f) Respond to property owner inquiries verbally and in writing within two business days.

g) Prepare a separate negotiator contact report for each parcel per contact.

Services Provided By: ENGINEER	COUNTY	
____	____	h) Maintain parcel files of original documentation related to the purchase of the real property or property interests.
____	____	i) Advise property owner on the Administrative Settlement process. Transmit to TxDOT any written counter offer from property owners including supporting documentation, and provider recommendation with regard to Administrative Settlements in accordance with COUNTY /TxDOT policy and procedures.
____	____	j) Prepare final offer letter, documents of conveyance as necessary.
____	____	k) Appear and provide Expert Witness testimony as an Acquisition Provider when requested.
____	____	l) Meet at the L&G Engineering ROW office in Mission once per week as agreed-upon with the Right of Way Acquisition Manager/Administrator.
____	____	m) Provide a monthly progress report per parcel by the 25th of the month with invoice.
____	____	n) The consultant shall, as part of this proposal, estimates 10% of the parcels identified on Page 37 may end up in condemnation. The consultant shall be available for any meeting/hearings as requested by the COUNTY Attorney.
		7) CLOSING SERVICE FEES
____	____	a) Coordinate with COUNTY and Title Company to obtain an updated title commitment along with other Forms and certified copy of the instrument of conveyance necessary when requesting the Parcel Payment from the COUNTY.
____	____	b) Acquisition Provider shall attend closings and provide closing services in conjunction with Title Company.
____	____	c) Acquisition Provider shall record all original instruments immediately after closing at the respective County Clerk's Office, except for donations which must be forwarded to TxDOT for acceptance by the Texas Transportation Commission.
		8) RELOCATION ASSISTANCE SERVICES (separate Work Authorization will be issued once relocations have been identified, unless noted otherwise).
____	____	a) The amount of relocations or displacements as identified. L&G will provide relocation advisory services. L&G will compute replacement housing supplements (owner occupant and/or tenants)
____	____	b) L&G will provide advisory services to business displacements and relocate them effectively.
____	____	c) TxDOT will review, approve and pay for all relocation costs as per the Agreement.
		9) CONDEMNATION SUPPORT
____	____	a) Pre-Hearing Support i) Upon receipt of a copy of the final offer, request an updated title commitment for Eminent Domain from the Title Company. ii) Prepare a Bisection Clause for the original set of Legal Descriptions supplied by Surveyor if applicable iii) Use the information from the Title Commitment to join all interested parties on the necessary forms. Spouses of owners must also be joined.

Services Provided By:
ENGINEER COUNTY

iv) Upon completion of the necessary forms, prepare a packet containing 2 copies each of the following documents: Title Commitment, Negotiator's Reports, Appraisal Acknowledgment, Preappraisal Contact Sheet, signed and sealed property description, and plat, Final Offer Letter, any correspondence from the land owner or representatives, along with one copy of the appraisal report. Submit packet to the COUNTY Office for submission to the COUNTY Attorney's office.

v) Upon receipt of concurrence for the Appraisal Witness, request the update of appraisal.

vi) Upon receipt of packet prepared by the COUNTY Attorney which will include Petition for Condemnation, Lis Pendens, Order Appointing Special Commissioners, Order Setting Hearing, Oath of Special Commissioner, and Notice of Hearings, developed by the COUNTY Attorney; the attorney shall file the original petition with the COUNTY Court at Law or other appropriate Court for a cause number to be assigned.

vii) The COUNTY attorney shall file the Lis Pendens including the cause number with the COUNTY Clerk's Office.

viii) Upon assignment of a court, the COUNTY Attorney shall file the Order Appointing Commissioners with the judge retaining a copy of the Order for the files.

ix) Following appointment of Special Commissioners by the judge, the COUNTY shall secure the following documents: Oath of Commissioners signed by the Commissioners, Order Setting Hearing, 2 copies of the Notice of Hearing signed by the Commissioners.

x) The COUNTY shall file all originals with the court and send copies marked "copy" to L & G Engineering.

xi) The COUNTY Attorney shall send a copy of the petition to the Title Company so that the Title Company can make sure the appropriate parties were joined and that no changes in title have occurred.

xii) The COUNTY Attorney shall set the Special Commissioners Hearing after the updated appraisal has been submitted, if there is no change in value. If there is an increase in value, COUNTY will approve the new value and the COUNTY's provider will present a revised offer and a final offer letter and submit a copy of the final offer letter.

xiii) The COUNTY Attorney shall coordinate a pre-hearing conference prior to the hearing (the day before or earlier) to discuss facts of the case with the COUNTY, Appraiser, and Negotiator.

xiv) After the hearing is set, the COUNTY Attorney shall serve Notices of Hearing to the indicated parties at least 11 days prior to the Commissioner's hearing. If it is necessary to join the Federal Government, be advised that they have an additional 60 days to prepare for the Hearing.

xv) Once the notices have been served, the COUNTY Attorney shall file the original notices with the court and send copies stamped "copy" to L&G Engineering ROW Office.

xvi) The COUNTY's Attorney shall send a reminder letter 2-3 weeks in advance to the COUNTY Administration offices, Acquisition Provider, the three special commissioners and court reporter concerning Hearing dates.

___ ___ b) Post Hearing Support (by COUNTY Attorney)

i) For the hearing, prepare the necessary forms and Special Commissioners time sheets and submit forms to Hidalgo COUNTY clerk's office.

ii) Obtain the signatures of Special Commissioners on the Award of Commissioners and file with the court for the judge's signatures within 48 hours of the Hearing.

iii) Give timesheets to Judge. The amount paid to the Special Commissioners is determined by the Judge.

iv) Obtain and distribute 3 certified copies of the award as follows: 1 certified copy to the title company with a request for a commitment, 1 certified copy to the COUNTY, 1 certified copy to L&G Engineering with the Commitment to request the warrant in the amount of the Special Commissioners Award.

v) Send the Commitment and the Award to COUNTY, along with individual special commissioner's billing requesting the payment for their fees.
vi) File COUNTY warrant in the registry of the court. File a Notice of Deposit with the court and send certified copies to each defendant notifying them of the date of the deposit. The Date of Deposit is the Date of Take.
vii) Take photograph of the interest to be acquired (if necessary) on the day of deposit for relocation verification.
viii) Send written notices of the date of deposit to the COUNTY Administration office and all interested parties.
ix) Appear as Expert Witness as requested. Sub-contractors must also appear as Expert Witnesses as requested.
x) All acquisition negotiations file indicating all "due diligence" provided by the Acquisition Provider will be directed to the COUNTY Attorney's office for his further handling in accordance to the Eminent Domain process by the COUNTY.

10) COMPENSABLE UTILITIES

Utility Accommodation is an integral factor in road construction and design. Coordination of utility adjustments is a necessary function within planning, design, acquisition and construction and requires the administration of property rights issues, utility policy, and reimbursement of eligible utility adjustments. It includes the following tasks:

___ ___ a) Preliminary Design Consultations
i) Conduct Field Investigation and review Certificate of Convenience and Necessity boundaries to identify utility providers within the project area. Communications through letter, phone calls and email to establish a contact list. Coordinate data gathering by surveyors and design team. Introduce project to utility providers.

___ ___ b) Field Observations and Verifications
i) Provide maps to Utility providers to "redline" and identify conflicts. Coordinate exposures and data collection by surveyor. Provide and confirm utility data on project maps. Order Utility Location Service.

___ ___ c) Exchange of Information with Utility Providers
i) Provide project schedule.
ii) Request schedules for utility adjustments.
iii) Identify who is responsible for utility process.

___ ___ d) Confirmation of Property Interests
i) Request Documents.
ii) Coordination of data on maps and citation of property interest documents.
iii) Confirm utilities are within easements.

___ ___ e) Coordination of Agreements
i) Identify utilities that are compensable.
ii) Determine parties and agreements necessary to complete compensable process.
iii) Coordinate execution and processing of Standard Utility Agreements.

___ ___ f) Utility Meetings throughout project development
i) Set up and coordinate utility meetings during planning, design, acquisition and construction phases.
ii) Attend and participate in meetings by other parties.

11) PAYMENT SCHEDULE

___ ___ a) Project Administration
i) Payment and Milestones
(a) Full Project Office
(1) Lump Sum Basis (assume 1 year project presence)

(2) Initial payment of 25% upon establishment of a project office with functional phone and utility services.
(3) Remainder paid out in equal monthly installments of 15% starting the following month.
(4) Monthly billing to COUNTY OF HIDALGO will be required.

b) Title Services
ii) Payment
(a) Per Parcel basis.
iii) Milestones
(a) 100% upon securing initial title commitment.

c) Appraisal Services
i) Payment
(a) Per Parcel Basis
ii) Milestones
(a) 100% paid upon delivery of complete and acceptable appraisal report

d) Appraisal Review
i) Payment
(a) Per Parcel Basis
ii) Milestones
(a) 100% upon submission of ROW-A-10

e) Appraisal Update
i) Payment
(a) Per Parcel Basis
ii) Milestones
(a) 100% upon delivery of complete and acceptable appraisal update.

f) Negotiation, Task, and Fees
i) Payment
(a) Per Parcel Basis
ii) Milestones
(a) 80% upon presentation of initial offer.
(b) 20% upon successful negotiation and all instruments are recorded.

g) Closing Service Fees
i) Payment
(a) Per Parcel Basis
ii) Milestones
(a) 100% upon recordation of instrument of conveyance.

h) Relocation Assistance
i) Payment
(a) Per Relocation
ii) Milestones
(a) 100% upon issuance of 90-day vacancy letter.

i) Compensable Utilities
i) Payment
(a) By percent complete

ADDITIONAL RESONSIBILITIES

Easements, Letters of Permission, Etc.

The ENGINEER shall be responsible for delineating easements. The ENGINEER will be responsible for securing the necessary legal instruments.

Coordination of Utilities

The ENGINEER shall furnish the COUNTY prints of a project layout which will be distributed by ENGINEER to various utility companies to determine which utilities are in the limits of the project. These shall be preliminary layouts. Upon completion of the preliminary drainage plans and U&D sheets, the ENGINEER shall distribute to the various utility companies and request return. Upon return of these prints, the ENGINEER will schedule a meeting with the various utility companies to discuss potential conflicts and conformance with the State's Utility Accommodation Policy. The ENGINEER is responsible for coordination with the various utility companies for exposing potential conflicts and field ties to uncover utilities in potential conflict areas.

Meetings

Meetings will be held with the FHWA, State Officials, local governments, property owners, utility owners, railroad companies, other consulting firms, etc., as needed or required by the COUNTY. The ENGINEER shall coordinate through the COUNTY for the development of this project with any local entity having jurisdiction or interest in the project (i.e., city, county, etc).

Specifications, Special Provisions, Special Specifications

Use the State's standard specifications or previously approved special provisions and/or special specifications. If a special provision and/or special specification is developed for this project, it shall be in the State's format and incorporate references to approved State test procedures.

Project Manager/Engineer Communication

The ENGINEER shall designate one Texas Registered Professional Engineer to be responsible throughout the project for project management and all communications, including billing, with the COUNTY's Director. Any replacements to the ENGINEER's designated Project Manager/Engineer must be approved by the COUNTY.

Engineering documents produced for the department's engineering projects shall be signed, sealed and dated or CADD sealed in accordance with Administrative Order No. 5-89 and Administrative Circular No. 26-91.

Design Responsibilities

The ENGINEER is responsible for design errors and/or omissions that become evident before, during or after construction of the project. The ENGINEER's responsibility for all questions arising from design errors and/or omissions will be determined by the COUNTY and all decisions shall be final and binding. This would include, but not necessarily be limited to:

1. All design errors and/or omissions resulting in additional design work to correct the errors and/or omissions.
2. Preparation of design documents and detail drawings necessary for a field change due to design errors and/or omissions.
3. Revision of original tracings to the extent required for a field change due to design errors and/or omissions.

The ENGINEER shall promptly make necessary revisions or corrections resulting from the ENGINEER's errors, omissions or negligent acts without additional compensation. Acceptance of the work by the COUNTY will not relieve the ENGINEER of the responsibility for subsequent correction of any such errors or omissions or for clarification of any ambiguities.

Document and Information Exchange

Data, Plan Sheets, General Notes and/or Specifications provided to the COUNTY shall be furnished on 8GB USB flash drives. Each 8 GB flash drive shall have a file titled Table of Contents. The Table of Contents shall indicate the locations of files within the directory structure of the documentation.

General Notes and specifications shall be provided in MS Office 2007 format. Plan sheets shall be provided in Microstation DGN or GEOPAK GPK format. PDF copies of plan sheets shall also be provided.

Two copies of the documentation shall be provided to the COUNTY.

If required, the ENGINEER shall provide to the COUNTY, a CD that contains all the plan sheets for the project. The graphics tape shall be compatible with the COUNTY's computer system.

CD Tape Required (YES or NO): YES

Proposal Time

The time indicated in the proposal and the contract shall include time necessary for reviews, approval, etc.

Office Location

The ENGINEER will perform the services to be provided under this agreement out of their office or offices listed below:

Service	Office Location
PS&E	Mission Office
Schematic	Mission Office
Environmental Document	Mercedes Office

The work effort will be managed out of the Mercedes (City) office located at 2100 West Expressway 83 (Address), Mercedes (City), Texas (State).

APPENDIX A - PLAN SHEET SEQUENCE PROCEDURE

1. Title Sheet
   Detailed Index of Sheets

2. Typical Sections

3. General Notes and Specifications Data

4. Estimate and Quantity Sheets

5. Storm Water Pollution Prevention Plan (SW3P) Sheets

6. Traffic Control Plans
   a. Sequence of Construction Layouts
   b. Detour Plan/Profile/Typical Sections/Quantities

7. Roadway Layouts
   a. Roadway Plan/Profile Sheets
   b. Intersection Plan/Profile Sheets
   c. Intersection Layouts
   d. Alignment Layouts/Data
   e. Ramp Layouts/Profiles
   f. Connection Roads/U-turns Layouts/Profile

8. Roadway Details
   a. Concrete Pavement Details/Standards
   b. Concrete Pavement Terminal Anchorage Details/Standards
   c. Bridge Approach Details/Standards
   d. Bridge Terminal Anchorage Details/Standards
   e. Roadway/Median Barrier Details/Standards
   f. Curb Details
   g. Driveway Details/Typical Sections/Standards

9. Signing Layouts and Marking Layouts

10. Traffic Signal Layouts

11. Lighting Layouts

12. Illumination Detail Standards (HMID, HMIF, HMIP, RID)

13. Utility Layouts/Profiles

14. Drainage Area Maps and Hydraulic Data
    a. General Drainage Area Maps
    b. Stage-Discharge Curves
    c. Main Cross-Drainage Culvert/Bridge Hydraulic Data
    d. Drainage Area Maps/Culverts/Storm Sewer
    e. Hydraulic Data/Culverts/Inlets/Storm Sewer/Pumps

15. Detailed Drainage Plans
    a. Drainage Plan/Profile Sheets (Storm Sewer Plan/Profile Sheets)
    b. Channel Plan/Profiles/Typical Sections
    c. Box Culvert Plan/Profile
    d. Pipe Sewer/Culvert Cross Sections

APPENDIX A - PLAN SHEET SEQUENCE PROCEDURE (Continued)

16. Drainage Structural Details/Standards
    a. Inlet Details/Standards
    b. Manhole Details/Standards
    c. Junction Box Details/Standards
    d. Safety End Treatment Details/Standards
    e. Box Culvert Details/Standards
    f. Culvert Wingwall Details/Standards
    g. Excavation-Backfill Diaphrams
    h. Riprap Details/Standards
    i. Temporary Pollution and Erosion Control Details

17. Pumphouse Layouts

18. Pumphouse Details

19. Pumphouse Standard Details

20. Bridge Layouts/Profile/Typical Sections*

21. Bridge Details*
    a. Summary of Bridge Quantities
    b. Abutments
    c. Interior Bents
    d. Spans
    e. Special details for the specific bridge

22. Bridge Standard Details*

23. Bridge Railing Standards

24. Retaining Wall Layouts/Profiles**

25. Retaining Wall Details**

26. Retaining Wall Standard Details**

27. Guard Fence/Standards and Signal Pole Standards

28. Signal/Electrical Details/Standards and Signal Pole Standards

29. Signing/Markers/Striping Details/Standards

30. Barricade/Construction/Beacon Standards

31. Miscellaneous Standards
    a. Chain Link Fence Standards
    b. Bridge End Detail/Standards
    c. Roadway Clearance Details/Standards
    e. Attenuator Standards

NOTE: Variations of these plan sheet sequence guidelines may be permitted if approved in writing by the County.

APPENDIX B - PLAN PREPARATION PROCEDURES

1. Title Sheet
   The ENGINEER shall be responsible for completing the title sheet as required and formatted by the STATE and as discussed in Part V of the Highway Design, Operations and Procedures Manual. Refer to Section K - Plans, 1 - Title Sheets, page 5-24, for the procedure to be used regarding all plans prepared by the ENGINEER.

2. Project Layout
   The project layout shall clearly depict the entire project as it is proposed and will usually be drawn at a scale of 1 inch=100 feet or 1 inch=200 feet, depending on the size of the project.

3. Typical Sections
   See Part IV of the Highway Design, Operations and Procedures Manual.

4. Sequence of Work Sheets (Traffic Control Plan)
   Clarity and completeness should be the rule to follow in preparing these sheets, with particular attention given to location of construction signs and barricades, lane widths, protection of drop offs, etc. For a reference guide use the Texas Department of Transportation, Texas Manual on Uniform Traffic Control Devices. Usual scale of 1 inch=100 feet and/or 1 inch=50 feet for special locations. A narrative sequence shall be included in the special provisions for the project. Staging of structural elements shall be considered. Provisions for drainage shall be considered, included and indicated during all stages of construction operations.

5. Removal Item Sheets
   These sheets indicate removal of existing facilities necessary to the proposed construction. (1 inch=40 feet) (use same scale as plan/profile sheets).

6. Summary Sheets
   Summary Sheets are required to indicate type, quantity and/or location of work for individual items of the proposed project.

7. Alignment Layout Sheets
   These sheets indicate the horizontal alignment with curve data and coordinates usually tabulated thereon. On some projects, depending on size, this information may be included on the plan profile sheets. Usual scale (1 inch=100 feet) or (1 inch=40 feet).

8. Plan Profile Sheet
   Clarity and completeness should be the rule to follow in preparation of these sheets. Usual scale (1 inch=40 feet or 1 inch=50 feet) or (1 inch=20 feet), depending on project complexity.

9. Drainage Area Maps
   Usual scale (1 inch=100 feet) and/or (1 inch=200 feet) supplemented by large scale area maps as necessary.

10. Drainage Plan Profile Sheets
    These sheets may be required on some projects to clearly depict location of inlets, storm sewer lines, and profile of storm sewer lines and laterals. Usual scale (1 inch=40 feet or 1 inch=50 feet) or (1 inch=20 feet). Storm sewer design does include redesign of storm sewers imposed by utility constraints developing after initial reviews by the STATE and consequential redesign and adjustments.

11. Runoff, Inlet, Storm Sewer and Culvert Sheets
    Use standard sheets.

APPENDIX B - PLAN PREPARATION PROCEDURES (Continued)

12. Culvert Cross Sections and Details
District standard reproducible sheets can be furnished (one each) to the ENGINEER for modification of special designs.

13. Manhole and Inlet Details
District standard reproducible sheets can be furnished (one each) to the ENGINEER.

14. Miscellaneous Detail
Curb, Sidewalk, Driveways, etc.

15. Intersection Details

16. Marking Layouts and/or Details
Layouts of the entire project with markings depicted thereon. Usual scale 1:500 (1 inch=40 feet or 1 inch=50 feet). On some projects typical details might suffice.

17. Structural Details
Bridge layout sheets shall have the same horizontal and vertical scale. Usually (1 inch = 10 feet) (1 inch = 20 feet). Sections of existing and proposed structures usually have a scale of (1 inch = 5 feet). Elements of the bridge (abutments, bents, slabs, etc.) shall be detailed to a (1/2 inch = 1 foot) or (1/4 inch equals 1 foot) architect scale to provide clear legible drawings when reduced. Letters shall be a minimum size of 4 millimeters (5/32 inch) height for hand lettering and 140 for lettering by computer-aided design and drafting (CADD).

18. Overhead Sign Bridge Layouts
A maximum of four structures may be shown on each layout sheet. The reference to the appropriate overhead sign bridge (OSB) standard and the following requirements shall be shown on the layout:
(1) Drilled shaft size and length
(2) Soil strength used for design {indicate basis and boring(s) used}
(3) Design height
(4) Tower height
(5) Leg spacings and
(6) Design wind speed.
The wind speed design map need not be included in the project plans. Designation of tower member size and anchor bolt size shall not be shown. For OSBs which require special design, the design shall be in accordance with the AASHTO sign specifications (see Item 22 of References on page 49) and to the same loading requirements as for normal standard structures. Structures (special or standard) which will have changeable message signs shall be analyzed by the ENGINEER.

APPENDIX C - GENERAL PLAN CHECKLIST

Services Provided By: ENGINEER	COUNTY	
___	___	Title Sheet
___	___	Project Layout
___	___	Sequence of Work
___	___	Detour Layouts & Profiles
___	___	Construction Pavement Markings
___	___	Signing & Barricades
___	___	Construction Sign & Beacons
___	___	Typical Sections
___	___	Shaping & Finishing Sections
___	___	Slopes Adjacent to Shoulders
___	___	Estimate & Quantities
___	___	General Notes & Specification Data
___	___	Grading Summary
___	___	Miscellaneous Summaries (See following "SUMMARIES" heading)
___	___	Horizontal Curve Data & Alignment Layouts
___	___	Drainage Summaries
___	___	Structure Summaries
___	___	Erosion Control Summary & Details
___	___	Plan/Profile Sheets
___	___	Erosion Control Summary & Details
___	___	Pavement Contours
___	___	Superelevation Transition (If Required)
___	___	Grading Contours
___	___	Guard Fence Layouts
___	___	Storm Water Pollution Prevention Plans (SW3P)
___	___	Drainage Area Maps
___	___	Hydraulic Data
___	___	Drainage Sheets
___	___	Bridge Hydrology Sheets
___	___	Inlet & Manhole Details
___	___	Utility Support Details
___	___	Culvert Cross Sections & Details
___	___	Special Culvert Designs
___	___	Special Drainage Details
___	___	Chain Link Fence Locations
___	___	Ramp Details Sheet
___	___	Removal Item Sheet - Including detours
		(Shown in detour summary, No payment for removal; subsidiary to construction detours)
___	___	Pavement Details
___	___	Pavement Standard Modification for Concrete Shoulder
___	___	Concrete Pavement Continuously Reinforced (CPCR)
___	___	Concrete Pavement Contraction Design (CPCD)
___	___	Concrete Pavement Details - Jointed Reinforced (Steel Bars) (CPJR)
___	___	Bridge Approach Slab Details
___	___	Vehicle Attenuator Details
___	___	Miscellaneous Details
___	___	Wheelchair Ramps
___	___	Pavement Marking Details
___	___	Modified Standards
___	___	List of Standards
___	___	Permanent Signing Plans & Quantities

APPENDIX C - GENERAL PLAN CHECKLIST *(continued)*

Services Provided By: ENGINEER	COUNTY	
___	___	Permanent Lighting Plans, Quantities & Standards
___	___	Bridge Layout(s)
___	___	Bridge Details
___	___	Retaining Wall Layout(s)
___	___	Retaining Wall Details
___	___	Pumphouse Details
___	___	Underdrain Details (Retaining Walls)
___	___	Culvert Standards
___	___	Soil Profile
___	___	Temporary Traffic Signals
___	___	Design Cross Sections
___	___	Estimate
___	___	List of Standard Specification, Special Provisions & Special Specifications
___	___	Detour Special Provisions (If Required)
___	___	Construction Time Estimate
___	___	Critical Path Method (CPM)
___	___	Unit Price Documentation
Miscellaneous		
___	___	Conduit Requirements
___	___	Traffic signal Requirements
Summaries		**(ALL BELOW YES FOR ENGINEER AND NO FOR COUNTY UNLESS NOTED OTHERWISE)**
___	___	Salvaging and Placing Topsoil
___	___	Prepare ROW
___	___	Remove Old Structures
___	___	Scarify Existing Pavement
___	___	Remove Old Concrete Curb of Curb and Gutter (C&G)
___	___	Remove Old Concrete Pavement
___	___	Remove Old Concrete Riprap
___	___	Remove Metal Beam Guard Fence
___	___	Galvanized steel Beam Guard Fence (12Ga) (GSBGF)
___	___	Temporary Guard Fence (TEMPGF)
___	___	Summary of Concrete Flumes
___	___	Curbs
___	___	Adjust Manholes & Inlets
___	___	Underdrains
___	___	Base and Pavement
___	___	Large Structure
___	___	Concrete Riprap (RR8 & RR9)
___	___	Temporary Portable Concrete Barrier (PCBR)
___	___	Concrete Traffic Barrier
___	___	Vehicle Attenuator
___	___	Guard Rail Energy Absorbing Terminal (Great System)
___	___	Pavement Markings & Blast Cleaning (Thermoplastic)
___	___	Retaining Walls
___	___	Large Structure Summaries
___	___	Small Structure Summaries

APPENDIX C - GENERAL PLAN CHECKLIST *(continued)*

Services Provided By: ENGINEER	COUNTY	**Summaries** **(ALL BELOW YES FOR ENGINEER AND NO FOR COUNTY UNLESS NOTED OTHERWISE)**
___	___	Earthwork (Roadway & Channel) & Channel Details
___	___	Culverts
___	___	Detours
___	___	Seeding or Mulch Sod - Quantity Only
___	___	Inlet & Manholes
___	___	Sidewalks
___	___	Construction Pavement Markings
___	___	Driveways
___	___	Concrete Median
___	___	Storm Sewers
___	___	Head Walls & Safety End Treatments
___	___	Curb Openings
___	___	Manholes
___	___	Chain Link Fence, Remove & Replace Chain Link Fence
___	___	Remove & Relay Reinforced Concrete Pipe (RCP) or Pipe Sewer

Client: Hidalgo County

EXHIBIT "C"

PROJECT WORK SCHEDULE
Mile 3 Project
From FM 492 to FM 2221
Length = 6 miles

TASK AND DESCRIPTION	FIRM	2013				2014												2015												2016											
		SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Mile 3 Project																																									
SCHEMATIC																																									
Develop Schematic	L&G																																								
TxDOT Review & Revisions	TxDOT																																								
TxDOT Approval	TxDOT																																								
Revise to TxDOT & Public Meeting Comments	L&G																																								
ENVIRONMENTAL CLEARANCE																																									
Public Involvement	L&G																																								
Prepare Environmental Document	L&G																																								
Submit Final Draft Document	L&G																																								
Agency Review & Revisions	TxDOT																																								
Environmental Decision	TxDOT																																								
PS&E																																									
30% Completion	L&G																																								
60% Completion	L&G																																								
90% Completion	L&G																																								
TxDOT Approval	TxDOT																																								
ROW MAP																																									
Prepare ROW Map	L&G																																								
TXDOT Review & Revisions	TxDOT																																								
TxDOT Approval	TxDOT																																								
TXDOT RELEASE OF ROW																																									
Release (Dependent on Availability of Funds)	TxDOT																																								
ACQUISITION SERVICES																																									
ROW Acquisition	L&G																																								
PROPOSED LETTING																																									
Let Project (Est. Earliest Date: August 2015) (Dependent on Availability of Funds)	TxDOT																																								

L&G FUNCTION
ENVIRONMENTAL ASSESSMENT WORK
TXDOT FUNCTION

9:47 AM9/11/2013

EXHIBIT "D"
CONTRACT RATES

L&G Engineering
Transportation Consulting Engineers

Audited Overhead Rate FY 2012

Labor/Staff Classification	Hourly Base Rate	Contract Rate FY 13
Principal	$ -	$ -
Senior Project Manager	$ 68.00	$ 215.40
Senior Engineer	$ 53.00	$ 167.89
Project Engineer	$ 39.00	$ 123.54
Senior Environmental Scientist/Specialist	$ 43.00	$ 136.21
Design Engineer	$ 36.00	$ 114.04
ROW Administrator	$ 34.00	$ 107.70
ROW Negotiator	$ 31.00	$ 98.20
EIT	$ 26.00	$ 82.36
Senior Engineer Tech	$ 25.00	$ 79.19
Environmental Scientist/ Specialist	$ 25.00	$ 79.19
Engineer Tech	$ 24.00	$ 76.02
CADD Operator / GIS Analyst	$ 21.00	$ 66.52
Admin/Clerical	$ 18.00	$ 57.02
Biologist	$ 16.00	$ 50.68

Overhead Rate: 182.83%
Profit Rate: 12.00%

Other Direct Expenses:	Cost
Lodging	$85/night
Meals	$36/day
Mileage	$0.55/mile
Car Rental	$50.00/day
Air Travel (Coach/Business Class)	At Cost
8 1/2" X 11" copies	$1.00/sheet
11" X 17" copies	$1.50/sheet
11" X 17" Mylar	$2.00/sheet
Overnight Mail - Letter Size	$15.00/Each
Overnight Mail - Oversized Box	$25.00/Each

EXHIBIT "D-1"
ESTIMATED PROJECT FEE SCHEDULE
MILE 3 PROJECT

ROADWAY PROJECT:	MILE 3 PROJECT			FOR ACCOUNTING PURPOSES PERCENTAGE OF FUNDING BASED ON MILEAGE	
LIMITS SECTION 1:	FR: TOM GILL ROAD EAST TO FM 492				
LIMITS SECTION 2 :	FR: TOM GILL ROAD TO FM 2221				
EXISTING ROADWAY SECTION:	40' -- Rural				
EXISTING ROW WIDTH:	80 Varies and New Location				
PROPOSED ROADWAY SECTION:	4-lane urban for Section 1 2-lane rural for Section 2				
PROPOSED ROW WIDTH:	120ft				
ESTIMATED CONSTRUCTION COST Mile 3 SECTION 1...(@ $4.5 mil per mile)	$15,750,000.00			CITY	COUNTY
ESTIMATED CONSTRUCTION COST Mile 3 SECTION 2.....(@ $2.3 mil per mile)	$5,750,000.00				
LENGTH Mile 3 SECTION 1 :	3.5 Miles			~~0.83 MILE~~	~~2.67 MILE~~
LENGTH Mile 3 SECTION 2	2.5 Miles			~~1.12 MILE~~	~~1.38 MILE~~
ESTIMATED PROJECT COSTS	*STATE/MPO*	*HIDALGO CTY*			
WORK AUTHORIZATION NO. 1 (TO BE PAID FOR @ 100% COUNTY COST)				32.50%	67.50%
MILE 3 SECTION I & II (FROM FM 2221 EAST TO FM 492)					
PHASE I - EA, PUBLIC INVOLVEMENT, SCHEMATIC, HYDROLOGIC DESIGN					
Environmental Assessment with TxDOT		$ 160,000.00	$ 52,000.00	$ 108,000.00	
Public Involvement for Environmental Assessment and 1 Public Meeting		$ 57,600.00	$ 18,720.00	$ 38,880.00	
Archeological and Historical Research		$ 65,000.00	$ 21,125.00	$ 43,875.00	
Engineering Technical Support at Public Mtgs with Layouts etc		$ 31,500.00	$ 10,237.50	$ 21,262.50	
Schematic		$ 309,600.00	$ 100,620.00	$ 208,980.00	
Hydrological Map		$ 45,000.00	$ 14,625.00	$ 30,375.00	
Office Surveys for Schematic (Preliminary Ownership Identification and Property Rights)		$ 40,000.00	$ 13,000.00	$ 27,000.00	
Preliminary Compensable Utility Management Identification on Schematic		$ 70,000.00	$ 22,750.00	$ 47,250.00	
Update Schematic based on comments as provided by TxDOT/FHWA for schematic and EA update w/FHWA		$ 30,000.00	$ 9,750.00	$ 20,250.00	
Engineering Technical Support at Public Hearing with Layouts etc.		$ 22,500.00	$ 7,312.50	$ 15,187.50	
Public Involvement for 1 Public Hearing		$ 21,600.00	$ 7,020.00	$ 14,580.00	
Soil-Geotechnical of existing Subgrade & Pavement		$ 20,000.00	$ 6,500.00	$ 13,500.00	
SUB-TOTAL	$ -	$ 872,800.00	$ 283,660.00	$ 589,140.00	
WORK AUTHORIZATION NO. 2 (TO BE DETERMINED)					
MILE 3 SECTION I (FROM TOM GILL ROAD EAST TO FM 492)					
PHASE II- PS&E, ROW Map					
ROW Map (ESTIMATED 52 PARCELS)		$ 197,600.00			
Field Surveys for Design and Construction		$ 182,400.00			
PS&E Development		$ 1,102,500.00			
Engineering Fee to create 1 set of plans and submit through TxDOT		$ 66,000.00			
PS&E Development for OUTFALL(S)		$ 120,000.00			
Signal Design		$ 120,000.00			
Permitted Utilities Coordination	$ -	$ 90,000.00	$ -	$ -	
SUB-TOTAL		$ 1,878,500.00			
WORK AUTHORIZATION NO. 3 (TO BE DETERMINED)					
MILE 3 SECTION I (FROM TOM GILL ROAD EAST TO FM 492)					
PHASE II- ROW Acquisition & Compensable Utilities					
Right-of-Way Costs - Acq Services @ (est. 52 Parcels @ $13,800/Parcel Avg)		$ 717,600.00			
Estimated County Attorney Costs for Condemnation ($15,000/Parcel based on 20% total of parcels)		$ 156,000.00			
Compensable Utility Management Oversight (1-person for 10 months)		$ 180,000.00			
Roadway Right-of-Way Costs - (80/20)	$ 1,013,760.00	$ 253,440.00			
COMPENSABLE UTILITY COSTS (4 HIGH PRESSURE GASLINES FOR BUDGET PURPOSES)	$ 384,000.00	$ 96,000.00			
PHASE II- CONSTRUCTION OVERSIGHT					
ROADWAY CONSTRUCTION COST (97/3)	$ 15,277,500.00	$ 472,500.00			
TxDOT Construction Inspection (97/3)	$ 1,680,525.00	$ 51,975.00			
L&G Construction Management (18 Months)		$ 162,000.00			
SUB-TOTAL	$ 16,958,025.00	$ 2,089,515.00			
TOTAL	$16,958,025.00	$ 4,840,815.00			

Work Authorization No. 1 SECTION I & II	FY 13	$ 872,800.00	NOT ISSUED
Work Authorization No. 2 SECTION I (ONLY)	FY 14	$ 1,878,500.00	NOT ISSUED
Work Authorization No. 3 SECTION I (ONLY)	FY 15	$ 1,059,600.00	NOT ISSUED

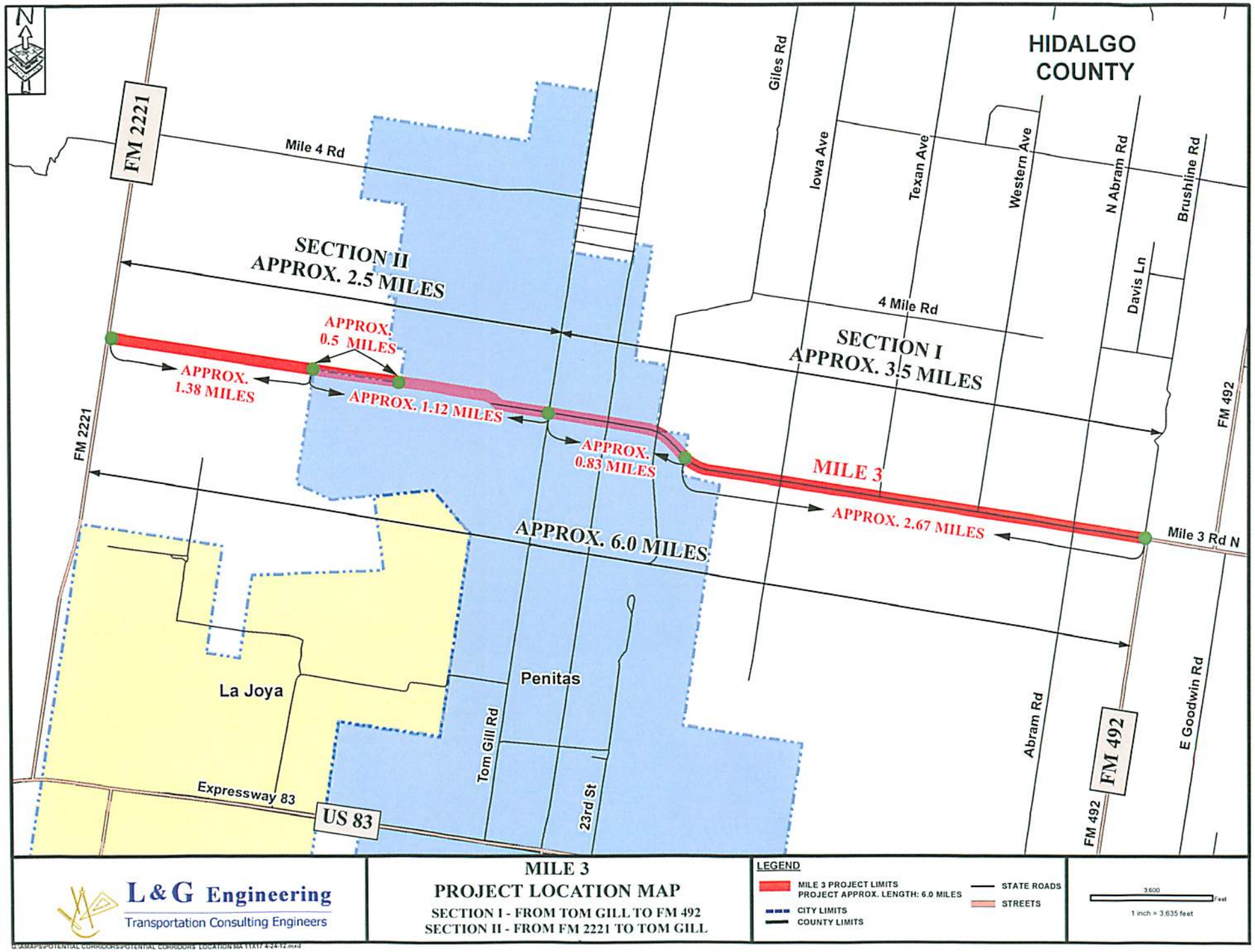
State Estimated Cost

Local Estimated Cost

TOTAL ESTIMATED COUNTY COST:	$	4,840,815.00
TOTAL ESTIMATED PROJECT COST:		$21,798,840.00
COUNTY COSTS NOT INCLUDED IN WORK AUTHORIZATIONS	$	1,029,915.00

THE COUNTY WILL ACQUIRE THE NEEDED PROPOSED RIGHT-OF WAY WITHIN THE CITY LIMITS IN THE NAME OF THE CITY.

10/7/2013


HIDALGO COUNTY
FM 2221
Mile 4 Rd
Giles Rd
Iowa Ave
Texan Ave
Western Ave
N Abram Rd
Brushline Rd
Davis Ln
FM 492
SECTION II
APPROX. 2.5 MILES
4 Mile Rd
SECTION I
APPROX. 3.5 MILES
APPROX. 0.5 MILES
APPROX. 1.38 MILES
APPROX. 1.12 MILES
APPROX. 0.83 MILES
MILE 3
APPROX. 2.67 MILES
Mile 3 Rd N
APPROX. 6.0 MILES
La Joya
Penitas
Tom Gill Rd
23rd St
Abram Rd
E Goodwin Rd
Expressway 83
US 83
FM 492
N
L&G Engineering
Transportation Consulting Engineers
MILE 3
PROJECT LOCATION MAP
SECTION I - FROM TOM GILL TO FM 492
SECTION II - FROM FM 2221 TO TOM GILL
LEGEND
MILE 3 PROJECT LIMITS
PROJECT APPROX. LENGTH: 6.0 MILES
CITY LIMITS
COUNTY LIMITS
STATE ROADS
STREETS
3,600 Feet
1 inch = 3,635 feet

HIDALGO COUNTY

Professional Engineering Services

Contract # C-_____

EXHIBIT "E"

Work Authorization Form

WORK AUTHORIZATION NO. ___

SAMPLE

THIS WORK AUTHORIZATION is made pursuant to the terms and conditions of Article I. of the Agreement made by and between HIDALGO COUNTY, action herein by and through the Commissioner's Court, hereinafter called the "Owner," and, L & G Consulting Engineers, Inc. *d/b/a* L & G Engineering, professional engineers of Mercedes, Texas, hereinafter called "Engineer".

PART 1. SCOPE OF WORK

The purpose of this Work Authorization is for the Engineer to provide _____
_____
_____
_____.

The scope of services to be provided by the Owner is identified in ***EXHIBIT "A" – Scope of Services to be Provided by the Owner*** attached hereto.

The scope of services to be provided by the Engineer is identified in ***EXHIBIT "B" – Scope of Services to be Provided by the Engineer*** attached hereto.

PART 2. ESTIMATED COST

The estimated cost for services under this Work Authorization is $_____. This amount is based upon the costs outlined in the Estimated Cost Proposal attached hereto as EXHIBIT "D".

PART 3. PAYMENT

Compensation and payment to the Engineer for the services established under this Work Authorization shall be made in accordance with Article 6 of the Agreement.

PART 4. FUNDING

This Work Authorization No.1 shall be funded through funding source:
Account No. _____
Requisition Number _____ (MUST BE INCLUDED AFTER CC APPROVAL)

PART 5. PERIOD OF SERVICE

This Work Authorization shall become effective on the date of final acceptance of the parties hereto, and terminate upon completion of scopes of the work authorization.

PART 6. RESPONSIBILITIES AND OBLIGATIONS

This Authorization does not waive the parties' responsibilities and obligations provided under the Agreement.

PART 7. ACKNOWLEDGEMENT AND CONFIRMATION

Acknowledgement and confirmation by Hidalgo County _____, Commissioner _____ as to content and detail of this Work Authorization No. 1.

HIDALGO COUNTY

BY:_____

SAMPLE

PART 8. ACCEPTANCE AND APPROVAL

This Work Authorization is hereby accepted, approved by Hidalgo County Commissioners' Court on _____ as indicated below and effective as of ____ day of _____, 2013.

THE ENGINEER:

_____

By: Jacinto Garza, P.E.
President

THE OWNER:
HIDALGO COUNTY

_____

By: Ramon Garcia, County Judge

ATTEST:

_____

By: Arturo Guajardo, Jr., County Clerk

LIST OF EXHIBITS

EXHIBIT "A" – Service to be provided by the Owner
EXHIBIT "B" – Services to be provided by the Engineer
EXHIBIT "C" – Work Schedule
EXHIBIT "D2" – Estimated Man-hour Breakdown

SAMPLE

EXHIBIT "F"

Supplemental Agreement Form

THE STATE OF TEXAS §
§
COUNTY OF HIDALGO §

SUPPLEMENTAL AGREEMENT NO. _____

TO AGREEMENT FOR PROFESSIONAL SERVICES

This **SUPPLEMENTAL AGREEMENT** is made pursuant to the terms and conditions of Article 8 of the Agreement made by and between **HIDALGO COUNTY**, acting herein by and through the **Commissioner's Court**, hereinafter called the "**Owner**", and _____, Professional Engineers of, _____, Texas, hereinafter called "**Engineer**".
WITNESSETH

WHEREAS, the **Owner** and the **Engineer** executed the **Agreement** on the ____ day of _____ 2013 concerning engineering for _____ (hereinafter referred to as the "**Project**"); and,

WHEREAS, Article ____ of the **Agreement**, (article title), establishes _____; and,

WHEREAS, it has become necessary to amend the contract to
_____
_____

A. AGREEMENT

NOW THEREFORE, premises considered, the **Owner** and the **Engineer** agree that said **Agreement** is amended as follows:

I. Article _____ of the **Agreement**, (article title), is revised to

_____
_____
_____
_____
_____

SAMPLE

All other provisions are unchanged and remain in full force and effect.

IN WITNESS WHEREOF, the Engineer and the Owner have caused this Supplemental Agreement to the Agreement for Professional Services to be executed as of the _____ day of _____, 2013.

THE ENGINEER:
ENGINEER

BY: _____

THE OWNER:
HIDALGO COUNTY

BY: _____
Ramon Garcia, County Judge

LIST OF EXHIBITS
(as required)

SAMPLE

EXHIBIT "G"
CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 07/17/2013

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME:	
The Risk Specialty Group LLC 4801 Woodway Drive Suite 300 East Houston TX 77056	PHONE (A/C, No, Ext): (713) 552-1900	FAX (A/C, No): (713) 513-5411
	E-MAIL ADDRESS: tlanders@riskspecialtygroup.com	
	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A : Valley Forge Insurance Company	
	INSURER B : Continental Insurance Company	
	INSURER C : Continental Casualty Insurance Co.	
	INSURER D : Endurance American Specialty Ins. Co.	
	INSURER E :	
	INSURER F :	

INSURED

L&G Engineering Laboratory, LLC
2100 W. Expressway 83
Mercedes TX 78570

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	GENERAL LIABILITY [X] COMMERCIAL GENERAL LIABILITY [ ] CLAIMS-MADE [X] OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: [ ] POLICY [X] PRO-JECT [ ] LOC			5095025836	07/19/2013	07/19/2014	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$1,000,000 $100,000 $5,000 $1,000,000 $2,000,000 $2,000,000
B	AUTOMOBILE LIABILITY [X] ANY AUTO [ ] ALL OWNED AUTOS [ ] SCHEDULED AUTOS [X] HIRED AUTOS [X] NON-OWNED AUTOS			5095025884	07/19/2013	07/19/2014	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$1,000,000 $ $ $
C	[X] UMBRELLA LIAB [X] OCCUR [ ] EXCESS LIAB [ ] CLAIMS-MADE [ ] DED [X] RETENTION $10,000			5095026016	07/15/2013	07/15/2014	EACH OCCURRENCE AGGREGATE	$1,000,000 $1,000,000
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y / N [ ] If yes, describe under DESCRIPTION OF OPERATIONS below	N/A		5095025920	07/23/2013	07/23/2014	[X] WC STATU-TORY LIMITS [ ] OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $1,000,000 $1,000,000 $1,000,000
D	Professional Liability "claims made"			PPL10004099100	07/19/2013	07/19/2014	Each Claim Limit Aggregate Limit	$2,000,000 $2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

Certificate holder is automatically included as additional insured on the General Liability & Automobile policies and provided with blanket waiver of subrogation in their favor on General Liability, Automobile & Workers Compensation as required by written contract.

CERTIFICATE HOLDER

Hidalgo County
2802 S Business Hwy 83

Edinburg, TX 78539

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE <CC>

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AI-41224 **Purchasing Department** **16. E. 1.**

CC REGULAR

Meeting Date: 10/22/2013

Submitted For: Marty Salazar **Submitted By:** Moises Salazar, PURCHASING DEPT.

Department: PURCHASING DEPT.

Information

CAPTION

Recommendation by project architect, Dannenbaum Engineering, for Commissioners' Court to award the Base Bid with Alternates 1 and 2 to lowest bidder meeting all specifications, NM Contracting, LLC in the total amount of $462,951.00 for the project: Hidalgo County Precinct No. 4 “Building Repairs/Renovations, Additions and/or Alterations to Restitution Center at 1124 "M" Road in Edinburg, TX” (Bid No. 2013-234A-10-09-MSS).

BACKGROUND

Fiscal Impact

FISCAL YEAR: 2013 **ACCT. #:** 3-1303-419-40-124-125-0-XXX

FUNDS AVAILABLE Y/N?: Y/Pending **MATCHING FUNDS Y/N?:**

BUDGETARY IMPACT:

Appropriation AI-41275 - $338,950.03

FISCAL YEAR: 2013 **ACCT. #:** 3-1342-419-40-124-125-0-XXX

FUNDS AVAILABLE Y/N?: Y/pending **MATCHING FUNDS Y/N?:**

BUDGETARY IMPACT:

Intradepartmental Transfer AI-41322

Balance in account after transfer will be $106,049.97

FISCAL YEAR: 2013 **ACCT. #:** 3-1200-431-00-124-007-0-XXX

FUNDS AVAILABLE Y/N?: Y/pending **MATCHING FUNDS Y/N?:**

BUDGETARY IMPACT:

Interdepartmental Transfer - AI-41323 for $17,951.00

Attachments

Bid Tabulation -Pct4 -Renovations to M Road Restitution Center

Bid Award Recommendation Pct 4

Project Architects award Recomm

Form Review

Inbox	Reviewed By	Date
Purchasing Department	Darlene Betancourt	10/18/2013 03:20 PM
Budget & Management	Obdett Calzada	10/18/2013 03:23 PM
Roland Garcia	Rolando Garcia	10/18/2013 03:41 PM

HIDALGO COUNTY PURCHASING DEPARTMENT
BID TABULATION SHEET

BID NUMBER: **2013-234A-10-09-MSS**

Project Name: **"Building Repairs/Renovations, Additions and/or Alterations to Restitution Center at 1124 "M" Road in Edinburg, TX"**

Department: **Hidalgo County Precinct No. 4**

Bid Opening Date and Time: **Wednesday, October 09, 2013 At 3:00 PM**

No.	NAME OF COMPANY	BASE BID	ADD ALT 1	ADD ALT 2	ADDENDUMS 1			BID BOND	TOTAL
1	Rx Technology,	$ 23,833.00			N			N	$ 23,833.00
2	CAS Companies, LP	$ 533,000.00	$ 86,650.00	$ 41,000.00	Y			Y	$ 660,650.00
3	J-Con Construction, LLC	$ 369,500.00	$ 82,500.00	$ 36,000.00	Y			Y	$ 488,000.00
4	Pietra Construction	$ 390,000.00	$ 89,000.00	$ 37,500.00	Y			Y	$ 516,500.00
5	5 Star Construction	$ 403,700.00	$ 68,000.00	$ 34,000.00	Y			Y	$ 505,700.00
6	Tri-Gen Construction, LLC	$ 687,000.00	$ 80,000.00	$ 30,000.00	Y			Y	$ 797,000.00
7	NM Contracting, LLC	$ 385,000.00	$ 60,000.00	$ 17,951.00	Y			Y	$ 462,951.00
8									
9									
10									

Zimbra **moises.salazar@co.hidalgo.tx.us**

M Road Renovations

From : Jose Ochoa <jose.ochoa@co.hidalgo.tx.us> Mon, Oct 14, 2013 09:05 AM

Subject : M Road Renovations 1 attachment

To : Moises Salazar <moises.salazar@co.hidalgo.tx.us>

Cc : Joseph Palacios <joseph.palacios@co.hidalgo.tx.us>, Marcos Lopez <marcos.lopez@co.hidalgo.tx.us>, Maria Lucio <maria.lucio@co.hidalgo.tx.us>, Veronica Lopez <veronica.lopez@co.hidalgo.tx.us>, Steve McGarraugh <steve.mcgarraugh@dannenbaum.com>, Martha Salazar <martha.salazar@co.hidalgo.tx.us>, Leticia Saenz <leticia.saenz@co.hidalgo.tx.us>

Good Morning Moises,

It is Precinct 4's intention to award the bid to NM Contracting for the base bid and to include both alternates for the "M" Road building. Can you please begin to prepare the agenda item to award the bid at commissioners court. We are meeting with budget today to create the account number. Once account number is identified, I will forward it to you once received. Please call me with any questions or concerns at (956) 648-1245. Thanks.

Jose Ochoa
Right of Way Agent
P 956.383.3112 Ext. 4016
F 956.381.5905

PCT4_Logo.png
25 KB

DANNENBAUM ENGINEERING COMPANY - MCALLEN LLC
1109 NOLANA LOOP, SUITE 208 McALLEN, TEXAS 78504 (956) 682-3677

October 16, 2013

Hidalgo County Purchasing Department
2802 South Business Highway 281
Edinburg, Texas 78539

ATTN: *Ms. Martha Salazar*
Purchasing Department Director

REF: *Restitution Center Renovation*

SUBJ: *Contractor Recommendation*

Dear Ms. Salazar,

Dannenbaum has reviewed the bid packets received for "Rebid Building Repairs/Renovations, Additions and/or Alterations to Restitution Center located at 1124 "M" Road, Edinburg, Texas, RFB No: 2013-234A-10-09-MSS". We have attached the Bid Tabulation Sheet herewith. The apparent low bidder including Add Alternates Number 1 and Number 2 is NM Contracting, LLC of McAllen, Texas with a base bid of $385,000 and total bid of $462,951. The second low bid was J-Con Construction of Palmview, Texas with a base bid of $369,500 and a total bid of $488,000.

Dannenbaum has reviewed the bid documents and project references for NM Contracting as well as J-Con and it is Dannenbaum's opinion that NM Contracting meets the bid requirements as set forth for the referenced project.

It is Dannenbaum's opinion that NM Contracting, LLC of McAllen, Texas has met the requirements of the bid process and is qualified to enter into a contract in the amount of $462,951.00. Should you have questions regarding this subject, please contact me at (956) 682-3677.

Respectfully,
Dannenbaum Engineering Company - McAllen, LLC

Steven L. McGarraugh, AIA
Project Representative

Attachments: Bid Tabulation Sheet for Bid No. 2013-234A-10-09-MSS

cc: Richard D. Seitz, P.E. Dannenbaum Engineering Company - McAllen, LLC

G:\1540\4525-04 - HC Precinct 4 New Restitution Center Remodel\Bid Phase Services\Corr- SMcGarr to MSalazar (20131018) Contractor Recommendation.docx

HIDALGO COUNTY PURCHASING DEPARTMENT
BID TABULATION SHEET

BID NUMBER: 2013-234A-10-09-MSS

Project Name: "Building Repairs/Renovations, Additions and/or Alterations to Restitution Center at 1124 "M" Road in Edinburg, TX"

Department: Hidalgo County Precinct No. 4

Bid Opening Date and Time: Wednesday, October 09, 2013 At 3:00 PM

No.	NAME OF COMPANY	BASE BID	ADD ALT 1	ADD ALT 2	ADDENDUMS 1			BID BOND	TOTAL
1	Rx Technology,	$ 23,833.00			N			N	$ 23,833.00
2	CAS Companies, LP	$ 533,000.00	$ 86,650.00	$ 41,000.00	Y			Y	$ 660,650.00
3	J-Con Construction, LLC	**$ 369,500.00**	$ 82,500.00	$ 36,000.00	Y			Y	$ 488,000.00
4	Pietra Construction	$ 390,000.00	$ 89,000.00	$ 37,500.00	Y			Y	$ 516,500.00
5	5 Star Construction	$ 403,700.00	$ 68,000.00	$ 34,000.00	Y			Y	$ 505,700.00
6	Tri-Gen Construction, LLC	$ 687,000.00	$ 80,000.00	$ 30,000.00	Y			Y	$ 797,000.00
7	NM Contracting, LLC	$ 385,000.00	**$ 60,000.00**	**$ 17,951.00**	Y			Y	**$ 462,951.00**
8									
9									
10									

AI-40062 **Purchasing Department 16. F. 1.**

CC REGULAR

Meeting Date: 10/22/2013

Submitted For: Martha Salazar **Submitted By:** Elena Gomez, PURCHASING DEPT.

Department: PURCHASING DEPT.

Information

CAPTION

Requesting approval of agreement(s) if applicable for "Computer Assisted Investigative On-line Research Services" with West a Thomson Reuter Business for Hidalgo County thru RFSQ 2013-232-07-31-MEG, for 1 User - Constable Pct 4 (1st Year) 120.00 per month (2nd Year) 126.00 per month (3rd Year) 132.30 per month.

BACKGROUND

Agreement is for 36 months

Fiscal Impact

FISCAL YEAR: 2013 **ACCT. #:** 3-1100-421-00-294-001-0-342

FUNDS AVAILABLE Y/N?: Y **MATCHING FUNDS Y/N?:** N

BUDGETARY IMPACT:

Funds available as of 10/17/13.

Attachments

Legal's Approval

Agreement

Participating Log, Recommendation Memo, Quote Sheet

Form Review

Inbox	Reviewed By	Date
Purchasing Department	Darlene Betancourt	10/10/2013 08:17 AM
Budget & Management	Obdett Calzada	10/10/2013 01:49 PM
Glinda Pacheco	Glinda Pacheco	10/17/2013 02:04 PM
Auditor's Office	Monica Badillo	10/18/2013 04:51 PM

Form Started By: Elena Gomez Started On: 08/06/2013 03:01 PM

Final Approval Date: 10/18/2013

Zimbra **elena.gomez@co.hidalgo.tx.us**

Fwd: West documents

From : Darlene H. Betancourt <darlene.betancourt@co.hidalgo.tx.us> Tue, Oct 08, 2013 08:38 AM

Subject : Fwd: West documents

To : Elena Gomez <elena.gomez@co.hidalgo.tx.us>

Ms. Elena

As per our conversation, see below approval from Mr. Crain's office related to the West Publishing

Respectfully,

Darlene H. Betancourt, CPPB
Hidalgo County Purchasing Department
2808 S. Business Highway 281
Edinburg, TX. 78539

Phone: 956-292-7000 x-4852
Fax: 956-292-7612

website: www.co.hidalgo.tx.us/purchasing

From: "Steve Crain" <scrain@atlashall.com>
To: "Darlene H. Betancourt" <darlene.betancourt@co.hidalgo.tx.us>
Sent: Monday, October 7, 2013 3:20:51 PM
Subject: RE: West documents

That will work.

From: Darlene H. Betancourt [mailto:darlene.betancourt@co.hidalgo.tx.us]
Sent: Monday, October 07, 2013 3:11 PM
To: Steve Crain
Cc: Elena Gomez
Subject: Fwd: West documents

Good Afternoon Mr. crain

Pursuant to your previous comments and recommendations, West Publishing has made some of the changes, however, we are pending your final approval attached agreement from West Publishing for on-line investigative research services for HIDTA.

Respectfully,

THOMSON REUTERS

Government Accounts Only

Addendum to West Order Form – CLEAR Services

Subscriber: **Hidalgo County Constable, Precinct 4**

Account #: _____

Date of Order Form/Order Notification: _____

1. **Effect of Addendum**. The underlying Research Subscriber Agreement (a copy current as of the date of this Addendum is attached hereto), West Order Form – CLEAR Services and Schedule A (collectively the "Subscriber Agreement"), between Subscriber and West is amended as specifically set forth herein to incorporate the terms of this Addendum. As amended, the Subscriber Agreement shall remain in full force and effect according to its terms and conditions. All terms used in this Addendum shall have the meanings attributed to them in the Subscriber Agreement. This Addendum supersedes any and all prior understandings and agreements, oral or written, relating to the subject matter. In the event there is a conflict between the terms and conditions of the Subscriber Agreement and the terms and conditions of this Addendum, the terms and conditions of this Addendum shall control.

2. **Modification of Order Form - Non Availability of Funds**. If Subscriber fails to receive sufficient appropriation of funds or authorization for the expenditure of sufficient funds to continue service under the Order Form, or if Subscriber receives a lawful order issued in or for any fiscal year during the Minimum Term or Renewal Term of the Order Form that reduces the funds appropriated or authorized in such amounts as to preclude making the payments set out therein, Subscriber may submit a written notice to West seeking cancellation of the service, the Subscriber Agreement and the Order Form, if permitted under applicable law. Subscriber shall provide West with notice not less than thirty (30) days prior to the date of cancellation, and shall include a written statement documenting the reason for cancellation, including the relevant statutory authority for cancelling, and an official document certifying the non-availability of funds (e.g., executive order, an officially printed budget or other official government communication). Upon West's receipt of a valid cancellation notice, Subscriber shall pay all charges incurred for any products and/or services received prior to the effective date of the cancellation (and in the case of print/CD-ROM products, return all unpaid print/CD-ROM products and updates).

3. **Termination – Right to Terminate after One Year**. Subscriber may, at its option and upon 30 days prior written notice to the other party, terminate this Subscriber Agreement after twelve months with such termination effective on the first day of the month following such 30 days.

4. **Modification to General Provisions on Order Form**. The first and second sentences of "General Provisions" on the fifth page of the form are deleted in their entirety and replaced with the following:

This Order Form is subject to approval by West Publishing Corporation ("West") in St. Paul, Minnesota and shall become effective upon verification by West of Subscriber's credentials and is governed by Texas law. The state and federal courts sitting in Texas will have exclusive jurisdiction over any claim arising from or related to this agreement.

5. **Modification to Paragraph 14. General Provisions of the Research Subscriber Agreement**. The first and second sentences of "General Provisions" are deleted in their entirety and replaced with the following:

This Agreement will be governed by and construed under the law of the state of Texas, U.S.A. without regard to conflicts of law provisions. The parties agree that the state and federal courts sitting in Texas will have exclusive jurisdiction over any claim arising out of this Agreement and each party consents to the exclusive jurisdiction of such courts.

Except as expressly provided herein, all other terms and conditions of the Subscriber Agreement will remain unchanged. Please have this document executed by an authorized representative of Subscriber and returned to West along with the Order Form.

.

West, a Thomson Reuters business	**Subscriber**
_____	Signed: _____
Accepted by: _____	Name (please print): _____
Title: _____	Title: _____
Date: _____	Date: _____

WEST ORDER FORM - CLEAR® SERVICES
610 Opperman Drive, P.O. Box 64833
St. Paul, MN 55164-1803
Tel: 651/687-8000

THOMSON REUTERS

REQUIRED

Check West account status below as applicable: Rep Name & Number Zach Hansen 0120718

New X (NACI Form attached)

Existing with no changes ____ Existing with changes ____ (Permanent name change must attach a Customer Name Change Form)

Does Subscriber have an existing West account?

☐ Yes If yes, please provide West account number ____

☐ No

Acct # ____ Quote # ____ PO # ____ Date 7-31-2013

Name/Subscriber Hidalgo County Constable, Precinct 4 Bill To Acct # ____

Order Confirmation Contact Name Eddie Guerra

E-Mail eddie.guerra@co.hidalgo.tx.us

CLEAR Contact Name (for delivery of Registration Keys. Individual users will also receive their Registration Keys if their e-mail addresses are provided) Eddie Guerra

E-Mail eddie.guerra@co.hidalgo.tx.us Telephone 956-383-8560

CLEAR Primary Account Contact Name (general business contact) Eddie Guerra

E-Mail eddie.guerra@co.hidalgo.tx.us Telephone 956-383-8560

IF NEEDED

Permanent Address Change ____ One-Time Ship To ____ Additional Ship To ____ Additional Bill To ____

Name ____ Attn: ____

Address ____ Suite/Floor ____

City ____ State ____ County ____ Zip ____

CLEAR Products

Full Svc #	CLEAR Products	# of Users/Alerts/Sentsat Subscriber's Location	Monthly Banded/ Base Rate	Per User Rate	Other	Total Monthly Charges
41010940	CLEAR Investigator	1				$110.00
41343514	CLEAR Alerts	25				$10.00

Notes:

Total Monthly Charges $ 120.00

Monthly charges ("Monthly Charges") are billed on the date West processes Subscriber's order and continue for a minimum of 12 complete calendar months ("Minimum Term"). If Subscriber elects a longer Minimum Term the Monthly Charges will be billed as set forth herein. In the event Subscriber is a corporation accessing CLEAR Services on its own behalf and on behalf of any government agency or entity, Subscriber must execute and submit to West separate agreements for each use case and be credentialed separately for each use case. Any additional users added to any existing Per User product licensed by Subscriber shall be tied to the Minimum Term of the underlying Order Form for such product(s).

____ **Subscriber's Initials for 24 Month CLEAR Minimum Term** Subscriber agrees to commit to a Minimum Term of 24 months and the Monthly Charges for the second 12 months not to increase by more than ____% over the Monthly Charges for the initial 12 months.

____ **Subscriber's Initials for 36 Month CLEAR Minimum Term** Subscriber agrees to commit to a Minimum Term of 36 months and the Monthly Charges for the second 12 months not to increase by more than 5 % over the Monthly Charges for the initial 12 months and Monthly Charges for the third 12 months not to increase by more than 5 % over the Monthly Charges for the second 12 months.

Non-Government Subscribers Only. Upon conclusion of the Minimum Term, the Subscriber Agreement (as defined herein) and this Order Form will automatically renew for consecutive 12-month periods ("Renewal Term"), and the Monthly Charges for the Renewal Term(s) will increase 7% per year unless either party gives written notice of cancellation to the other party at least 30 days in advance of any Renewal Term, including the first Renewal Term. Additionally, West may at its discretion provide Subscriber with notice at least 60 days in advance of any Renewal Term of a Monthly Charge increase different from 7% after which Subscriber shall have 30 days to provide West with written notice of cancellation if Subscriber does not wish to renew. Excluded Charges may be modified as set forth in the Subscriber Agreement. Subscriber is responsible for all Excluded Charges as incurred. During any Renewal Term, Subscriber's access to and use of CLEAR Services shall be governed by the Subscriber Agreement.

Government Subscribers Only. Upon conclusion of the Minimum Term, Monthly Charges are billed thereafter at up to then-current rates. Excluded Charges and Monthly Charges (after the Minimum Term) may be modified as set forth in the Subscriber Agreement (as defined herein). Subscriber is responsible for all Excluded Charges as incurred. After the Minimum Term, Subscriber's access to and use of CLEAR Services shall be governed by the Subscriber Agreement.

	CLEAR Batch Transactional	

Full Svc #	CLEAR Batch Products	# of Users	Other

Notes:

Access to CLEAR Batch shall begin on the date West processes Subscriber's Order and shall continue for a minimum of 12 complete calendar months thereafter ("Minimum Term"). Subscriber may elect a longer Minimum Term by his/her initials below. Monthly Charges for Subscriber's access to and use of CLEAR Batch shall begin when Subscriber first accesses CLEAR Batch and are subject to change as set forth in the Subscriber Agreement. During the Minimum Term and thereafter (including any Renewal Term) Monthly Charges for CLEAR Batch shall be billed at then-current Schedule A rates and are subject to change as set for the in the Subscriber Agreement.

Non-Government Subscribers Only. Upon conclusion of the Minimum Term, the Subscriber Agreement and this Order Form will automatically renew for consecutive 12-month periods ("Renewal Term") unless either party gives written notice of cancellation to the other party at least 30 days in advance of any Renewal Term, including the first Renewal Term. During any Renewal Term, Subscriber's access to and use of CLEAR Services shall be governed by the Subscriber Agreement.

Government Subscribers Only. Upon conclusion of the Minimum Term, Subscriber's access to CLEAR Batch shall continue at up to then current rates until terminated by either party upon 30 days written notice to the other party.

_____ **Subscriber's Initials for longer Minimum Term. Please check: ____ 24 or ____ 36 month Minimum Term.**

Office Use Only
OF instruct: Enter a discount of 100% - in the Condition Group 1 field on Additional Data A tab.

	CLEAR Windows	

Full Svc #	CLEAR Window Products	List	Other	Monthly Guarantee	# of Users	Monthly Window

Notes:

Monthly Charges are billed on the date West processes Subscriber's order and continue for 12 complete calendar months ("Minimum Term"). Subscriber may elect a longer Minimum Term by his/her initials below. Subscriber shall guarantee minimum Monthly Charges as set forth above ("Monthly Guarantee") regardless of Subscriber's actual usage. All CLEAR Charges shall be waived for Subscriber's actual usage in excess of the Monthly Guarantee through the window (the "Monthly Window") as set forth above. Subscriber shall pay all CLEAR Charges in excess of the Monthly Window as incurred, as well as all other applicable Monthly Charges. Monthly Charges may be modified as set forth in the Subscriber Agreement. Subscriber is responsible for all Excluded Charges as incurred. In the event Subscriber is a corporation accessing CLEAR Services on its own behalf and on behalf of any government agency or entity, Subscriber must execute and submit to West separate agreements for each use case and be credentialed separately for each use case. CLEAR Batch Window requests must be submitted at least five (5) business days prior to the end of a billing month in order to apply against the Monthly Guarantee or Monthly Window for such month.

_____ **Subscriber's Initials for 24 Month CLEAR Minimum Term** Subscriber agrees to commit to a Minimum Term of 24 months and the Monthly Guarantee for the [illegible]

_____ **Subscriber's Initials for 36 Month CLEAR Minimum Term** Subscriber agrees to commit to a Minimum Term of 36 months and the Monthly Guarantee for the second 12 months not to increase by more than _____% over the Monthly Guarantee for the initial 12 months and Monthly Guarantee for the third 12 months not to increase by more than _____% over the Monthly Guarantee for the second 12 months.

Non-Government Subscribers Only. Upon conclusion of the Minimum Term, the Subscriber Agreement and this Order Form will automatically renew for consecutive 12-month periods ("Renewal Term"), and the Monthly Guarantee for the Renewal Term(s) will increase 0% per year unless either party gives written notice of cancellation to the other party at least 30 days in advance of any Renewal Term, including the first Renewal Term. Additionally, West may at its discretion provide Subscriber with notice at least 60 days in advance of any Renewal Term of a Monthly Guarantee increase different from 0% after which Subscriber shall have 30 days to provide West with written notice of cancellation if Subscriber does not wish to renew. The Monthly Window shall remain unchanged. Excluded Charges may be modified as set forth in the Subscriber Agreement. Subscriber is responsible for all Excluded Charges as incurred. During any Renewal Term, Subscriber's access to and use of CLEAR Services shall be governed by the Subscriber Agreement.

Government Subscribers Only. Upon conclusion of the Minimum Term, the Monthly Charges will be billed thereafter at up to then-current rates, subject to the Monthly Guarantee. The Monthly Window shall remain unchanged. Excluded Charges and Monthly Guarantee (after the Minimum Term) may be modified as set forth in the Subscriber Agreement. Subscriber is responsible for all Excluded Charges as incurred. After the Minimum Term, Subscriber's access to and use of CLEAR Services shall be governed by the Subscriber Agreement.

Subscriber Certification Section
Required for all accounts that interact with, manage or house inmates or detainees.

Subscriber Certifications must be completed for every order, including renewals.

Subscriber by his/her initials below certifies and acknowledges understanding and acceptance of the security limits of CLEAR and Subscriber's responsibility for controlling product, Internet and network access:

_____ **Subscriber's Initials.** Functionality of CLEAR cannot and does not limit access to non-West Internet sites. It is the responsibility of Subscriber to control access to the Internet. By his/her initials, Subscriber acknowledges its understanding and acceptance of the security limits of CLEAR and Subscriber's responsibility for controlling Internet access

_____ **Subscriber's Initials.** Subscriber certifies that it shall be responsible for controlling network access to the Internet or internal Subscriber sites. Subscriber agrees to provide its own firewall, proxy servers or other security technologies as well as desktop security to limit access to the CLEAR URL and West software. Subscriber must design, configure and implement its own security configuration.

_____ **Subscriber's Initials.** Subscriber shall not use any Data, and shall not distribute any Data to a third party for use, in a manner contrary to or in violation of any applicable federal, state, or local law, rule or regulation or in any manner inconsistent with the Subscriber Agreement.

_____ **Subscriber's Initials.** CLEAR will be accessed by Subscriber employees only for administrative or internal business purposes. All such access use will fully comply with the following restrictions:

- In no event shall anyone other than approved Subscriber employees be provided access to or control of any terminal with access to CLEAR or CLEAR data.
- Terminals with CLEAR access, access credentials, and CLEAR data will be in secured locations that do not provide inmate/detainee access.
- No access shall be outsourced or otherwise provided to third parties.
- Subscriber shall be solely responsible for ensuring that no sensitive information is made available beyond its stated permissible use.

IP Address Section
Only External IP Address(es) or Range(s) Must Be Provided

Valid External IP Addresses or IP Ranges belonging to your organization and meeting the following requirements must be provided for all CLEAR orders:

- **IP Addresses assigned to jurisdictions outside the United States or West approved U.S. Territories are prohibited.**
- **IP Addresses will not be accepted from the following ranges which are reserved by the Internet Assigned Numbers Authority for special use or private networks: 10.0.0.0 - 10.255.255.255, 127.0.0.0- 127.255.255.255, 172.16.0.0 - 172.31.255.255, 192.168.0.0 - 192.168.255.255, 169.254.0.0 - 169.254.255.255.**
- **All IP addresses must be IPv4 addresses.**

Permissible IP Address(es) will be those provided below as well as any previously provided IP Address(es) for this Subscriber

Subscriber's Internet Service Provider Name _____

Provide IP Address(es) or IP Address Range(s) below Additional page(s) may be attached if needed

Beginning IP Address _____ **Ending IP Address** _____

Beginning IP Address _____ **Ending IP Address** _____

REQUIRED

CLEAR Subscribers may receive roaming access to CLEAR by default. Roaming access permits users outside Subscriber's designated IP Address/Range. West may, at its option, block roaming access.

_____ Subscriber initials if Subscriber requests that roaming access be blocked

If you [illegible]

1. Contact your network administration, firewall or security team
2. Contact your Internet Service Provider, ISP (i.e. Cable, DSL, Satellite, etc.)
3. Go to the following URL in your browser: http://tools.whois.net/yourip/ or http://www.whatismyip.com to identify your external IP address (NOTE: If you have multiple IP addresses, this tool will only detect one IP address)

Technical Contact for CLEAR Products (if applicable) (Contact for IP Address Issues)

Name (please print) _____

Telephone _____

E-Mail _____

IF APPLICABLE

	CLEAR Users, My Account Administrator and Authorized QuickView+ User								
Last Name	First Name	E-mail Address	Phone Number	IN	AD	AN	SV	TC
Guerra	Eddie	eddie.guerra@co.hidalgo.tx.us	956-383-8560					

If there are additional CLEAR users additional page(s) must be submitted with the order

User Type Key	IN = Investigator AD = Administrator AN = Analyst	SV = Supervisor TC = Technical

Subscriber shall authorize which user shall be named as the My Account Administrator. Access to My Account will allow CLEAR user management, general account information and granting access to other My Account users.

Authorized My Account Administrator for CLEAR

Last Name Guerra First Name Eddie E-Mail eddie.guerra@co.hidalgo.tx.us
(Required)

Subscriber shall authorize which CLEAR users(s) shall have access to QuickView+. Actual charges billed by West may vary from charges reported on QuickView+. Subscriber shall pay charges as billed. West does not warrant and has no liability with respect to accuracy of charges or other information on QuickView+.

Authorized CLEAR Password Holder for CLEAR QuickView+

Last Name Guerra First Name. Eddie E-Mail eddie.guerra@co.hidalgo.tx.us

CLEAR Renewals

Subscriber Certification Section must also be completed for all Subscribers that interact with, manage, or house inmates or detainees.
*Current Monthly CLEAR Charges is/are rate(s) in effect as of the date of this Order Form and may not be the rate(s) in effect when rate(s) for the Renewal Term is/are calculated, depending on the length of the current Minimum Term or current Renewal Term.

Sub Mat'l #	CLEAR Products	Current Monthly Charges*

Notes

_____ **Subscriber's Initials for 12 Month Renewal Term**** Subscriber agrees to commit to an additional 12 months and the Monthly Charges for the such additional 12 months shall be _____% more than the current Monthly Charges in effect at the end of the current Minimum Term and/or current Renewal Terms.

_____ **Subscriber's Initials for 24 Month Renewal Term**** Subscriber agrees to commit to an additional 24 months. The Monthly Charges for the first additional 12 months shall be _____% more than the Monthly Charges in effect at the end of the current Minimum Term and/or current Renewal Terms and the Monthly Charges for the second additional 12 months shall be _____% more than the Monthly Charges for the first additional 12 months.

_____ **Subscriber's Initials for 36 Month Renewal Term**** Subscriber agrees to commit to an additional 36 months. The Monthly Charges for the first additional 12 months shall be_____% more than the Monthly Charges in effect at the end of the current Minimum Term and/or current Renewal Terms and the Monthly Charges for the second additional 12 months shall be _____% more than the Monthly Charges for the first additional 12 months. The Monthly Charges for the third additional 12 months shall be _____% more than the Monthly Charges for the second additional 12 months.

** Effective at the end of the Minimum Term or current Renewal Term.

Non-Government Subscribers Only. Upon conclusion of the Renewal Term designated above, the Subscriber Agreement and this Order Form will automatically renew for consecutive 12-month periods, and the Monthly Charges for the Renewal Term(s) will increase 7% per year unless either party gives written notice of cancellation to the other party at least 30 days in advance of any Renewal Term, including the first Renewal Term. Additionally, West may at its discretion provide Subscriber with notice at least 60 days in advance of any Renewal Term of a Monthly Charge increase different from 7% after which Subscriber shall have 30 days to provide West with written notice of

for all Excluded Charges as incurred. During any Renewal Term, Subscriber's access to and use of CLEAR Services shall be governed by the Subscriber Agreement.

Government Subscribers Only. Upon conclusion of the Renewal Term designated above, Monthly Charges are billed thereafter at up to then-current rates. Excluded Charges and Monthly Charges (after the Renewal Term) may be modified as set forth in the Subscriber Agreement (as defined herein). Subscriber is responsible for all Excluded Charges as incurred. After the Renewal Term, Subscriber's access to and use of CLEAR Services shall be governed by the Subscriber Agreement.

CLEAR Window Renewals

Subscriber Certification Section must also be completed for all Subscribers that interact with, manage, or house inmates or detainees.
*Current Monthly Guarantee and the Monthly Window is/are rate(s) in effect as of the date of this Order Form and may not be the rate(s) in effect when rate(s) for the Renewal Term is/are calculated, depending on the length of the current Minimum Term or current Renewal Term.

Sub Mat'l #	CLEAR Products	Current Monthly Guarantee*

Notes

_____ **Subscriber's Initials for 12 Month Renewal Term**** Subscriber agrees to commit to an additional 12 months and the Monthly Guarantee for the such additional 12 months shall be _____% more than the current Monthly Guarantee in effect at the end of the current Minimum Term and/or current Renewal Terms.

_____ **Subscriber's Initials for 24 Month Renewal Term**** Subscriber agrees to commit to an additional 24 months. The Monthly Guarantee for the first additional 12 months shall be _____% more than the Monthly Guarantee in effect at the end of the current Minimum Term and/or current Renewal Terms and the Monthly Guarantee for the second additional 12 months shall be _____% more than the Monthly Guarantee for the first additional 12 months.

_____ **Subscriber's Initials for 36 Month Renewal Term**** Subscriber agrees to commit to an additional 36 months. The Monthly Guarantee for the first additional 12 months shall be_____% more than the Monthly Guarantee in effect at the end of the current Minimum Term and/or current Renewal Terms and the Monthly Guarantee for the second additional 12 months shall be _____% more than the Monthly Guarantee for the first additional 12 months. The Monthly Guarantee for the third additional 12 months shall be _____% more than the Monthly Guarantee for the second additional 12 months.

** Effective at the end of the Minimum Term or current Renewal Term.

Non-Government Subscribers Only. Upon conclusion of the Renewal Term designated above, the Subscriber Agreement and this Order Form will automatically renew for consecutive 12-month periods, and the Monthly Guarantee for the Renewal Term(s) will remain unchanged unless either party gives written notice of cancellation to the other party at least 30 days in advance of any Renewal Term, including the first Renewal Term. Additionally, West may at its discretion provide Subscriber with notice at least 60 days in advance of any Renewal Term of an increase in the Monthly Guarantee after which Subscriber shall have 30 days to provide West with written notice of cancellation if Subscriber does not wish to renew. The Monthly Window shall remain unchanged during the Renewal Term(s). Excluded Charges may be modified as set forth in the Subscriber Agreement (as defined herein). Subscriber is responsible for all Excluded Charges as incurred. During any Renewal Term, Subscriber's access to and use of CLEAR Services shall be governed by the Subscriber Agreement.

Government Subscribers Only. Upon conclusion of the Renewal Term, the Monthly Charges will be billed thereafter at up to then-current rates, subject to the Monthly Guarantee. The Monthly Window shall remain unchanged. Excluded Charges and Monthly Guarantee (after the Renewal Term) may be modified as set forth in the Subscriber Agreement (as defined herein). Subscriber is responsible for all Excluded Charges as incurred. After the Renewal Term, Subscriber's access to and use of CLEAR Services shall be governed by the Subscriber Agreement.

Passwords. Any passwords issued herein may only be used by the person to whom the password is issued and sharing of passwords is STRICTLY PROHIBITED.

General Provisions for Non-Government Subscribers Only. This Order Form is subject to approval by West Publishing Corporation, ("West") in St. Paul, Minnesota shall become effective upon verification by West of Subscriber's credentials and is governed by Minnesota law. The state and federal courts sitting in Minnesota will have exclusive jurisdiction over any claim arising from or related to this agreement. Applicable sales, use, personal property, value added tax (VAT) or equivalent, ad valorem and other taxes are payable by Subscriber. Subscriber may be charged interest for overdue charges. If any charges remain unpaid 30 days after becoming due, all amounts that are or would become due and payable for the remaining term of Subscriber's Subscriber Agreement shall become immediately due and payable at the sole option of West. Interest charged may be adjusted to the then-highest current rate allowable on Minnesota contracts. This Order Form is non-transferable. All collection fees, including but not limited to attorneys fees, are payable by Subscriber. West may request a current financial statement and/or obtain consumer credit report on the undersigned individual to determine creditworthiness. West will only request consumer credit information on the undersigned if the undersigned is applying for credit as an individual or if the undersigned's consumer credit information is necessary for West to consider granting credit to the aforementioned company. If Subscriber inquires whether a credit report was requested, West will provide information of such, if a report was received and the name, address and telephone number of the agency that supplied the report.

General Provisions for Government Subscribers Only. This Order Form is subject to approval by West in St. Paul, Minnesota, and is governed by the laws of Subscriber's state. The courts sitting in Subscriber's state will have exclusive jurisdiction over any claim arising from or related to this Agreement. If Subscriber is a U.S. Federal Government subscriber, this Order Form is governed by the laws of the United States of America. Applicable sales, use, personal property, value added tax (VAT) or equivalent, ad valorem and other taxes are payable by Subscriber. This Order Form is non-transferable.

Usage Cap. In the event Subscriber's actual charges during a month exceed by more than ten times the then-current Monthly Guarantee, West may limit access to live gateways for the remainder of the month.

Returns. CLEAR charges are non-refundable.

	CLEAR Products to be Lapsed	
Full Svc #	CLEAR Products	

The Research Subscriber Agreement (located at http://legalsolutions.com/research-subscriber-agreement), the applicable Schedule A (located at http://legalsolutions.com/schedule-a-clear) is/are hereby incorporated by reference and made part of this Order Form. In the event there is a conflict between the terms and conditions of the Subscriber Agreement and Schedule A and the terms and conditions of this Order Form, the terms and conditions of this Order Form shall control. Subscriber by his/her signature below, acknowledges his/her understanding and acceptance of the terms and conditions of the Subscriber Agreement and Schedule A and this Order Form.

AUTHORIZED REPRESENTATIVE FOR ORDER FORM

Printed Name _____

Title _____

Date _____

Signature X _____

For Credit Card Transactions only: Visa _____ Master Card _____ Am Ex _____

Card # _____ Expir. Date _____ Total Amt. to Charge _____

Account Validation and Certification (AVC) Form
Westlaw and CLEAR (Government)

WEST®
A Thomson Reuters business

Subscriber Information

Account Number (if applicable) _____

Full Legal Name/Entity: Hidalgo County Constable, Precinct 4

Business Unit/Dept/Agency: _____

The applicant's address below is (please check one): ☐ a Commercial Location ☐ a Residence (i.e. a home-based business)

Street Address: 2814 S. Business Highway 281

City: Edinburg Country (if not US): _____

State: TX Zip: 78539

Main Organization Telephone: 956-383-8560 Location/Contact/Ext Telephone: _____

E-Mail Address: eddie.guerra@co.hidalgo.tx.us Website: _____

Cell Phone (if no land line available): _____ ☐ Check here if no website available

REQUIRED

ACCOUNT TYPE SECTION
Select the applicable type and continue to next step

Select Type of Government

- ☐ US – Federal
- ☐ US – State
- ☒ US – Local
- ☐ Tribal Government
- ☐ Other Government (please describe) _____

Select Type of AcademicInstitution

- ☐ Privately Funded Academic Institution (non-govt funded)
- ☐ Government Funded Academic Institution

CERTIFICATION SECTION FOR PRIVACY COMPLIANCE

Subscriber further certifies one of the following

- ☒ Subscriber is NOT one of the following types of companies/entities:
- ☐ Subscriber IS one of the following types of companies/entities: - Please select the applicable type below:

- ☐ Private Detectives (non-commercial use for private clients)
- ☐ Bail Bond Companies, Bounty Hunters
- ☐ Credit Clinics, Credit Repair/Loan Modification Companies, and Credit Counseling Firms
- ☐ Dating Services
- ☐ Diet Centers
- ☐ Internet People Locator Services, Genealogical Research Firms
- ☐ Missing Children or Adoption Search Firms
- ☐ Non-Govt Child Support Collection Companies
- ☐ Payday Lenders
- ☐ [illegible] and/or adult-type web services.
- ☐ Condominium/Homeowners Associations
- ☐ Future Services (i.e. health clubs, country clubs, timeshares,continuity clubs, etc.)
- ☐ Library, Association or other entities providing access via Public Terminals
- ☐ Prison or Correctional Facilities providing access to inmates/detainees
- ☐ Foreign Governments, Foreign Companies
- ☐ News Agencies and Journalists
- ☐ Repossession Companies
- ☐ Weapons Dealers, Pawn Shops
- ☐ Companies on an Alert List
- ☐ Utility or telecommunications providers that sell services to consumers

Additional Certification For Compliance

☒ Subscriber certifies that it is NOT involved in the following:
Credit fraud, identification theft, stalking, harassment, any unethical business practices or illegal activity nor has it worked to further such activities of its customers, nor is it on the U.S. Treasury Department Office of Foreign Assets Control (OFAC) Specially Designated Nationals and Blocked Persons List.

Multiple Locations/Branches/Subsidiaries

☐ Please check here if Subscriber is subscribing to services for use at multiple locations and attach the completed Addendum to Account Validation and Certification Form-Multiple Locations ("Addendum"). Subscriber certifies that the Account Type and Privacy Compliance information provided in this AVC Form applies to all locations set forth in the Addendum and that the location information set forth in the Addendum is complete and accurate.

Permissible Use under Gramm Leach Bliley Act
Subscriber's use of the data is limited by the U.S.Gramm-Leach-Bliley Act (15 U.S.C. 6801 et. seq.) and can only be used for specific non-FCRA (Fair Credit Reporting Act) purposes. Please indicate below (check box) what permitted use(s) will apply to your research needs:

At least one permissible use must be selected to be granted access or the Subscriber must select the non- permissible use:

- ☐ Subscriber certifies there is no permissible use.
- ☐ For use by a person holding a legal or beneficial interest relating to the consumer.
- ☒ For use in complying with federal, state, or local laws, rules, and other applicable legal requirements.
- ☐ For use as necessary to effect, administer, or enforce a transaction requested or authorized by the consumer.
- ☐ For use in complying with a properly authorized civil, criminal, or regulatory investigation, subpoena, or summons by federal, state, or local authorities
- ☐ For use to protect against or prevent actual or potential fraud, unauthorized transactions, claims, or other liability.
- ☐ For use by any Law Enforcement Agency, self regulatory organizations or for an investigation on a matter related to public safety.
- ☐ To persons acting in a fiduciary or representative capacity on behalf of the consumer.
- ☐ For required institutional risk control or for resolving consumer disputes or inquiries.
- ☐ With the consent or at the direction of the consumer.

Permissible Use under Drivers Privacy Protection Act
Subscriber's use of the data is limited by the U.S. Drivers Privacy Protection Act (18 U.S.C. §2721 et seq.) and can only be used for specific non-FCRA (Fair Credit Reporting Act) purposes. Please indicate below (check box) what permitted use(s) will apply to your research needs:

At least one permissible use must be selected to be granted access or the Subscriber must select the non- permissible use:

- ☐ Subscriber certifies there is no permissible use.
- ☒ For official use by a Court, Law Enforcement Agency or other Government agency.
- ☐ To verify or correct information provided to you by a person in order to prevent fraud, pursue legal remedies or recover a debt; skip tracing.
- ☐ For use in connection with a civil, criminal or arbitral legal proceeding or legal research.
- ☐ For use in connection with an insurance claims investigation or insurance antifraud activities

	UNMASKED OR FULL DISPLAY OF SENSITIVE PERSONAL INFORMATION SECTION Qualified Accounts Only	

Complete the below section if Subscriber requests unmasked or full display of full Security Numbers, Day of Date of Birth and/or Driver's License Wallet

- ☐ Subscriber **IS NOT** requesting unmasked or full display of Sensitive Personal Information.
- ☒ Subscriber **IS** requesting unmasked or full display of Sensitive Personal Information.

WEST PUBLISHING CORPORATION ("WEST") – AUTHORIZED SENSITIVE PERSONAL INFORMATION DISPLAY POLICY: West seeks to balance overall individual privacy needs and concerns with the legitimate personal information needs of specific entities as allowed within the provisions of the U.S. Gramm Leach Bliley Act (15 U.S.C. § 6821 et seq.) (U.S. GLB), U.S. Drivers Privacy Protection Act (18 U.S.C. §2721 et seq.) (U.S. DPPA) and other laws. As a general rule, sensitive data on West Public Records Databases is truncated. In order to help ensure that access to authorized unmasked and full display of sensitive data is warranted, West requires validation on a regular basis as necessary for each account requesting access to unmasked and full display of sensitive personal information to certify that the unmasked and full display of personal information is needed, and will only be used in connection with legitimate business. West, in its sole discretion, reserves the right to discontinue access to unmasked and full display of personal information.

CLEAR Subscribers: All CLEAR Users on this account will be granted access to the same type of sensitive personal information upon approved credentialing.

Please provide the names and passwords of those individuals for which unmasked access should be added or removed. Use additional page with the info below if needed.

Westlaw User			
Last Name	First name	Password (applicable only if active subscriber)	Add or Remove

Information Protection Affirmation

Subscriber shall be fully responsible for any unauthorized collection, access, use, and disclosure of Personal Information subject to this Agreement. Without limiting the foregoing, Subscriber shall employ appropriate administrative, physical, and technical safeguards in order to sufficiently protect the Personal Information and information assets and resources in question. Subscriber shall immediately notify West of any Information Protection Incident that may result in the unauthorized collection, access, use or disclosure of Personal Information subject to this Agreement. Subscriber shall make all reasonable efforts to assist West in relation to the investigation and remedy of any such Information Protection Incident and any claim, allegation, action, suit, proceeding or litigation with respect to the unauthorized access, use or disclosure of Personal Information. For purposes of its obligations hereunder, the acts or omissions of Subscriber's employees, shall also be deemed the acts or omissions of Subscriber.

Appropriate Use Standard

West provides computer devices, networks, and other electronic information systems to meet missions, goals, and initiatives and must manage them responsibly to maintain the confidentiality, integrity, and availability of its information assets. The use of any West information asset will be for legitimate business purposes only and in accordance with all applicable West corporate policies. Any access to or use of non-public personally identifiable information must be in accordance with all applicable law. No individual shall access records that require a permissible purpose unless such a purpose exists. It is your responsibility to seek guidance and clarification in case of any question about the proper use of West resources, including but not limited to the use of non-public personally identifiable information. All employees associated with the Subscriber, including all personnel must adhere to these requirements.

Initial of authorized signatory

X _____

By initialing, Subscriber certifies that it has read, understands and will comply with the terms of the Westlaw and/or CLEAR Subscriber Agreement including in particular (but not limited to) the Data Usage Restrictions. Subscriber understands that West is not a Consumer Reporting Agency and Subscriber will not use any Westlaw/CLEAR Data for any purpose regulated by the U.S. Fair Credit Reporting Act (15 U.S.C. § 1681 et seq.) or any similar statute.

Fair Credit Reporting Act (FCRA) Use Prohibited

Please acknowledge that you and authorized persons under your account(s) agree to limit the use of this information, as described above, and to comply with the provisions of the U.S. Gramm Leach Bliley Act (15 U.S.C. § 6821 et seq.) (U.S. GLB), U.S. Drivers Privacy Protection Act (18 U.S.C. §2721 et seq.) (U.S.DPPA) and all other applicable federal, state, and local laws, rules, and regulations.

I hereby certify that I am authorized to execute this Account Validation and Certification Form on behalf of the Subscriber listed above and that statements I have provided in this form are true and correct. Further, I hereby certify that the Subscriber agrees to the terms and conditions set forth in this form and understand that I may periodically be required to re-certify information provided herein but not more than once every two years.

AUTHORIZED REPRESENTATIVE FOR CERTIFICATION

Printed Name _____

Title _____

Date _____

Signature X _____

Once this document is completed and signed by an authorized representative of the Subscriber, please provide it to your West Sales Consultant with a signed order or fax to 866-294-1042 or email to west.avteredentials@thomson.com.

All information is subject to verification and approval by West.

Site Inspection contact if a different authorized representative is listed above.	
Name _____	**Telephone Number** _____



THOMSON REUTERS™

Research Subscriber Agreement

RESEARCH SUBSCRIBER AGREEMENT entered into between "Subscriber" and WEST PUBLISHING CORPORATION, a Thomson Reuters business ("West") regarding certain West research services, as follows:

1. License Grant. West grants Subscriber a non-exclusive, non-transferable, worldwide, limited license to access and use the Data (as defined below), features, services, remotely-accessed gateways, and other components of the products named and described in the Agreement (as defined below) (collectively, the "Product") in accordance with the provisions expressly set forth herein.

a. Usage. Subject to the restrictions set forth in paragraph 2 (License Restrictions) below, Subscriber may use the Product(s), including Data (as defined below) in the regular course of Subscriber's business, legal, and other research and related work subject to the limitations contained herein. "Data" means all information and representations of information, including, but not limited to, graphical representations, and other content made available to Subscriber through the Product. Subscriber may: (i) display Data internally; (ii) quote and excerpt from Data (appropriately cited and credited) by electronic cutting and pasting or other means in memoranda, briefs, reports, and similar work product created by Subscriber in the regular course of Subscriber's research and work; and (iii) to the extent not expressly prohibited by the terms of the Agreement, use Data as permitted under the fair use provision of the Copyright Act (17 U.S.C.A. § 107).

b. Storage. Subscriber may store, on a matter-by-matter basis, insubstantial portions of Data in Subscriber's database, maintained in connection with an active matter being handled by Subscriber in its regular course of business ("Project Database"). Such database must consist preponderantly of Subscriber's work product, with access to Data limited to internal users who have a need to know such information. Subscriber may maintain Data in the Project Database until the file or case becomes inactive or until any termination of the Agreement, whichever occurs first. Subscriber may also store insubstantial portions of Data in accordance with Subscriber's records retention policies, provided that such policies are in keeping with prevailing industry standards. For purposes of the Agreement, the term "insubstantial portions" means amounts of Data that (a) have no independent value other than as part of Subscriber's work product; and (b) could not be used in any way in whole or in part as a substitute for any service or product provided by West, any affiliate of West, or any third-party that licenses, contributes, or otherwise provides Data, features, or other materials to West for inclusion in the Product ("Contributor").

c. Print Outs. Provided that all printouts and other reproductions of Data retain, unaltered, all proprietary notices appearing on such reproductions, Subscriber may print, or otherwise reproduce, in hard copy form, insubstantial portions of Data in Subscriber's regular course of business and share such printouts: (i) with Subscriber's clients in relation to specific, ascertainable matters; and (ii) as required or reasonably necessary, to regulatory agencies, court officials, or parties to legal actions in which Subscriber is directly involved.

d. Electronic Distribution. Subscriber may, on an occasional basis and via Product functionality, direct West to transmit individual documents in electronic format to individual internal user(s), and to individual third parties in connection with actual, ascertainable matters being handled by Subscriber. Subscriber may also include downloaded Data in briefs prepared for a specific cause of action for a specific court in an electronic format. Distribution or dissemination of such downloaded Data in connection with, or as part of a brief must be limited to the court before which the cause of action is to be heard, the parties to the cause of action, or their representatives. All other direct transmission of electronic copies by Subscriber is prohibited.

2. License Restrictions.

a. Usage Restrictions. Subscriber may not copy, download, scrape, store, publish, post, transmit, retransmit, transfer, distribute, disseminate, broadcast, circulate, sell, resell, or otherwise use the Data, or any portion of the Data, in any form or by any means except as expressly permitted by paragraph 1 (License Grant) above, or as otherwise expressly permitted in writing by West. Subscriber shall not reverse engineer, decompile, disassemble, or otherwise attempt to discern the source code of the Products, their components, or any avenue by which Products are accessed.

b. Compliance with Applicable Law. Subscriber shall not use any Data and shall not distribute any Data to a third party for use in a manner contrary to or in violation of any applicable federal, state, or local law, rule or regulation.

c. Copyright Notices. Subscriber shall not remove or alter any copyright notices from any saved, downloaded, or otherwise reproduced Data. Subscriber shall indicate that use of, distribution, and dissemination of Data is with the permission of West.

3. Regulated Data. Certain Data available through the Products is subject to heightened regulatory scrutiny under state and federal law ("Regulated Data").

a. Regulated Data Restrictions

i. Subscriber acknowledges that West provides Regulated Data to support Subscriber's own processes and decisions, and Subscriber should not deny any service or access based solely on Regulated Data provided through the Product or results provided by West. Subscriber is responsible for any denial of services or access and Subscriber will not deny such services or access without first conducting its own appropriate internal review in conjunction with its decision-making process.

ii. West is not a consumer reporting agency, and Subscriber certifies that it will not use any Data as a factor in establishing a consumer's eligibility for credit or insurance to be used primarily for personal, family, or household purposes, for employment purposes, or for any other purpose authorized under section 1681b of the Fair Credit Reporting Act (15 U.S.C.A. § 1681b).

iii. Subscriber acknowledges that access to Regulated Data, available through the Product, including but not limited to credit header Data, motor vehicle Data, driver license Data, and voter registration Data is regulated by state or federal laws, such as the Gramm Leach Bliley Act ("GLBA"), the Driver's Privacy Protection Act ("DPPA"), or other state or federal laws and regulations, or is subject to Contributor restrictions.

iv. If Subscriber is permitted to purchase motor vehicle records ("MVR Data") from West, without in any way limiting Subscriber's obligations to comply with all state and federal laws governing use of MVR Data, the following specific restrictions apply and are subject to change:
- Subscriber shall not use any MVR Data provided by West, or portions of information contained therein, to create or update a file to the end that Subscriber develops its own source of driving history information.
- As requested by West, Subscriber shall complete any state forms that West is legally or contractually obligated to obtain from Subscriber before serving Subscriber with state MVR Data.

v. Subscriber agrees not to access Regulated Data for any purpose that is not allowed by the GLBA, by the DPPA, by any other applicable state or federal laws or regulations, or that is contrary to any Additional Terms, as defined in paragraph 5 (Additional Terms) below.

vi. Subscriber represents and warrants that it is the end user of Regulated Data and shall limit use and dissemination of Regulated Data solely to the permissible uses stated by Subscriber in the application and online (Subscriber's "Permissible Use"). Subscriber agrees to keep confidential and shall not disclose any Regulated Data except to Subscriber employees in the United States of America whose duties reasonably require access to such Regulated Data to carry out Subscriber's Permissible Use.

b. Regulated Data Usage Compliance. West retains the right to temporarily or permanently block access to certain Data if West, in its sole discretion, reasonably believes that the Data may be or has been used for an improper purpose or otherwise in violation of the terms of the Agreement, or as otherwise required by a Contributor. By accessing Data, Subscriber acknowledges that from time to time, West and its Contributors and/or various government entities will require Subscriber to identify a permissible use (if applicable) and may inquire as to Subscriber's compliance with applicable laws or the Agreement. Subscriber agrees to reasonably cooperate with any inquiry, subject to any attorney-client confidentiality. Subscriber shall immediately report to West any misuse, abuse, or compromise of Data of which Subscriber becomes aware.

c. Regulated Data Subscriber Credentials. West's provision of access to Regulated Data is contingent on West's verification of Subscriber's credentials in accordance with West's internal credentialing procedures. Subscriber shall notify West immediately of any changes to the information on Subscriber's application for Services and, if at any time Subscriber no longer meets such credentialing requirements, West may terminate Subscriber's access to Regulated Data.

d. Regulated Data Indemnification. Except as otherwise prohibited by law and without waiving any defenses to which it may be entitled, Subscriber hereby agrees to protect, indemnify, defend, and hold harmless West and all its Contributors from and against any and all costs, claims, demands, damages, losses, and liabilities (including actual attorneys' fees) arising from or in any way related to (i) the misuse of Regulated Data by Subscriber (or any other party receiving such Regulated Data from or through Subscriber); and (ii) Subscriber's breach of any representation or warranty relating to its use of or purpose in using Regulated Data.

4. Rights in Data. Except for the license granted in this Subscriber Agreement, all rights, title, and interest in the Product, including Data, in all languages, formats, and media throughout the world, including all copyrights, are and will continue to be the exclusive property of West and its Contributors.

5. Additional Terms. Certain third-party Data and features are governed by terms and conditions which are supplemental to and may be different from those set forth in this Subscriber Agreement ("Additional Terms"). Additional Terms are available for review at the following locations: http://legalsolutions.com/westlaw-additional-terms; http://legalsolutions.com/clear-additional-terms; and http://legalsolutions.com/thomson-innovation-additional-terms. In the event of a conflict between any Additional Terms and terms set forth in the Agreement, the Additional Terms will control.

6. Protection of Personal Information. West and Subscriber acknowledge that both parties may be required to comply with various privacy and security requirements, including but not limited to those set forth in paragraph 3.a. (Regulated Data Restrictions) above, the European Union Directive on Data Protection (95/46), and all other applicable legal directives and applicable industry standards (collectively "Privacy Laws") pursuant to which each party wishes to obtain certain undertakings from the other with regard to the use and protection of the Personal Information of either party. For purposes of this Subscriber Agreement, "Personal Information" shall refer to, without limitation, the following types of information: name, address, e-mail address, age, date of birth, telephone number, fax, social security number or equivalent or similar government identification numbers, credit/debit card information, bank account information, logins, passwords, or medical or health records of an identifiable human being. Each party shall be responsible for any collection, access, use, and disclosure of Personal Information subject to this Subscriber Agreement. Without limiting the foregoing, each party shall employ appropriate administrative, physical, and technical safeguards in order to sufficiently protect the Personal Information and any Information assets and resources in question. Each party shall promptly notify the other of any event that may result in the unauthorized collection, access, use, or disclosure of Personal Information subject to this Subscriber Agreement ("Information Protection Incident"). The parties shall make reasonable efforts to assist one another in relation to the investigation and remedy of any such Information Protection Incident claim, allegation, action, suit, proceeding, or litigation with respect to the unauthorized access, use, or disclosure of Personal Information. Furthermore, any access to or use of Personal Information must be in accordance with all applicable law. No individual shall access records that require a permissible purpose unless such a purpose exists for such individual. For purposes of its obligations hereunder, any acts or omissions by the personnel of each party shall also be deemed to be the acts or omissions of West and/or Subscriber, respectively.

7. Charges and Modification of Charges. Charges payable by Subscriber for access to Products ("Service Charges") will commence on the date West processes Subscriber's order. Service Charges will be as stated in an applicable Special Offer Amendment, or Order Form/Order Notification to this Subscriber Agreement, the Schedule A Price Plan, or as otherwise agreed upon in writing by the parties. Schedule A rates may be modified upon at least 30 days prior notice to Subscriber in writing or online or pursuant to the terms stated on an applicable Order Form/Order Notification. Modification of any Service Charges pursuant to this paragraph 7 shall not be considered as an amendment to this Subscriber Agreement that permits termination pursuant to paragraph 13(ii) herein. Service Charges are exclusive of applicable sales, use, value added tax (VAT) or equivalent, ad valorem, personal property and other taxes, which are the responsibility of Subscriber. Subscriber will pay all invoices in full within 30 days from date of invoice. If full payment is not made, Subscriber may be charged interest on any unpaid balance, not to exceed 1% per month.

8. Product Software and Internet Based Services.

a. Product Software. West may make available to Subscriber, on a subscription basis, software for use in connection with the Product. Such software, including new versions and the accompanying user documentation, may be referred to collectively as "Software." All Software will be licensed to Subscriber under a license agreement which will accompany the Software. By using the Software and taking such other action as may be referenced in the license agreement as constituting acceptance, Subscriber agrees to be bound by the terms and conditions of the accompanying license agreement. If Subscriber does not so agree, Subscriber must return any tangible copies of the Software in its possession or control.

b. Internet Based Services. Certain Products may be accessed via the Internet. Subscriber may use Data cached in Subscriber's local disk drive solely in support of its use of the Product via the Internet ("Internet Based Services"). Certain software used by Subscriber may not be capable of supporting Internet Based Services. The performance of Internet Based Services varies with the manufacturers' equipment with which it is used.

9. Disclaimer of Warranties. EXCEPT AS SPECIFICALLY PROVIDED IN THIS SUBSCRIBER AGREEMENT, ANY SCHEDULE, OR LICENSE AGREEMENT, ALL PRODUCTS, DATA, SOFTWARE, AND INTERNET-BASED SERVICES ARE PROVIDED "AS IS," WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF PERFORMANCE, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, ACCURACY, OMISSIONS, COMPLETENESS, CURRENTNESS, AND DELAYS.

10. Limitation of Liability. SUBSCRIBER'S EXCLUSIVE REMEDY AND WEST'S, ITS AFFILIATES, AND/OR CONTRIBUTORS' ENTIRE LIABILITY UNDER THE AGREEMENT, IF ANY, FOR ANY CLAIM(S) FOR DAMAGES RELATING TO PRODUCTS, DATA, SOFTWARE, OR INTERNET BASED SERVICES WHICH ARE MADE AGAINST THEM, INDIVIDUALLY OR JOINTLY, WHETHER BASED IN CONTRACT OR NEGLIGENCE, SHALL BE LIMITED TO THE AGGREGATE AMOUNT OF SERVICE OR SOFTWARE CHARGES PAID BY SUBSCRIBER DURING THE 12 MONTH PERIOD PRECEDING THE EVENT GIVING RISE TO SUCH CLAIM. IN NO EVENT SHALL WEST, ITS AFFILIATES, AND/OR CONTRIBUTORS BE LIABLE TO SUBSCRIBER FOR ANY CLAIM(S) RELATING IN ANY WAY TO (i) SUBSCRIBER'S INABILITY TO USE PRODUCTS, DATA, SOFTWARE, OR INTERNET BASED SERVICES, OR ITS INABILITY OR FAILURE TO PERFORM LEGAL OR OTHER RESEARCH OR RELATED WORK OR TO PERFORM SUCH LEGAL OR OTHER RESEARCH OR WORK PROPERLY OR COMPLETELY, EVEN IF ASSISTED BY WEST, ITS AFFILIATES, OR CONTRIBUTORS, OR ANY DECISION MADE OR ACTION TAKEN BY SUBSCRIBER IN RELIANCE UPON DATA; OR (ii) THE PROCURING, COMPILING, INTERPRETING, EDITING, WRITING, REPORTING, OR DELIVERING DATA. IN NO EVENT SHALL WEST, ITS AFFILIATES AND/OR CONTRIBUTORS BE LIABLE TO SUBSCRIBER FOR ANY LOST PROFITS OR OTHER CONSEQUENTIAL, EXEMPLARY, INCIDENTAL, INDIRECT, OR SPECIAL DAMAGES RELATING IN WHOLE OR IN PART TO SUBSCRIBER'S RIGHTS UNDER THE AGREEMENT EVEN IF WEST, ITS AFFILIATES AND/OR CONTRIBUTORS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. FURTHER, WEST SHALL HAVE NO LIABILITY WHATSOEVER TO SUBSCRIBER FOR ANY CLAIM(S) RELATING IN ANY WAY TO ANY THIRD PARTY FEATURE. NEITHER WEST NOR CONTRIBUTORS MAKE ANY WARRANTY THAT ACCESS TO PRODUCTS AND DATA WILL BE UNINTERRUPTED, SECURE, COMPLETE, OR ERROR FREE. NOR DOES WEST MAKE ANY WARRANTY AS TO THE LIFE OF ANY URL OR THIRD PARTY WEB SERVICE. SUBSCRIBER ACKNOWLEDGES THAT PROVISION OF PRODUCTS AND DATA ENTAILS THE LIKELIHOOD OF SOME HUMAN AND MACHINE ERRORS, DELAYS, INTERRUPTIONS, AND LOSSES, INCLUDING THE INADVERTENT LOSS OF DATA. THE DISCLAIMERS OF WARRANTY AND LIMITATIONS OF LIABILITY SET FORTH IN THIS SUBSCRIBER AGREEMENT WERE MATERIAL FACTORS IN THE DETERMINATION OF SERVICE CHARGES.

11. Responsibility for Certain Matters. Subscriber shall provide to West the office location and address associated with Subscriber's passwords issued under the Agreement. Subscriber's personnel may also access Products via home computers, laptops, or other wireless devices. Subscriber is responsible for promptly notifying West in writing of persons to whom passwords are to be issued or from whom passwords are to be revoked. Subscriber is solely responsible for maintaining security of passwords. Subscriber is also responsible for all access to and use of all Products, Data, Software, and Internet Based Services through Subscriber's account, login credentials, and/or systems, whether or not Subscriber has knowledge of or authorizes such access and use. Sharing of passwords that have been issued to individual users of Subscriber is strictly prohibited.

12. Limitation of Claims. Except for claims relating to Service Charges or improper use of Products, Data, Software, or Internet Based Services, no claim, regardless of form, which in any way arises out of the Agreement, may be made, nor such claim brought, under the Agreement more than one year after the basis for the claim becomes known to the party desiring to assert it.

13. Term and Termination. This Subscriber Agreement will become effective upon approval and acceptance by West in St. Paul, Minnesota, and will continue in force for the term set forth in an amendment or applicable Order Form/Order Notification to this Subscriber Agreement. Notwithstanding the foregoing, (i) West may terminate this Subscriber Agreement immediately upon giving written notice of termination to Subscriber if West reasonably believes that Subscriber's use of Data violates any applicable law or regulation or this Subscriber Agreement, or may result in a risk to public safety, including but not limited to the safety of private individuals; (ii) Subscriber may terminate the Agreement immediately upon giving written notice of termination to West after receiving notice of an amendment (as permitted under paragraphs 5 (Additional Terms) and 15 (Effect of Agreement)) which contains new terms that materially alter the terms of this Subscriber Agreement and are unacceptable to Subscriber; (iii) either party may terminate the Agreement immediately upon giving written notice of termination to the other party if the other party commits a material breach of this Subscriber Agreement; or (iv) West may terminate the Agreement immediately upon giving written notice of termination to Subscriber if Subscriber commits a material breach of any obligation to West under any other agreement between the parties. Upon any termination of this Subscriber Agreement, the Product Software licenses shall also terminate.

14. Effect of Agreement. This Subscriber Agreement along with all applicable current and future Schedules, Additional Terms, license agreements, Special Offer Amendment to this Subscriber Agreement or applicable Order Form/Order Notification (if any), and the like (collectively, "Agreement") embodies the entire understanding between the parties with respect to the subject matter of the Agreement and supersedes any and all prior understandings and agreements, oral or written, relating to the subject matter. Except as otherwise provided in the Agreement, West may amend the terms and conditions of this Subscriber Agreement by giving Subscriber at least 30 days prior written notice. Within 30 days of the receipt of such amendment, Subscriber may, at its option, request that the parties enter into good faith negotiations regarding the new amended terms and conditions. In the event the parties are not able to reach an agreement resulting in mutually agreeable alternative language for the amended terms and conditions within 30 days after the start of the negotiations, Subscriber may terminate this

Subscriber Agreement as set forth in paragraph 13(ii) herein. Except as expressly set forth herein, any other amendment to the Agreement must be in writing and signed by both parties.

15. Force Majeure. Each party's performance under the Agreement is subject to interruption and delay due to causes beyond its reasonable control, such as acts of God, acts of any government, war or other hostility, civil disorder, the elements, fire, explosion, power failure, equipment failure, industrial or labor dispute, inability to obtain necessary supplies, and the like.

16. Notices. Except as otherwise provided herein, all notices must be in writing to West at 610 Opperman Drive, P.O. Box 64833, St. Paul, Minnesota 55164-1803, Attention: Customer Service, and to Subscriber at the address set forth in the applicable Special Offer Amendment or Order Form/Order Notification.

17. General Provisions. The Agreement will be governed by and construed under the law of the state of Minnesota, U.S.A. without regard to conflicts of law provisions. The parties agree that the state and federal courts sitting in Minnesota will have exclusive jurisdiction over any claim arising out of the Agreement and each party consents to the exclusive jurisdiction of such courts. Neither the Agreement nor any part or portion may be assigned, sublicensed, or otherwise transferred by Subscriber without West's prior written consent. Should any provision of the Agreement be held to be void, invalid, unenforceable, or illegal by a court, the validity and enforceability of the other provisions will not be affected thereby. Failure of any party to enforce any provision of the Agreement will not constitute or be construed as a waiver of such provision or of the right to enforce such provision. The headings and captions contained in the Agreement are inserted for convenience only and do not constitute a part of the Agreement. West, as used herein, also applies to West Services Inc.

18. Feedback. Any and all Feedback that Subscriber provides to West shall become the exclusive property of West without any payment, accounting, remuneration, or attribution to Subscriber. "Feedback" means information provided, in any manner, by or on behalf of Subscriber with respect to any feature, West product or service, or their enhancement, customization, configuration, installation, or implementation, including but not limited to ideas, concepts, suggestions, materials, functions, methods, processes, and rules.

HIDALGO COUNTY PURCHASING DEPARTMENT
PARTICIPATING BIDDER'S LOG
SPECIFICATIONS/BID PACKETS
QUOTE

QUOTE OPENING DATE: July 31, 2013 **BID OPENING TIME: 9:30 A.M.**

DEPARTMENT/BID DESCRIPTION: Computer Assisted Investigative online Research-Constable Pct 4

BID NO: 2013-232-07-31-MEG

NAME OF BIDDER: COMPANY/FIRM	Quote REQUEST *VIA	SIGNATURE (IF APPLICABLE) OR INITIALS OF STAFF ADDRESSING MAILOUT	DATE	ADDRESS E-MAIL & PHONE NO
Clear Zach Hansen thomsonreuters.com	Email	Elena Gomez	07/18/13	651-244-2543 1-800-762-5272
Lexis Nexis Yette Cleveland yvette.cleveland@lexisnexis.com brent.pyle@lexisnexis.com	Email	Elena Gomez	07/18/13	214-941-7055
L.E.A.D.S Mandie Brock mbrock@leadonline.com	Email	Elena Gomez	07/18/13	972-331-8762

IN PERSON (IP)
E-MAIL (EM)
TELEPHONE REQUEST (TR)
BIDDER LIST MAIL OUT (BLM)

Hidalgo County Purchasing Department
2812 S. Business Highway 281
New Administration Building
Edinburg, Texas 78539
(956) 318-2626/ Fax: (956) 318-2629

MEMORANDUM

(Department's Recommendation)

TO Joel Rivera, Chief Deputy
Hidalgo Co. Constable Pct. 4

FROM: Elena Gomez, Buyer II
Hidalgo County Purchasing Department

DATE: **August 1, 2013**

RE: **BID AWARD RECOMMENDATION REQUEST**
Bid No. 2013-232-07-31–MEG for **HIDALGO COUNTY**
"Computer Assisted Investigative Online Research" (Law Enforcement)

We have received **ONE** qualified bid in reference with the above mentioned project. Enclosed you will find a copy of the tabulation sheet along with copy of the bid response for your review and recommendation.

We would like to present your recommendation on the next Commissioner's Count Meeting; therefore, we need your **as soon as possible.** Please indicate your recommendation or any concerns on the space provided below and reply to the Purchasing Department **via fax to (956)-318-2629 or via email to: elena.gomez@co.hidalgo.tx.us.**

Should you have any questions or require further information please do not hesitate to call me at 318-2626- ext. 4855. Thank you for your attention and cooperation to this matter.

AWARD TO VENDOR(S):	RECOMMENDATION (BASIS)
1. Clear	Price
2.	

Please include the budget account number(s) for the above reference project.

Budget Acct No.: 3-1100-421-00-294-001-0-342

	Joel Rivera	Constable 4	8/6/13
AUTHORIZED SIGNATURE	**PRINTED NAME**	**DEPARTMENT**	**DATE**

Enclosures

TABULATION SHEET –
"Computer Assisted Investigative Online Research (Law Enforcement)
CONSTABLE PCT 4
RSFQ-2013-232-07-31-MEG

Items Offered	quote good for	User(s)	Monthly Charge	Discount (if applicable)	Term of contract	Additional charges
LEADS ON LINE	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
CLEAR	90 days	1 User	Yr 1 120.00 Yr 2 126.00 Yr 3 132.30	N/A	09/01/13-08/31/16	N/A
LEXIS-NEXIS	90 days	1 User 1 User	Investigative Portal 180.00 Law Enforcement Plus Pricing 150.00		09/01/13-08/31/16	

Additional ---Lexis Nexis
Accurint Add-ons Options:

		Flat- Rate Price Option	*Transaction Price Option*
*	***Real-Time Phones***	$ 25.00 per user, per month, for unlimited searches	.50 per hit
**	***Real-Time Motor Vehicle Registrations***	$30.00 per user, per month o Includes up to 20 searches per mth, per user	$3.50 per search/input
***	***Real-Time Person search***	N/A	$3.50 per search/input

*Lexis Nexis adds updated phone records to its standard (non-real-time) database on a daily, weekly or monthly basis, depending on the source

** Lexis Nexis adds updated vehicle reistartions to its standard (non-real-time) database generally on a monthly basis. Update schedules can vary by state.

*** Lexis Nexis adds updated person-search information to its standard (non-real-time) database on daily, weekly, or monthly basis, depending on the source.

REQUEST FOR SEALED QUOTES FORM

RFSQ: 2013-232-07-31-MEG

Name of Project: Computer Assisted Investigative online Research (law enforcement) Constable Pct 4	
COMPANY NAME:	West, a Thomson Reuters business
ADDRESS:	610 Opperman Drive
CITY/STATE/ZIP:	Eagan, MN 55123
PHONE/ FAX NO.:	(651) 848-8955
REPRESENTATIVE:	Dave Laidig

FROM:	Hidalgo County Purchasing Department	
ADDRESS:	2802 S. Business Hwy 281 Edinburg, Texas 78539	QUOTE GOOD FOR 90 DAYS
PHONE FAX	Phone: (956)- 292-7000 ext 4855 Fax: (956)-292-7612	TERMS from date 9/1/13 to date 8/31/16
	Attn Elena Gomez elena.gomez@co.hidalgo.tx.us	**QUOTATIONS MUST BE RECEIVED BY: July 31 , 2013 @ 5:00 P.M email or in person**

QUANTITY	ITEM	DESCRIPTION AND DELIVERY REQUIRED	UNIT PRICE	TOTAL AMOUNT
		Monthly Charge (Year 1)		$120.00 per month*
		1 User (Year 2)		$126.00 per month*
		(Year 3)		$132.30 per month*
		Discount if applicable		
		Term in months, including applicable charges (if any)		
		Additional Charges		
		Monthly Charge		
		*See attached Price Proposal and CLEAR Order Form for additional information. These documents will be incorporated by reference into any purchase order or contract awarded to West pursuant to this Request for Quote		

SPECIAL NOTICE TO VENDORS:
1. IF UNABLE TO QUOTE, PLEASE ADVISE AT ONCE AND RETURN NO BID.
2. SHOW ABOVE QUOTE NUMBER ON ALL PROJECT CORRESPONDENCE.
3. ITEMIZE ALL UNIT PRICES AND DISCOUNTS SEPARATELY.
4. ATTACH COMPLETE SPECIFICATIONS FOR ANY SUBSTITUTIONS OFFERED.
5. WE RESERVE THE RIGHT TO ACCEPT OR PROTECT YOUR QUOTATION.
6. ALL QUOTATIONS SUBJECT TO ACCEPTANCE ON OUR USUAL PURCHASE ORDER FORMS.
7. QUOTES MUST NOT EXCEED LIMIT OF $50,000.00

AI-40081 **Purchasing Department** **16. G. 1.**

CC REGULAR

Meeting Date: 10/22/2013

Submitted For: Martha Salazar **Submitted By:** Elena Gomez, PURCHASING DEPT.

Department: PURCHASING DEPT.

Information

CAPTION

Requesting approval of agreement(s) if applicable for "Computer Assisted Investigative On-line Research Services" with West a Thomson Reuter Business for Hidalgo County HIDTA thru RFSQ 2013-232A-07-31-MEG, for 2 Users - (1st Year) 240.00 per month (2nd Year) 252.00 per month (3rd Year) 264.60 Per Month

BACKGROUND

Agreement is for 36 months

Fiscal Impact

FISCAL YEAR: 2013 **ACCT. #:** 3-1252-412-00-270-012-0-342

FUNDS AVAILABLE Y/N?: Y **MATCHING FUNDS Y/N?:** N

BUDGETARY IMPACT:

Funds available as of 10/17/2013.

FISCAL YEAR: 2013 **ACCT. #:** 3-1254-412-00-270-014-0-342

FUNDS AVAILABLE Y/N?: Y **MATCHING FUNDS Y/N?:** N

BUDGETARY IMPACT:

Funds available as of 10/17/2013.

Attachments

Agreement

Legal's approval

Participating Sheet, Tab Sheet, Quote Sheet

Form Review

Inbox	Reviewed By	Date
Purchasing Department		10/10/2013 08:17 AM
Budget & Management	Obdett Calzada	10/10/2013 01:50 PM
Obdett Calzada	Obdett Calzada	10/17/2013 02:06 PM
Auditor's Office	Monica Badillo	10/18/2013 04:51 PM

Form Started By: Elena Gomez Started On: 08/07/2013 02:21 PM

Final Approval Date: 10/18/2013

THOMSON REUTERS

Government Accounts Only

Addendum to West Order Form – CLEAR Services

Subscriber: **Hidalgo County District Attorney HIDTA Task Force**

Account #: _____

Date of Order Form/Order Notification: _____

1. **Effect of Addendum**. The underlying Research Subscriber Agreement (a copy current as of the date of this Addendum is attached hereto), West Order Form – CLEAR Services and Schedule A (collectively the "Subscriber Agreement"), between Subscriber and West is amended as specifically set forth herein to incorporate the terms of this Addendum. As amended, the Subscriber Agreement shall remain in full force and effect according to its terms and conditions. All terms used in this Addendum shall have the meanings attributed to them in the Subscriber Agreement. This Addendum supersedes any and all prior understandings and agreements, oral or written, relating to the subject matter. In the event there is a conflict between the terms and conditions of the Subscriber Agreement and the terms and conditions of this Addendum, the terms and conditions of this Addendum shall control.

2. **Modification of Order Form - Non Availability of Funds**. If Subscriber fails to receive sufficient appropriation of funds or authorization for the expenditure of sufficient funds to continue service under the Order Form, or if Subscriber receives a lawful order issued in or for any fiscal year during the Minimum Term or Renewal Term of the Order Form that reduces the funds appropriated or authorized in such amounts as to preclude making the payments set out therein, Subscriber may submit a written notice to West seeking cancellation of the service, the Subscriber Agreement and the Order Form, if permitted under applicable law. Subscriber shall provide West with notice not less than thirty (30) days prior to the date of cancellation, and shall include a written statement documenting the reason for cancellation, including the relevant statutory authority for cancelling, and an official document certifying the non-availability of funds (e.g., executive order, an officially printed budget or other official government communication). Upon West's receipt of a valid cancellation notice, Subscriber shall pay all charges incurred for any products and/or services received prior to the effective date of the cancellation (and in the case of print/CD-ROM products, return all unpaid print/CD-ROM products and updates).

3. **Termination – Right to Terminate after One Year**. Subscriber may, at its option and upon 30 days prior written notice to the other party, terminate this Subscriber Agreement after twelve months with such termination effective on the first day of the month following such 30 days.

4. **Modification to General Provisions on Order Form**. The first and second sentences of "General Provisions" on the fifth page of the form are deleted in their entirety and replaced with the following:

This Order Form is subject to approval by West Publishing Corporation ("West") in St. Paul, Minnesota and shall become effective upon verification by West of Subscriber's credentials and is governed by Texas law. The state and federal courts sitting in Texas will have exclusive jurisdiction over any claim arising from or related to this agreement.

5. **Modification to Paragraph 14. General Provisions of the Research Subscriber Agreement**. The first and second sentences of "General Provisions" are deleted in their entirety and replaced with the following:

This Agreement will be governed by and construed under the law of the state of Texas, U.S.A. without regard to conflicts of law provisions. The parties agree that the state and federal courts sitting in Texas will have exclusive jurisdiction over any claim arising out of this Agreement and each party consents to the exclusive jurisdiction of such courts.

Except as expressly provided herein, all other terms and conditions of the Subscriber Agreement will remain unchanged. Please have this document executed by an authorized representative of Subscriber and returned to West along with the Order Form.

West, a Thomson Reuters business	**Subscriber**
_____	Signed: _____
Accepted by: _____	Name (please print): _____
Title: _____	Title: _____
Date: _____	Date: _____

WEST ORDER FORM - CLEAR® SERVICES
610 Opperman Drive, P.O. Box 64833
St. Paul, MN 55164-1803
Tel: 651/687-8000

THOMSON REUTERS

REQUIRED

Check West account status below as applicable: Rep Name & Number Zach Hansen 0120718

New ____ (NACI Form attached)

Existing with no changes ____ Existing with changes ____ (Permanent name change must attach a Customer Name Change Form)

Does Subscriber have an existing West account?

☐ Yes If yes, please provide West account number _____

☐ No

Acct # _____ Quote # _____ PO # _____ Date 7-31-2013

Name/Subscriber Hidalgo County District Attorney HIDTA Task Force Bill To Acct # _____

Order Confirmation Contact Name Chris Yates

E-Mail cyates@hidtataskforce.us

CLEAR Contact Name (for delivery of Registration Keys. Individual users will also receive their Registration Keys if their e-mail addresses are provided) Chris Yates

E-Mail cyates@hidtataskforce.us Telephone 956-381-0444

CLEAR Primary Account Contact Name (general business contact) Chris Yates

E-Mail cyates@hidtataskforce.us Telephone 956-381-0444

IF NEEDED

Permanent Address Change ____ One-Time Ship To ____ Additional Ship To ____ Additional Bill To ____

Name _____ Attn: _____

Address _____ Suite/Floor _____

City _____ State ____ County _____ Zip _____

CLEAR Products

Full Svc #	CLEAR Products	# of Users/Alerts/Seatsat Subscriber's Location	Monthly Banded/ Base Rate	Per User Rate	Other	Total Monthly Charges
41011056	CLEAR with Web Analytics	2				$230.00
41343514	CLEAR Alert Band	25				$10.00

Notes:

Total Monthly Charges $ 240.00

Monthly charges ("Monthly Charges") are billed on the date West processes Subscriber's order and continue for a minimum of 12 complete calendar months ("Minimum Term"). If Subscriber elects a longer Minimum Term the Monthly Charges will be billed as set forth herein. In the event Subscriber is a corporation accessing CLEAR Services on its own behalf and on behalf of any government agency or entity, Subscriber must execute and submit to West separate agreements for each use case and be credentialed separately for each use case. Any additional users added to any existing Per User product licensed by Subscriber shall be tied to the Minimum Term of the underlying Order Form for such product(s).

_____ **Subscriber's Initials for 24 Month CLEAR Minimum Term** Subscriber agrees to commit to a Minimum Term of 24 months and the Monthly Charges for the second 12 months not to increase by more than _____% over the Monthly Charges for the initial 12 months.

_____ **Subscriber's Initials for 36 Month CLEAR Minimum Term** Subscriber agrees to commit to a Minimum Term of 36 months and the Monthly Charges for the second 12 months not to increase by more than 5 % over the Monthly Charges for the initial 12 months and Monthly Charges for the third 12 months not to increase by more than 5 % over the Monthly Charges for the second 12 months.

Non-Government Subscribers Only. Upon conclusion of the Minimum Term, the Subscriber Agreement (as defined herein) and this Order Form will automatically renew for consecutive 12-month periods ("Renewal Term"), and the Monthly Charges for the Renewal Term(s) will increase 7% per year unless either party gives written notice of cancellation to the other party at least 30 days in advance of any Renewal Term, including the first Renewal Term. Additionally, West may at its discretion provide Subscriber with notice at least 60 days in advance of any Renewal Term of a Monthly Charge increase different from 7% after which Subscriber shall have 30 days to provide West with written notice of cancellation if Subscriber does not wish to renew. Excluded Charges may be modified as set forth in the Subscriber Agreement. Subscriber is responsible for all Excluded Charges as incurred. During any Renewal Term, Subscriber's access to and use of CLEAR Services shall be governed by the Subscriber Agreement.

Government Subscribers Only. Upon conclusion of the Minimum Term, Monthly Charges are billed thereafter at up to then-current rates. Excluded Charges and Monthly Charges (after the Minimum Term) may be modified as set forth in the Subscriber Agreement (as defined herein). Subscriber is responsible for all Excluded Charges as incurred. After the Minimum Term, Subscriber's access to and use of CLEAR Services shall be governed by the Subscriber Agreement.

CLEAR Batch Transactional

Full Svc #	CLEAR Batch Products	# of Users	Other

Notes:

Access to CLEAR Batch shall begin on the date West processes Subscriber's Order and shall continue for a minimum of 12 complete calendar months thereafter ("Minimum Term"). Subscriber may elect a longer Minimum Term by his/her initials below. Monthly Charges for Subscriber's access to and use of CLEAR Batch shall begin when Subscriber first accesses CLEAR Batch and are subject to change as set forth in the Subscriber Agreement. During the Minimum Term and thereafter (including any Renewal Term) Monthly Charges for CLEAR Batch shall be billed at then-current Schedule A rates and are subject to change as set for the in the Subscriber Agreement.

Non-Government Subscribers Only. Upon conclusion of the Minimum Term, the Subscriber Agreement and this Order Form will automatically renew for consecutive 12-month periods ("Renewal Term") unless either party gives written notice of cancellation to the other party at least 30 days in advance of any Renewal Term, including the first Renewal Term. During any Renewal Term, Subscriber's access to and use of CLEAR Services shall be governed by the Subscriber Agreement.

Government Subscribers Only. Upon conclusion of the Minimum Term, Subscriber's access to CLEAR Batch shall continue at up to then current rates until terminated by either party upon 30 days written notice to the other party.

_____ **Subscriber's Initials for longer Minimum Term. Please check: ____ 24 or ____ 36 month Minimum Term.**

Office Use Only
OF instruct: Enter a discount of 100% - in the Condition Group 1 field on Additional Data A tab.

CLEAR Windows

Full Svc #	CLEAR Window Products	List	Other	Monthly Guarantee	# of Users	Monthly Window

Notes:

Monthly Charges are billed on the date West processes Subscriber's order and continue for 12 complete calendar months ("Minimum Term"). Subscriber may elect a longer Minimum Term by his/her initials below. Subscriber shall guarantee minimum Monthly Charges as set forth above ("Monthly Guarantee") regardless of Subscriber's actual usage. All CLEAR Charges shall be waived for Subscriber's actual usage in excess of the Monthly Guarantee through the window (the "Monthly Window") as set forth above. Subscriber shall pay all CLEAR Charges in excess of the Monthly Window as incurred, as well as all other applicable Monthly Charges. Monthly Charges may be modified as set forth in the Subscriber Agreement. Subscriber is responsible for all Excluded Charges as incurred. In the event Subscriber is a corporation accessing CLEAR Services on its own behalf and on behalf of any government agency or entity, Subscriber must execute and submit to West separate agreements for each use case and be credentialed separately for each use case. CLEAR Batch Window requests must be submitted at least five (5) business days prior to the end of a billing month in order to apply against the Monthly Guarantee or Monthly Window for such month.

_____ **Subscriber's Initials for 24 Month CLEAR Minimum Term** Subscriber agrees to commit to a Minimum Term of 24 months and the Monthly Guarantee for the second 12 months not to increase by more than _____% over the Monthly Guarantee for the initial 12 months.

_____ **Subscriber's Initials for 36 Month CLEAR Minimum Term** Subscriber agrees to commit to a Minimum Term of 36 months and the Monthly Guarantee for the second 12 months not to increase by more than _____% over the Monthly Guarantee for the initial 12 months and Monthly Guarantee for the third 12 months not to increase by more than _____% over the Monthly Guarantee for the second 12 months.

Non-Government Subscribers Only. Upon conclusion of the Minimum Term, the Subscriber Agreement and this Order Form will automatically renew for consecutive 12-month periods ("Renewal Term"), and the Monthly Guarantee for the Renewal Term(s) will increase 0% per year unless either party gives written notice of cancellation to the other party at least 30 days in advance of any Renewal Term, including the first Renewal Term. Additionally, West may at its discretion provide Subscriber with notice at least 60 days in advance of any Renewal Term of a Monthly Guarantee increase different from 0% after which Subscriber shall have 30 days to provide West with written notice of cancellation if Subscriber does not wish to renew. The Monthly Window shall remain unchanged. Excluded Charges may be modified as set forth in the Subscriber Agreement. Subscriber is responsible for all Excluded Charges as incurred. During any Renewal Term, Subscriber's access to and use of CLEAR Services shall be governed by the Subscriber Agreement.

Government Subscribers Only. Upon conclusion of the Minimum Term, the Monthly Charges will be billed thereafter at up to then-current rates, subject to the Monthly Guarantee. The Monthly Window shall remain unchanged. Excluded Charges and Monthly Guarantee (after the Minimum Term) may be modified as set forth in the Subscriber Agreement. Subscriber is responsible for all Excluded Charges as incurred. After the Minimum Term, Subscriber's access to and use of CLEAR Services shall be governed by the Subscriber Agreement.

Subscriber Certification Section
Required for all accounts that interact with, manage or house inmates or detainees.

Subscriber Certifications must be completed for every order, including renewals.

Subscriber by his/her initials below certifies and acknowledges understanding and acceptance of the security limits of CLEAR and Subscriber's responsibility for controlling product, Internet and network access:

_____ **Subscriber's Initials.** Functionality of CLEAR cannot and does not limit access to non-West Internet sites. It is the responsibility of Subscriber to control access to the Internet. By his/her initials, Subscriber acknowledges its understanding and acceptance of the security limits of CLEAR and Subscriber's responsibility for controlling Internet access.

_____ **Subscriber's Initials.** Subscriber certifies that it shall be responsible for controlling network access to the Internet or internal Subscriber sites. Subscriber agrees to provide its own firewall, proxy servers or other security technologies as well as desktop security to limit access to the CLEAR URL and West software. Subscriber must design, configure and implement its own security configuration.

_____ **Subscriber's Initials.** Subscriber shall not use any Data, and shall not distribute any Data to a third party for use, in a manner contrary to or in violation of any applicable federal, state, or local law, rule or regulation or in any manner inconsistent with the Subscriber Agreement.

_____ **Subscriber's Initials.** CLEAR will be accessed by Subscriber employees only for administrative or internal business purposes. All such access use will fully comply with the following restrictions:

- In no event shall anyone other than approved Subscriber employees be provided access to or control of any terminal with access to CLEAR or CLEAR data.
- Terminals with CLEAR access, access credentials, and CLEAR data will be in secured locations that do not provide inmate/detainee access.
- No access shall be outsourced or otherwise provided to third parties.
- Subscriber shall be solely responsible for ensuring that no sensitive information is made available beyond its stated permissible use.

IP Address Section
Only External IP Address(es) or Range(s) Must Be Provided

Valid External IP Addresses or IP Ranges belonging to your organization and meeting the following requirements must be provided for all CLEAR orders:

- **IP Addresses assigned to jurisdictions outside the United States or West approved U.S. Territories are prohibited.**
- **IP Addresses will not be accepted from the following ranges which are reserved by the Internet Assigned Numbers Authority for special use or private networks: 10.0.0.0 - 10.255.255.255, 127.0.0.0- 127.255.255.255, 172.16.0.0 - 172.31.255.255, 192.168.0.0 - 192.168.255.255, 169.254.0.0 - 169.254.255.255.**
- **All IP addresses must be IPv4 addresses.**

Permissible IP Address(es) will be those provided below as well as any previously provided IP Address(es) for this Subscriber

Subscriber's Internet Service Provider Name _____

Provide IP Address(es) or IP Address Range(s) below Additional page(s) may be attached if needed

Beginning IP Address _____ **Ending IP Address** _____

Beginning IP Address _____ **Ending IP Address** _____

REQUIRED

CLEAR Subscribers may receive roaming access to CLEAR by default. Roaming access permits users outside Subscriber's designated IP Address/Range. West may, at its option, block roaming access.

_____ Subscriber initials if Subscriber requests that roaming access be blocked.

If you do not know your company's external IP address(es), try the following:

1. Contact your network administration, firewall or security team
2. Contact your Internet Service Provider, ISP (i.e. Cable, DSL, Satellite, etc.)
3. Go to the following URL in your browser: http://tools.whois.net/yourip/ or http://www.whatismyip.com to identify your external IP address (NOTE: If you have multiple IP addresses, this tool will only detect one IP address)

Technical Contact for CLEAR Products (if applicable) (Contact for IP Address Issues)

Name (please print) _____

Telephone _____

E-Mail _____

IF APPLICABLE

CLEAR Users, My Account Administrator and Authorized QuickView+ User

Last Name	First Name	E-mail Address	Phone Number	IN	AD	AN	SV	TC
Yates	Chris	cyates@hidtataskforce.us	956-381-0444					

If there are additional CLEAR users additional page(s) must be submitted with the order

User Type Key		
	IN = Investigator	SV = Supervisor
	AD = Administrator	TC = Technical
	AN = Analyst	

Subscriber shall authorize which user shall be named as the My Account Administrator. Access to My Account will allow CLEAR user management, general account information and granting access to other My Account users.

Authorized My Account Administrator for CLEAR

Last Name Yates **First Name** Chris **E-Mail** cyates@hidtataskforce.us **(Required)**

Subscriber shall authorize which CLEAR users(s) shall have access to QuickView+. Actual charges billed by West may vary from charges reported on QuickView+. Subscriber shall pay charges as billed. West does not warrant and has no liability with respect to accuracy of charges or other information on QuickView+.

Authorized CLEAR Password Holder for CLEAR QuickView+

Last Name Yates **First Name.** Chris **E-Mail** cyates@hidtataskforce.us

CLEAR Renewals

Subscriber Certification Section must also be completed for all Subscribers that interact with, manage, or house inmates or detainees.
*Current Monthly CLEAR Charges is/are rate(s) in effect as of the date of this Order Form and may not be the rate(s) in effect when rate(s) for the Renewal Term is/are calculated, depending on the length of the current Minimum Term or current Renewal Term.

Sub Matl #	CLEAR Products	Current Monthly Charges*

Notes

_____ **Subscriber's Initials for 12 Month Renewal Term**** Subscriber agrees to commit to an additional 12 months and the Monthly Charges for the such additional 12 months shall be _____% more than the current Monthly Charges in effect at the end of the current Minimum Term and/or current Renewal Terms.

_____ **Subscriber's Initials for 24 Month Renewal Term**** Subscriber agrees to commit to an additional 24 months. The Monthly Charges for the first additional 12 months shall be _____% more than the Monthly Charges in effect at the end of the current Minimum Term and/or current Renewal Terms and the Monthly Charges for the second additional 12 months shall be _____% more than the Monthly Charges for the first additional 12 months.

_____ **Subscriber's Initials for 36 Month Renewal Term**** Subscriber agrees to commit to an additional 36 months. The Monthly Charges for the first additional 12 months shall be_____% more than the Monthly Charges in effect at the end of the current Minimum Term and/or current Renewal Terms and the Monthly Charges for the second additional 12 months shall be _____% more than the Monthly Charges for the first additional 12 months. The Monthly Charges for the third additional 12 months shall be _____% more than the Monthly Charges for the second additional 12 months.

** Effective at the end of the Minimum Term or current Renewal Term.

Non-Government Subscribers Only. Upon conclusion of the Renewal Term designated above, the Subscriber Agreement and this Order Form will automatically renew for consecutive 12-month periods, and the Monthly Charges for the Renewal Term(s) will increase 7% per year unless either party gives written notice of cancellation to the other party at least 30 days in advance of any Renewal Term, including the first Renewal Term. Additionally, West may at its discretion provide Subscriber with notice at least 60 days in advance of any Renewal Term of a Monthly Charge increase different from 7% after which Subscriber shall have 30 days to provide West with written notice of cancellation if Subscriber does not wish to renew. Excluded Charges may be modified as set forth in the Subscriber Agreement (as defined herein). Subscriber is responsible for all Excluded Charges as incurred. During any Renewal Term, Subscriber's access to and use of CLEAR Services shall be governed by the Subscriber Agreement.

Government Subscribers Only. Upon conclusion of the Renewal Term designated above, Monthly Charges are billed thereafter at up to then-current rates. Excluded Charges and Monthly Charges (after the Renewal Term) may be modified as set forth in the Subscriber Agreement (as defined herein). Subscriber is responsible for all Excluded Charges as incurred. After the Renewal Term, Subscriber's access to and use of CLEAR Services shall be governed by the Subscriber Agreement.

CLEAR Window Renewals

Subscriber Certification Section must also be completed for all Subscribers that interact with, manage, or house inmates or detainees.
*Current Monthly Guarantee and the Monthly Window is/are rate(s) in effect as of the date of this Order Form and may not be the rate(s) in effect when rate(s) for the Renewal Term is/are calculated, depending on the length of the current Minimum Term or current Renewal Term.

Sub Matl #	CLEAR Products	Current Monthly Guarantee*

Notes

_____ **Subscriber's Initials for 12 Month Renewal Term**** Subscriber agrees to commit to an additional 12 months and the Monthly Guarantee for the such additional 12 months shall be _____% more than the current Monthly Guarantee in effect at the end of the current Minimum Term and/or current Renewal Terms.

_____ **Subscriber's Initials for 24 Month Renewal Term**** Subscriber agrees to commit to an additional 24 months. The Monthly Guarantee for the first additional 12 months shall be _____% more than the Monthly Guarantee in effect at the end of the current Minimum Term and/or current Renewal Terms and the Monthly Guarantee for the second additional 12 months shall be _____% more than the Monthly Guarantee for the first additional 12 months.

_____ **Subscriber's Initials for 36 Month Renewal Term**** Subscriber agrees to commit to an additional 36 months. The Monthly Guarantee for the first additional 12 months shall be_____% more than the Monthly Guarantee in effect at the end of the current Minimum Term and/or current Renewal Terms and the Monthly Guarantee for the second additional 12 months shall be _____% more than the Monthly Guarantee for the first additional 12 months. The Monthly Guarantee for the third additional 12 months shall be _____% more than the Monthly Guarantee for the second additional 12 months.

** Effective at the end of the Minimum Term or current Renewal Term.

Non-Government Subscribers Only. Upon conclusion of the Renewal Term designated above, the Subscriber Agreement and this Order Form will automatically renew for consecutive 12-month periods, and the Monthly Guarantee for the Renewal Term(s) will remain unchanged unless either party gives written notice of cancellation to the other party at least 30 days in advance of any Renewal Term, including the first Renewal Term. Additionally, West may at its discretion provide Subscriber with notice at least 60 days in advance of any Renewal Term of an increase in the Monthly Guarantee after which Subscriber shall have 30 days to provide West with written notice of cancellation if Subscriber does not wish to renew. The Monthly Window shall remain unchanged during the Renewal Term(s). Excluded Charges may be modified as set forth in the Subscriber Agreement (as defined herein). Subscriber is responsible for all Excluded Charges as incurred. During any Renewal Term, Subscriber's access to and use of CLEAR Services shall be governed by the Subscriber Agreement.

Government Subscribers Only. Upon conclusion of the Renewal Term, the Monthly Charges will be billed thereafter at up to then-current rates, subject to the Monthly Guarantee. The Monthly Window shall remain unchanged. Excluded Charges and Monthly Guarantee (after the Renewal Term) may be modified as set forth in the Subscriber Agreement (as defined herein). Subscriber is responsible for all Excluded Charges as incurred. After the Renewal Term, Subscriber's access to and use of CLEAR Services shall be governed by the Subscriber Agreement.

Passwords. Any passwords issued herein may only be used by the person to whom the password is issued and sharing of passwords is STRICTLY PROHIBITED.

General Provisions for Non-Government Subscribers Only. This Order Form is subject to approval by West Publishing Corporation, ("West") in St. Paul, Minnesota shall become effective upon verification by West of Subscriber's credentials and is governed by Minnesota law. The state and federal courts sitting in Minnesota will have exclusive jurisdiction over any claim arising from or related to this agreement. Applicable sales, use, personal property, value added tax (VAT) or equivalent, ad valorem and other taxes are payable by Subscriber. Subscriber may be charged interest for overdue charges. If any charges remain unpaid 30 days after becoming due, all amounts that are or would become due and payable for the remaining term of Subscriber's Subscriber Agreement shall become immediately due and payable at the sole option of West. Interest charged may be adjusted to the then-highest current rate allowable on Minnesota contracts. This Order Form is non-transferable. All collection fees, including but not limited to attorneys fees, are payable by Subscriber. West may request a current financial statement and/or obtain consumer credit report on the undersigned individual to determine creditworthiness. West will only request consumer credit information on the undersigned if the undersigned is applying for credit as an individual or if the undersigned's consumer credit information is necessary for West to consider granting credit to the aforementioned company. If Subscriber inquires whether a credit report was requested, West will provide information of such, if a report was received and the name, address and telephone number of the agency that supplied the report.

General Provisions for Government Subscribers Only. This Order Form is subject to approval by West in St. Paul, Minnesota, and is governed by the laws of Subscriber's state. The courts sitting in Subscriber's state will have exclusive jurisdiction over any claim arising from or related to this Agreement. If Subscriber is a U.S. Federal Government subscriber, this Order Form is governed by the laws of the United States of America. Applicable sales, use, personal property, value added tax (VAT) or equivalent, ad valorem and other taxes are payable by Subscriber. This Order Form is non-transferable.

Usage Cap. In the event Subscriber's actual charges during a month exceed by more than ten times the then-current Monthly Guarantee, West may limit access to live gateways for the remainder of the month.

Returns. CLEAR charges are non-refundable.

	CLEAR Products to be Lapsed	
Full Svc #	CLEAR Products	

The Research Subscriber Agreement (located at http://legalsolutions.com/research-subscriber-agreement), the applicable Schedule A (located at http://legalsolutions.com/schedule-a-clear) is/are hereby incorporated by reference and made part of this Order Form. In the event there is a conflict between the terms and conditions of the Subscriber Agreement and Schedule A and the terms and conditions of this Order Form, the terms and conditions of this Order Form shall control. Subscriber by his/her signature below, acknowledges his/her understanding and acceptance of the terms and conditions of the Subscriber Agreement and Schedule A and this Order Form.

AUTHORIZED REPRESENTATIVE FOR ORDER FORM

Printed Name _____

Title _____

Date _____

Signature X _____

For Credit Card Transactions only: **Visa** _____ **Master Card** _____ **Am Ex** _____

Card # _____ **Expir. Date** _____ **Total Amt. to Charge** _____

Account Validation and Certification (AVC) Form
Westlaw and CLEAR (Government)

WEST®
A Thomson Reuters business

Subscriber Information

Account Number (if applicable) _____

Full Legal Name/Entity: Hidalgo County District Attorney HIDTA Task Force

Business Unit/Dept/Agency _____

The applicant's address below is (please check one): ☐ a Commercial Location ☐ a Residence (i.e. a home-based business)

Street Address: 3100 U.S. 281 Business

City: Edinburg Country (if not US) _____

State: TX Zip: 78539

Main Organization Telephone: 956-381-0444 Location/Contact/Ext Telephone _____

E-Mail Address: cyates@hidtataskforce.us Website _____

Cell Phone (if no land line available) _____ ☐ Check here if no website available

REQUIRED

ACCOUNT TYPE SECTION
Select the applicable type and continue to next step

Select Type of Government

- ☐ US – Federal
- ☐ US – State
- ☒ US – Local
- ☐ Tribal Government
- ☐ Other Government (please describe) _____

Select Type of AcademicInstitution

- ☐ Privately Funded Academic Institution (non-govt funded)
- ☐ Government Funded Academic Institution

CERTIFICATION SECTION FOR PRIVACY COMPLIANCE

Subscriber further certifies one of the following

- ☒ Subscriber is **NOT** one of the following types of companies/entities:
- ☐ Subscriber **IS** one of the following types of companies/entities: - Please select the applicable type below:

- ☐ Private Detectives (non-commercial use for private clients)
- ☐ Bail Bond Companies, Bounty Hunters
- ☐ Credit Clinics, Credit Repair/Loan Modification Companies, and Credit Counseling Firms
- ☐ Dating Services
- ☐ Diet Centers
- ☐ Internet People Locator Services, Genealogical Research Firms
- ☐ Missing Children or Adoption Search Firms
- ☐ Non-Govt Child Support Collection Companies
- ☐ Payday Lenders
- ☐ Companies involved and/or associated with inappropriate adult content web sites and/or adult-type web services.
- ☐ Condominium/Homeowners Associations
- ☐ Future Services (i.e. health clubs, country clubs, timeshares,continuity clubs, etc.)
- ☐ Library, Association or other entities providing access via Public Terminals
- ☐ Prison or Correctional Facilities providing access to inmates/detainees
- ☐ Foreign Governments, Foreign Companies
- ☐ News Agencies and Journalists
- ☐ Repossession Companies
- ☐ Weapons Dealers, Pawn Shops
- ☐ Companies on an Alert List
- ☐ Utility or telecommunications providers that sell services to consumers

Additional Certification For Compliance

☒ Subscriber certifies that it is **NOT** involved in the following:
Credit fraud, identification theft, stalking, harassment, any unethical business practices or illegal activity nor has it worked to further such activities of its customers, nor is it on the U.S. Treasury Department Office of Foreign Assets Control (OFAC) Specially Designated Nationals and Blocked Persons List.

Multiple Locations/Branches/Subsidiaries

☐ Please check here if Subscriber is subscribing to services for use at multiple locations and attach the completed Addendum to Account Validation and Certification Form-Multiple Locations ("Addendum"). Subscriber certifies that the Account Type and Privacy Compliance information provided in this AVC Form applies to all locations set forth in the Addendum and that the location information set forth in the Addendum is complete and accurate.

Permissible Use under Gramm Leach Bliley Act
Subscriber's use of the data is limited by the U.S.Gramm-Leach-Bliley Act (15 U.S.C. 6801 et. seq.) and can only be used for specific non-FCRA (Fair Credit Reporting Act) purposes. Please indicate below (check box) what permitted use(s) will apply to your research needs:

At least one permissible use must be selected to be granted access or the Subscriber must select the non- permissible use:

- ☐ Subscriber certifies there is no permissible use.
- ☐ For use by a person holding a legal or beneficial interest relating to the consumer.
- ☒ For use in complying with federal, state, or local laws, rules, and other applicable legal requirements.
- ☐ For use as necessary to effect, administer, or enforce a transaction requested or authorized by the consumer.
- ☐ For use in complying with a properly authorized civil, criminal, or regulatory investigation, subpoena, or summons by federal, state, or local authorities.
- ☐ For use to protect against or prevent actual or potential fraud, unauthorized transactions, claims, or other liability.
- ☐ For use by any Law Enforcement Agency, self regulatory organizations or for an investigation on a matter related to public safety.
- ☐ To persons acting in a fiduciary or representative capacity on behalf of the consumer.
- ☐ For required institutional risk control or for resolving consumer disputes or inquiries.
- ☐ With the consent or at the direction of the consumer.

Permissible Use under Drivers Privacy Protection Act
Subscriber's use of the data is limited by the U.S. Drivers Privacy Protection Act (18 U.S.C. §2721 et seq.) and can only be used for specific non-FCRA (Fair Credit Reporting Act) purposes. Please indicate below (check box) what permitted use(s) will apply to your research needs:

At least one permissible use must be selected to be granted access or the Subscriber must select the non- permissible use:

- ☐ Subscriber certifies there is no permissible use.
- ☒ For official use by a Court, Law Enforcement Agency or other Government agency.
- ☐ To verify or correct information provided to you by a person in order to prevent fraud, pursue legal remedies or recover a debt; skip tracing.
- ☐ For use in connection with a civil, criminal or arbitral legal proceeding or legal research.
- ☐ For use in connection with an insurance claims investigation or insurance antifraud activities.

UNMASKED OR FULL DISPLAY OF SENSITIVE PERSONAL INFORMATION SECTION
Qualified Accounts Only

Complete the below section if Subscriber requests unmasked or full display of full Security Numbers, Day of Date of Birth and/or Driver's License Wallet

- ☐ Subscriber IS NOT requesting unmasked or full display of Sensitive Personal Information.
- ☒ Subscriber IS requesting unmasked or full display of Sensitive Personal Information.

WEST PUBLISHING CORPORATION ('WEST') – AUTHORIZED SENSITIVE PERSONAL INFORMATION DISPLAY POLICY: West seeks to balance overall individual privacy needs and concerns with the legitimate personal information needs of specific entities as allowed within the provisions of the U.S. Gramm Leach Bliley Act (15 U.S.C. § 6821 et seq.) (U.S. GLB), U.S. Drivers Privacy Protection Act (18 U.S.C. §2721 et seq.) (U.S. DPPA) and other laws. As a general rule, sensitive data on West Public Records Databases is truncated. In order to help ensure that access to authorized unmasked and full display of sensitive data is warranted, West requires validation on a regular basis as necessary for each account requesting access to unmasked and full display of sensitive personal information to certify that the unmasked and full display of personal information is needed, and will only be used in connection with legitimate business. West, in its sole discretion, reserves the right to discontinue access to unmasked and full display of personal information.

CLEAR Subscribers: All CLEAR Users on this account will be granted access to the same type of sensitive personal information upon approved credentialing.
Westlaw Subscribers: Only the CLEAR users listed below will be granted access to sensitive personal information.
Please provide the names and passwords of those individuals for which unmasked access should be added or removed. Use additional page with the info below if needed.

Westlaw User			
Last Name	First name	Password (applicable only if active subscriber)	Add or Remove

Information Protection Affirmation

Subscriber shall be fully responsible for any unauthorized collection, access, use, and disclosure of Personal Information subject to this Agreement. Without limiting the foregoing, Subscriber shall employ appropriate administrative, physical, and technical safeguards in order to sufficiently protect the Personal Information and information assets and resources in question. Subscriber shall immediately notify West of any Information Protection Incident that may result in the unauthorized collection, access, use or disclosure of Personal Information subject to this Agreement. Subscriber shall make all reasonable efforts to assist West in relation to the investigation and remedy of any such Information Protection Incident and any claim, allegation, action, suit, proceeding or litigation with respect to the unauthorized access, use or disclosure of Personal Information. For purposes of its obligations hereunder, the acts or omissions of Subscriber's employees, shall also be deemed the acts or omissions of Subscriber.

Appropriate Use Standard

West provides computer devices, networks, and other electronic information systems to meet missions, goals, and initiatives and must manage them responsibly to maintain the confidentiality, integrity, and availability of its information assets. The use of any West information asset will be for legitimate business purposes only and in accordance with all applicable West corporate policies. Any access to or use of non-public personally identifiable information must be in accordance with all applicable law. No individual shall access records that require a permissible purpose unless such a purpose exists. It is your responsibility to seek guidance and clarification in case of any question about the proper use of West resources, including but not limited to the use of non-public personally identifiable information. All employees associated with the Subscriber, including all personnel must adhere to these requirements.

Initial of authorized signatory

X _____

By initialing, Subscriber certifies that it has read, understands and will comply with the terms of the Westlaw and/or CLEAR Subscriber Agreement including in particular (but not limited to) the Data Usage Restrictions. Subscriber understands that West is not a Consumer Reporting Agency and Subscriber will not use any Westlaw/CLEAR Data for any purpose regulated by the U.S. Fair Credit Reporting Act (15 U.S.C. § 1681 et seq.) or any similar statute.

Fair Credit Reporting Act (FCRA) Use Prohibited

Please acknowledge that you and authorized persons under your account(s) agree to limit the use of this information, as described above, and to comply with the provisions of the U.S. Gramm Leach Bliley Act (15 U.S.C. § 6821 et seq.) (U.S. GLB), U.S. Drivers Privacy Protection Act (18 U.S.C. §2721 et seq.) (U.S.DPPA) and all other applicable federal, state, and local laws, rules, and regulations.

I hereby certify that I am authorized to execute this Account Validation and Certification Form on behalf of the Subscriber listed above and that statements I have provided in this form are true and correct. Further, I hereby certify that the Subscriber agrees to the terms and conditions set forth in this form and understand that I may periodically be required to re-certify information provided herein but not more than once every two years.

AUTHORIZED REPRESENTATIVE FOR CERTIFICATION

Printed Name _____

Title _____

Date _____

Signature X _____

Once this document is completed and signed by an authorized representative of the Subscriber, please provide it to your West Sales Consultant with a signed order or fax to 866-294-1042 or email to west.avteredentials@thomson.com.

All information is subject to verification and approval by West.

Site Inspection contact if a different authorized representative is listed above.	
Name _____	**Telephone Number** _____



THOMSON REUTERS™

Research Subscriber Agreement

RESEARCH SUBSCRIBER AGREEMENT entered into between "Subscriber" and WEST PUBLISHING CORPORATION, a Thomson Reuters business ("West") regarding certain West research services, as follows:

1. License Grant. West grants Subscriber a non-exclusive, non-transferable, worldwide, limited license to access and use the Data (as defined below), features, services, remotely-accessed gateways, and other components of the products named and described in the Agreement (as defined below) (collectively, the "Product") in accordance with the provisions expressly set forth herein.

a. Usage. Subject to the restrictions set forth in paragraph 2 (License Restrictions) below, Subscriber may use the Product(s), including Data (as defined below) in the regular course of Subscriber's business, legal, and other research and related work subject to the limitations contained herein. "Data" means all information and representations of information, including, but not limited to, graphical representations, and other content made available to Subscriber through the Product. Subscriber may: (i) display Data internally; (ii) quote and excerpt from Data (appropriately cited and credited) by electronic cutting and pasting or other means in memoranda, briefs, reports, and similar work product created by Subscriber in the regular course of Subscriber's research and work; and (iii) to the extent not expressly prohibited by the terms of the Agreement, use Data as permitted under the fair use provision of the Copyright Act (17 U.S.C.A. § 107).

b. Storage. Subscriber may store, on a matter-by-matter basis, insubstantial portions of Data in Subscriber's database, maintained in connection with an active matter being handled by Subscriber in its regular course of business ("Project Database"). Such database must consist preponderantly of Subscriber's work product, with access to Data limited to internal users who have a need to know such information. Subscriber may maintain Data in the Project Database until the file or case becomes inactive or until any termination of the Agreement, whichever occurs first. Subscriber may also store insubstantial portions of Data in accordance with Subscriber's records retention policies, provided that such policies are in keeping with prevailing industry standards. For purposes of the Agreement, the term "insubstantial portions" means amounts of Data that (a) have no independent value other than as part of Subscriber's work product; and (b) could not be used in any way in whole or in part as a substitute for any service or product provided by West, any affiliate of West, or any third-party that licenses, contributes, or otherwise provides Data, features, or other materials to West for inclusion in the Product ("Contributor").

c. Print Outs. Provided that all printouts and other reproductions of Data retain, unaltered, all proprietary notices appearing on such reproductions, Subscriber may print, or otherwise reproduce, in hard copy form, insubstantial portions of Data in Subscriber's regular course of business and share such printouts: (i) with Subscriber's clients in relation to specific, ascertainable matters; and (ii) as required or reasonably necessary, to regulatory agencies, court officials, or parties to legal actions in which Subscriber is directly involved.

d. Electronic Distribution. Subscriber may, on an occasional basis and via Product functionality, direct West to transmit individual documents in electronic format to individual internal user(s), and to individual third parties in connection with actual, ascertainable matters being handled by Subscriber. Subscriber may also include downloaded Data in briefs prepared for a specific cause of action for a specific court in an electronic format. Distribution or dissemination of such downloaded Data in connection with, or as part of a brief must be limited to the court before which the cause of action is to be heard, the parties to the cause of action, or their representatives. All other direct transmission of electronic copies by Subscriber is prohibited.

2. License Restrictions.

a. Usage Restrictions. Subscriber may not copy, download, scrape, store, publish, post, transmit, retransmit, transfer, distribute, disseminate, broadcast, circulate, sell, resell, or otherwise use the Data, or any portion of the Data, in any form or by any means except as expressly permitted by paragraph 1 (License Grant) above, or as otherwise expressly permitted in writing by West. Subscriber shall not reverse engineer, decompile, disassemble, or otherwise attempt to discern the source code of the Products, their components, or any avenue by which Products are accessed.

b. Compliance with Applicable Law. Subscriber shall not use any Data and shall not distribute any Data to a third party for use in a manner contrary to or in violation of any applicable federal, state, or local law, rule or regulation.

c. Copyright Notices. Subscriber shall not remove or alter any copyright notices from any saved, downloaded, or otherwise reproduced Data. Subscriber shall indicate that use of, distribution, and dissemination of Data is with the permission of West.

3. Regulated Data. Certain Data available through the Products is subject to heightened regulatory scrutiny under state and federal law ("Regulated Data").

a. Regulated Data Restrictions

i. Subscriber acknowledges that West provides Regulated Data to support Subscriber's own processes and decisions, and Subscriber should not deny any service or access based solely on Regulated Data provided through the Product or results provided by West. Subscriber is responsible for any denial of services or access and Subscriber will not deny such services or access without first conducting its own appropriate internal review in conjunction with its decision-making process.

ii. West is not a consumer reporting agency, and Subscriber certifies that it will not use any Data as a factor in establishing a consumer's eligibility for credit or insurance to be used primarily for personal, family, or household purposes, for employment purposes, or for any other purpose authorized under section 1681b of the Fair Credit Reporting Act (15 U.S.C.A. § 1681b).

iii. Subscriber acknowledges that access to Regulated Data, available through the Product, including but not limited to credit header Data, motor vehicle Data, driver license Data, and voter registration Data is regulated by state or federal laws, such as the Gramm Leach Bliley Act ("GLBA"), the Driver's Privacy Protection Act ("DPPA"), or other state or federal laws and regulations, or is subject to Contributor restrictions.

iv. If Subscriber is permitted to purchase motor vehicle records ("MVR Data") from West, without in any way limiting Subscriber's obligations to comply with all state and federal laws governing use of MVR Data, the following specific restrictions apply and are subject to change:
- Subscriber shall not use any MVR Data provided by West, or portions of information contained therein, to create or update a file to the end that Subscriber develops its own source of driving history information.
- As requested by West, Subscriber shall complete any state forms that West is legally or contractually obligated to obtain from Subscriber before serving Subscriber with state MVR Data.

v. Subscriber agrees not to access Regulated Data for any purpose that is not allowed by the GLBA, by the DPPA, by any other applicable state or federal laws or regulations, or that is contrary to any Additional Terms, as defined in paragraph 5 (Additional Terms) below.

vi. Subscriber represents and warrants that it is the end user of Regulated Data and shall limit use and dissemination of Regulated Data solely to the permissible uses stated by Subscriber in the application and online (Subscriber's "Permissible Use"). Subscriber agrees to keep confidential and shall not disclose any Regulated Data except to Subscriber employees in the United States of America whose duties reasonably require access to such Regulated Data to carry out Subscriber's Permissible Use.

b. Regulated Data Usage Compliance. West retains the right to temporarily or permanently block access to certain Data if West, in its sole discretion, reasonably believes that the Data may be or has been used for an improper purpose or otherwise in violation of the terms of the Agreement, or as otherwise required by a Contributor. By accessing Data, Subscriber acknowledges that from time to time, West and its Contributors and/or various government entities will require Subscriber to identify a permissible use (if applicable) and may inquire as to Subscriber's compliance with applicable laws or the Agreement. Subscriber agrees to reasonably cooperate with any inquiry, subject to any attorney-client confidentiality. Subscriber shall immediately report to West any misuse, abuse, or compromise of Data of which Subscriber becomes aware.

c. Regulated Data Subscriber Credentials. West's provision of access to Regulated Data is contingent on West's verification of Subscriber's credentials in accordance with West's internal credentialing procedures. Subscriber shall notify West immediately of any changes to the information on Subscriber's application for Services and, if at any time Subscriber no longer meets such credentialing requirements, West may terminate Subscriber's access to Regulated Data.

d. Regulated Data Indemnification. Except as otherwise prohibited by law and without waiving any defenses to which it may be entitled, Subscriber hereby agrees to protect, indemnify, defend, and hold harmless West and all its Contributors from and against any and all costs, claims, demands, damages, losses, and liabilities (including actual attorneys' fees) arising from or in any way related to (i) the misuse of Regulated Data by Subscriber (or any other party receiving such Regulated Data from or through Subscriber); and (ii) Subscriber's breach of any representation or warranty relating to its use of or purpose in using Regulated Data.

4. Rights in Data. Except for the license granted in this Subscriber Agreement, all rights, title, and interest in the Product, including Data, in all languages, formats, and media throughout the world, including all copyrights, are and will continue to be the exclusive property of West and its Contributors.

5. Additional Terms. Certain third-party Data and features are governed by terms and conditions which are supplemental to and may be different from those set forth in this Subscriber Agreement ("Additional Terms"). Additional Terms are available for review at the following locations: http://legalsolutions.com/westlaw-additional-terms; http://legalsolutions.com/clear-additional-terms; and http://legalsolutions.com/thomson-innovation-additional-terms. In the event of a conflict between any Additional Terms and terms set forth in the Agreement, the Additional Terms will control.

6. Protection of Personal Information. West and Subscriber acknowledge that both parties may be required to comply with various privacy and security requirements, including but not limited to those set forth in paragraph 3.a. (Regulated Data Restrictions) above, the European Union Directive on Data Protection (95/46), and all other applicable legal directives and applicable industry standards (collectively "Privacy Laws") pursuant to which each party wishes to obtain certain undertakings from the other with regard to the use and protection of the Personal Information of either party. For purposes of this Subscriber Agreement, "Personal Information" shall refer to, without limitation, the following types of information: name, address, e-mail address, age, date of birth, telephone number, fax, social security number or equivalent or similar government identification numbers, credit/debit card information, bank account information, logins, passwords, or medical or health records of an identifiable human being. Each party shall be responsible for any collection, access, use, and disclosure of Personal Information subject to this Subscriber Agreement. Without limiting the foregoing, each party shall employ appropriate administrative, physical, and technical safeguards in order to sufficiently protect the Personal Information and any Information assets and resources in question. Each party shall promptly notify the other of any event that may result in the unauthorized collection, access, use, or disclosure of Personal Information subject to this Subscriber Agreement ("Information Protection Incident"). The parties shall make reasonable efforts to assist one another in relation to the investigation and remedy of any such Information Protection Incident claim, allegation, action, suit, proceeding, or litigation with respect to the unauthorized access, use, or disclosure of Personal Information. Furthermore, any access to or use of Personal Information must be in accordance with all applicable law. No individual shall access records that require a permissible purpose unless such a purpose exists for such individual. For purposes of its obligations hereunder, any acts or omissions by the personnel of each party shall also be deemed to be the acts or omissions of West and/or Subscriber, respectively.

7. Charges and Modification of Charges. Charges payable by Subscriber for access to Products ("Service Charges") will commence on the date West processes Subscriber's order. Service Charges will be as stated in an applicable Special Offer Amendment, or Order Form/Order Notification to this Subscriber Agreement, the Schedule A Price Plan, or as otherwise agreed upon in writing by the parties. Schedule A rates may be modified upon at least 30 days prior notice to Subscriber in writing or online or pursuant to the terms stated on an applicable Order Form/Order Notification. Modification of any Service Charges pursuant to this paragraph 7 shall not be considered as an amendment to this Subscriber Agreement that permits termination pursuant to paragraph 13(ii) herein. Service Charges are exclusive of applicable sales, use, value added tax (VAT) or equivalent, ad valorem, personal property and other taxes, which are the responsibility of Subscriber. Subscriber will pay all invoices in full within 30 days from date of invoice. If full payment is not made, Subscriber may be charged interest on any unpaid balance, not to exceed 1% per month.

8. Product Software and Internet Based Services.

a. Product Software. West may make available to Subscriber, on a subscription basis, software for use in connection with the Product. Such software, including new versions and the accompanying user documentation, may be referred to collectively as "Software." All Software will be licensed to Subscriber under a license agreement which will accompany the Software. By using the Software and taking such other action as may be referenced in the license agreement as constituting acceptance, Subscriber agrees to be bound by the terms and conditions of the accompanying license agreement. If Subscriber does not so agree, Subscriber must return any tangible copies of the Software in its possession or control.

b. Internet Based Services. Certain Products may be accessed via the Internet. Subscriber may use Data cached in Subscriber's local disk drive solely in support of its use of the Product via the Internet ("Internet Based Services"). Certain software used by Subscriber may not be capable of supporting Internet Based Services. The performance of Internet Based Services varies with the manufacturers' equipment with which it is used.

9. Disclaimer of Warranties. EXCEPT AS SPECIFICALLY PROVIDED IN THIS SUBSCRIBER AGREEMENT, ANY SCHEDULE, OR LICENSE AGREEMENT, ALL PRODUCTS, DATA, SOFTWARE, AND INTERNET-BASED SERVICES ARE PROVIDED "AS IS," WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF PERFORMANCE, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, ACCURACY, OMISSIONS, COMPLETENESS, CURRENTNESS, AND DELAYS.

10. Limitation of Liability. SUBSCRIBER'S EXCLUSIVE REMEDY AND WEST'S, ITS AFFILIATES, AND/OR CONTRIBUTORS' ENTIRE LIABILITY UNDER THE AGREEMENT, IF ANY, FOR ANY CLAIM(S) FOR DAMAGES RELATING TO PRODUCTS, DATA, SOFTWARE, OR INTERNET BASED SERVICES WHICH ARE MADE AGAINST THEM, INDIVIDUALLY OR JOINTLY, WHETHER BASED IN CONTRACT OR NEGLIGENCE, SHALL BE LIMITED TO THE AGGREGATE AMOUNT OF SERVICE OR SOFTWARE CHARGES PAID BY SUBSCRIBER DURING THE 12 MONTH PERIOD PRECEDING THE EVENT GIVING RISE TO SUCH CLAIM. IN NO EVENT SHALL WEST, ITS AFFILIATES, AND/OR CONTRIBUTORS BE LIABLE TO SUBSCRIBER FOR ANY CLAIM(S) RELATING IN ANY WAY TO (i) SUBSCRIBER'S INABILITY TO USE PRODUCTS, DATA, SOFTWARE, OR INTERNET BASED SERVICES, OR ITS INABILITY OR FAILURE TO PERFORM LEGAL OR OTHER RESEARCH OR RELATED WORK OR TO PERFORM SUCH LEGAL OR OTHER RESEARCH OR WORK PROPERLY OR COMPLETELY, EVEN IF ASSISTED BY WEST, ITS AFFILIATES, OR CONTRIBUTORS, OR ANY DECISION MADE OR ACTION TAKEN BY SUBSCRIBER IN RELIANCE UPON DATA; OR (ii) THE PROCURING, COMPILING, INTERPRETING, EDITING, WRITING, REPORTING, OR DELIVERING DATA. IN NO EVENT SHALL WEST, ITS AFFILIATES AND/OR CONTRIBUTORS BE LIABLE TO SUBSCRIBER FOR ANY LOST PROFITS OR OTHER CONSEQUENTIAL, EXEMPLARY, INCIDENTAL, INDIRECT, OR SPECIAL DAMAGES RELATING IN WHOLE OR IN PART TO SUBSCRIBER'S RIGHTS UNDER THE AGREEMENT EVEN IF WEST, ITS AFFILIATES AND/OR CONTRIBUTORS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. FURTHER, WEST SHALL HAVE NO LIABILITY WHATSOEVER TO SUBSCRIBER FOR ANY CLAIM(S) RELATING IN ANY WAY TO ANY THIRD PARTY FEATURE. NEITHER WEST NOR CONTRIBUTORS MAKE ANY WARRANTY THAT ACCESS TO PRODUCTS AND DATA WILL BE UNINTERRUPTED, SECURE, COMPLETE, OR ERROR FREE. NOR DOES WEST MAKE ANY WARRANTY AS TO THE LIFE OF ANY URL OR THIRD PARTY WEB SERVICE. SUBSCRIBER ACKNOWLEDGES THAT PROVISION OF PRODUCTS AND DATA ENTAILS THE LIKELIHOOD OF SOME HUMAN AND MACHINE ERRORS, DELAYS, INTERRUPTIONS, AND LOSSES, INCLUDING THE INADVERTENT LOSS OF DATA. THE DISCLAIMERS OF WARRANTY AND LIMITATIONS OF LIABILITY SET FORTH IN THIS SUBSCRIBER AGREEMENT WERE MATERIAL FACTORS IN THE DETERMINATION OF SERVICE CHARGES.

11. Responsibility for Certain Matters. Subscriber shall provide to West the office location and address associated with Subscriber's passwords issued under the Agreement. Subscriber's personnel may also access Products via home computers, laptops, or other wireless devices. Subscriber is responsible for promptly notifying West in writing of persons to whom passwords are to be issued or from whom passwords are to be revoked. Subscriber is solely responsible for maintaining security of passwords. Subscriber is also responsible for all access to and use of all Products, Data, Software, and Internet Based Services through Subscriber's account, login credentials, and/or systems, whether or not Subscriber has knowledge of or authorizes such access and use. Sharing of passwords that have been issued to individual users of Subscriber is strictly prohibited.

12. Limitation of Claims. Except for claims relating to Service Charges or improper use of Products, Data, Software, or Internet Based Services, no claim, regardless of form, which in any way arises out of the Agreement, may be made, nor such claim brought, under the Agreement more than one year after the basis for the claim becomes known to the party desiring to assert it.

13. Term and Termination. This Subscriber Agreement will become effective upon approval and acceptance by West in St. Paul, Minnesota, and will continue in force for the term set forth in an amendment or applicable Order Form/Order Notification to this Subscriber Agreement. Notwithstanding the foregoing, (i) West may terminate this Subscriber Agreement immediately upon giving written notice of termination to Subscriber if West reasonably believes that Subscriber's use of Data violates any applicable law or regulation or this Subscriber Agreement, or may result in a risk to public safety, including but not limited to the safety of private individuals; (ii) Subscriber may terminate the Agreement immediately upon giving written notice of termination to West after receiving notice of an amendment (as permitted under paragraphs 5 (Additional Terms) and 15 (Effect of Agreement)) which contains new terms that materially alter the terms of this Subscriber Agreement and are unacceptable to Subscriber; (iii) either party may terminate the Agreement immediately upon giving written notice of termination to the other party if the other party commits a material breach of this Subscriber Agreement; or (iv) West may terminate the Agreement immediately upon giving written notice of termination to Subscriber if Subscriber commits a material breach of any obligation to West under any other agreement between the parties. Upon any termination of this Subscriber Agreement, the Product Software licenses shall also terminate.

14. Effect of Agreement. This Subscriber Agreement along with all applicable current and future Schedules, Additional Terms, license agreements, Special Offer Amendment to this Subscriber Agreement or applicable Order Form/Order Notification (if any), and the like (collectively, "Agreement") embodies the entire understanding between the parties with respect to the subject matter of the Agreement and supersedes any and all prior understandings and agreements, oral or written, relating to the subject matter. Except as otherwise provided in the Agreement, West may amend the terms and conditions of this Subscriber Agreement by giving Subscriber at least 30 days prior written notice. Within 30 days of the receipt of such amendment, Subscriber may, at its option, request that the parties enter into good faith negotiations regarding the new amended terms and conditions. In the event the parties are not able to reach an agreement resulting in mutually agreeable alternative language for the amended terms and conditions within 30 days after the start of the negotiations, Subscriber may terminate this

Subscriber Agreement as set forth in paragraph 13(ii) herein. Except as expressly set forth herein, any other amendment to the Agreement must be in writing and signed by both parties.

15. Force Majeure. Each party's performance under the Agreement is subject to interruption and delay due to causes beyond its reasonable control, such as acts of God, acts of any government, war or other hostility, civil disorder, the elements, fire, explosion, power failure, equipment failure, industrial or labor dispute, inability to obtain necessary supplies, and the like.

16. Notices. Except as otherwise provided herein, all notices must be in writing to West at 610 Opperman Drive, P.O. Box 64833, St. Paul, Minnesota 55164-1803, Attention: Customer Service, and to Subscriber at the address set forth in the applicable Special Offer Amendment or Order Form/Order Notification.

17. General Provisions. The Agreement will be governed by and construed under the law of the state of Minnesota, U.S.A. without regard to conflicts of law provisions. The parties agree that the state and federal courts sitting in Minnesota will have exclusive jurisdiction over any claim arising out of the Agreement and each party consents to the exclusive jurisdiction of such courts. Neither the Agreement nor any part or portion may be assigned, sublicensed, or otherwise transferred by Subscriber without West's prior written consent. Should any provision of the Agreement be held to be void, invalid, unenforceable, or illegal by a court, the validity and enforceability of the other provisions will not be affected thereby. Failure of any party to enforce any provision of the Agreement will not constitute or be construed as a waiver of such provision or of the right to enforce such provision. The headings and captions contained in the Agreement are inserted for convenience only and do not constitute a part of the Agreement. West, as used herein, also applies to West Services Inc.

18. Feedback. Any and all Feedback that Subscriber provides to West shall become the exclusive property of West without any payment, accounting, remuneration, or attribution to Subscriber. "Feedback" means information provided, in any manner, by or on behalf of Subscriber with respect to any feature, West product or service, or their enhancement, customization, configuration, installation, or implementation, including but not limited to ideas, concepts, suggestions, materials, functions, methods, processes, and rules.

Zimbra **elena.gomez@co.hidalgo.tx.us**

Fwd: West documents

From : Darlene H. Betancourt <darlene.betancourt@co.hidalgo.tx.us> Tue, Oct 08, 2013 08:38 AM

Subject : Fwd: West documents

To : Elena Gomez <elena.gomez@co.hidalgo.tx.us>

Ms. Elena

As per our conversation, see below approval from Mr. Crain's office related to the West Publishing

Respectfully,

Darlene H. Betancourt, CPPB
Hidalgo County Purchasing Department
2808 S. Business Highway 281
Edinburg, TX. 78539

Phone: 956-292-7000 x-4852
Fax: 956-292-7612

website: www.co.hidalgo.tx.us/purchasing

From: "Steve Crain" <scrain@atlashall.com>
To: "Darlene H. Betancourt" <darlene.betancourt@co.hidalgo.tx.us>
Sent: Monday, October 7, 2013 3:20:51 PM
Subject: RE: West documents

That will work.

From: Darlene H. Betancourt [mailto:darlene.betancourt@co.hidalgo.tx.us]
Sent: Monday, October 07, 2013 3:11 PM
To: Steve Crain
Cc: Elena Gomez
Subject: Fwd: West documents

Good Afternoon Mr. crain

Pursuant to your previous comments and recommendations, West Publishing has made some of the changes, however, we are pending your final approval attached agreement from West Publishing for on-line investigative research services for HIDTA.

Respectfully,

Hidalgo County Purchasing Department
2812 S. Business Highway 281
New Administration Building
Edinburg, Texas 78539
(956) 318-2626/ Fax: (956) 318-2629

RECEIVED
AUG 07 2013
By

MEMORANDUM

(Department's Recommendation)

TO Chris Yates, Assistant Commander
Hidalgo County Criminal District Attorney H.I.D.T.A Task Force

FROM: Elena Gomez, Buyer II
Hidalgo County Purchasing Department

DATE: **August 1, 2013**

RE: **BID AWARD RECOMMENDATION REQUEST**
Bid No. 2013-232A-07-31–MEG for **HIDALGO COUNTY**
"Computer Assisted Investigative Online Research" (Law Enforcement)

We have received **ONE** qualified bid in reference with the above mentioned project. Enclosed you will find a copy of the tabulation sheet along with copy of the bid response for your review and recommendation.

We would like to present your recommendation on the next Commissioner's Count Meeting; therefore, we need your **as soon as possible.** Please indicate your recommendation or any concerns on the space provided below and reply to the Purchasing Department **via fax to (956)-318-2629 or via email to: elena.gomez@co.hidalgo.tx.us.**

Should you have any questions or require further information please do not hesitate to call me at 318-2626- ext. 4855. Thank you for your attention and cooperation to this matter.

AWARD TO VENDOR(S):	RECOMMENDATION (BASIS)
1. CLEAR	Met specifiaction at a lower cost
2.	

Please include the budget account number(s) for the above reference project.

Budget Acct No.: 3-1252-412-00-270-012-0-342
3-1254-412-00-270-014-0-342

AUTHORIZED SIGNATURE	PRINTED NAME	DEPARTMENT	DATE
	Dora L. Munoz	HIDTA Task Force	8/7/2013

Enclosures

REQUEST FOR SEALED QUOTES FORM

Commodity code 990-52 Investigative Srvs

REQUEST FOR QUOTES: 2013-232A-07-31-MEG

Name of Project: Computer Assisted Investigative online Research (law enforcement) (HIDTA)	
COMPANY NAME:	West, a Thomson Reuters business
ADDRESS:	610 Opperman Drive
CITY/STATE/ZIP:	Eagan, MN 55123
PHONE/ FAX NO.:	(651) 848-8955
REPRESENTATIVE:	Dave Laidig

FROM:	Hidalgo County Purchasing Department	
ADDRESS:	2802 S. Business Hwy 281 Edinburg, Texas 78539	QUOTE GOOD FOR 90 DAYS
PHONE **FAX**	Phone: (956)- 292-7000 ext 4855 Fax: (956)-292-7612	TERMS from date 9/1/13 to date 8/31/16
	Attn Elena Gomez elena.gomez@co.hidalgo.tx.us	QUOTATIONS MUST BE RECEIVED BY: **July 31, 2013 @ 5:00 P.M email or in person**

QUANTITY	ITEM	DESCRIPTION AND DELIVERY REQUIRED	UNIT PRICE	TOTAL AMOUNT
		Monthly Charge (Year 1)		$240.00 per month*
		2 Users (Year 2)		$252.00 per month*
		(Year 3)		$264.60 per month*
		Discount if applicable		
		Term in months, including applicable charges (if any)		
		Additional Charges		
		Monthly Charge		
		*See attached Price Proposal and CLEAR Order Form for additional information. These documents will be incorporated by reference into any purchase order or contract awarded to West pursuant to this Request for Quote		

SPECIAL NOTICE TO VENDORS:
1. IF UNABLE TO QUOTE, PLEASE ADVISE AT ONCE AND RETURN NO BID.
2. SHOW ABOVE QUOTE NUMBER ON ALL PROJECT CORRESPONDENCE.
3. ITEMIZE ALL UNIT PRICES AND DISCOUNTS SEPARATELY.
4. ATTACH COMPLETE SPECIFICATIONS FOR ANY SUBSTITUTIONS OFFERED.
5. WE RESERVE THE RIGHT TO ACCEPT OR PROTECT YOUR QUOTATION.
6. ALL QUOTATIONS SUBJECT TO ACCEPTANCE ON OUR USUAL PURCHASE ORDER FORMS.
7. QUOTES MUST NOT EXCEED LIMIT OF $50,000.00

HIDALGO COUNTY PURCHASING DEPARTMENT
PARTICIPATING BIDDER'S LOG
SPECIFICATIONS/BID PACKETS
QUOTE

QUOTE OPENING DATE: July 31, 2013 **BID OPENING TIME: 9:30 A.M.**

DEPARTMENT/BID DESCRIPTION: Computer Assisted Investigative online Research-HIDTA

BID NO: 2013-232A-07-31-MEG

NAME OF BIDDER: COMPANY/FIRM	Quote REQUEST *VIA	SIGNATURE (IF APPLICABLE) OR INITIALS OF STAFF ADDRESSING MAILOUT	DATE	ADDRESS E-MAIL & PHONE NO
Clear Zach Hansen Zachary.hansen@thomsonreuters.com	Email	Elena Gomez	07/18/13	651-244-2543 1-800-762-5272
Lexis Nexis Yette Cleveland yvette.cleveland@lexisnexis.com brent.pyle@lexisnexis.com	Email	Elena Gomez	07/18/13	214-941-7055
L.E.A.D.S Mandie Brock mbrock@leadonline.com	Email	Elena Gomez	07/18/13	972-331-8762

IN PERSON (IP)
E-MAIL (EM)
TELEPHONE REQUEST (TR)
BIDDER LIST MAIL OUT (BLM)

TABULATION SHEET –
"Computer Assisted Investigative Online Research (Law Enforcement)
HIDTA
RSFQ-2013-232-07-31-MEG

Items Offered	quote good for	User(s)	Monthly Charge	Discount (if applicable)	Term of contract	Additional charges
LEADS ON LINE	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
CLEAR	90 days	2 User	Yr 1 240.00 Yr 2 252.00 Yr 3 264.60	N/A	09/01/13-08/31/16	N/A
LEXIS-NEXIS	90 days	2 User 2 User	Investigative Portal 180.00 Law Enforcement Plus Pricing 100.00	N/A	02/1/14-01/01/17	N/A

Additional ---Lexis Nexis Accurint Add-ons Options:

		Flat- Rate Price Option	***Transaction Price Option***
*	***Real-Time Phones***	$ 25.00 per user, per month, for unlimited searches	.50 per hit
**	***Real-Time Motor Vehicle Registrations***	$30.00 per user, per month o Includes up to 20 searches per mth, per user	$3.50 per search/input
***	***Real-Time Person search***	N/A	$3.50 per search/input

*Lexis Nexis adds updated phone records to its standard (non-real-time) database on a daily, weekly or monthly basis, depending on the source

** Lexis Nexis adds updated vehicle reistartions to its standard (non-real-time) database generally on a monthly basis. Update schedules can vary by state.

*** Lexis Nexis adds updated person-search information to its standard (non-real-time) database on daily, weekly, or monthly basis, depending on the source.

AI-41029 **Purchasing Department 16. H. 1.**

CC REGULAR

Meeting Date: 10/22/2013

Submitted For: Renan Ramirez, IT Director **Submitted By:** Renan Ramirez, IT DEPARTMENT

Department: IT DEPARTMENT

Information

CAPTION

Authorization for the use of the County's Justice Court Technology Fund for the purchase of technological equipment for the JP offices.

BACKGROUND

We are upgrading aged infrastructure, telephone and time clock equipment, which at this point is over six years old.

Fiscal Impact

FISCAL YEAR: **ACCT. #:**

FUNDS AVAILABLE Y/N?: **MATCHING FUNDS Y/N?:**

BUDGETARY IMPACT:

Available funds in JP Tech. fund balance as of 10/18/2013.

Attachments

AG Opinion

Quote - Ticket writer paper & parts

Quote - Netwrok equipment

Quote - Telephone equipment

Quote - Software

Quote - Time Clocks

Legal Counsel - OK to use email

Form Review

Inbox	Reviewed By	Date
Purchasing Department	Obdett Calzada	10/16/2013 09:50 AM
IT	Renan Ramirez	10/16/2013 03:30 PM
Purchasing Department	Nielda Cavazos	10/18/2013 10:32 AM
Budget & Management	Obdett Calzada	10/18/2013 01:56 PM
Budget & Management	Obdett Calzada	10/18/2013 01:57 PM
Auditor's Office	Monica Badillo	10/18/2013 04:51 PM

Form Started By: Renan Ramirez Started On: 10/01/2013 01:07 PM

Final Approval Date: 10/18/2013

ATTORNEY GENERAL OF TEXAS
GREG ABBOTT

August 6, 2007

The Honorable Steven M. Hollis
Jasper County Criminal District Attorney
121 North Austin Street, Room 101
Jasper, Texas 75951

Opinion No. GA-0560

Re: Whether the Justice Court Technology Fund may be used to purchase technology equipment and to provide training for constables (RQ-0569-GA)

Dear Mr. Hollis:

You ask whether Jasper County's Justice Court Technology Fund ("Fund"), created under article 102.0173, Code of Criminal Procedure, may be expended on a computer for a constable.[1] *See* Tex. Code Crim. Proc. Ann. art. 102.0173 (Vernon 2006). You also ask whether the Fund may be expended on continuing education and training for a constable. *See* Request Letter, *supra* note 1, at 1. You inform us that a justice of the peace asked the commissioners court to purchase desktop computer systems for his office and for the office of the constable serving the same county precinct. *See id.* The justice of the peace proposes that the Fund be used to pay for both computers. *See id.*

I. Article 102.0173, Code of Criminal Procedure

Article 102.0173 requires a county commissioners court to establish a justice court technology fund from fees paid by defendants convicted of a misdemeanor offense in justice court. *See* Tex. Code Crim. Proc. Ann. art. 102.0173(a), (c) (Vernon 2006). Subarticle (d) limits the use of a justice court technology fund:

> (d) A fund designated by this article may be used *only to finance*:
>
> (1) the cost of continuing education and training for justice court judges and clerks regarding technological enhancements for justice courts; and
>
> (2) the purchase and maintenance of technological enhancements for a justice court, including:
>
> (A) computer systems;
>
> (B) computer networks;
>
> (C) computer hardware;
>
> (D) computer software;
>
> (E) imaging systems;
>
> (F) electronic kiosks;
>
> (G) electronic ticket writers; and
>
> (H) docket management systems.

Id. art. 102.0173(d) (emphasis added).

In construing a statute, one looks "first to the 'plain and common meaning of the statute's words.'" *State ex rel State Dep't of Highways & Pub. Transp. v. Gonzalez*, 82 S.W.3d 322, 327 (Tex. 2002) (quoting *Fitzgerald v. Advanced Spine Fixation Sys., Inc.*, 996 S.W.2d 864, 865 (Tex. 1999)). "If a statute's meaning is unambiguous, we generally interpret the statute according to its plain meaning." *Id.*

A Texas court of appeals has found the terms "only" and "purely" to be synonymous with the term "exclusively." *See Standard Oil Co. v. State*, 142 S.W.2d 519, 522 (Tex. Civ. App.--Eastland 1940, writ

ref'd); *see also* Webster's Universal College Dictionary 555 (1997) (term "only" is defined to mean "without others or anything further; alone; solely; exclusively . . . ."). And the term "finance" has been construed to mean "to raise or provide funds or capital for" or "to furnish with necessary funds." *Jordan v. State*, 816 S.W.2d 89, 92 (Tex. Crim. App. 1991) (quoting Webster's Ninth New Collegiate Dictionary 463 (1985)); *see also* Webster's Universal College Dictionary 301 (1997) (defining finance to mean "to supply with money or capital; obtain money or credit for").

Thus, in accordance with the plain language of article 102.0173(d), the Fund may be used exclusively to provide funds or capital for (1) the cost of certain continuing education and training for justice court judges and clerks, and (2) the purchase and maintenance of technological enhancements for a justice court.

II. Analysis

A. Computer for Constable

Any computers and other technological enhancements purchased under article 102.0173(d) must be for the benefit of the justice court. You argue that "constables, although a separate office, have traditionally been treated as an extension of justice courts." Request Letter, *supra* note 1, at 1. Thus, you suggest, the Fund may be used to purchase a computer for a constable because of that office's relationship to the justice court. *Id.*

We disagree with your conclusion, while recognizing that a constable has certain statutory duties related to the justice court. For example, he is required to attend each justice court held in the precinct. *See* Tex. Loc. Gov't Code Ann. § 86.021(e) (Vernon Supp. 2006). A constable may also perform duties related to calling a jury for the justice court. *See* Tex. Gov't Code Ann. §§ 62.004(a) (Vernon Supp. 2006) ("The district clerk and the sheriff or any constable of the county shall draw the names of the prospective jurors for a justice court . . . ."); .012(b)(2) (Vernon 2005) (the sheriff or constable shall receive the list of jurors to be summoned for a justice court jury); .412(c) (authority of justice of the peace to command the sheriff or constable to immediately summon additional persons for jury service). The constable must serve process directed to him by any lawful officer, including a justice of the peace. *See* Tex. Loc. Gov't Code Ann. § 86.021(a) (Vernon Supp. 2006); *see also* Tex. R. Civ. P. 536 (any sheriff, constable, or other person authorized by law may serve process for justice court). Further, we recognize constables may, in the exercise of some duties, be an integral part of the judicial process. *See Byrd v. Woodruff*, 891 S.W.2d 689, 707 (Tex. App.--Dallas 1994, writ denied); *see also Merritt v. Harris County*, 775 S.W.2d 17, 23 (Tex. App.--Houston [14th Dist.] 1989, writ denied) ("[Constables] are considered under the control of the court in enforcing a court order.")

The constable's role in relation to the justice court does not, however, mean that a constable is equivalent to the justice court. *See Merritt*, 775 S.W.2d at 23 ("As officers of the court, [constables] are under a duty to execute process *and are not a tribunal to determine doubtful questions of fact.*") (emphasis added); *see also Belcher v. Cassidy Bros. Live-Stock Comm'n Co.*, 62 S.W. 924, 925-27 (Tex. Civ. App.--Fort Worth 1901, writ denied) (court could not order sheriff or constable to exercise judicial power necessary to partition commingled cattle).

The office of constable is autonomous, distinct from the office of justice of the peace. A constable is elected to a constitutionally established office and his statutory duties to serve process and attend the justice court are conferred upon him and not on the justice court. *See* Tex. Const. art. V, § 18(a) (providing for the election of one constable in each precinct of each county for a term of four years); *see also* Tex. Loc. Gov't Code Ann. § 86.021(a), (e) (Vernon Supp. 2006). Even in serving process a constable may exercise some discretion. *See* Tex. Loc. Gov't Code Ann. § 86.022 (Vernon 1999). A constable is moreover a peace officer with the attendant authority and responsibilities of that office. *See* Tex. Code Crim. Proc. Ann. art. 2.12(2) (Vernon Supp. 2006); *see also Vondy v. Comm'rs Ct.*, 714 S.W.2d 417, 421 (Tex. App.--San Antonio 1986, writ ref'd n.r.e.). Thus, he has duties unrelated to the justice court, which require him to exercise his official discretion. *See Carpenter v. Barner*, 797 S.W.2d 99, 101 (Tex. App.--Waco 1990, writ denied).

As we have determined, a constable is not a mere extension of the justice court and a constable's relationship to the justice court is not sufficient to authorize expenditures from the Fund for the constable. We do not, however, rule out the possibility that a computer for a constable might in some circumstances serve as a technological enhancement for a justice court. Whether it would serve such a purpose in this particular instance is a question of fact that the commissioners court must determine in the first instance and is not appropriately resolved in the opinion process. *See* Tex. Code Crim. Proc. Ann. art. 102.0173(e) (Vernon 2006) (justice court technology fund is administered by or under the direction of the commissioners court); Tex. Att'y Gen. Op. No. GA-0533 (2007) at 5 (explaining that

resolving questions of fact is not appropriate for the opinion process).

B. Continuing Education and Training for Constable

We next consider whether the Fund may be used to pay for continuing education and training for constables. According to the plain language of subarticle (d), expenditures for specific training and educational costs can be made *only* for the benefit of "justice court judges and clerks." Tex. Code Crim. Proc. Ann. art. 102.0173(d)(1) (Vernon 2006). A justice of the peace serves as the justice court judge. *See* Tex. Const. art. V, § 18; Tex. Gov't Code Ann. §§ 27.001-.059 (Vernon 2004 & Supp. 2006); *see also Bunker v. State*, 177 S.W. 108, 113 (Tex. Crim. App. 1915) ("The court held by the justice of the peace under authority of the Constitution and laws of this state, is known and generally called the 'justice court'. . . ."). Justice court clerks are those designated as such pursuant to Government Code section 27.056. *See* Tex. Gov't Code Ann. § 27.056 (Vernon 2004). Because the office of constable is neither a justice of the peace nor a justice court clerk, the Fund may not be expended for a constable's continuing education and training.

SUMMARY

The Justice Court Technology Fund established under Code of Criminal Procedure article 102.0173 may be used only for technological enhancements for the justice court and continuing education and training for justice court judges and clerks regarding technological enhancements. Whether the purchase of a computer for a constable serves as a technological enhancement for the justice court is a fact question to be determined by the commissioners court in the first instance. The Fund may not, however, be used to finance continuing education and training for a constable.

Very truly yours,



GREG ABBOTT
Attorney General of Texas

KENT C. SULLIVAN
First Assistant Attorney General

NANCY S. FULLER
Chair, Opinion Committee

Susan L. Garrison
Christy Drake-Adams
Assistant Attorney Generals, Opinion Committee

Footnotes

1. *See* Letter from Honorable Steven M. Hollis, Jasper County Criminal District Attorney, to Honorable Greg Abbott, Attorney General of Texas, at 1 (Feb. 8, 2007) (on file with the Opinion Committee, *also available at* http://www.oag.state.tx.us) [hereinafter Request Letter]; *see also* Memorandum attached to Request Letter from Honorable Mark W. Allen, Jasper County Judge, to Honorable Steven M. Hollis, Jasper County Criminal District Attorney (Feb. 7, 2007).

Appendix C to DIR Contract No. DIR-SDD-1365
Pricing Index

Product Line	Customer Discount
Mobile Digital Video Products	
Arbitrator In Car Video Solution	26%
Accessories	13%
Mounting Equipment	6%
Panasonic Rugged Toughbooks	16%
Related Services	
Extended Warranty	0%
Installation	6%

RICOH USA, Inc.
P.O. Box 660342
Dallas, TX 75266-0342

RICOH
imagine. change.

September 24, 2013

Hidalgo County

Quote: Phase 1 Add On Items

Professional Services: Jim Hodson
Account Executive: Aissa Garcia
Quote Number PANASONIC DIR 1365

Line Item #	Quantity	Description	Unit Price	MSRP	Ext. Price	Discount
1 Accessories	20	PZ4201000D-DS / Zebra 4inch Paper 1000D, Low-Temp (Qty 36 rolls)	$77.00	$89.00	$1,540.00	13.48%
2 Mounting Equipment	1	C-HDM-102-DS / Mounting Base, Chevrolet Tahoe/GMC 00-12	$73.59	$93.45	$73.59	21.25%
3 Mounting Equipment	1	C-HDM-109-DS / 2012 Ford Expedition HD Vevicle Mount	$73.59	$93.45	$73.59	21.25%
		Tax Details/EXEMPT $0.000			$0.00	
		Please attach a copy of this quote to your purchase order. The pricing of this proposal is good for 30 days from the date of the sales quote. All product and pricing information is based on latest information available, which is subject to change without notice or obligation.			**$ 1,687.18**	

Notes:
Requested Delivery Date: On or before 10/31/13
State of Texas DIR Contract # DIR-SDD-1365
Please deliver to:
Hidalgo, County Of
Attn. Renan Ramirez
100 E. Cano, 4th Floor
Edinburg, TX 78539
Contact: Renan Ramirez - Office: 956-289-7444 - Cell: 956-457-0792

Insight Public Sector
6820 South Harl Avenue
Tempe, A 85283

Sales Rep : Diana Berger
Phone: 956-451-8628
diana.berger@insight.com

Design Associate: Jason Sawyers
Phone: 800-467-4448 ext 6735
Fax: 480-760-6232
jsawyers@insight.com

Cisco C2960S Stackable Switches
DIR Contract#_____DIR-SDD-1369_____

Department of Information Resources

Sales Quote: Q90313JS
Date: **10/1/2013**
Buyer: **County of Hidalgo**
Name: **Juan DeLeon**
Phone: **956-292-7010**
Email: juan@co.hidalgo.tx.us

Part Number	Description	Quantity	List Price	Discount	Unit Price	Extended Price
WS-C2960S-48FPS-L	Cisco Catalyst 2960S 48 GigE PoE 740W 4 x SFP LAN Base	2	$ 6,595.00	44.50%	$ 3,660.23	$ 7,320.45
CON-SNT-2960S4FS	Cisco SMARTNET 8X5XNBD Cat 2960S Stk48 GigE PoE 740W4xSFP Base	2	$ 396.00	30.50%	$ 275.22	$ 550.44
CAB-16AWG-AC	Cisco AC Power cord 16AWG	2	$ -	0.00%	$ -	$ -
C2960S-STACK	Cisco Catalyst 2960S FlexStack Stack Module optional for LAN Base	2	$ 1,195.00	44.50%	$ 663.23	$ 1,326.45
CAB-STK-E-0.5M	Cisco FlexStack 50cm stacking cable	2	$ -	0.00%	$ -	$ -
PWR-CLP	Cisco Power Retainer Clip For Cisco 3560-C and 2960-C Compact Swit	2	$ -	0.00%	$ -	$ -
GLC-SX-MMD=	Cisco 1000BASE-SX SFP transceiver module MMF 850nm DOM	2	$ 500.00	44.50%	$ 277.50	$ 555.00
			$ -	0.00%	$ -	$ -
WS-C2960S-48TD-L	Cisco Catalyst 2960S 48 GigE 2 x 10G SFP+ LAN Base	5	$ 5,595.00	44.50%	$ 3,105.23	$ 15,526.13
CON-SNT-2960S4TD	Cisco SMARTNET 8X5XNBD Cat2960S Stk48 GigE2x10G SFP+ LAN Base	5	$ 336.00	30.50%	$ 233.52	$ 1,167.60
PWR-CLP	Cisco Power Retainer Clip For Cisco 3560-C and 2960-C Compact Swit	5	$ -	0.00%	$ -	$ -
CAB-16AWG-AC	Cisco AC Power cord 16AWG	5	$ -	44.50%	$ -	$ -
C2960S-STACK	Cisco Catalyst 2960S FlexStack Stack Module optional for LAN Base	5	$ 1,195.00	0.00%	$ 1,195.00	$ 5,975.00
CAB-STK-E-0.5M	Cisco FlexStack 50cm stacking cable	5	$ -	0.00%	$ -	$ -
GLC-SX-MMD=	Cisco 1000BASE-SX SFP transceiver module MMF 850nm DOM	5	$ 500.00	44.50%	$ 277.50	$ 1,387.50
			$ -	0.00%	$ -	$ -
			$ 16,312.00			

Sales Quote is valid for 30 days

TOTAL **$33,808.57**

TERMS AND CONDITIONS

Transaction is governed by the applicable contract between Insight Public Sector and the Texas Department of Information Resources
Pursuant to that contract, the warranties and disclaimers located at the following URL apply to this transaction: www.insight.com/pages/legal.web#

The above referenced contract and warranties and disclaimers are hereby incorporated herein by this reference.
INSIGHT PUBLIC SECTOR SPECIFICALLY OBJECTS TO ANY ADDITIONAL TERMS BEING ADDED THROUGH A PURCHASE ORDER OR OTHER SIMILAR DOCUMENT OR COMMUNICATION (A 'PURCHASE ORDER'). BY ORDERING ANY OF THE ITEMS IDENTIFIED HEREIN, CUSTOMER AGREES THAT ANY ADDITIONAL TERMS CONTAINED IN A PURCHASE ORDER SHALL NOT BECOME PART OF THE AGREEMENT BETWEEN THE PARTIES AND SPECIFICALLY THAT THE TERMS AND CONDITIONS CONTAINED HEREIN OR INCORPORATED HEREIN BY REFERENCE SHALL SUPERSEDE ANY CONFLICTING, CONTRARY, OR ADDITIONAL TERMS AND CONDITIONS IN A PURCHASE ORDER.

RICHLINE TECHNICAL SERVICES

Richline Technical Services
114 Mesquite Street
Corpus Christi, TX 78401
361.882.6297

ShoreTel Quote	*Version 14*
Quote Number, Revision:	U9513-CNBB, Rev. 1
Purchase Order #:	
Date:	10/2/2013
Quote Valid Until:	11/1/2013
Currency:	US Dollar
Payment Terms:	
Customer ID:	
Prepared By:	Josh Richline

Prepared For: Hidalgo County Courthouse
100 East Cano
4th Floor
Edinburg TX 78539
Noah Lopez: 956.292.7010
noah.lopez@co.hidalgo.tx.us

Ship-to: Hidalgo County Courthouse
Noah Lopez
100 East Cano
4th Floor
Edinburg TX 78539
956.292.7010

Part Number	Description	Qty	Unit List	Ext List	Unit Cost	Ext Cost
ShoreTel Telephones						
SHO-10437	ShoreTel IP Phone IP480 (725-57)	75	$ 299.00	$ 22,425.00	$ 233.22	$ 17,491.50
ShoreWare Application Server						
SHO-29148	ShoreTel 14 (Controlled Release)	1	$ -	$ -	$ -	$ -
ShoreTel Services						

Comments: DIR Contract #: DIR-SDD-1603 (Richline Technical Services, LLC Vendor ID:14605204313): DIR Contract includes all equipment, support and labor (if applicable) quoted above.

Product Subtotal:	$	17,491.50
Shipping Estimate:	$	450.00
Total:	**$**	**17,941.50**

ShoreTel

526 University Drive East, Suite 201 A, College Station, Texas 77840
t. 979.690.2811 f. 713.583.9323

ESTIMATE

Number AAAQ1230-0

Date Oct 3, 2013

Sold To	Ship To	Your Sales Rep
County of Hidalgo IT Department 100 E. Cano St. 4th Floor/ IT Department Edinburg, TX 78541 United States **Phone** (956) 292-7012 **Fax**	**County of Hidalgo IT Department** 100 E. Cano St. 4th Floor/ IT Department Edinburg, TX 78541 United States **Phone** (956) 292-7012 **Fax**	Gerald Giesenschlag 979-690-2811 ext 1531 geraldg@brazostech.com

Terms	P.O. Number	Ship Via

Line	Qty	Description	Unit Price	Ext. Price
1	1		$0.00	$0.00
2	1	Module: NCIC/TLETS Message Switch	$1,500.00	$1,500.00
3	20	License: NCIC/TLETS Message Switch License per Device	$250.00	$5,000.00

Note - Recurring Annual Maintenance Fees for TLETS is $250 annually per device.

SubTotal	$6,500.00
Tax	$0.00
Shipping	$0.00
Total	**$6,500.00**

SIGNATURE _____

TITLE _____

DATE _____

CONTRACT C-12-172-04-10

SIGN AND FAX APPROVED ESTIMATE TO (713) 583-9323. THANK YOU!!

Accu-Tech®
We're Known by the Companies We Keep

Quote Info

Accu-Tech Quote #: 01849
Accu-Tech Sales Rep: ALTON BALENTINE
Date: 10/15/2013

Quote Description: Miy Touch

Quote Prepared For

Company: Hidalgo County
Contact: Noah Lopez
Phone:
Fax:
Customer #: PPPPPP

www.accu-tech.com

THANK YOU FOR THE OPPORTUNITY TO QUOTE THE FOLLOWING!

www.accu-tech.com

Item No.	Quantity	U.O.M.	Accu-Tech Part No.		Product Description	Avail.	Vendor	Unit Price	Ext. Price
1	10	EA	N/S MIY-TOUCH-2-020	MIY-TOUCH-2-0200	FINGERPRINT ACCESS TIME CLOCK		3M	$835.00	$8,350.00

Terms are Net30 unless otherwise arranged. This quote may be withdrawn by Accu-Tech if not accepted within 30 days. All availability quoted is subject to prior sales. All returns are subject to a restocking charge. Special constructions & catalog deviations on parts are non-cancelable & non-returnable. Shipping & Handling charges may apply unless otherwise indicated. FOB Destination valid only for shipments within the 48 contiguous States. Plus or minus ten percent (+/- 10%) on all cuts including fiber, copper, & duct. Sales tax is not included on this quote.

Page Total **$8,350.00**

Grand Total **$8,350.00**

Special Notes:

Prepared By:
ALTON BALENTINE

ACCU-TECH CORPORATION

Authorized Signature:_____ Date Accepted:_____

Phone:
Fax:

Zimbra **renan.ramirez@co.hidalgo.tx.us**

RE: JP Tech fund purchase

From : Josephine L. Ramirez <josephine.ramirez@da.co.hidalgo.tx.us> Thu, Oct 10, 2013 11:04 AM
Subject : RE: JP Tech fund purchase jptech
To : 'Renan Ramirez' <renan.ramirez@co.hidalgo.tx.us>
Cc : 'Edna Kirby' <edna.kirby@co.hidalgo.tx.us>, 'Martha Salazar' <martha.salazar@co.hidalgo.tx.us>
Reply To : josephine ramirez <josephine.ramirez@da.co.hidalgo.tx.us>

Renan,

As our office previously opined, citing reference to Attorney General Opinion GA-0560, the Justice Court Technology Fund established under Article 102.0173 of the Texas Code of Criminal Procedure may be used only for technological enhancements for the justice court and continuing education and training for justice court judges and clerks regarding technological enhancements. To the extent the purchase of the network infrastructure, telephone and time clocks meets the requirements of Art. 102.0173(d) of the Texas Code of Criminal Procedure, it would be an approved expense. Since the fund is under the direction of the Commissioners Court, they must make the determination to authorize the expense.

Josephine Ramirez Solis
Assistant Criminal District Attorney
County Affairs Section
Office of Criminal District Attorney
Hidalgo County, Texas
100 N Closner Rm 303
Edinburg, TX 78539
(956) 318-2313 ext. 3823
(956) 318-2079 FAX
josephine.ramirez@da.co.hidalgo.tx.us

****
The information contained in this e-mail may be 1.SUBJECT TO THE ATTORNEY-CLIENT PRIVILEGE; 2.ATTORNEY WORK PRODUCT; and/or 3.CONFIDENTIAL. It is intended only for the individual or entity designated above. Any distribution, copying, or use of or reliance upon the information contained in this e-mail by or to anyone other than the recipient designated above by the sender is unauthorized and strictly prohibited. **IF YOU HAVE RECEIVED THIS COMMUNICATION IN ERROR, PLEASE ADVISE THE SENDER BY REPLY E-MAIL TO josephine.ramirez@da.co.hidalgo.tx.us AND DELETE THE COMMUNICATION.**
****

From: Renan Ramirez [mailto:renan.ramirez@co.hidalgo.tx.us]
Sent: Wednesday, October 09, 2013 2:44 PM
To: josephine ramirez
Cc: Edna Kirby; Martha Salazar
Subject: JP Tech fund purchase

Josie,

I have created agenda item 41029 for the purchase of network infrastructure, telephone and time clocks for the nine Justice of the Peace offices. At this point in time their current equipment is six years old and in need of replacement.

Please review the item and if you can write me the customary "approved" email.

Thanks!

Renán Ramirez
Chief Information Officer
County of Hidalgo, Texas
956-289-7444

AI-41162 **Purchasing Department 16. H. 2.**

CC REGULAR

Meeting Date: 10/22/2013

Submitted By: Rocio Villarreal, PURCHASING DEPT.

Department: PURCHASING DEPT.

Information

CAPTION

Requesting approval to correct total amount of $16,852.00 to $16,853.00 from approved agenda on 5/7/13, on the client support and software update service agreement with Tyler Technologies, Inc.

BACKGROUND

Fiscal Impact

FISCAL YEAR: 2013 **ACCT. #:** 3-1100-415-00-200-002-0-336

FUNDS AVAILABLE Y/N?: Y **MATCHING FUNDS Y/N?:** N

BUDGETARY IMPACT:

Funds available through PO# 693903 as of 10/17/2013.

Attachments

Agenda Item 38370

Approved and executed-Tyler Technologies agreement

Form Review

Inbox	Reviewed By	Date
Purchasing Department	Darlene Betancourt	10/11/2013 10:11 AM
Budget & Management	Obdett Calzada	10/11/2013 01:33 PM
Obdett Calzada	Obdett Calzada	10/17/2013 02:28 PM
Auditor's Office	Monica Badillo	10/18/2013 04:51 PM

Form Started By: Rocio Villarreal Started On: 10/09/2013 02:05 PM

Final Approval Date: 10/18/2013

AI-38370 **Purchasing Department** **20. D. 1.**

CC REGULAR

Meeting Date: 05/07/2013

Submitted By: Rocio Villarreal, PURCHASING DEPT.

Department: PURCHASING DEPT.

Information

CAPTION

Requesting approval to enter into a client support and software update service agreement with Tyler Technologies, Inc. in the total amount of $16,852.00.

BACKGROUND

Fiscal Impact

FISCAL YEAR: 2013 **ACCT. #:** 3-1100-415-00-200-002-0-336

FUNDS AVAILABLE Y/N?: Y **MATCHING FUNDS Y/N?:** N

BUDGETARY IMPACT:

Funds available in the amount of $90,692.57 as of 4/29/2013.

FISCAL YEAR: **ACCT. #:**

FUNDS AVAILABLE Y/N?: **MATCHING FUNDS Y/N?:**

BUDGETARY IMPACT:

REq# 235579

Attachments

legal review

Agreement

Form Review

Inbox	Reviewed By	Date
Purchasing Department	Darlene Betancourt	04/25/2013 11:11 AM
Budget & Management	Angela Garcia	04/25/2013 01:28 PM
Obdett Calzada	Obdett Calzada	04/29/2013 03:31 PM
Auditor's Office	Monica Badillo	05/03/2013 05:16 PM

Form Started By: Rocio Villarreal Started On: 04/23/2013 03:50 PM

Final Approval Date: 05/03/2013

Client Support and Software Update Services Agreement

Client Installation Location:
Hidalgo County Courthouse
Edinburg, Texas

Commencement Date: 1/1/2013
System Administrator: Renan Ramirez
Phone Number: (956) 318- 2151

Tyler Technologies, Inc. ("Tyler") agrees to provide and **Hidalgo County, Texas** ("Client") agrees to accept Client Support and Software Update Services on the item(s) listed below, at the quarterly charge indicated. The terms and conditions of this Agreement are set forth on the face hereof and in the Terms and Conditions appearing on the reverse side of this agreement.

Software Product Description	Quarterly Charge
Criminal Case Management — County-wide	$2,981
Court Administration – County-wide	$1,894
Sheriff	$2,981
CID	$315
CJIS – County-wide	$347
CJIS – EDR	$725
Justice of the Peace with Electronic Conviction Reporting	$2,898
Word Merge	$126
Mugshots	$367
Prosecutor	$1,041
Server & Systems Support (Hardware)	$308
Child Support	$1,960
Hot Checks	$910

This agreement shall become a binding contract between the parties when accepted by the signature of an officer of Tyler at its home office. CLIENT IS ADVISED TO READ THE TERMS AND CONDITIONS APPEARING ON THE REVERSE SIDE OF THIS AGREEMENT BEFORE SIGNING BELOW.	**Total Quarterly Charge**	**$ 16,853**

Client

Ramon Garcia
Contact Name (Print)

County Judge
Title/Position

Ramon Garcia
Authorized Signature

Date

Tyler Technologies, Inc.

Bret Dixon
Contact Name (Print)

Chief Operating Officer
Title/Position

Authorized Signature

6.7.13
Date

Approved by Commissioners' Court
on 5-7-13 RO

Terms and Conditions

1. Definitions
(a) Equipment. The computer hardware, including the central processing unit on which Software is installed, and any other Tyler supplied peripheral equipment at the location of software installation.

(b) Software. Any Software product licensed to Client by Tyler under a separate agreement for which Tyler offers its Client Software Update and Client Support services, which Software is identified in writing on the face of this document. Software may include machine readable code (object code) written in any language on any media, source code of listing, and any improvements, modifications, enhancements, changes or updates to such code or listings provided to Client by Tyler.

(c) System. The Equipment and the Software that are defined in 1(a) and 1(b) above.

2. Term
(a) This Agreement is effective from the Commencement Date and shall continue for an initial term of six months. After the initial term, this Agreement shall remain in force until terminated by either party for any or all the products listed on the face of this agreement upon ninety days (90) prior written notice to the other party.

3. Eligibility for Service Agreement
(a) Software is eligible for inclusion under this Agreement immediately upon Tyler's installation of Software, expiration of Tyler's Software warranty, or expiration of an existing Tyler Software Update and Client Support Service Agreement.

(b) Service under this Agreement is contingent upon:

(1) The Software being unmodified and properly maintained at the latest Tyler revision.

(2) The System containing at least the minimum hardware configuration and prerequisite software as specified by Tyler.

(3) All Software being covered by Software warranty or by this Agreement, if such coverage is available. Software licensed after the Commencement Date of this Agreement may be subject to additional charge(s) for coverage under this Agreement.

4. Service Responsibilities of Tyler
For the charges stated herein, Tyler shall provide the following Software Update and Client Support services:

(a) Software updates and enhancements to the covered Software made generally available by Tyler to its Clients during the term of this Agreement shall be provided as product releases on Tyler's standard media. Software updates and enhancements include:

(1) Program modifications required due to legislative changes.

(2) Program changes required to use Tyler's standard forms.

(3) Fixes to reported software problems.

(4) General enhancements to covered Software, which Tyler deems to be included in the standard system.

(b) Improvements and revisions to reference manuals or documentation made generally available by Tyler to its Clients during the term of this agreement.

(c) Remote diagnostics of problems with covered Software.

(d) Periodic review of outstanding enhancement requests and bug reports.

(e) Telephone assistance, telephone number(s) will be provided to the Client. Contact to enable communication with a Tyler Specialist during the hours of 8:30 AM to 5:00 PM. local Dallas, Texas time, Monday through Friday, exclusive of Tyler holidays. Tyler will use reasonable efforts to respond to the Client Contact call within four working hours assisting with:

(1) Identifying, verifying, and resolving problems in the Software.

(2) Identifying and verifying problems with the Equipment used in connection with the Software.

(3) Installation of Software releases.

5. Services Not Included
(a) No on-site Software Updates or Client Support services are included under this Agreement. Any on-site service requested by the Client or required due to software changes, operating system upgrades, training, or other assistance will be provided at Tyler's per-call rates and terms then in effect.

(b) Services not covered by this Agreement include, but are not limited to, failure of Equipment, failure of non-Tyler supplied software, failure of Software caused by non-Tyler provided hardware, failure of Software due to Equipment operation, catastrophe, fault, or negligence of Client, operation error, improper use or misuse of the System or any part thereof, or any other causes beyond the control of Tyler and occurring without the fault or negligence of Tyler.

6. Responsibilities of Client

(a) Client agrees to appoint a System Administrator to be responsible for the overall operation of the System and individual Product Administrator(s) to be responsible for the operation of each product identified on the face of this agreement to function as the primary contact between Client and Tyler.

(b) Client acknowledges all Software changes, improvements, enhancements or updates (and each of them) provided by Tyler are subject to the same License Agreement under which Client obtained a license to the Software, including all terms and conditions thereof, and Client agrees to abide by such License Agreement.

(c) Client agrees to maintain the Software to the latest revision level.

(d) Client agrees to provide adequate training to its employees and further agrees to assign to the use of the system only those employees who have received adequate training.

(e) Client agrees to allow remote access by Tyler for purposes of software support including VPN access.

7. Charges
(a) Charges will be invoiced each quarter in advance and will be payable on the first day of the quarterly service period for which the Tyler invoice is rendered.

(b) Charges for the preparation of each release will be invoiced at such time as the release is prepared at Tyler's then current release charge.

(c) Charges do not include any tax or other governmental impositions including, without limitation, sales and use tax. All such cost, if any, shall be invoiced separately to client, and client shall pay the same.

8. Limitation of Liability and Warranty
(a) Tyler's liability for damages arising out of or in connection with this Agreement whether based on a theory of contract or tort, including negligence and strict liability, shall be limited to two (2) times the total charges paid or payable during one (1) year under this Agreement.

(b) No action arising out of or in connection with this Agreement whether based on a theory of contract or tort, including negligence and strict liability, may be brought or instituted by either party more than two (2) years after the cause of action accrues.

(c) In no event shall Tyler be liable to Client for (i) indirect, remote, incidental, special, exemplary, punitive or consequential damages, (ii) damages due to causes beyond the reasonable control of Tyler or (iii) damages resulting from loss of use of the System or any part thereof, loss or damage to Client source data, loss of revenue or destruction, or loss of materials provided to Tyler by client.

(d) THE RIGHTS AND REMEDIES OF CLIENT SET FORTH HEREIN ARE EXCLUSIVE AND IN LIEU OF ANY AND ALL OTHER RIGHTS AVAILABLE AT LAW OR IN EQUITY. Tyler DISCLAIMS ALL WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR OR INTENDED PURPOSE.

9. General
(a) Client recognizes that Tyler invests considerable time and expenses in training Tyler employees. Should Client directly or indirectly contract with or hire any Tyler employee, Client shall immediately pay to Tyler four (4) month's salary for each employee hired or contracted with and Tyler shall be entitled to any other modification or amendment to this agreement as shall be equitable under the circumstances.

(b) If either party neglects, fails or refuses to perform any of its obligations under this Agreement, and such failure continues for a period of twenty (20) days after written notice thereof, the other party shall have the right to discontinue performance and the right to terminate this Agreement.

(c) This Agreement supersedes all prior Software Update and Client Support service agreements and understandings between the parties with respect to any services covered by this Agreement, and may not be changed except by written instrument signed by both parties unless specifically permitted herein to the contrary and may not be terminated except by written notice.

(d) It is expressly understood and agreed that if either party, on any occasion fails to perform any term of this Agreement, and the other party does not enforce that term, the failure to enforce on that occasion shall not prevent enforcement on another occasion.

(e) This Agreement shall be governed, interpreted and enforced in accordance with the laws of the State of Texas. This Agreement is performable in Hidalgo County, Texas.

10. Entirety of Agreement and Amendments.
(a) This Service Agreement contains all of the representations, warranties, and promises of the parties relating to the subject matter hereof, whether oral or written, and supersedes all representations, warranties, and promises of the parties relating to the subject matter hereof which predate this Service Agreement.

(b) This Service Agreement may only be amended, modified or changed by written instrument signed by both parties hereto.

AGENDA
CC REGULAR
HIDALGO COUNTY
COMMISSIONERS COURT
MEETING
May 7, 2013
9:30 A.M.

NOTICE is hereby given in accordance with Chapter 551, Texas Government Code, that a SPECIAL MEETING of the Commissioners' Court will be held at the Edinburg Council Chambers 415 W. University Drive, Edinburg, Hidalgo County, Texas. Discussion and possible action relating to the following business will be transacted:

1. Roll Call

All members of the Court were counted present.

2. Pledge of Allegiance

Judge Garcia led the Court and Audience in reciting the Pledge of Allegiance.

3. Prayer

Virginia Townsend led the Court and Audience in Prayer.
Judge Garcia then asked for a moment of silence in memory of Kevin Cardoza, Army Specialist.

4. Approval of Consent Agenda

The Court moved to approve the Consent Agenda.

5. Open Forum

-Opal Billman expressed concerns on her imprisonment and lack of dismissal of case from the 275th District Court.
-Jim Barnes commented on the Commuter Rail Board and HB 2423.
-Fern McClaugherty requested clarification on personnel policy and item 10.B., and asked that the Court consider the tax burden that is being placed on the residents.
-Frank Traver discussed the commuter rail.
-Virginia Townsend also expressed concerns on the possible tax increase by the Hospital District, New CourtHouse, STC.
-The Court recognized Mario Jorge, Texas Dept. of Transportation District Engineer for being honored with the 2013 Urban County Hidalgo County Leadership Award.

6. County Judge's Office:

A. Report on bills before the Texas Legislature of interest to Hidalgo County

Rick Alvarez informed the Court that today marks the 119th day of Legislation and will end May 30th.

Vote: 3 - 0 - Unanimously

2. Acceptance and approval of "Amendment" to the AIA B101-2007 Standard Form of Agreement (C-11-097A-02-28) with Dannenbaum Engineering Company for the purposes of "Building Repairs/Renovations, Additions and/or Alterations to the Hidalgo County Restitution Center located at 1124 "M" Road, Edinburg, Texas within Hidalgo County Precinct No. 4" to modify "original scopes/plans" to renovate to house Hidalgo County Precinct No. 4 (Field Staff which includes Drainage and Road & Bridge) with an increase in Architectural fees in the amount of ($ 13,094.00).

On motion by COMMISSIONER, PCT. 3 JOE M. FLORES, seconded by COMMISSIONER, PCT. 1 A.C. CUELLAR, JR. , the Court made a UNANIMOUS vote of approval.

Vote: 3 - 0 - Unanimously

D. IT Department:

1. Requesting approval to enter into a client support and software update service agreement with Tyler Technologies, Inc. in the total amount of $16,852.00.

E. Colonia Access Program Pct. 3

1. Presentation and recommendation by project engineer, Javier Hinojosa Engineering to award to lowest bidder meeting all specifications: Reim Construction, Inc. in the amount of $255,390.25 for Bid No. CAP-13-048-02-13-YSI "Road & Drainage Construction for Ramirez, Ramirez II, & Ramirez III Subdivisions."

Judge Garcia joined the meeting.

On motion by COMMISSIONER, PCT. 3 JOE M. FLORES, seconded by COMMISSIONER, PCT. 1 A.C. CUELLAR, JR. , the Court made a UNANIMOUS vote of approval.

Vote: 3 - 0 - Unanimously

21. Closed Session:
Commissioners' Court may go into Closed Session pursuant to Chapter 551, Texas Government Code, Sections 551.071 & 551.072 to discuss the following:

Judge Garcia joined the meeting.

On motion by COMMISSIONER, PCT. 2 HECTOR PALACIOS, seconded by seconded by COMMISSIONER, PCT. 3 JOE M. FLORES , the Court made a UNANIMOUS vote of approval to go into Closed Session.

AI-41303 **Closed Session 17. C.**

CC REGULAR

Meeting Date: 10/22/2013

Submitted By: Monica Badillo, EXECUTIVE OFFICE

Department: EXECUTIVE OFFICE

Information

CAPTION

Planned Parenthood, et al v. Greg Abbott, Attorney General for the State of Texas, Rene Guerra, Hidalgo County District Attorney, et al

BACKGROUND

Form Review

Inbox	Reviewed By	Date
Budget & Management	Obdett Calzada	10/17/2013 04:12 PM
Purchasing Department	Monica Badillo	10/18/2013 04:51 PM

Form Started By: Monica Badillo Started On: 10/17/2013 01:24 PM

Final Approval Date: 10/18/2013

AI-41340 **Closed Session 17. D.**

CC REGULAR

Meeting Date: 10/22/2013

Submitted For: Roberto Villarreal **Submitted By:** SANDRA DELEON, COUNTY JUDGE

Department: COUNTY JUDGE

Information

CAPTION

Deliberation regarding the following Economic Development Negotiations pursuant to Chapter 551, Texas Government Code, Section 551.087: Project Domain

BACKGROUND

Form Review

Inbox	Reviewed By	Date
Budget & Management	Obdett Calzada	10/18/2013 03:45 PM
Glinda Pacheco	Obdett Calzada	10/18/2013 03:46 PM
Purchasing Department	Monica Badillo	10/18/2013 04:51 PM

Form Started By: SANDRA DELEON Started On: 10/18/2013 03:39 PM

Final Approval Date: 10/18/2013

AI-41278 **Closed Session 17. E.**

CC REGULAR

Meeting Date: 10/22/2013

Submitted For: Valde Guerra **Submitted By:** Aida Alvarez, SAFETY DIVISION

Department: SAFETY DIVISION

Information

CAPTION

Claim of Maria E. Gonzalez

BACKGROUND

Form Review

Inbox	Reviewed By	Date
Budget & Management	Obdett Calzada	10/16/2013 04:29 PM
Purchasing Department	Monica Badillo	10/18/2013 04:51 PM

Form Started By: Aida Alvarez Started On: 10/16/2013 02:30 PM

Final Approval Date: 10/18/2013

AI-41280 **Closed Session 17. F.**

CC REGULAR

Meeting Date: 10/22/2013

Submitted For: Valde Guerra **Submitted By:** Aida Alvarez, SAFETY DIVISION

Department: SAFETY DIVISION

Information

CAPTION

Claim of Candido Bocanegra

BACKGROUND

Form Review

Inbox	Reviewed By	Date
Budget & Management	Obdett Calzada	10/16/2013 04:29 PM
Purchasing Department	Monica Badillo	10/18/2013 04:51 PM

Form Started By: Aida Alvarez Started On: 10/16/2013 02:34 PM

Final Approval Date: 10/18/2013

AI-41324 **Closed Session 17. G.**

CC REGULAR

Meeting Date: 10/22/2013

Submitted For: Valde Guerra **Submitted By:** Aida Alvarez, SAFETY DIVISION

Department: SAFETY DIVISION

Information

CAPTION

Claim of Leonor Ortiz Torres & Yessica Rojas Ortiz

BACKGROUND

Form Review

Inbox	Reviewed By	Date
Budget & Management	Obdett Calzada	10/18/2013 02:01 PM
Purchasing Department	Monica Badillo	10/18/2013 04:51 PM

Form Started By: Aida Alvarez Started On: 10/18/2013 09:54 AM

Final Approval Date: 10/18/2013

AI-41304 **Open Session 18. C.**

CC REGULAR

Meeting Date: 10/22/2013

Submitted By: Monica Badillo, EXECUTIVE OFFICE

Department: EXECUTIVE OFFICE

Information

CAPTION

Planned Parenthood, et al v. Greg Abbott, Attorney General for the State of Texas, Rene Guerra, Hidalgo County District Attorney, et al

BACKGROUND

Form Review

Inbox	Reviewed By	Date
Budget & Management	Obdett Calzada	10/17/2013 04:11 PM
Purchasing Department	Monica Badillo	10/18/2013 04:51 PM

Form Started By: Monica Badillo Started On: 10/17/2013 01:26 PM

Final Approval Date: 10/18/2013

AI-41341 **Open Session 18. D.**

CC REGULAR

Meeting Date: 10/22/2013

Submitted For: Roberto Villarreal **Submitted By:** SANDRA DELEON, COUNTY JUDGE

Department: COUNTY JUDGE

Information

CAPTION

Deliberation regarding the following Economic Development Negotiations pursuant to Chapter 551, Texas Government Code, Section 551.087: Project Domain

BACKGROUND

Form Review

Inbox	Reviewed By	Date
Budget & Management	Obdett Calzada	10/18/2013 03:47 PM
Purchasing Department	Monica Badillo	10/18/2013 04:51 PM

Form Started By: SANDRA DELEON Started On: 10/18/2013 03:40 PM

Final Approval Date: 10/18/2013

AI-41279 **Open Session 18. E.**

CC REGULAR

Meeting Date: 10/22/2013

Submitted For: Valde Guerra **Submitted By:** Aida Alvarez, SAFETY DIVISION

Department: SAFETY DIVISION

Information

CAPTION

Claim of Maria E. Gonzalez

BACKGROUND

Form Review

Inbox	Reviewed By	Date
Budget & Management	Obdett Calzada	10/16/2013 04:29 PM
Purchasing Department	Monica Badillo	10/18/2013 04:51 PM

Form Started By: Aida Alvarez Started On: 10/16/2013 02:31 PM

Final Approval Date: 10/18/2013

AI-41281 **Open Session 18. F.**

CC REGULAR

Meeting Date: 10/22/2013

Submitted For: Valde Guerra **Submitted By:** Aida Alvarez, SAFETY DIVISION

Department: SAFETY DIVISION

Information

CAPTION

Claim of Candido Bocanegra

BACKGROUND

Form Review

Inbox	Reviewed By	Date
Budget & Management	Obdett Calzada	10/16/2013 04:29 PM
Purchasing Department	Monica Badillo	10/18/2013 04:51 PM

Form Started By: Aida Alvarez Started On: 10/16/2013 02:36 PM

Final Approval Date: 10/18/2013

AI-41325 **Open Session 18. G.**

CC REGULAR

Meeting Date: 10/22/2013

Submitted For: Valde Guerra **Submitted By:** Aida Alvarez, SAFETY DIVISION

Department: SAFETY DIVISION

Information

CAPTION

Claim of Leonor Ortiz Torres & Yessica Rojas Ortiz

BACKGROUND

Form Review

Inbox	Reviewed By	Date
Budget & Management	Obdett Calzada	10/18/2013 02:01 PM
Purchasing Department	Monica Badillo	10/18/2013 04:51 PM

Form Started By: Aida Alvarez Started On: 10/18/2013 09:56 AM

Final Approval Date: 10/18/2013