



PUBLIC ANNOUNCEMENT AND GENERAL INFORMATION

**WILLIAMSON COUNTY PURCHASING DEPARTMENT
SOLICITATION**

Break Room Remodel for Williamson County Justice Center

BIDS MUST BE RECEIVED ON OR BEFORE:

Mar 1, 2016 3:00:00 PM CST

BIDS WILL BE PUBLICLY OPENED:

Mar 1, 2016 3:00:00 PM CST

Notice is hereby given that sealed Bids for the above-mentioned goods and/or services will be accepted by the Williamson County Purchasing Department. Williamson County uses BidSync to distribute and receive bids. Specifications for this IFB may be obtained by registering at www.bidsync.com.

Williamson County prefers and requests electronic submittal of this bid.

All electronic bids must be submitted via: www.bidsync.com

All interested Bidders are invited to submit a Bid in accordance with the Instructions and General Requirements, Bid Format, Bid Specifications, and Definitions, Terms and Conditions stated in this IFB.

Bidders are strongly encouraged to carefully read this entire IFB.

Electronic bids are requested, however paper bids will currently still be received, until further notice and may be mailed or delivered to the address listed below.

Please note that a complete package must be submitted choosing one of the above two methods. Split packages submitted will be considered "unresponsive" and will not be accepted or evaluated.

- ✓ If mailed or delivered in person, Bids and Bid addenda are to be delivered in sealed envelope on or before the submittal deadline, as noted in the 'Public Announcement and General Information' listed above for this IFB, to:

Williamson County Purchasing Department
Attn: **IFB NAME AND NUMBER**
901 South Austin Avenue
Georgetown, Texas 78626

- ✓ Bidders should list the Bid Number, Bid Name, Name and Address of Bidder, and the Date of the Bid opening on the outside of the box or envelope and note "Sealed Bid Enclosed."
- ✓ Bidder should submit one (1) original; **AND** one (1) CD **OR** (1) USB copy of the Bid.
- ✓ **Williamson County will not accept any Bids received after the submittal deadline, and shall return such Bids unopened to the Bidder.**
- ✓ Williamson County will not accept any responsibility for Bids being delivered by third party carriers.
- ✓ Facsimile transmittals will NOT be accepted.
- ✓ Bids will be publicly opened and read aloud in the Williamson Purchasing Department at the time and date indicated above.
- ✓ All submitted questions with their answers will be posted and updated on www.bidsync.com.
- ✓ It is the Bidder's responsibility to review all documents in BidSync including any addenda that may have been added after the document packet was originally released and posted.
- ✓ Any addenda and/or other information relevant to the IFB will be posted on www.bidsync.com.
- ✓ The Williamson County Purchasing Department takes no responsibility to ensure any interested Respondent has obtained any outstanding addenda or additional information.
- ✓ Williamson County will NOT be responsible for unmarked or improperly marked envelopes.

Bid 1601-048

Break Room Remodel for Williamson County Justice Center

Bid Number **1601-048**
 Bid Title **Break Room Remodel for Williamson County Justice Center**
 Expected Expenditure **\$95,000.00** (This price is expected - not guaranteed)

Bid Start Date **In Held**
 Bid End Date **Mar 1, 2016 3:00:00 PM CST**
 Question & Answer End Date **Feb 26, 2016 5:00:00 PM CST**

Bid Contact **Connie Singleton**
512-943-1553
csingleton@wilco.org

Contract Duration **120 days**
 Contract Renewal **Not Applicable**
 Prices Good for **90 days**
 Pre-Bid Conference **Feb 17, 2016 10:30:00 AM CST**
Attendance is optional
Location: Williamson County Justice Center
405 Martin Luther King Dr.
Georgetown, TX 78626
Go to main entrance - through Security, meeting will begin from the lobby.

Bid Comments **Break Room Remodel for Williamson County Justice Center**
Williamson County is seeking qualified companies to furnish all labor, materials to add 3 break room areas to the ends of existing hallways at the Williamson County Justice Center. Provide all services required to complete remodeling project per. the plans and specifications.
BID CHECK LIST

If entering an electronic bid in BIDSYNC (PREFERRED), the following documents **MUST** be completed and attached to FIRST LINE ITEM.

Pricing/Bid Form - enter total on first line item and attach the completed Bid Form.

IFB (Bid) Affidavit – fillable form – complete and accept
Conflict of Interest Form – fillable form – complete and accept
References - fillable form – complete and accept
Bid Bond – see details below

If delivering a paper bid instead of electronic; the above listed documents must be completed and delivered in a sealed envelope, addressed to:

Williamson County Purchasing
Attn: Break Room Remodel Wilco Justice Center #1601-048
901 South Austin Ave
Georgetown, TX 78626.

BIDS THAT ARE SUBMITTED PARTIALLY ELECTRONIC VIA BIDSYNC and PARTIALLY PAPER WILL BE DISQUALIFIED.

BID BOND REQUIRED

Bidders are not required to use Surety 2000 for your Bid Bond supplier, however; when bidding electronically in Bidsync and you choose to use Surety 2000, you may import your bid bond directly from the Surety 2000 web site.

To use a different bond provider you MUST:

Scan the completed bond

Download the completed bond to the line item of this bid with your other required documents.

On all bids requiring a bid bond – you **MUST** supply the bond according to the instructions below or your bid will be disqualified.

All Bids shall be accompanied by either:

A bid bond not less than five percent (5%) of the total maximum bid price, from a surety company authorized to do business in the state of Texas.

OR

A certified cashier's check: payable without recourse to Williamson County and drawn upon a National or State bank in an amount not less than five percent (5%) of the total maximum bid price;

For unit price contracts, the total maximum bid price shall be estimated and calculated by multiplying the estimated quantities to the unit bid price.

Bid bonds other than Surety 2000 must be attached to the line item of the electronic bid OR submitted in the same sealed envelope with a paper Bid. Bids requiring a bid bond and submitted without a cashier's check or a bid bond will not be considered.

TIME OF PERFORMANCE

This project is to be substantially completed in Ninety (90) calendar days and finally completed in One Hundred and Twenty (120) calendar days after the Notice to Proceed.

LIQUIDATED DAMAGES for failure to substantially complete the work within the allotted time will be applied.

Liquidated damages for this project are \$300 per calendar day.

PERFORMANCE AND PAYMENT BONDS

To the extent this IFB is for the procurement of a public work contract, the following shall apply:

Chapter 262.032 of the Texas Local Government Code governs the requirements for performance bonds for government entities making public work contracts. A performance bond is required if the contract is in excess of \$100,000 and is to be made for the full amount of the contract.

Chapter 2253.021 of the Texas Government Code governs the requirements for payment bonds for government entities making public work contracts. A payment bond is required if the contract is in excess of \$25,000 and is to be made for the full amount of the contract.

The bonds are to be executed and delivered to the County prior to issuing Notice to Proceed. The bonds must be executed by a corporate surety or sureties in accordance with the Texas Insurance Code. For unit price contracts, the total contract price shall be estimated and calculated by multiplying the estimated quantities to the Bidder's unit bid price.

If the public works contract is less than \$50,000, the performance bond will not be required as long as the contract provides that payment is not due until the work is completed and accepted by the County.

CONTRACT ADMINISTRATION

Gary Wilson, (or successor), Director of Facilities, Williamson County 3101 S.E. Inner Loop Rd, Georgetown, Texas shall serve as Williamson County's Contract Administrator with designated responsibility to ensure compliance with the requirements of the Contract and any ensuing Agreement, such as but not limited to, acceptance, inspection and delivery. The Contract Administrator will serve as liaison between the Williamson County Commissioners Court and the Successful Bidder.

The Successful Bidder agrees to maintain insurance in accordance with this IFB.

Successful Bidder will be required to submit Certificates of Insurance prior to being awarded the Contract. A copy of the issued policy should be submitted to the Purchasing Department within 60 days of the contract award date.

All certificates of insurance coverage as specified below must be provided to Williamson County at the following address:

Williamson County
901 South Austin Avenue
Georgetown, Texas 78626

Failure to comply with these Insurance Requirements may result in the termination of the Contract and any

By signing its Bid, the Successful Bidder agrees to maintain at all times during any term of the Contract and any ensuing Agreement, at Successful Bidder's cost, insurance in accordance with this provision.

Worker's Compensation	Statutory – Texas Law
Employer's Liability:	

Comprehensive general liability including completed operations and contractual liability insurance for bodily injury, death, or property damages in the following amounts:

Comprehensive automobile and auto liability insurance (covering owned, hired, leased and non-owned vehicles):

E. Umbrella Coverage: \$1,000,000

Item	1601-048--01-01 - BASE BID TOTAL
Quantity	1 each
Unit Price	<input type="text"/>
Delivery Location	Williamson County, Texas <u>Building Maintenance</u> 3101 SE Inner Loop Rd Georgetown TX 78626 Qty 1

Enter Total for Base bid here.

Item	1601-048--01-02 - TOTAL ALTERNATE #1
Quantity	1 each
Unit Price	
Delivery Location	Williamson County, Texas <u>Building Maintenance</u> 3101 SE Inner Loop Rd Georgetown TX 78626 Qty 1

p. 5

Enter Total for Alternate #1 (Add break room labeled as L1-A at the first floor hallway)

Item **1601-048--01-03 - TOTAL ALTERNATE #2**

Quantity **1 each**

Unit Price

Delivery Location

Williamson County, Texas

Building Maintenance

3101 SE Inner Loop Rd

Georgetown TX 78626

Qty 1

Description

Enter Total for Alternate **#2** (Add Break room labeled as area L2-A at the Second Floor Hallway)

12/20/2016 10:41 AM

p. 2

D

C

B

A

5

4

3

2

1

TENANT IMPROVEMENT FOR:

WILCO JUSTICE CENTER BREAK ROOMS

405 MARTIN LUTHER KING DR., GEORGETOWN, TEXAS 78626

ARCHITECT

MODE DESIGN COMPANY
109 S. HARRIS STREET, SUITE 200
ROUND ROCK, TX 78664
512|713-1150
RYAN@MODEDC.US

PROJECT TEAM

MEP ENGINEER

STAR OF TEXAS ENGINEERING
2851 JOE DIMAGGIO BLVD., SUITE 9
ROUND ROCK, TX 78665
512|739-8844
DWILLIAMS@STAROFTEXASENGINEERING.COM

CODE ANALYSIS:

CURRENT CODES:

2012 INTERNATIONAL BUILDING, FIRE, PLUMBING, FUEL GAS, MECHANICAL, EXISTING BUILDING AND PROPERTY MAINTENANCE CODES
2000 IECC
2014 NATIONAL ELECTRICAL CODE

SECTION 302:

OCCUPANCY CLASSIFICATION ACCESSORY TO A-2 COURTROOM OCCUPANCY

TABLE 1004.1.2:

OCCUPANT LOAD

1A

260 SF / 15 NET = 18 OCCUPANTS

2A

361 SF / 15 NET = 24 OCCUPANTS

2B

365 SF / 15 NET = 24 OCCUPANTS

SECTION 1014.3:

COMMON PATH OF EGRESS TRAVEL = 75 FEET

SECTION 1015.1:

NUMBER OF EXITS REQUIRED = 1 EXIT

TABLE 1016.2:

EXIT ACCESS TRAVEL DISTANCE = 200 FEET

SHEET INDEX

ARCHITECTURAL

A-0.1 ACCESSIBILITY DIAGRAMS
A-0.2 ABBREVIATIONS AND NOTES
A-0.3 LIFE SAFETY PLAN
A-1.0 TEMPORARY CONSTRUCTION PLAN
A-1.1 FIRST FLOOR PLAN
A-1.2 SECOND FLOOR PLAN
A-2.0 L1-A ENLARGED PLANS/INTERIOR ELEV. & DETAILS- ALT. #1
A-2.1 L1-A INTERIOR ELEVATIONS- ALT. #1
A-3.0 L2-A ENLARGED PLANS/INTERIOR ELEV. & DETAILS- ALT. #2
A-3.1 L2-A INTERIOR ELEVATIONS- ALT. #2
A-4.0 L2-B ENLARGED PLANS/INTERIOR ELEV. & DETAILS- BASE BID
A-4.1 L2-B INTERIOR ELEVATIONS- BASE BID
A-5.0 TYPICAL DETAILS

MECHANICAL

M1.0 MECHANICAL SCHEDULES
M2.1 FLOOR PLANS - HVAC
M3.1 MECHANICAL DETAILS
M4.1 MECHANICAL SPECIFICATIONS

ELECTRICAL

E0.0 ELECTRICAL SYMBOLS, ABBREVIATIONS & SHEET INDEX
E0.1 ELECTRICAL GENERAL NOTES
E0.2 ELECTRICAL SPECIFICATIONS
E0.3 ELECTRICAL SPECIFICATIONS
E0.4 ELECTRICAL SPECIFICATIONS
E0.5 ELECTRICAL SPECIFICATIONS
E0.6 ELECTRICAL SPECIFICATIONS
E2.0 2ND FLOOR OVERALL PLAN
E2.1 ELECTRICAL POWER PLAN
E2.2 ELECTRICAL LIGHTING PLAN
E4.1 ELECTRICAL DETAILS
E5.1 ELECTRICAL ONE-LINE DIAGRAM & SCHEDULES

PLUMBING

P1.0 SYMBOLS/LEGEND & ABBREVIATIONS - PLUMBING
P2.1 FLOOR PLANS - PLUMBING
P3.1 PLUMBING DETAILS



109 S | harris street | round rock
suite 200 | texas 78664
ryan@modedc.us | www.modedc.us
+1 512 733 1150



Ryan Hansanuma
12/21/2015

TENANT IMPROVEMENT FOR:

WILCO JUSTICE CENTER BREAK ROOMS
405 MARTIN LUTHER KING DR., GEORGETOWN, TEXAS 78626

PROJECT PHASE

CONSTRUCTION DOCUMENTS

REVISIONS

PROJECT NUMBER

15116-00

DATE ISSUED

12/21/2015

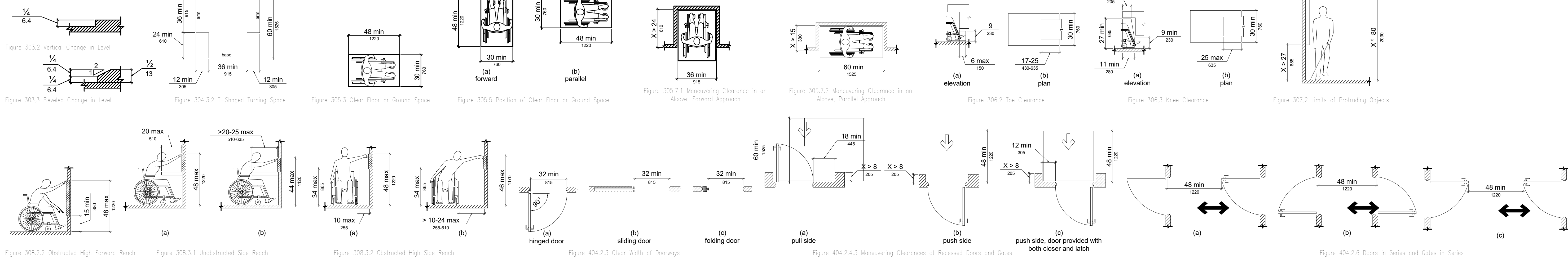
SHEET TITLE

COVER SHEET

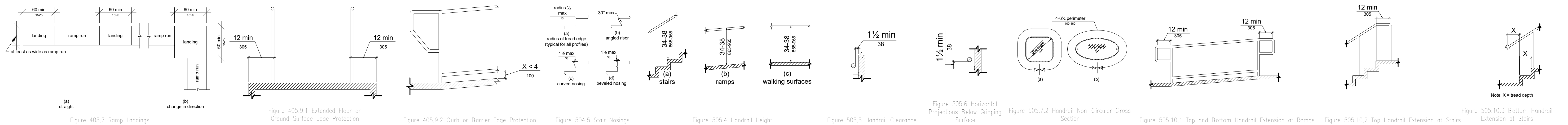
SHEET NUMBER

A-0.0

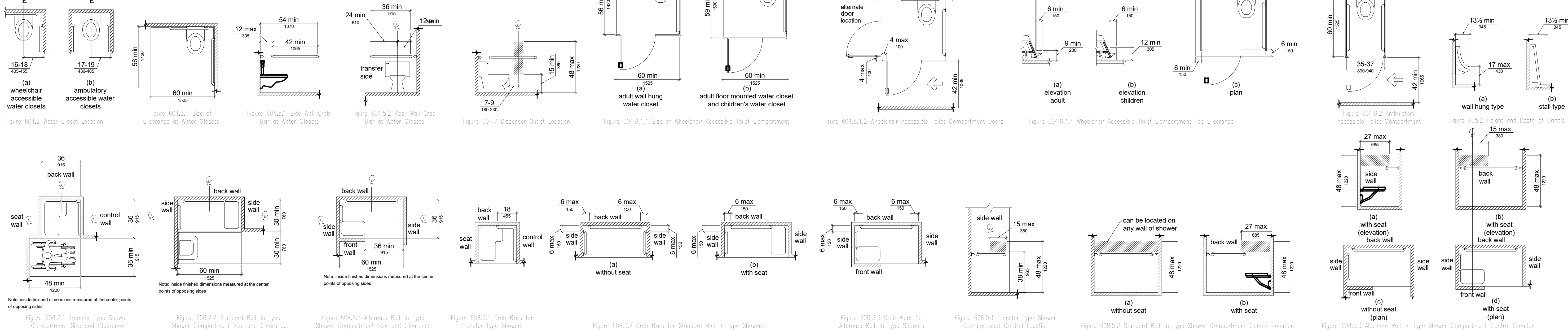
GENERAL



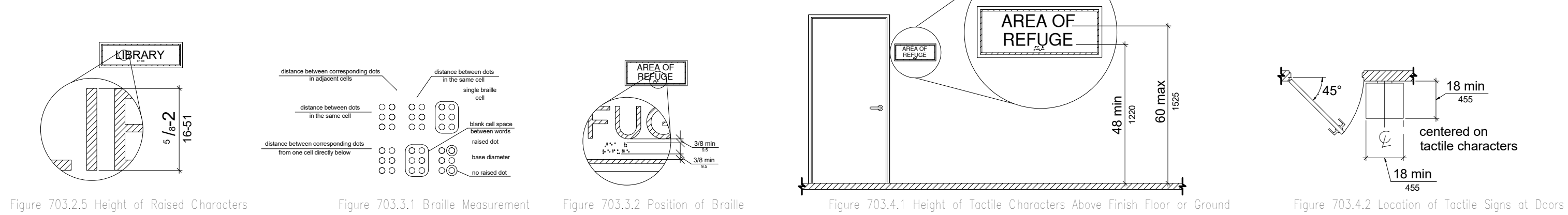
RAMP AND STAIRS



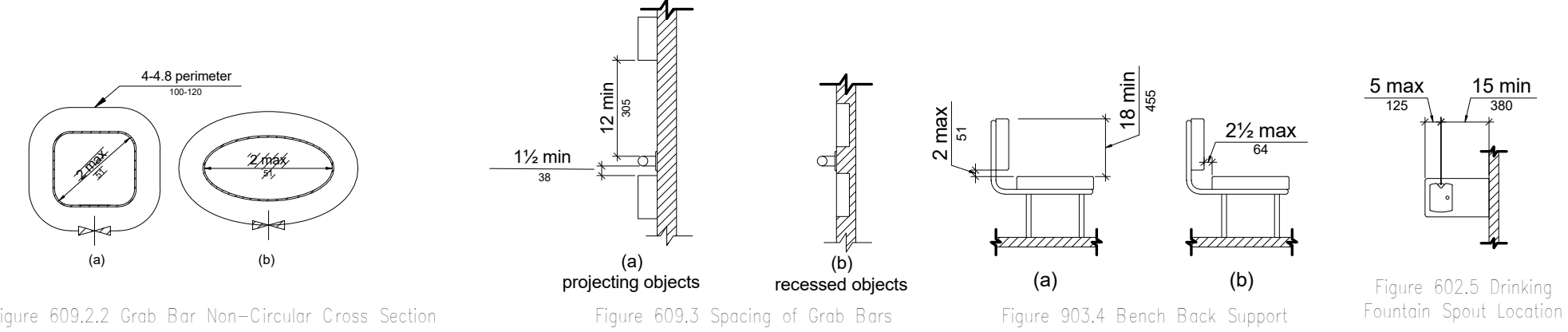
TOILET AND BATHING ROOMS



SIGNAGE



MISC.



TENANT IMPROVEMENT FOR:
WILCO JUSTICE CENTER BREAK ROOMS
405 MARTIN LUTHER KING DR., GEORGETOWN, TEXAS 78626

PROJECT PHASE
CONSTRUCTION DOCUMENTS
REVISIONS

PROJECT NUMBER
15116-00
DATE ISSUED
12/21/2015
SHEET TITLE

ACCESSIBILITY DIAGRAM

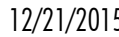
SHEET NUMBER

A-0.1

ARCHITECTURE ABBREVIATIONS

- | | | | | | |
|--------|----------------------------|--------|-----------------------------|--------|------------------------|
| ACC | AIR CONDITIONING ACCESS | GA | GUAGE | PLAM | PLASTIC LAMINATE |
| ACP | ACOUSTICAL CEILING PANEL | GB | GALVANIZED | PLMB | PLUMBING |
| ADDL | ADDITIONAL | GB | GRAB BAR | PLYWD | PLYWOOD |
| ADDM | ADDENDUM | GC | GENERAL CONTRACTOR | PANEL | PANEL |
| ADH | ADHESIVE | GD | GRADE | PREFAB | PREFABRICATED |
| ADJ | ADJUSTABLE | GEN | GENERAL | PREFIN | PREFINISHED |
| AFF | ABOVE FINISHED FLOOR | GL | GLASS/GLAZING | PRF | PREFORMED |
| GGG | GLASS | GLB | GLASS BLOCK | PSF | POUNDS PER SQUARE FOOT |
| AUT | ALTERNATE | GTR | GUTTER | PSI | POUNDS PER SQUARE INCH |
| ALUM | ALUMINUM | GW | GRAVEL | PT | PAINT |
| APPROX | APPROXIMATELY | GYP | GYPSPUM | PVC | POLYVINYL CHLORIDE |
| ARCH | ARCHITECT/ARCHITECTURAL | GYP BD | GYPSPUM BOARD | | |
| ASPH | ASPHALT | HB | HOSE BIB | R | RADIUS |
| AUTO | AUTOMATIC | HC | HOLLOW CORE | RA | RETURN AIR |
| AV | AUDIO VISUAL | HDP | HANDICAP | RE BAR | REINFORCING BARS |
| | | HDR | HEADER | RECP | RECEPTACLE |
| BD | BOARD | HDWD | HARDWOOD | REF | REFERENCE |
| BL | BUILDING LINE | HDWRE | HARDWARE | REFR | REFRIGERATOR |
| BLDG | BUILDING | HM | HOLLOW METAL | REG | REGISTER |
| BLVD | BOULEVARD | HORZ | HORIZONTAL | REINF | REINFORCED |
| BM | BEAM | HT | HEIGHT | REQD | REQUIRED |
| B.M. | BENCH MARK | HTG | HEATING | RET | RETURN |
| BBK | BIB | HYC | HEATING VENTILATION | RH | RIGHT HAND |
| BRZ | BRONZE | HW | AIR CONDITIONING | RM | ROOM |
| BSMT | BASEMENT | | HOT WATER | RO | ROUGH OPENING |
| BTU | BRITISH THERMAL UNIT | | | ROW | RIGHT OF WAY |
| BVL | BEVEL/BEVELED | IBC | INTERNATIONAL BUILDING CODE | RT | RUBBER TILE |
| | | | | | |
| CAB | CABINET | IN | INCH | S | SOUTH |
| CB | CATCH BASIN | INCL | INCLUDED | SBC | STANDARD BUILDING CODE |
| C/C | CENTER TO CENTER | INSUL | INSULATION | SC | SOLID CORE |
| CFI | CONTRACTOR FURNISHED | INT | INTERIOR | SCHED | SCHEDULE |
| | CONTRACTOR INSTALLED | | | SCN | SCREEN |
| CG | CAST IRON | JAN | JANITOR | SEAL | SEALANT |
| CG | CORNER GUARD | JBOX | JUNCTION BOX | SHTH | SHEATHING |
| CLG | CEILING | JCT | JUNCTION | SHT | SHEET |
| CLK | CAULK/CAULKING | JST | JOIST | SH | SHINGLE HUNG |
| CLO | CLOSET | JO | JOINT | SIM | SIMILAR |
| CLR | CLEAR/CLEARANCE | | | SLV | SLEEVE |
| CMU | CONCRETE MASONRY UNIT | KIT | KITCHEN | SPEC | SPECIFICATIONS |
| CND | CONDUIT | KPL | KICKPLATE | SQ | SQUARE |
| COL | COLUMN | KO | KNOCK OUT | SQ FT | SQUARE FEET |
| COMP | COMPOSITION/COMPOSITE | | | SST | STAINLESS STEEL |
| CONC | CONCRETE | LAB | LABORATORY | STD | STANDARD |
| CONF | CONFERENCE | LAM | LAMINATE | STL | STEEL |
| CONN | CONNECTION | LAV | LAVATORY | STOR | STORAGE |
| CONST | CONSTRUCTION | LH | LEFT HAND | STRUCT | STRUCTURAL |
| CSMT | CASEMENT | LIVE | LEFT LOAD | SUSP | SUSPENDED |
| | | LT | LIGHT | SYM | SYMMETRICAL |
| | | LWT | LIGHTWEIGHT | SYN | SYNTHETIC |
| DEPT | DEPARTMENT | | | SYS | SYSTEM |
| DH | DOUBLE HUNG | | | | |
| DIA | DIAMETER | MAS | MASONRY | | |
| DIM | DIMENSION | MATL | MATERIAL | TAN | TANGENT |
| DN | DOWN | MAX | MAXIMUM | TAS | TEXAS ACCESSIBILITY |
| DS | DOWNSPOUT | MB | MACHINE BOLT | | STANDARDS |
| DW | DISHWASHER | MECH | MECHANICAL | TECH | TECHNICAL |
| DWGS | DRAWING | MEZB | MEMBRANE | TELE | TELEPHONE |
| | | MEZZ | MEZZANINE | T&G | TONGUE AND GROOVE |
| E | EAST | MFR | MANUFACTURER | THK | THICK |
| EA | EACH | MH | MAN HOLE | THRES | THRESHOLD |
| EB | EXPANSION BOLT | MICRO | MICROWAVE | TLT | TOILET |
| EJ | EXPANSION JOINT | MIN | MINIMUM | TOB | TOP OF BLOCK |
| EL | ELEVATION | MIR | MIRROR | TOC | TOP OF CURB |
| ELEC | ELECTRIC/ELECTRICAL | MISC | MISCELLANEOUS | TOM | TOP OF MASONRY |
| ELEV | ELEVATION/ELEVATOR | MLD | MOULDING | TOP | TOP OF PARAPET |
| EMER | EMERGENCY | MLWK | MILLWORK | TOPL | TOP OF PLATE |
| ENC | ENCLOSURE | MO | MASONRY OPENING | TOS | TOP OF STEEL |
| ENT | ENTRANCE | MOD | MODULAR | TOST | TOP OF SLAB |
| EQ | EQUAL | MTD | MODULAR | TOW | TOP OF WALL |
| EQPT | EQUIPMENT | MTL | METAL | TRANS | TRANSFORMER |
| ESTM | ESTIMATE | MULT | MULTIPLE | TS | TUBE STEEL |
| EWH | ELECTRIC WATER HEATER | | | TV | TELEVISION |
| ENC | EXCAVATE | N | NORTH | TYP | TYPICAL |
| EXF | EXHAUST FAN | NAT | NATURAL | | |
| EXH | EXHAUST | NIC | NOT IN CONTRACT | UBC | UNIFORM BUILDING CODE |
| EXT | EXTERIOR | NOM | NOMINAL | UNFIN | UNFINISHED |
| | | NTS | NOT TO SCALE | UNQ | UNLESS NOTED OTHERWISE |
| | | | | URINAL | URINAL |
| FA | FIRE ALARM | OBS | OBSCURE | | |
| FBD | FIBER BOARD | OC | ON CENTER | VB | VAPOR BARRIER |
| FBO | FURNISHED BY OWNER | OCWE | ON CENTER EACH WAY | VAR | VARIES |
| FBK | FIRE BRICK | OD | OUTSIDE DIAMETER | VERT | VERTICAL |
| FD | FLOOR DRAIN | OH | OVERHEAD | VENT | VENTILATION |
| FDC | FIRE DEPARTMENT CONNECTION | OP | OPAQUE | VOL | VOLUME |
| FE | FIRE EXTINGUISHER | OPNG | OPENING | | |
| FEC | FIRE EXTINGUISHER CABINET | OPP | OPPOSITE | WTW | WALL TO WALL |
| FF | FINISH FLOOR | OPP HD | OPPOSITE HAND | WC | WATER CLOSET |
| FFE | FINISHED FLOOR ELEVATION | ORIG | ORIGINAL | WH | WATER HEATER |
| FFL | FINISHED FLOOR LINE | OWJ | OPEN WEB JOIST | WP | WATER PROOFING |
| FIN</ | | | | | |

ACP	ACOUSTICAL CEILING PANEL	PL	PLASTIC LAMINATE	STC	STAINED CONCRETE
CONC	CONCRETE	PT	PAINT	TZ	TERRAZZO
CPT	CARPET/CARPET TILE	QT	QUARRY TILE	VCT	VINYL COMPOSITION TILE
CT	CERAMIC TILE	R4F	RAISED FLOORING	VVT	VINYL TILE
F	FURNITURE	RB	RESILIENT BASE	VWV	VINYL WALL COVERING
FAB	FABRIC (FURNITURE)	RES	RESINOUS FLOORING	WD	WOOD VENEER/WOOD BASE
FWB	FABRIC WALLCOVERING	RF	RESILIENT FLOORING		WOOD TRIM
GL	GLASS	SP	SPECIALTY PRODUCTS	WDFL	WOOD FLOORING
GLB	GLASS BLOCK	SS	SOLID SURFACE	WT	WINDOW TREATMENT
MTL	METAL	ST	STONE/STONE FLOORING		



WILCO JUSTICE CENTER BREAK ROOMS
405 MARTIN LUTHER KING DR., GEORGETOWN, TEXAS 78626

D

C

B

A

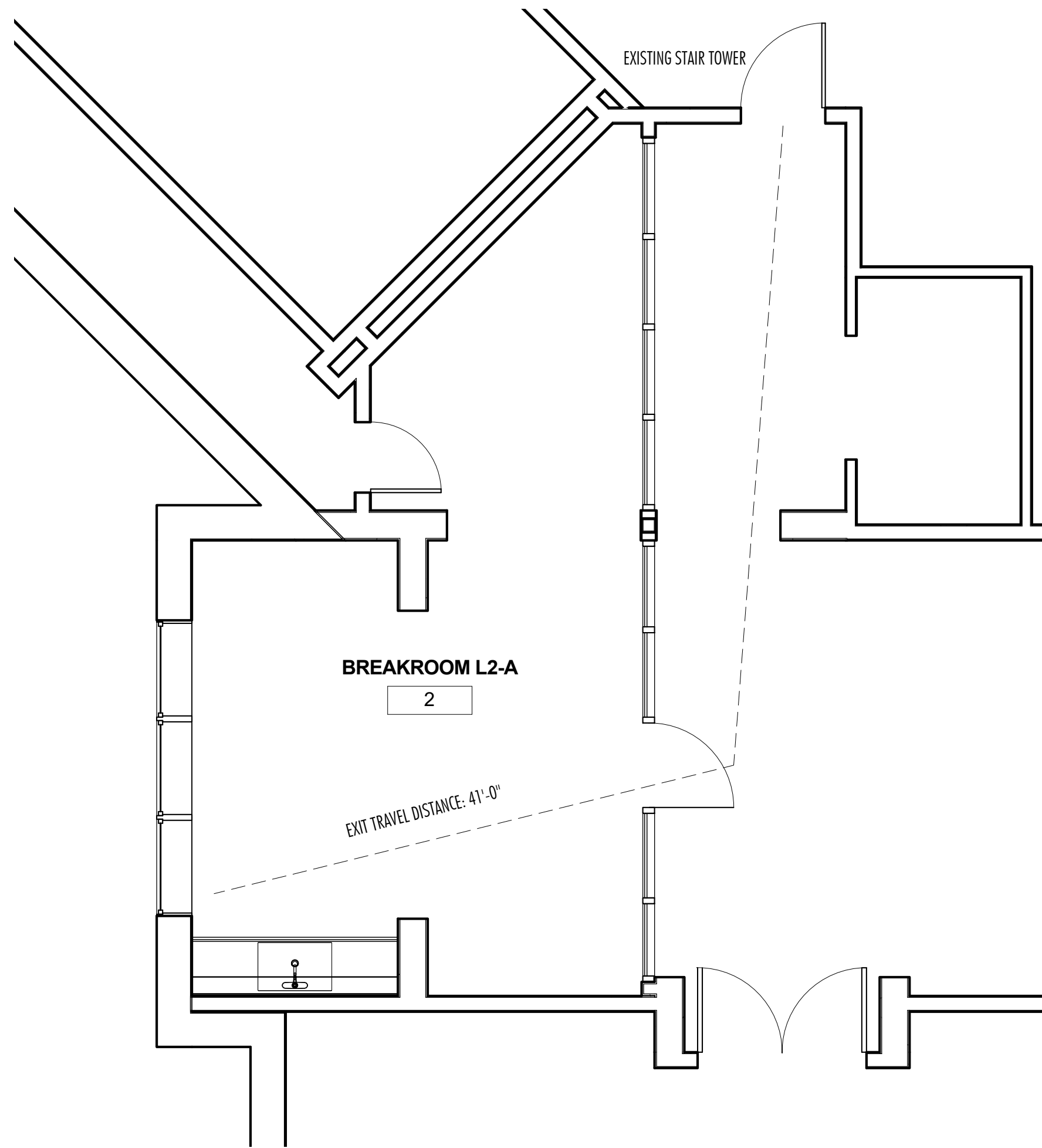
5

4

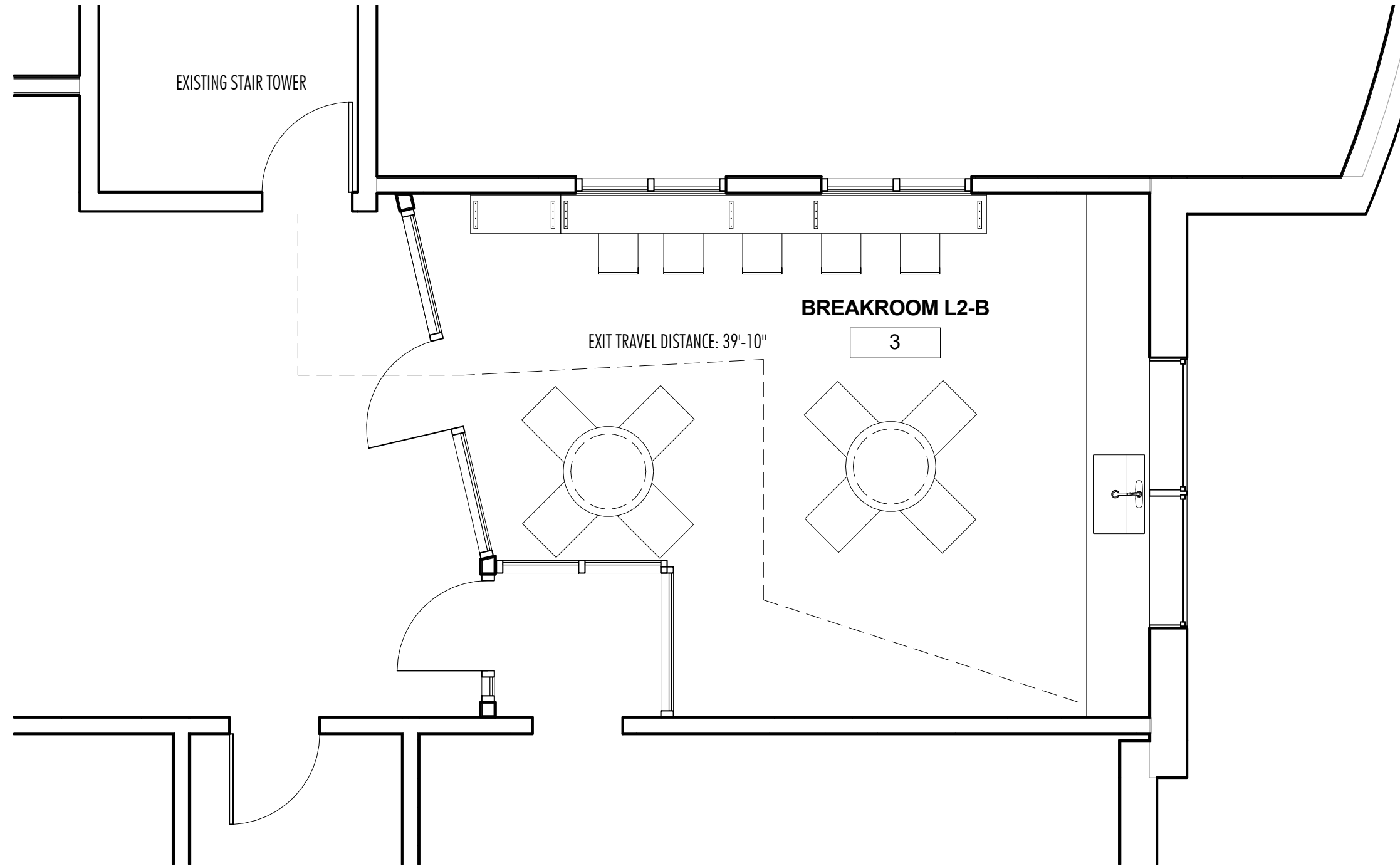
3

2

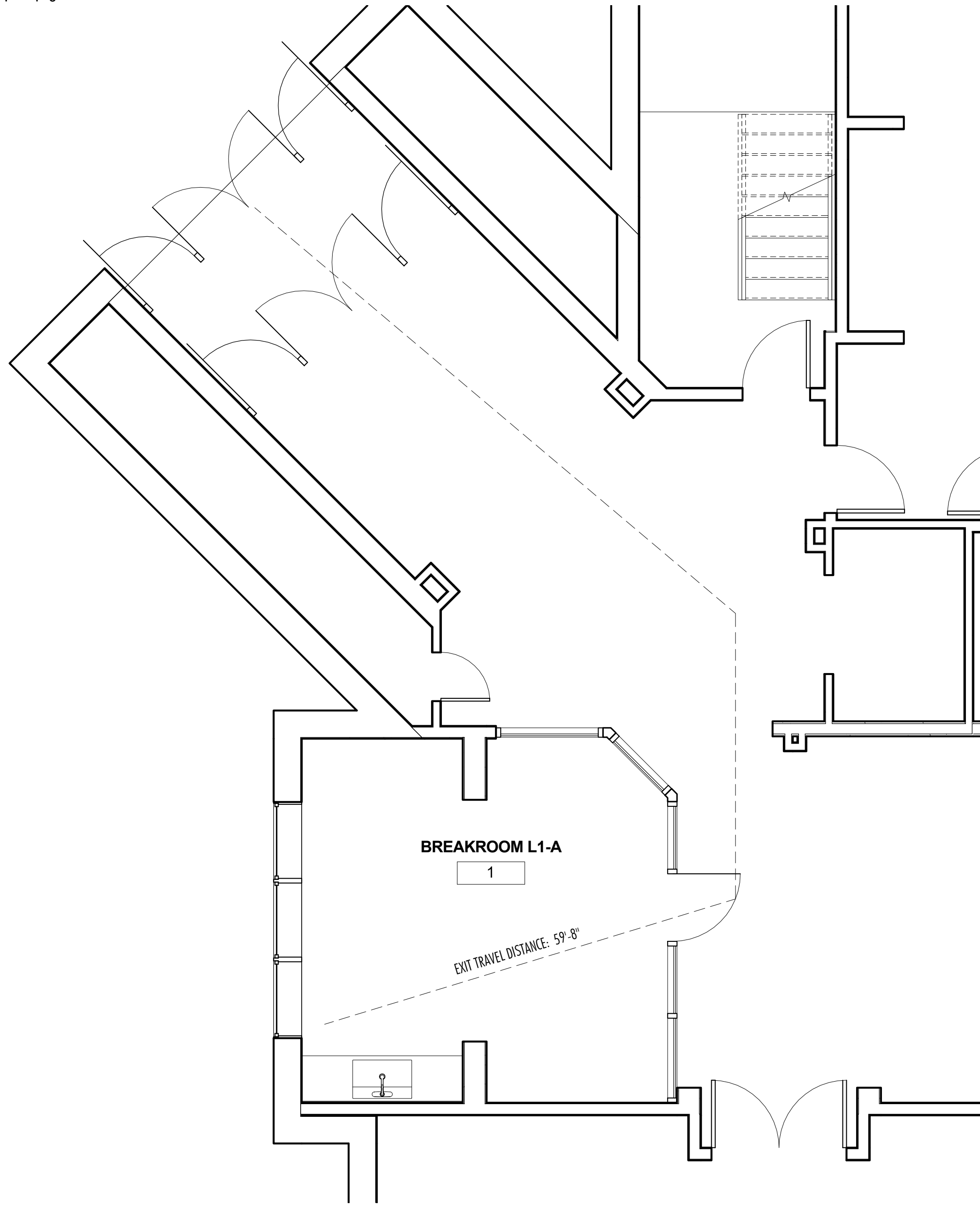
1



② L2-A - LIFE SAFETY PLAN
1/4" = 1'-0"



③ L2-B - LIFE SAFETY PLAN
1/4" = 1'-0"



① L1-A - LIFE SAFETY PLAN
1/4" = 1'-0"



109 S | harris street | round rock
suite 200 | texas 78664
ryan@modedc.us | www.modedc.us
+1 512 733 1150



Ryan Hansanway
12/21/2015

TENANT IMPROVEMENT FOR:

WILCO JUSTICE CENTER BREAK ROOMS
405 MARTIN LUTHER KING DR., GEORGETOWN, TEXAS 78626

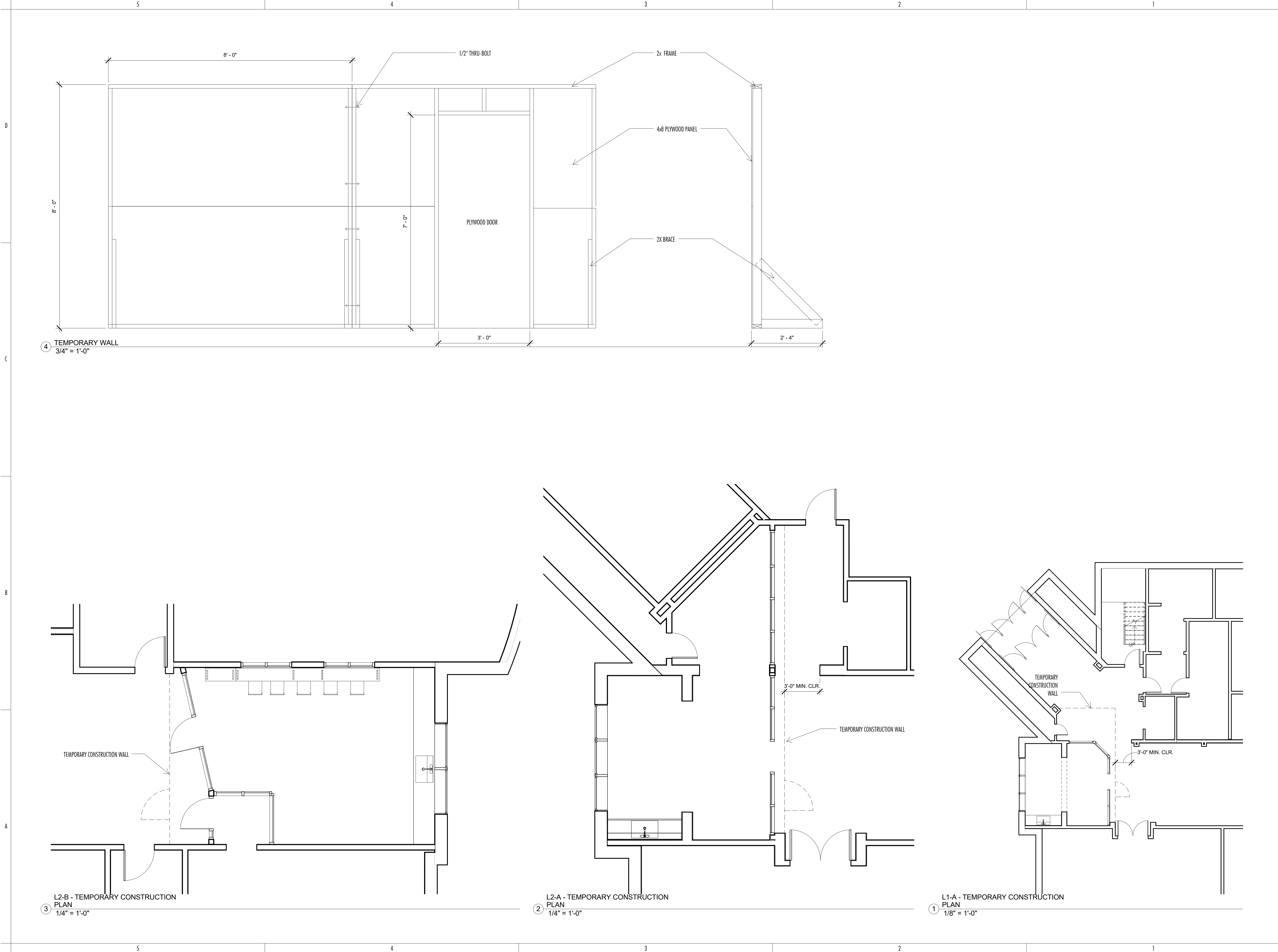
PROJECT PHASE
CONSTRUCTION DOCUMENTS
REVISIONS

PROJECT NUMBER
15116-00
DATE ISSUED
12/21/2015
SHEET TITLE

LIFE SAFETY PLAN

SHEET NUMBER

A-0.3



TENANT IMPROVEMENT FOR:

WILCO JUSTICE CENTER BREAK ROOMS
405 MARTIN LUTHER KING DR., GEORGETOWN, TEXAS 78626

PROJECT PHASE
CONSTRUCTION DOCUMENTS
REVISIONS

PROJECT NUMBER
15116-00
DATE ISSUED
12/21/2015
SHEET TITLE

TEMPORARY
CONSTRUCTION PLAN

SHEET NUMBER

A-1.0



Ryan Hansanawat
12/21/2015

TENANT IMPROVEMENT FOR:

WILCO JUSTICE CENTER BREAK ROOMS
405 MARTIN LUTHER KING DR., GEORGETOWN, TEXAS 78626

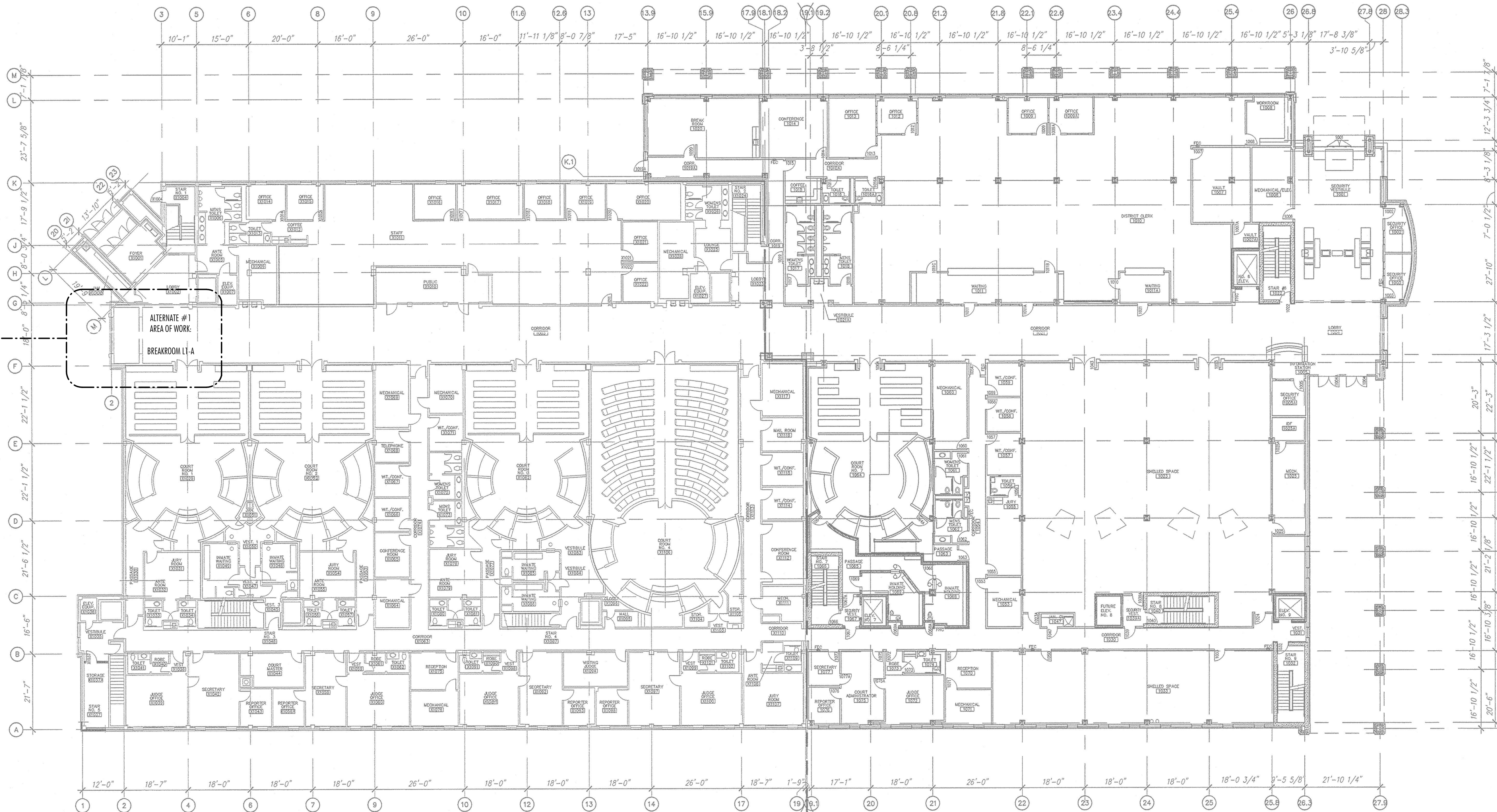
PROJECT PHASE
CONSTRUCTION DOCUMENTS
REVISIONS

PROJECT NUMBER
15116-00
DATE ISSUED
12/21/2015
SHEET TITLE

FIRST FLOOR PLAN

SHEET NUMBER

A-1.1



1 01-EXISTING FLOOR PLAN
1/16" = 1'-0"



12/21/2015

TENANT IMPROVEMENT FOR:

WILCO JUSTICE CENTER BREAK ROOMS
405 MARTIN LUTHER KING DR., GEORGETOWN, TEXAS 78626

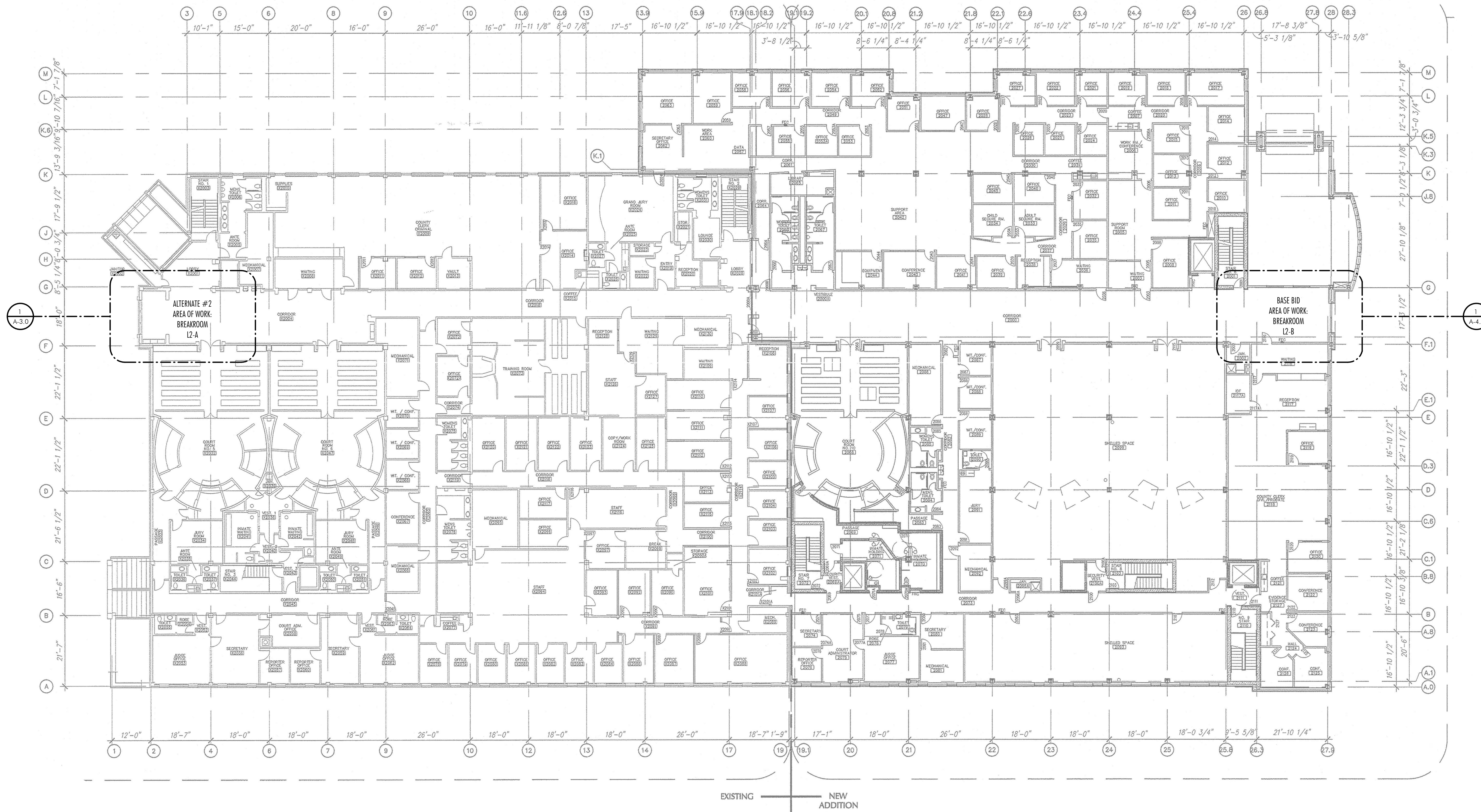
PROJECT PHASE
CONSTRUCTION DOCUMENTS
REVISIONS

PROJECT NUMBER
15116-00
DATE ISSUED
12/21/2015
SHEET TITLE

SECOND FLOOR PLAN

SHEET NUMBER

A-1.2



02-EXISTING FLOOR PLAN
1/16" = 1'-0"

D

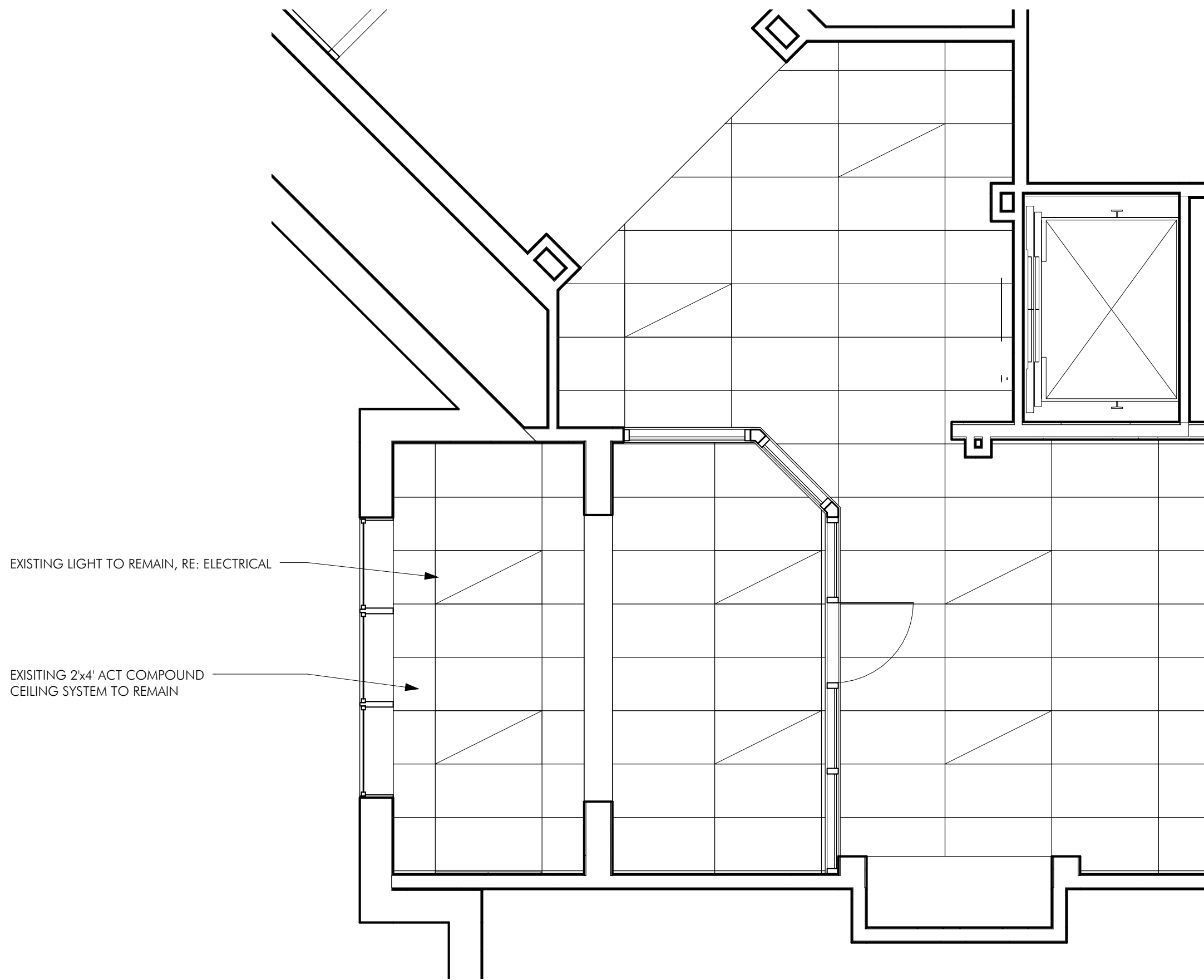
C

B

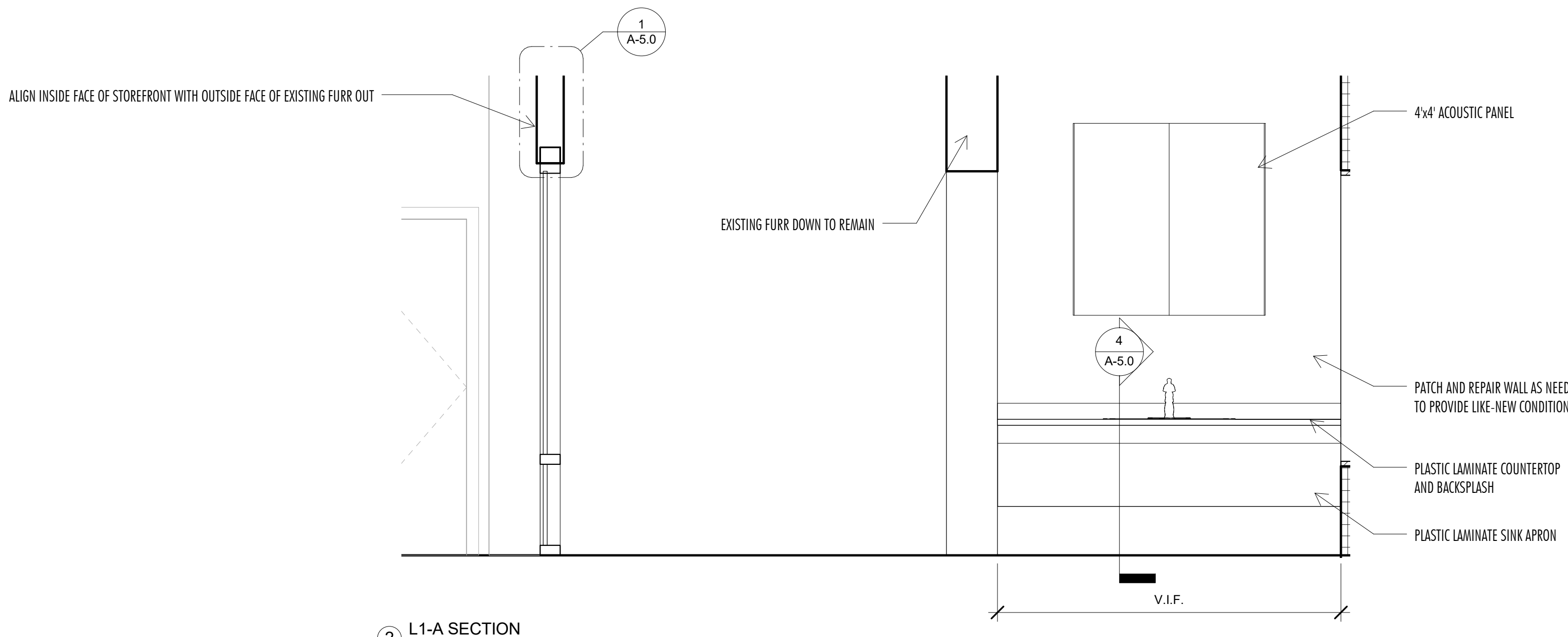
A

NOTES:

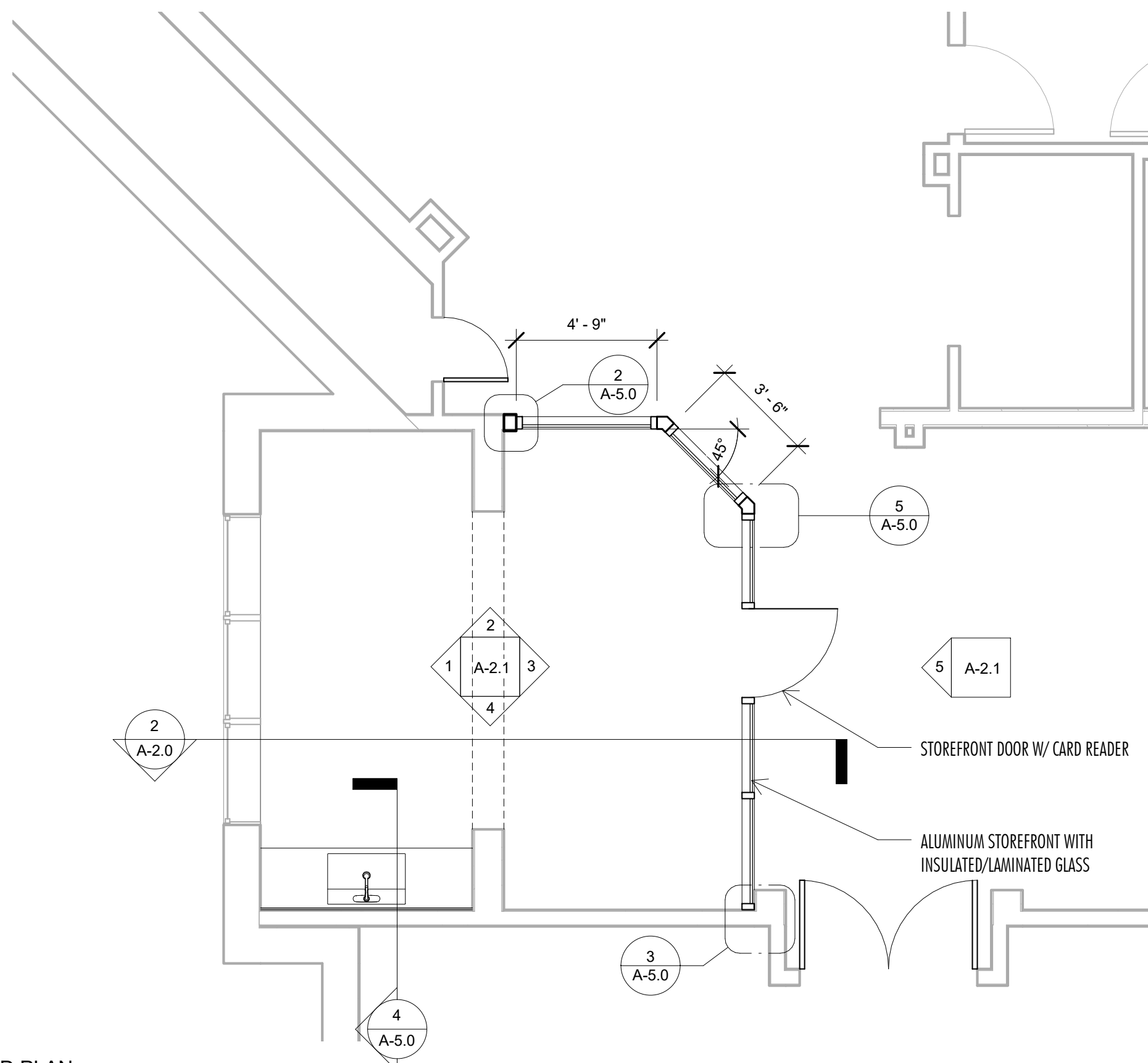
- 1. PLASTIC LAMINATE TO BE STANSARD LEVEL. CORDINATE FINAL COLOR SELECTION W/ OWNER



5 L1-A - ENLARGED RCP
1/4" = 1'-0"



2 L1-A SECTION
1/2" = 1'-0"



1 L1-A - ENLARGED PLAN
1/4" = 1'-0"



12/21/2015

TENANT IMPROVEMENT FOR:

WILCO JUSTICE CENTER BREAK ROOMS
405 MARTIN LUTHER KING DR., GEORGETOWN, TEXAS 78626

PROJECT PHASE
CONSTRUCTION DOCUMENTS
REVISIONS

PROJECT NUMBER
15116-00
DATE ISSUED
12/21/2015
SHEET TITLE

L1-A ENLARGED
PLANS/INTERIOR ELEV. &
DETAILS- ALT. #1

A-2.0

D

C

B

A

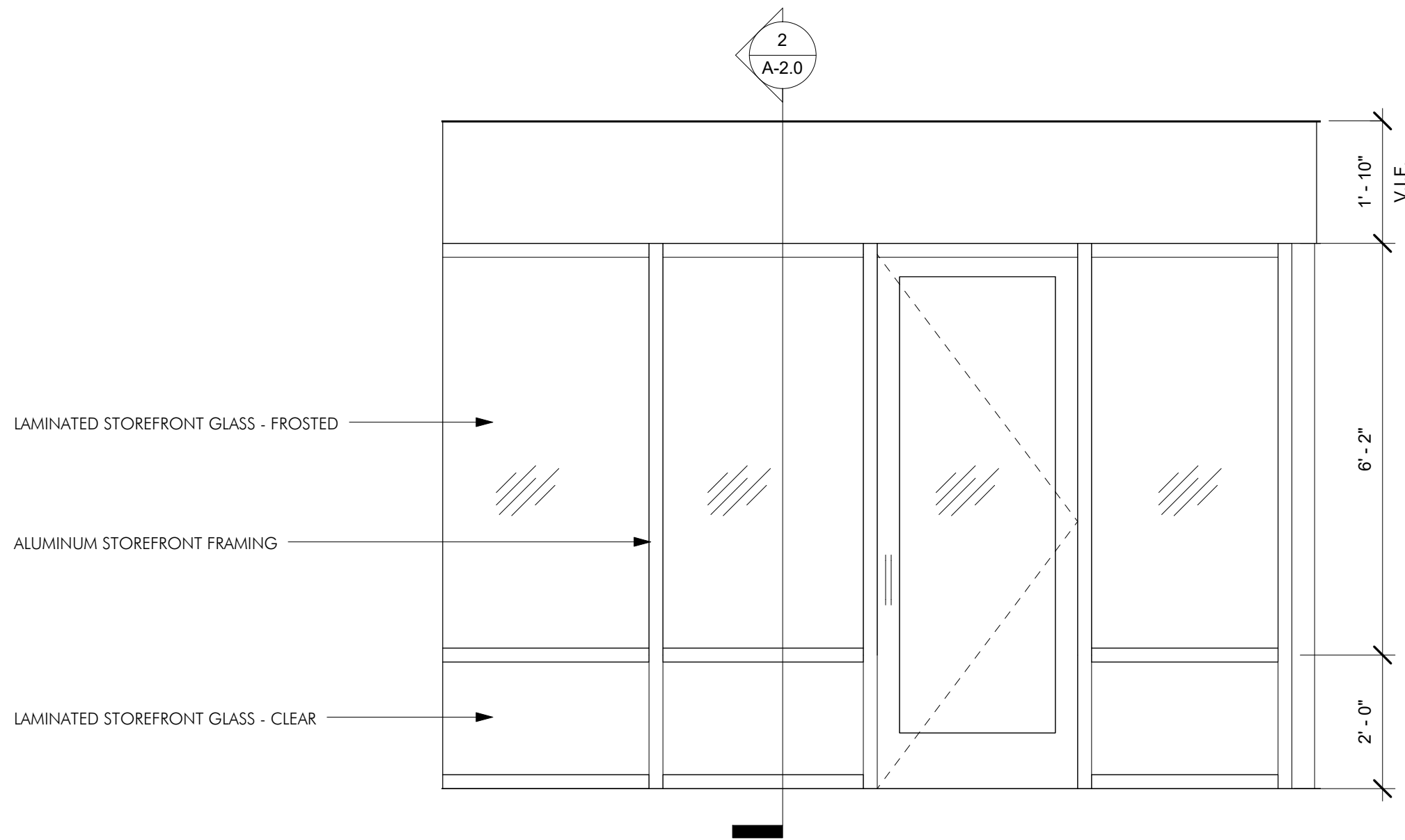
5

4

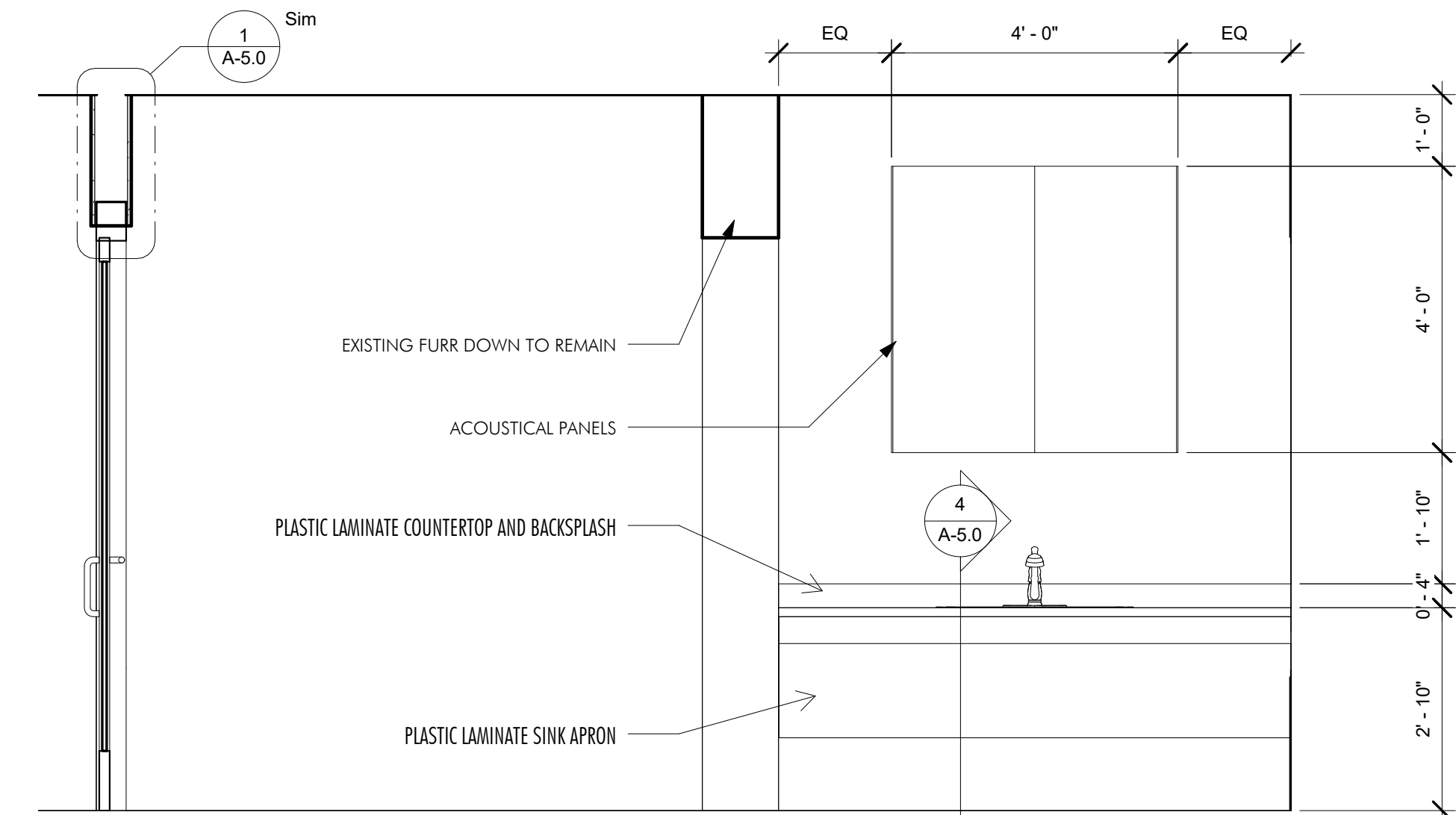
3

2

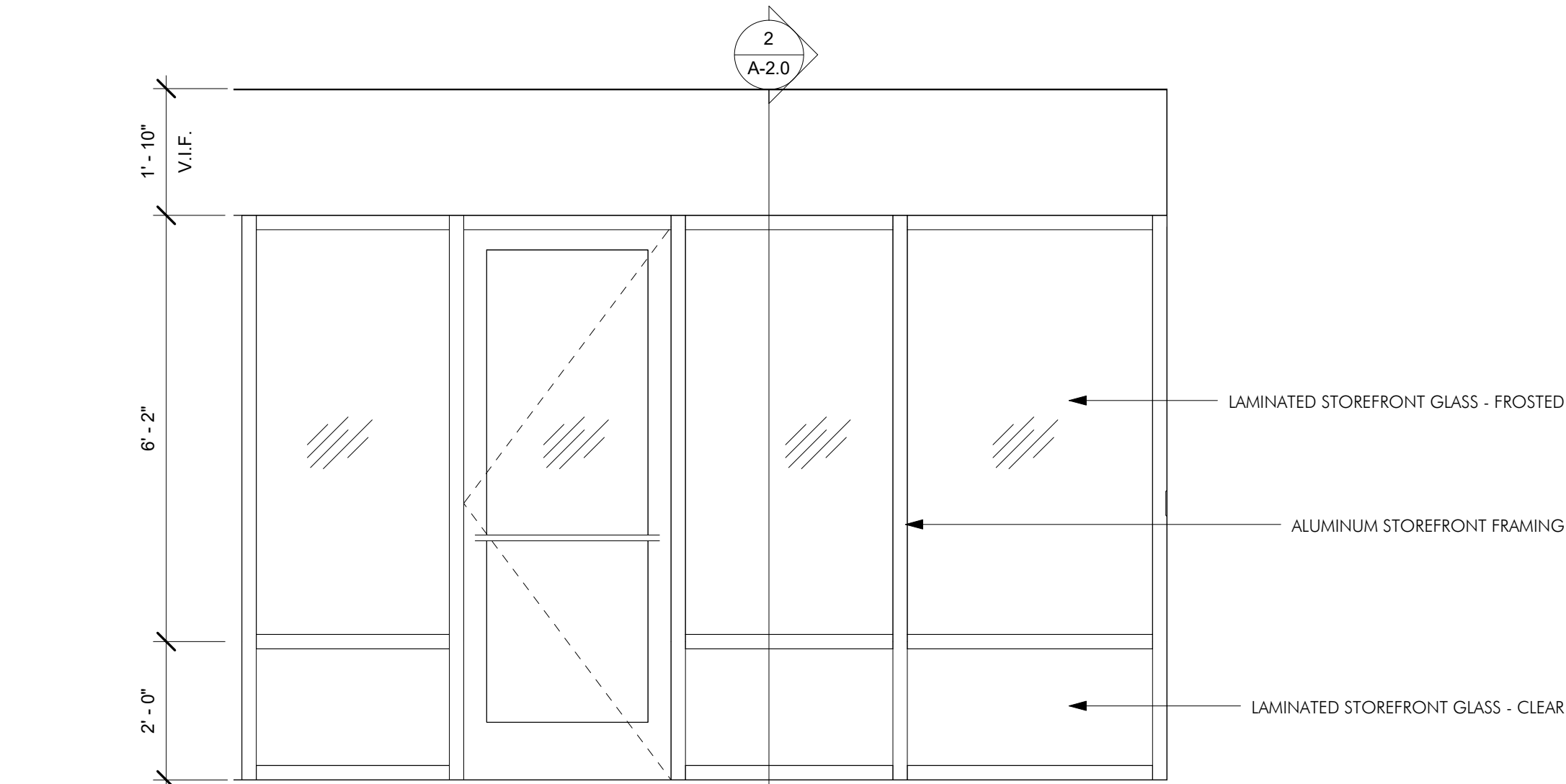
1



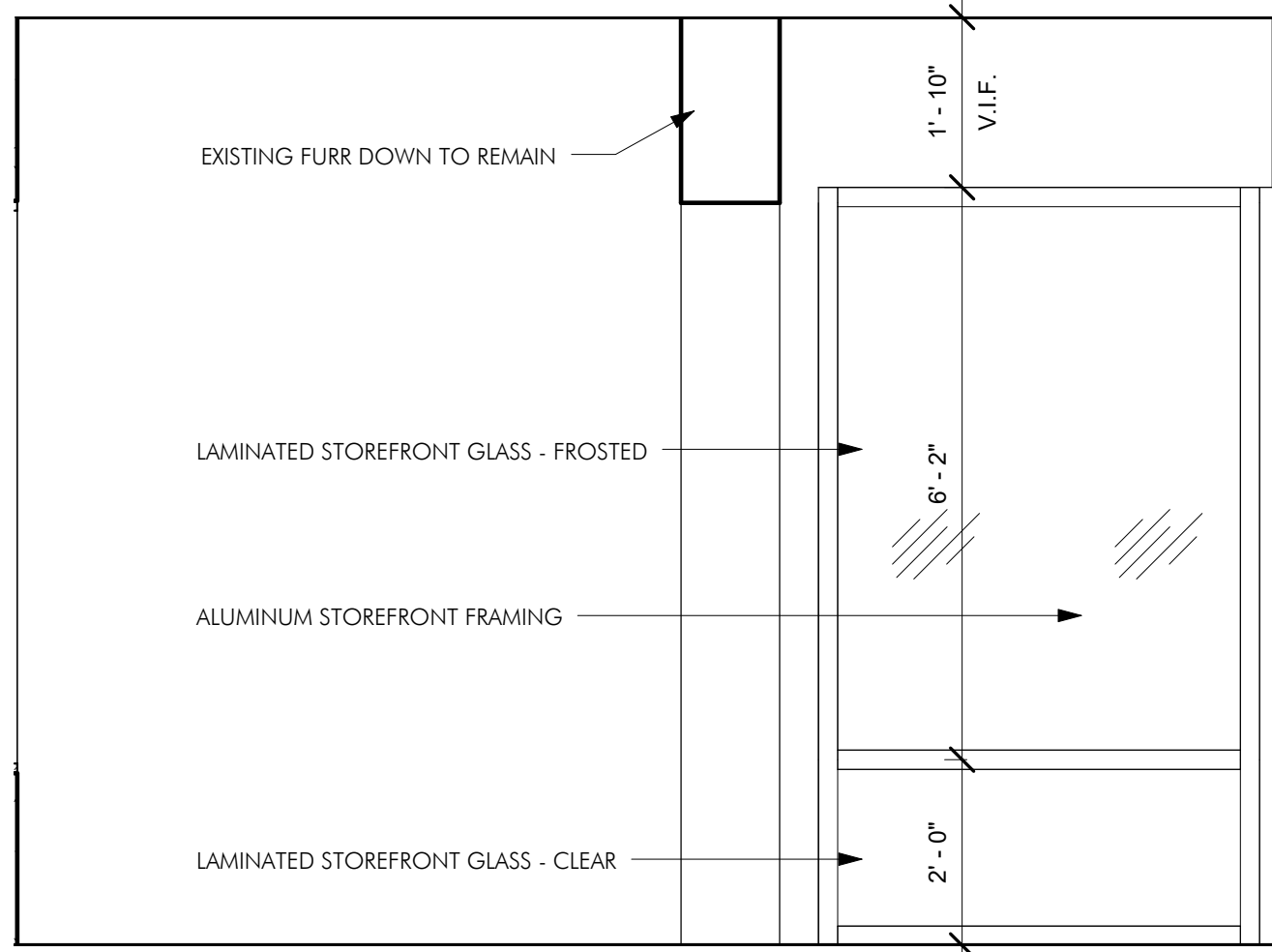
⑤ L1-A INTERIOR ELEV. 05
1/2" = 1'-0"



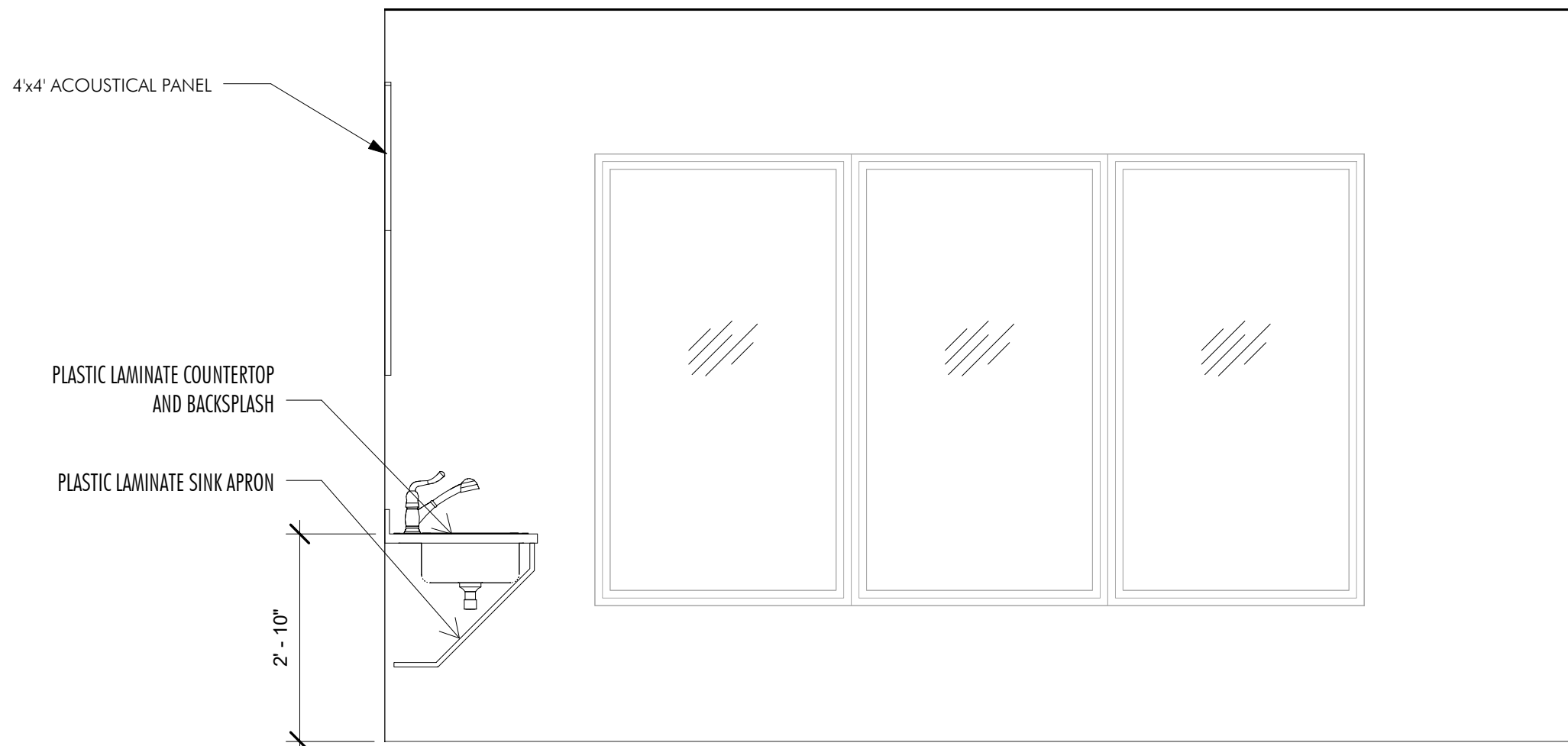
④ L1-A INTERIOR ELEV. 04
1/2" = 1'-0"



③ L1-A INTERIOR ELEV. 03
1/2" = 1'-0"



② L1-A INTERIOR ELEV. 02
1/2" = 1'-0"



① L1-A INTERIOR ELEV. 01
1/2" = 1'-0"

TENANT IMPROVEMENT FOR:

WILCO JUSTICE CENTER BREAK ROOMS
405 MARTIN LUTHER KING DR., GEORGETOWN, TEXAS 78626

PROJECT PHASE
CONSTRUCTION DOCUMENTS
REVISIONS

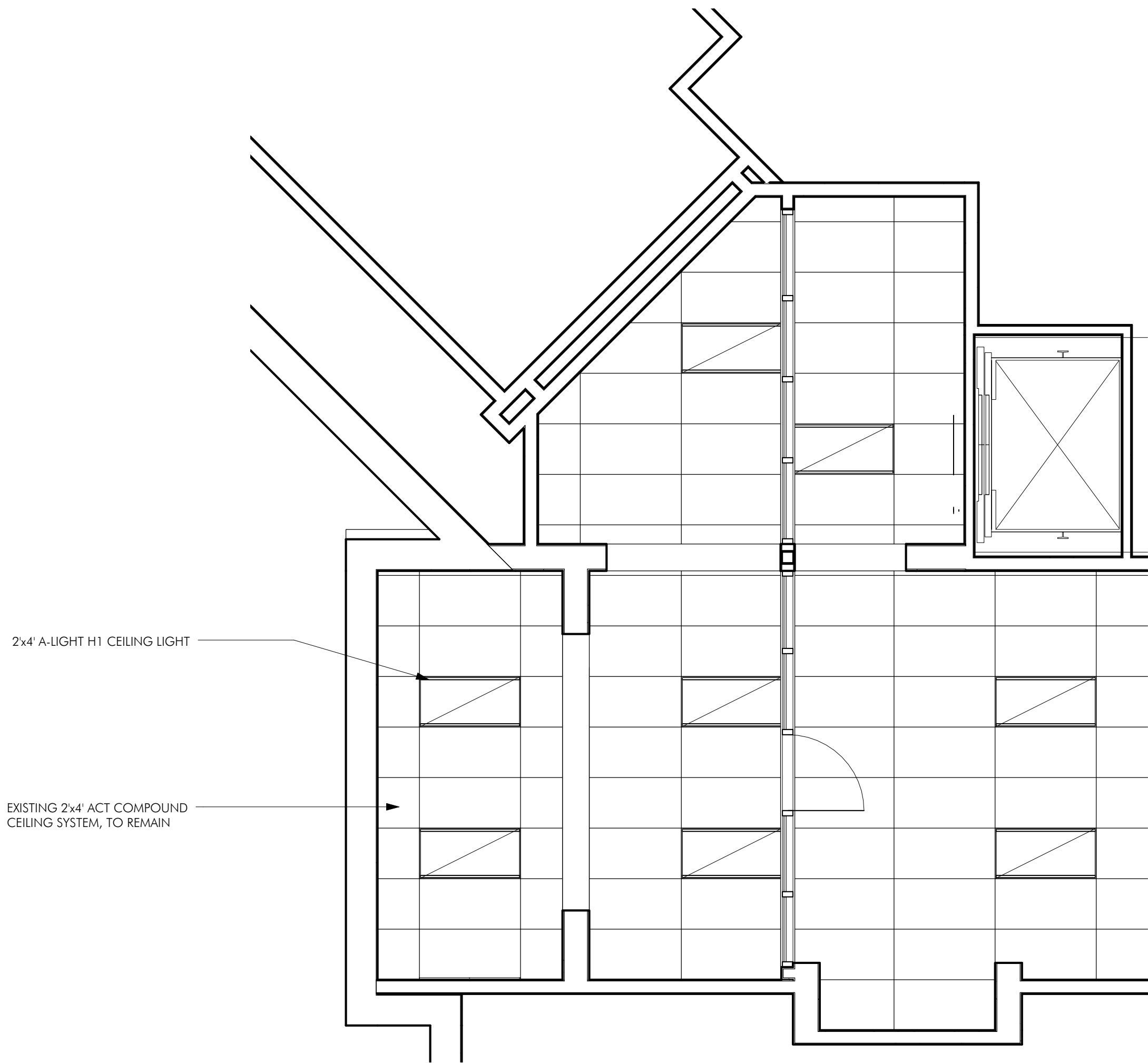
PROJECT NUMBER
15116-00
DATE ISSUED
12/21/2015
SHEET TITLE

L1-A INTERIOR
ELEVATIONS- ALT. #1

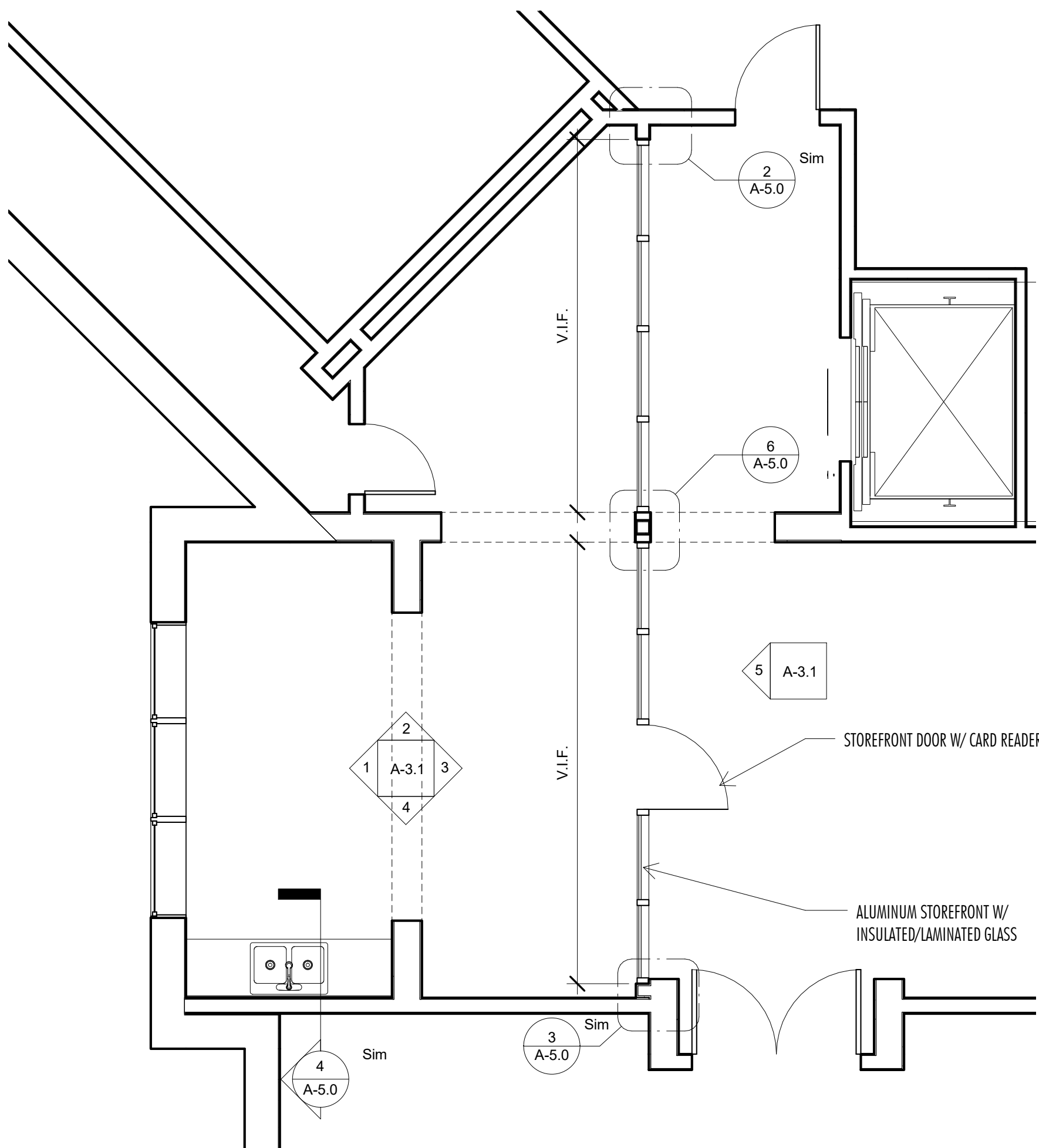
SHEET NUMBER

A-2.1

NOTES:
1. PLASTIC LAMINATE TO BE
STANSARD LEVEL.
CORDINATE FINAL COLOR
SELECTION W/ OWNER



2 L2-A - ENLARGED RCP
1/4" = 1'-0"



1 L2-A - ENLARGED PLAN
1/4" = 1'-0"

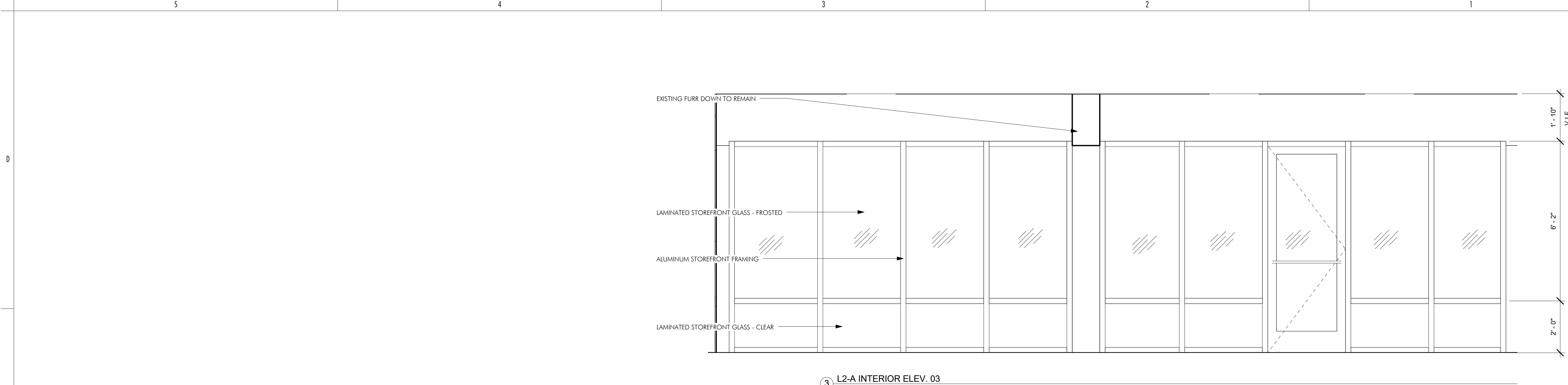
TENANT IMPROVEMENT FOR:
WILCO JUSTICE CENTER BREAK ROOMS
405 MARTIN LUTHER KING DR., GEORGETOWN, TEXAS 78626

PROJECT PHASE
CONSTRUCTION DOCUMENTS
REVISIONS

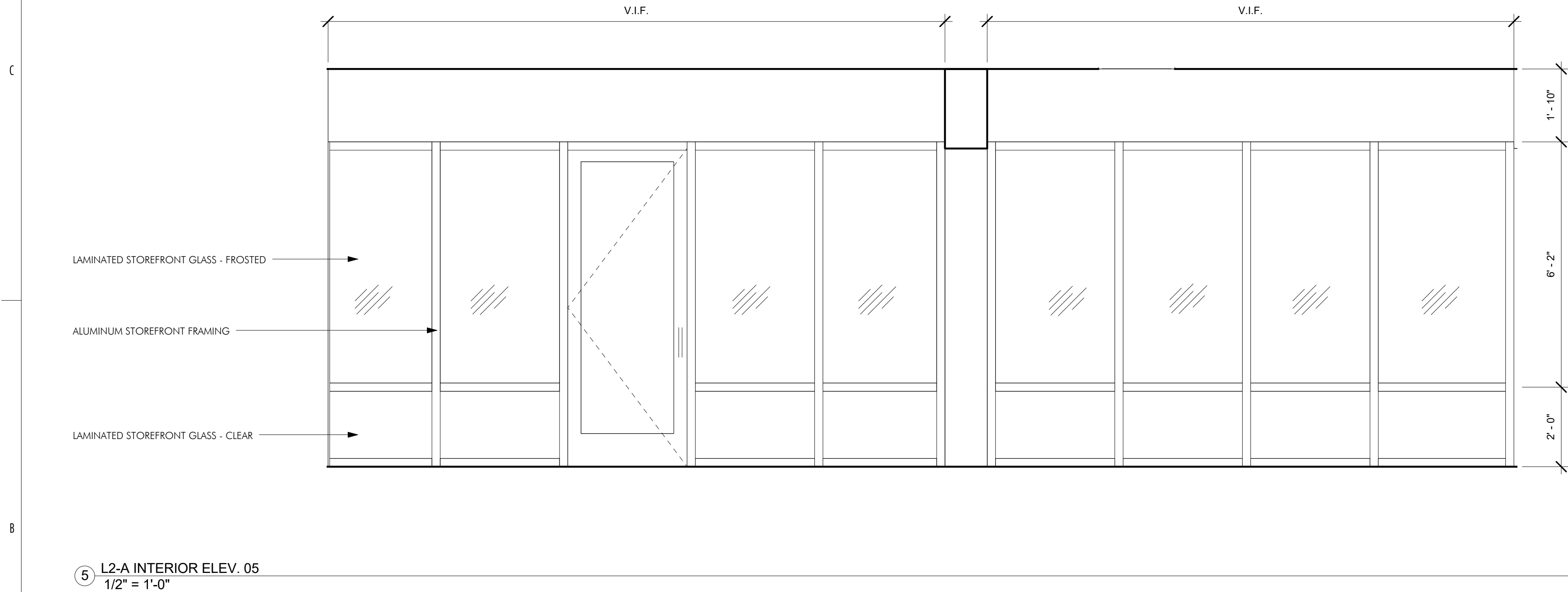
PROJECT NUMBER
15116-00
DATE ISSUED
12/21/2015
SHEET TITLE

L2-A ENLARGED
PLANS/INTERIOR ELEV. &
DETAILS- ALT. #2

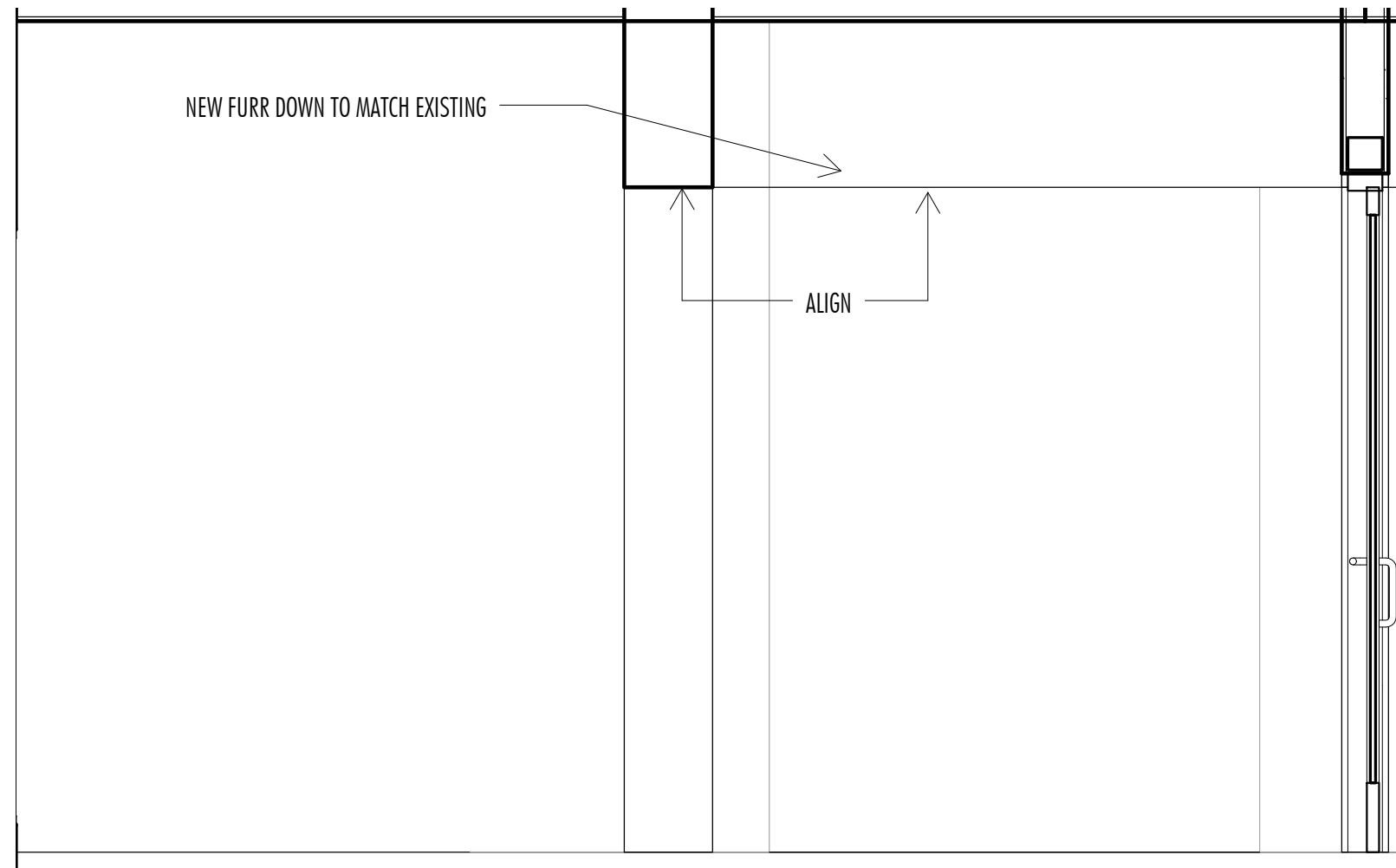
A-3.0



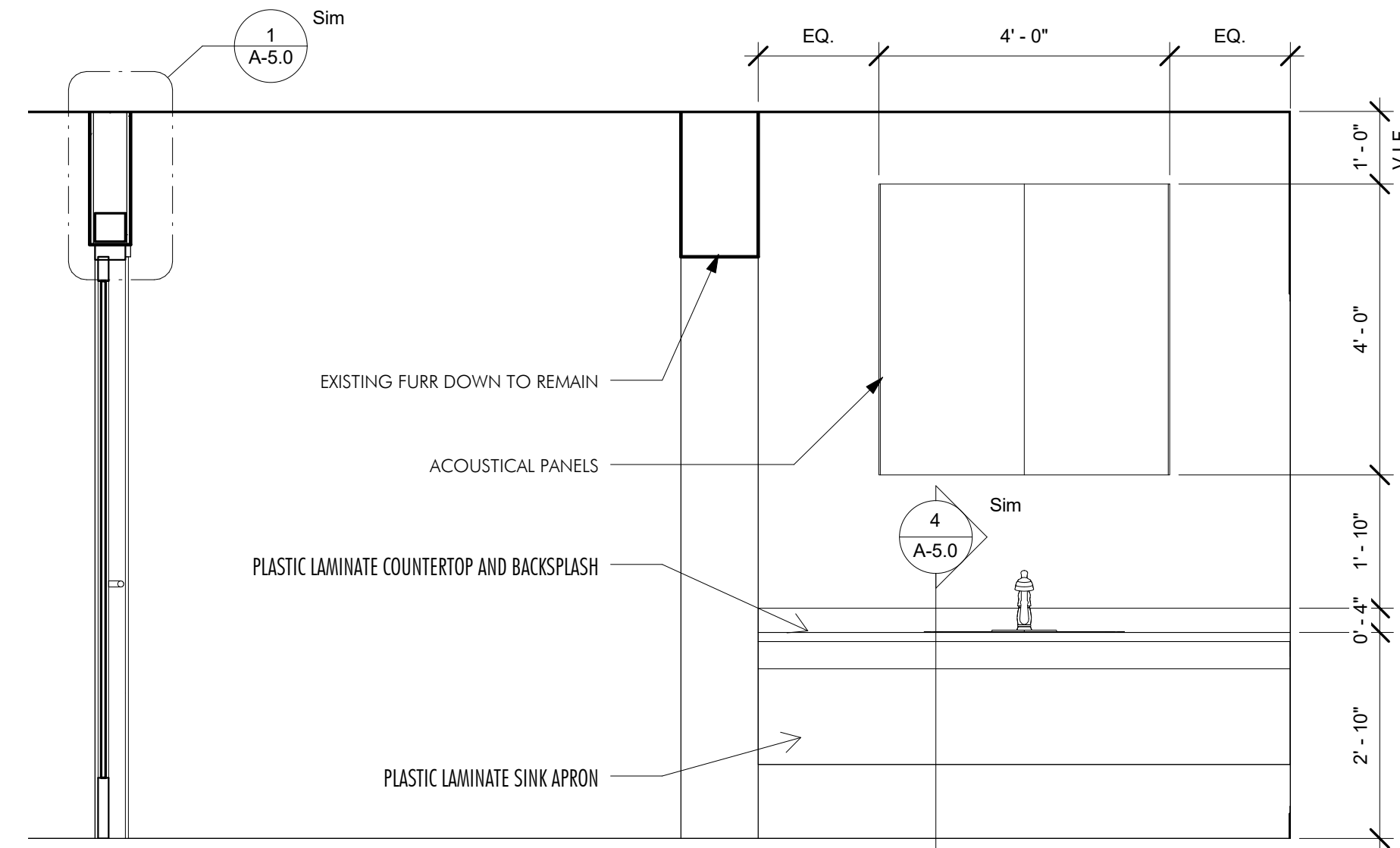
③ L2-A INTERIOR ELEV. 03
1/2" = 1'-0"



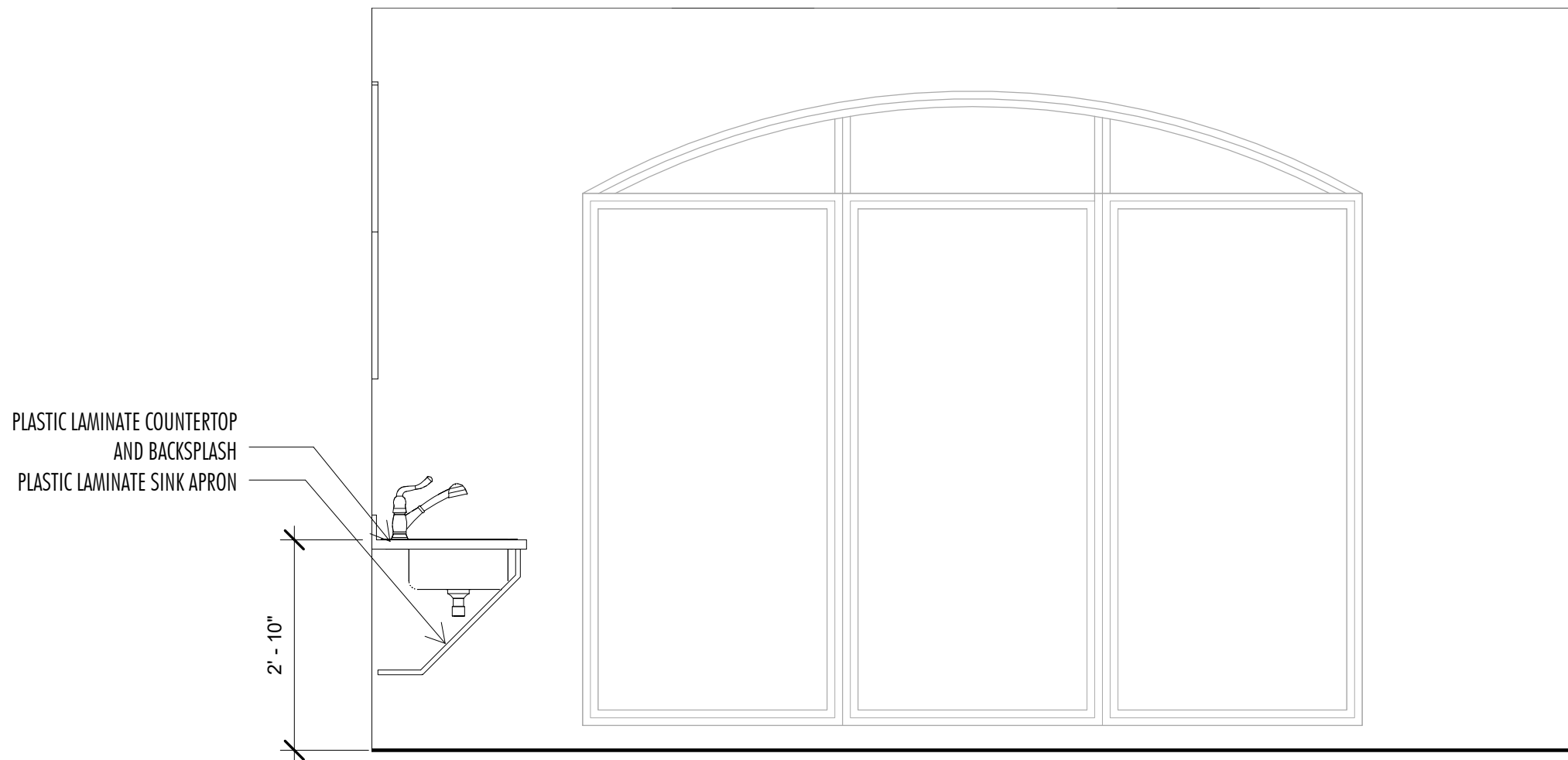
⑤ L2-A INTERIOR ELEV. 05
1/2" = 1'-0"



② L2-A INTERIOR ELEV. 02
1/2" = 1'-0"



④ L2-A INTERIOR ELEV. 04
1/2" = 1'-0"



① L2-A INTERIOR ELEV. 01
1/2" = 1'-0"

TENANT IMPROVEMENT FOR:
WILCO JUSTICE CENTER BREAK ROOMS
405 MARTIN LUTHER KING DR., GEORGETOWN, TEXAS 78626

PROJECT PHASE
CONSTRUCTION DOCUMENTS
REVISIONS

PROJECT NUMBER
15116-00
DATE ISSUED
12/21/2015
SHEET TITLE

L2-A INTERIOR
ELEVATIONS- ALT. #2

SHEET NUMBER

A-3.1

D

C

B

A

5

4

3

2

1

NOTES:
1. PLASTIC LAMINATE TO BE
STANSARD LEVEL.
CORDINATE FINAL COLOR
SELECTION W/ OWNER

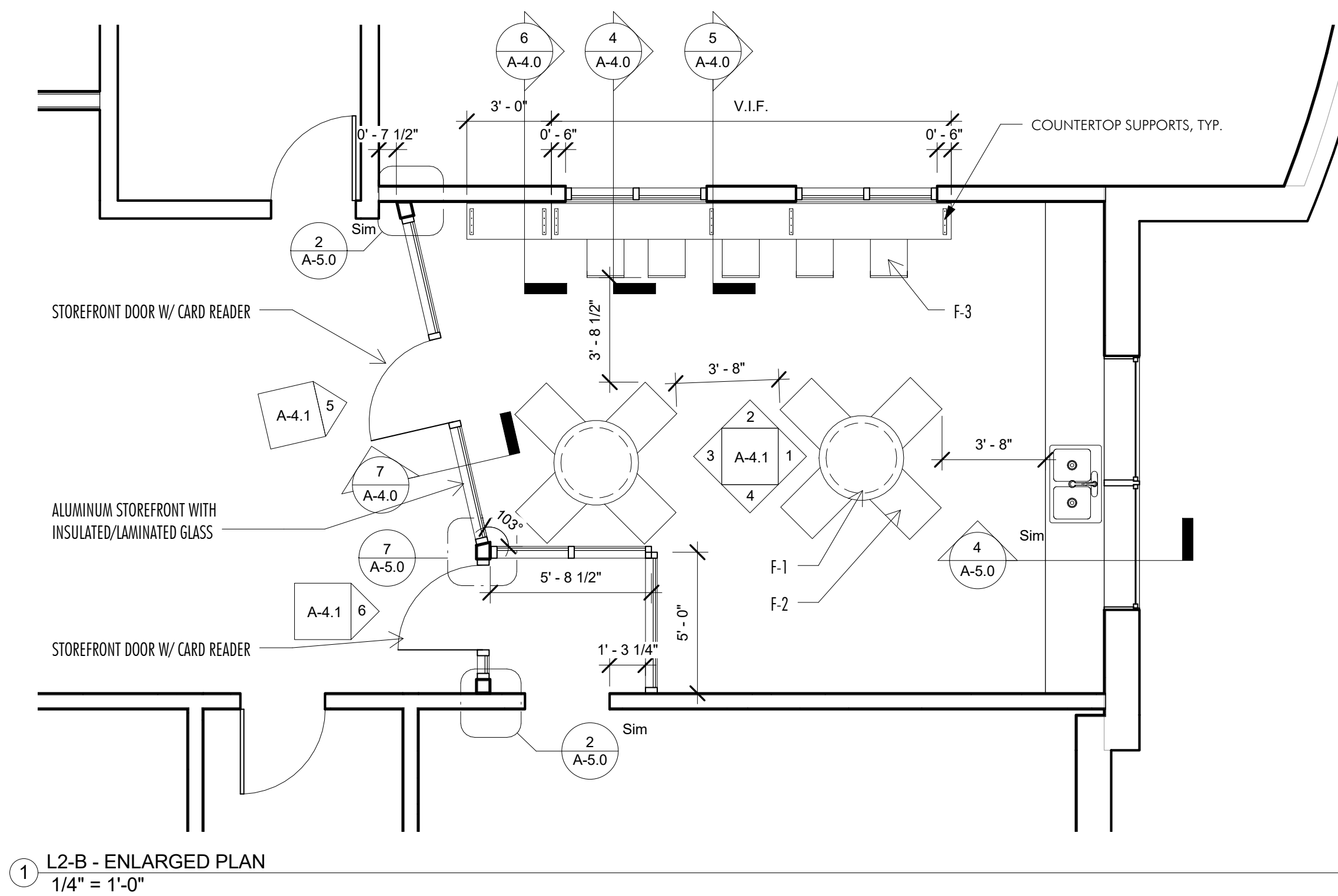
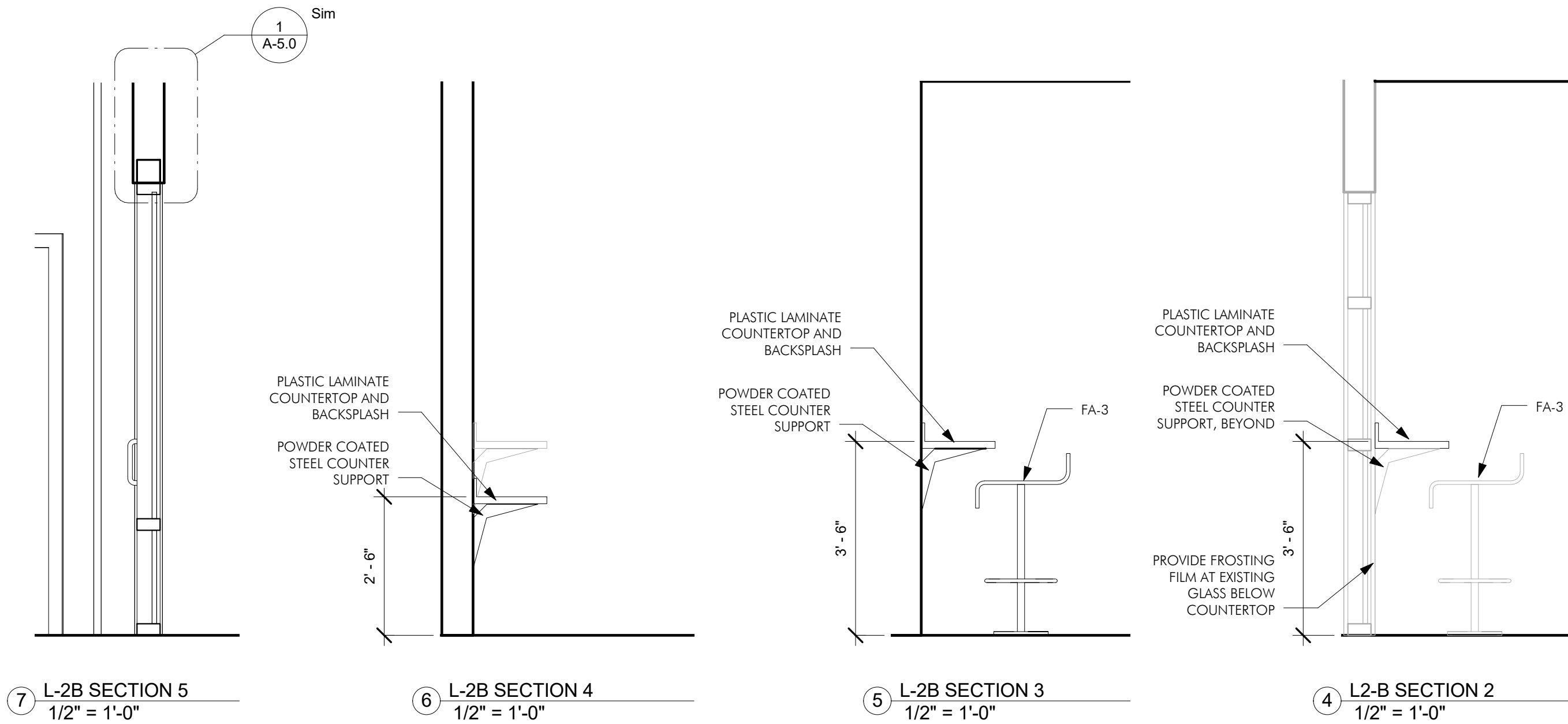
FIXED FURNITURE LEGEND:

FA-1: FIXED 36" TABLE. BASIS OF DESIGN: DUMOR, INC 482-36
FA-2: FIXED CHAIR. BASIS OF DESIGN: DUMOR, INC 481-20NA
FA-3: FIXED STOOL. BASIS OF DESIGN: FAIRWEATHER SF, COASTAL COLLECTION - CITY SERIES, MODEL CS-PS PUB STOOL

2x4' A-LIGHT H1 CEILING LIGHT

EXISTING 2x4' ACT COMPOUND
CEILING SYSTEM, TO REMAIN

② L2-B - ENLARGED RCP
1/4" = 1'-0"



TENANT IMPROVEMENT FOR:

WILCO JUSTICE CENTER BREAK ROOMS
405 MARTIN LUTHER KING DR., GEORGETOWN, TEXAS 78626

PROJECT PHASE
CONSTRUCTION DOCUMENTS
REVISIONS

PROJECT NUMBER
15116-00
DATE ISSUED
12/21/2015
SHEET TITLE

L2-B ENLARGED
PLANS/INTERIOR ELEV. &
DETAILS- BASE BID

A-4.0

5

4

3

2

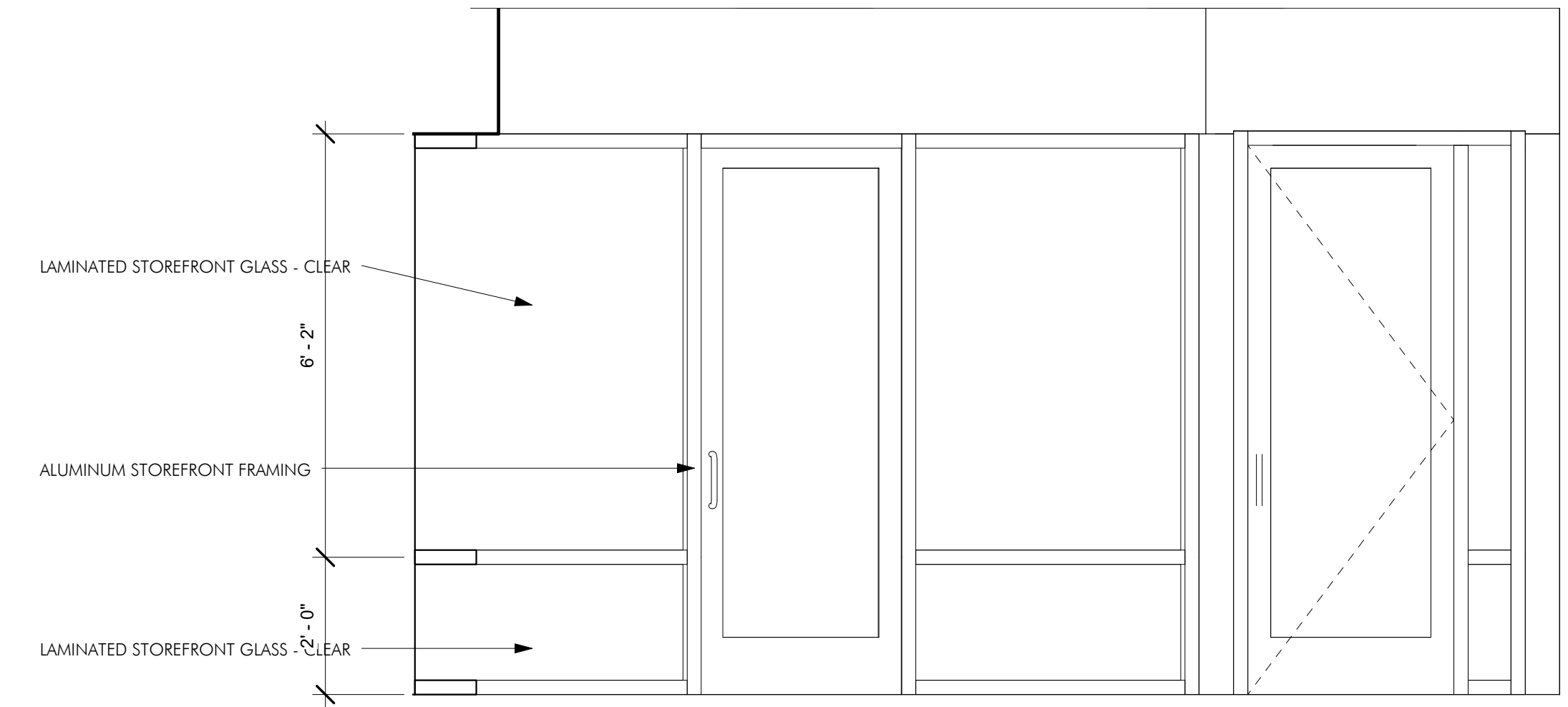
1

D

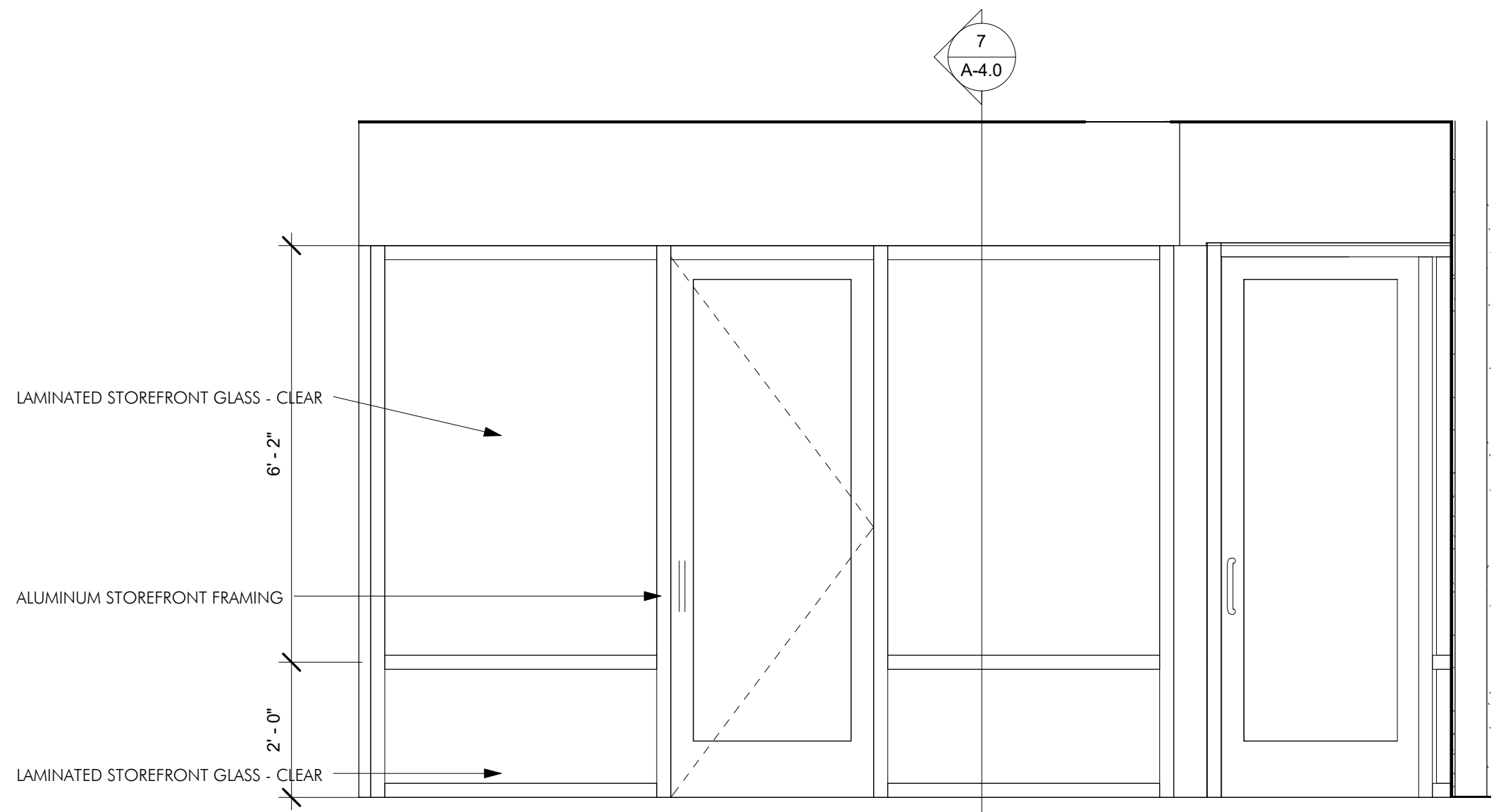
C

B

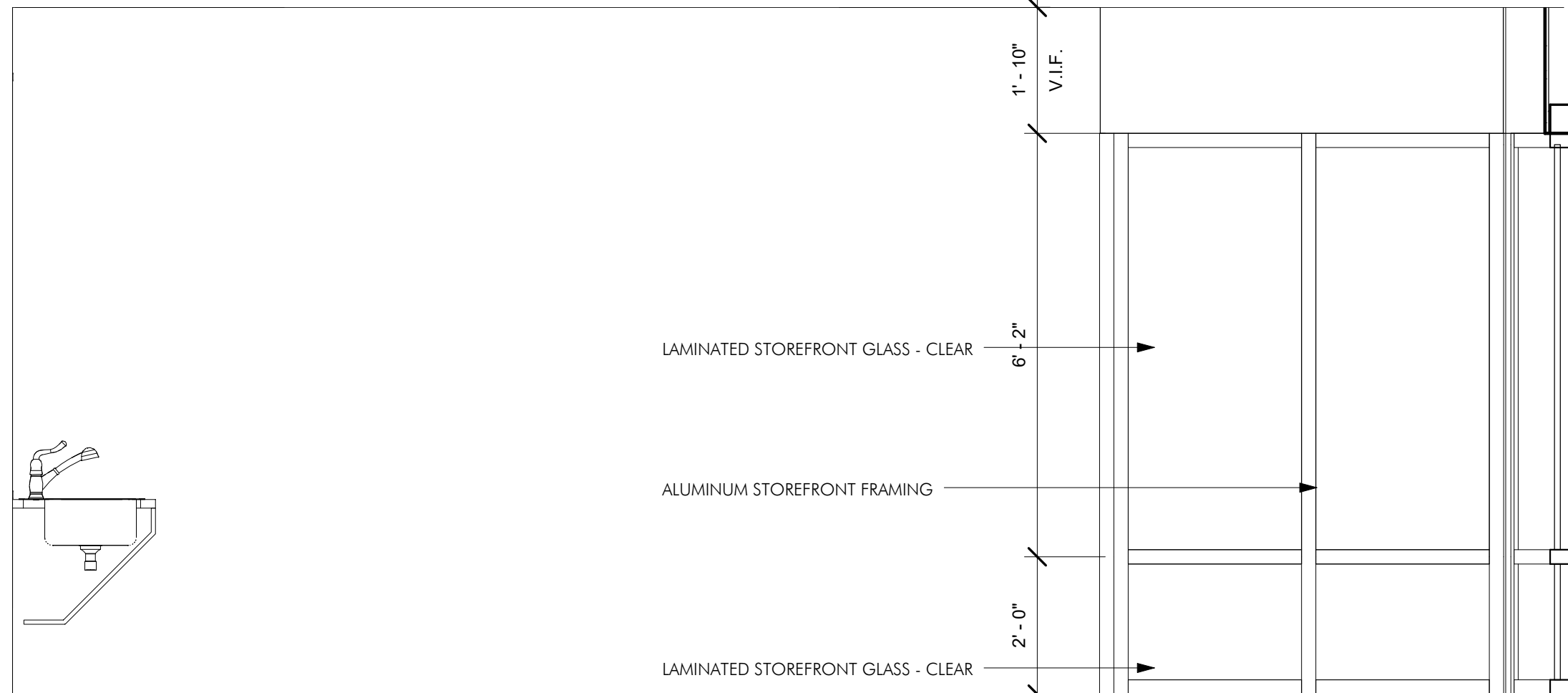
A



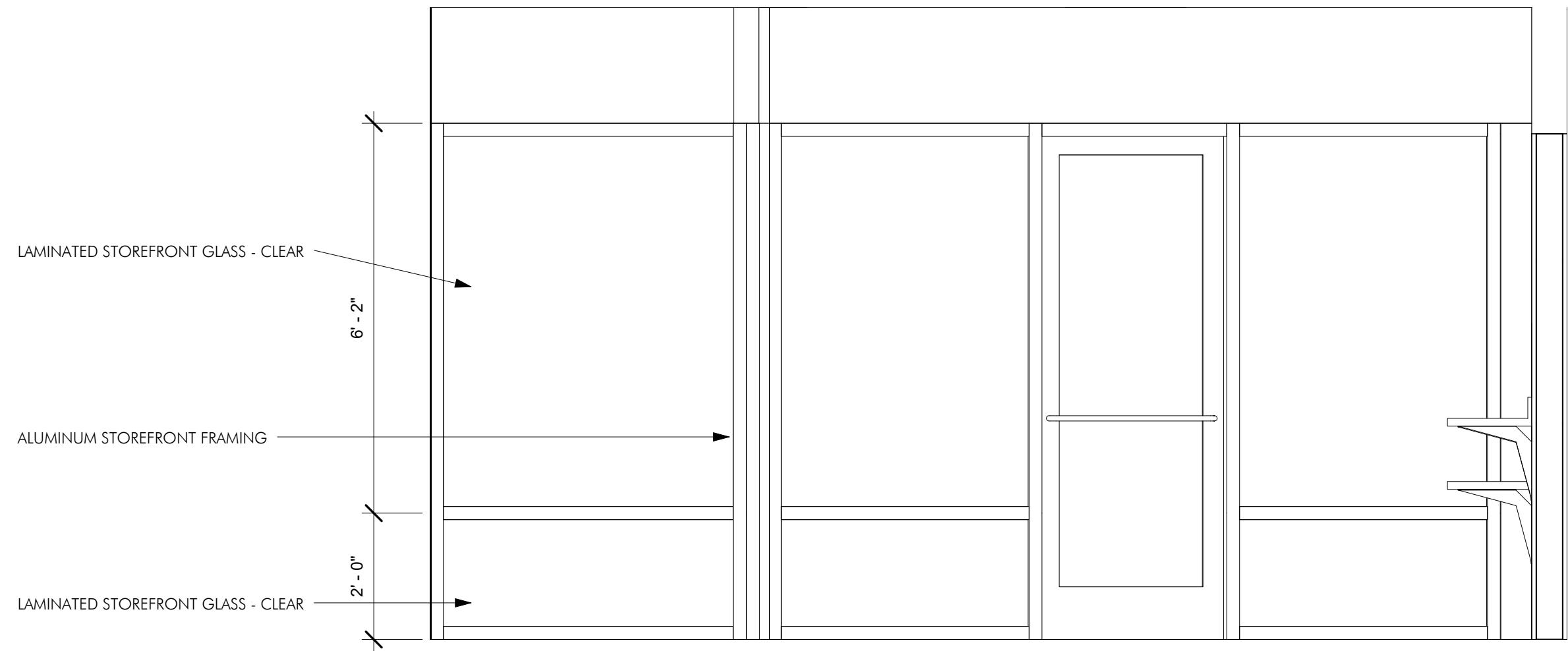
⑥ L2-B INTERIOR ELEV. 06
1/2" = 1'-0"



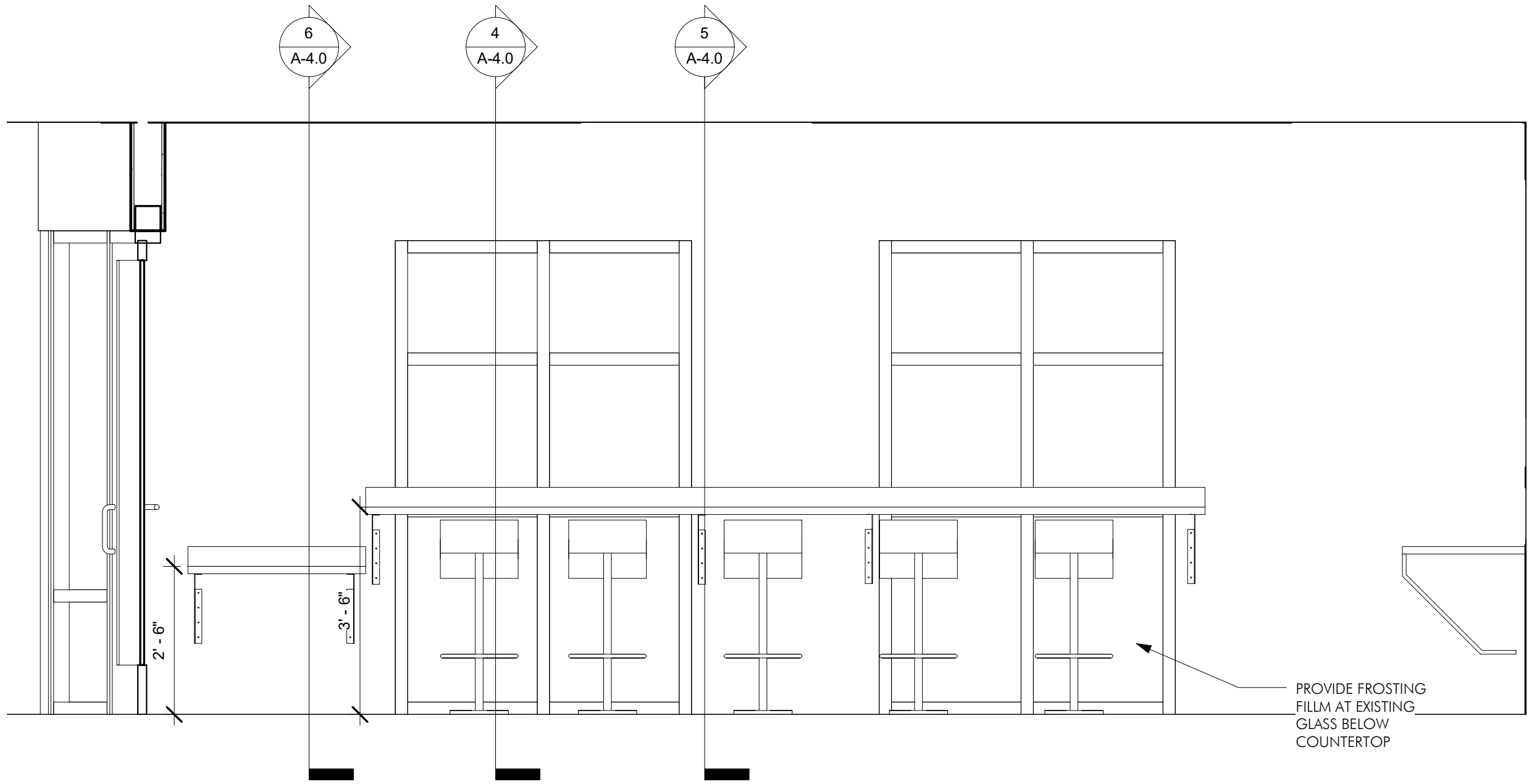
⑤ L2-B INTERIOR ELEV. 05
1/2" = 1'-0"



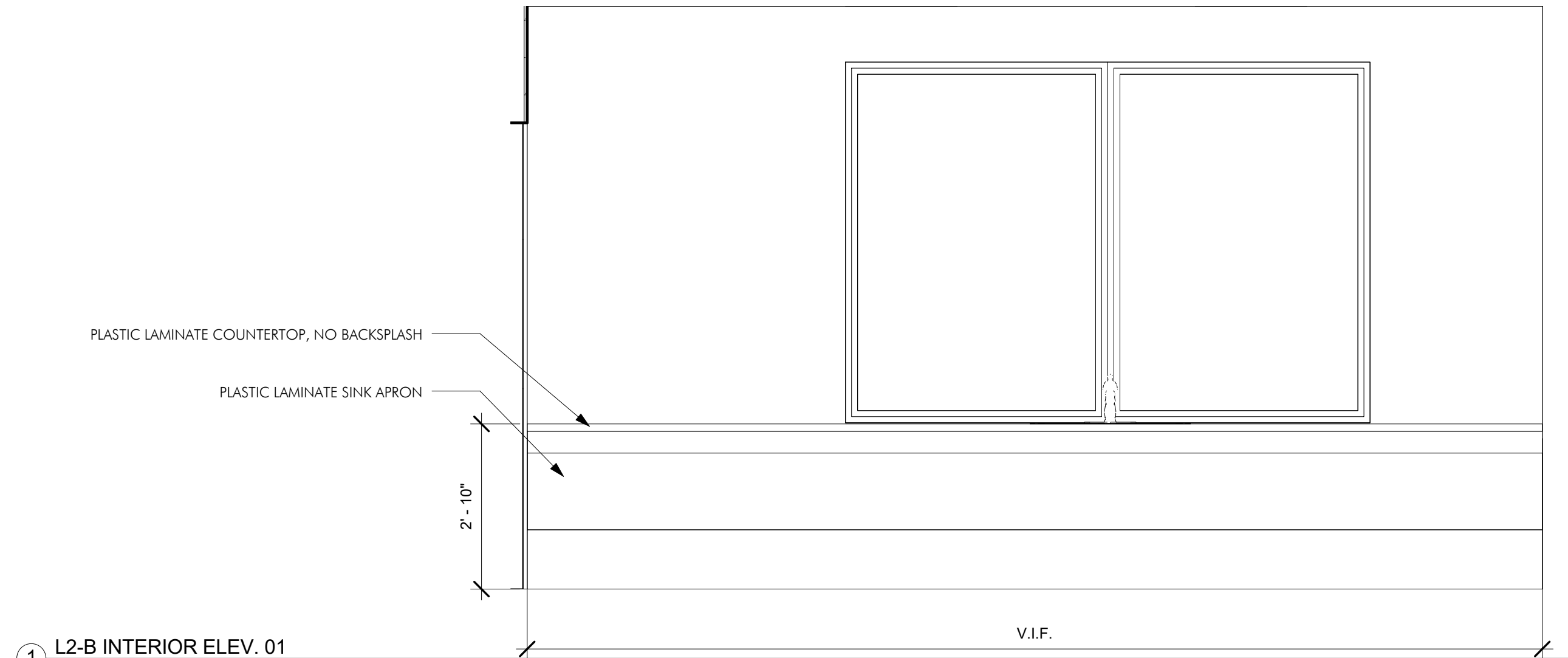
④ L2-B INTERIOR ELEV. 04
1/2" = 1'-0"



③ L2-B INTERIOR ELEV. 03
1/2" = 1'-0"



② L2-B INTERIOR ELEV. 02
1/2" = 1'-0"



① L2-B INTERIOR ELEV. 01
1/2" = 1'-0"



109 S [harris street] round rock
[suite 200] texas 78664
ryan@modedc.us | www.modedc.us
+1 512 733 1150



12/21/2015

TENANT IMPROVEMENT FOR:

WILCO JUSTICE CENTER BREAK ROOMS
405 MARTIN LUTHER KING DR., GEORGETOWN, TEXAS 78626

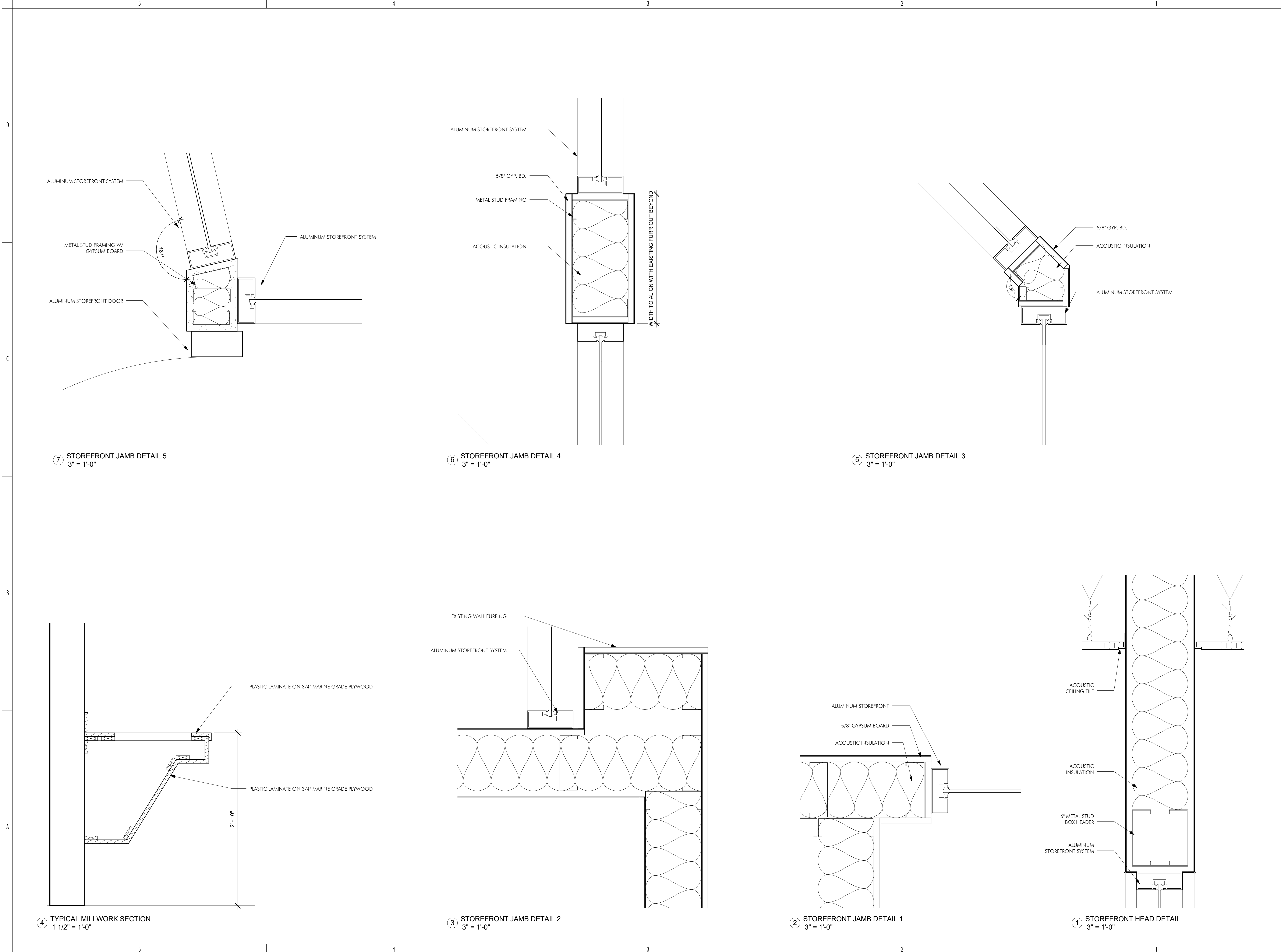
PROJECT PHASE
CONSTRUCTION DOCUMENTS
REVISIONS

PROJECT NUMBER
15116-00
DATE ISSUED
12/21/2015
SHEET TITLE

L2-B INTERIOR
ELEVATIONS- BASE BID

SHEET NUMBER

A-4.1



TENANT IMPROVEMENT FOR:
WILCO JUSTICE CENTER BREAK ROOMS
405 MARTIN LUTHER KING DR., GEORGETOWN, TEXAS 78626

PROJECT PHASE
CONSTRUCTION DOCUMENTS
REVISIONS

PROJECT NUMBER
15116-00
DATE ISSUED
12/21/2015
SHEET TITLE

TYPICAL DETAILS

SHEET NUMBER
A-5.0

D

C

B

A

MECHANICAL LEGEND

(NOTE: ALL SYMBOLS SHOWN ARE NOT NECESSARILY USED ON DRAWINGS)

TWO-LINE

ONE-LINE

DUCTWORK

DUCTWORK SIZE, 1st NO. VISIBLE DIMENSION

DUCTWORK TURNING

BRANCH DUCT TAKEOFF

DUCT TEE

TRANSITION

FLEXIBLE DUCT

FLEXIBLE CONNECTION

VOLUME DAMPER

FIRE DAMPER OR SMOKE DAMPER

SUPPLY DUCT, OUTSIDE AIR DUCT SECTION RECTANGULAR, FLAT, OVAL, ROUND

RETURN/EXHAUST/OUTSIDE AIR DUCT SECTION

SIDEWALL GRILLE OR REGISTER (SUPPLY)

SIDEWALL GRILLE OR REGISTER (RETURN OR EXHAUST)

CEILING GRILLE OR REGISTER (SUPPLY)

CEILING GRILLE OR REGISTER (EXHAUST & RETURN)

SMOKE DETECTOR (DIVISION 26)

THERMOSTAT

CHANGE IN ELEVATION (R), (F)

VALVES

TWO-WAY CONTROL VALVE

THREE-WAY CONTROL VALVE

UNION

BUTTERFLY VALVE

TEMPERATURE/ PRESSURE RELIEF VALVE

GLOBE VALVE

GATE VALVE

STRAINER W/ BLOWDOWN GATE VALVE

BALL VALVE

CIRCUIT SETTER, BALANCING VALVE

PLUG VALVE

VALVE IN VERTICAL

FIRE CONTROL

FIRE SPRINKLER LINE

FIRE SUPPLY MAIN

FIRE DEPARTMENT CONNECTION LINE

FLANGE CONNECTION

DROP AT 45° ANGLE

ELBOW TURNING DOWN

ELBOW TURNING UP

CAPPED PIPE

FLEXIBLE CONNECTION

CONCENTRIC PIPE REDUCER/INCREASER

ECCENTRIC PIPE REDUCER/INCREASER

DIRECTION OF SLOPE (DOWN WARD)

GENERAL NOTES

1. THESE GENERAL NOTES APPLY TO ALL SHEETS

2. IN ANY CASE WHERE A PIPE OR DUCT SHOWN ON A PLAN SHEET DIFFERS FROM THAT SHOWN IN A SCHEMATIC OR DETAIL, USE THE LARGER OF THE TWO SIZES SHOWN.

3. PIPING SHOWN ON EACH PLAN IS RUN ABOVE THE CEILING ON THE FLOOR WHERE IT IS SHOWN UNLESS OTHERWISE NOTED.

4. MOUNT THERMOSTATS 48 INCHES ABOVE FINISHED FLOOR AND CENTERED ABOVE THE LIGHT SWITCHES WHERE BOTH OCCUR IN THE SAME LOCATION, UNLESS OTHERWISE NOTED.

5. ALL DUCT DIMENSIONS SHOWN ARE CLEAR AIRSTREAM DIMENSIONS.

6. DO NOT RUN AIR HANDLERS OR EXHAUST FANS UNTIL ALL INTERIOR CLEANING AND PAINTING IS COMPLETE. THE CLEANING OF FOULED COILS OR FAN ASSEMBLIES DUE TO PAINT OR CONSTRUCTION DEBRIS WILL BE THE RESPONSIBILITY OF THE HVAC CONTRACTOR.

7. ALL REFRIGERANT CIRCUIT SERVICE PORTS LOCATED ON THE EXTERIOR OF THE BUILDING SHALL BE PROVIDED WITH LOCKING ACCESS PORT CAPS.

8. NORMAL DESIGN CONDITIONS:

	OUTSIDE	INSIDE
SUMMER:	98 °F db, 78 °F wb	75 °F db, 50% RH
WINTER:	20 °F db	72 °F db

ABBREVIATIONS

B. VA.

BALL VALVE

BAL. VA.

CKT. SETTER BALANCING VALVE

D

CONDENSATE DRAIN LINE

EOD

EMERGENCY OVERFLOW DRAIN

EXT FCO

EXTERIOR FLOOR CLEANOUT

FS

FIRE SPRINKLER

F

FIRE LINE (BUILDING MAIN)

FD (OR) SD

FIRE / SMOKE DAMPER

GT. V

GATE VALVE

GL. V

GLOBE VALVE

MVD

MOTORIZED VOLUME DAMPER

OA, RA, EXH

O.A.,R.A. EXH. AIR DUCT

RED.

REDUCER

TI

TEMP. INDICATOR (THERMOMETER)

T.&P.

TEMP. & PRESS. RELIEF VALVE

VD

VOLUME DAMPER

DIFFUSER & GRILLE SCHEDULE

MARK	CFM RANGE	SUPPLY	RETURN	EXHAUST	TYPE	DIFFUSER CONNECTION SIZE	PATTERN	REMARKS
A	0-150	●		●	LOUVER FACE CLG. DIFFUSER	6"	4-WAY	PRICE ASCD, 24/24 FACE
B	151-300	●		●		8"		
C	301-450	●		●		10"		
D	451-650	●		●		12"		
E	651-850	●		●		14"		
F	0-1000		●		ALUMINUM EGG CRATE	22" X 22"	-	PRICE 80, 24/24 FACE
EX	-				-	-	-	EXISTING DIFFUSER/GRILLE TO REMAIN OR BE RELOCATED.

SINGLE DUCT SUPPLY VAV BOX SCHEDULE

MARK	DESIGN AIR FLOW (CFM) MAX/MIN	VAV BOX STATIC PRESS. DIFF. (IN. H ₂ O)	INLET SIZE (IN. DIA.)	HEATING CFM	CAPACITY AT HEATING CFM BTUH	WATER GPM	E.A.T./L.A.T./°F	MIN. ROWS	REMARKS
VAV-2-11	520/180	0.5"	8	180	6800	0.5	55/90	2	TITUS DESV W/ HOT WATER COIL - MUST MATCH EXISTING BUILDING BOXES

* INLET DUCT SHALL BE SAME SIZE AS BOX INLET UNLESS OTHERWISE INDICATED ON PLANS.

** PROVIDE 24 VOLT CONTROL TRANSFORMER, DDC ZONE SENSOR, DISCONNECT SWITCH, HANGER BRACKETS, LOW LEAKAGE GASKETED ACCESS DOOR, 1" LINER.

*** DDC CONTROLS SHALL BE PROVIDED AND INSTALLED THAT MATCH THE EXISTING BUILDING CONTROL SYSTEM.

**** GPM IS BASED ON 160 °F EWT PER EXISTING BUILDING DRAWINGS.

***** ELECTRICAL CONTRACTOR SHALL PROVIDE 120/1/60 POWER TO EACH BOX FOR CONTROLS.

MODE

design company

109 S | harris street | round rock | suite 200 | texas 78664

ryan@modedc.us | www.modedc.us

+1 512 733 1150

STATE OF TEXAS

T. DREW WILLIAMS

113389

REGISTERED PROFESSIONAL ENGINEER

12/8/15 #F-15783

PROJECT PHASE

PERMIT

REVISIONS

PROJECT NUMBER

DATE ISSUED

12/08/15

SHEET TITLE

Mechanical Schedules

SHEET NUMBER

M1-0

STAR OF TEXAS

ENGINEERING, PLLC

2851 Joe DiMaggio Blvd.. STE. 9, Round Rock, TX 78665

512-917-0925

dmedonald@starofTEXASengineering.com

TBPE F-15783


WILCO JUSTICE CENTER

EXPANSION BREAK ROOMS

405 MARTIN LUTHER KING DR., GEORGETOWN, TEXAS 78626

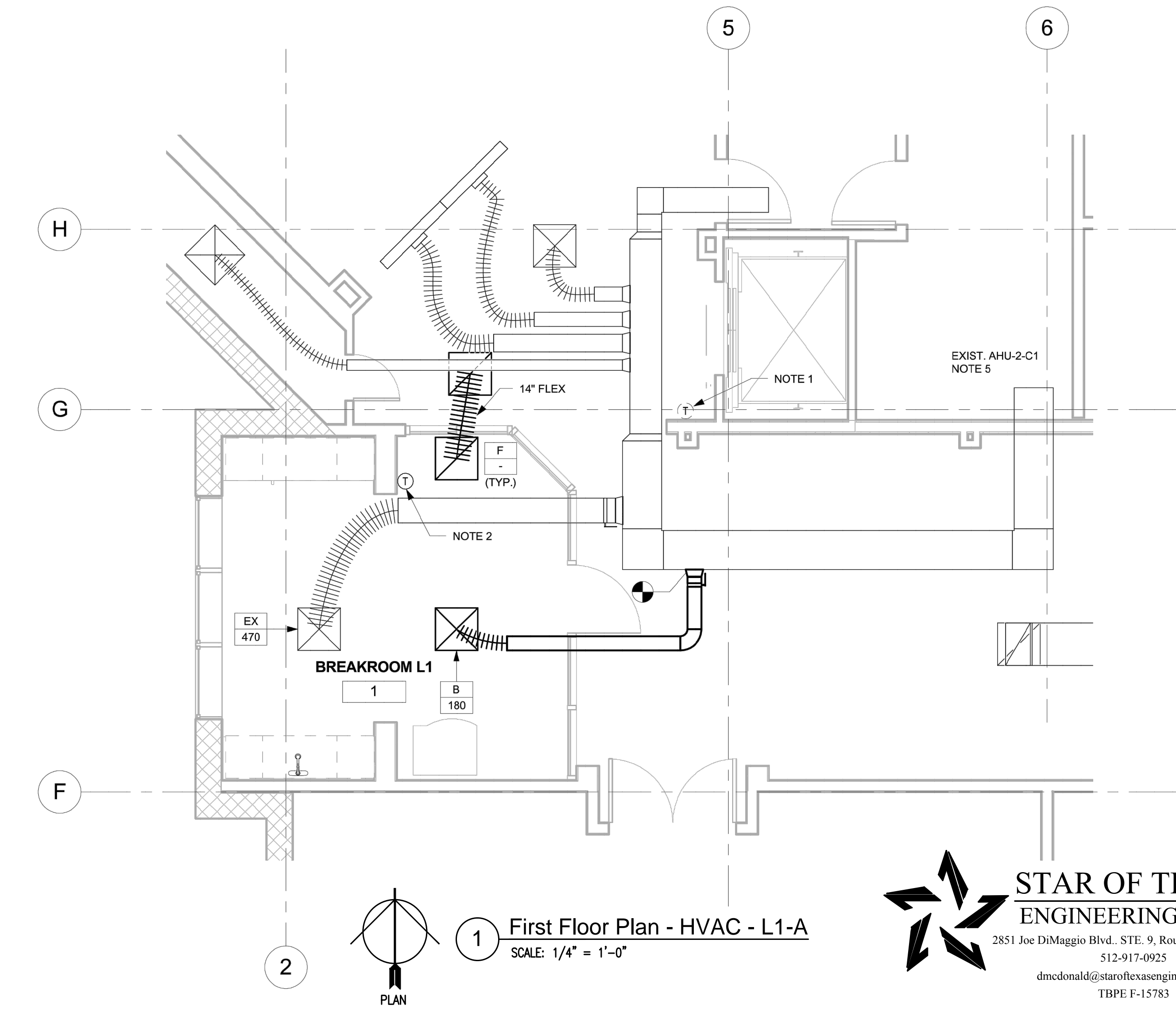
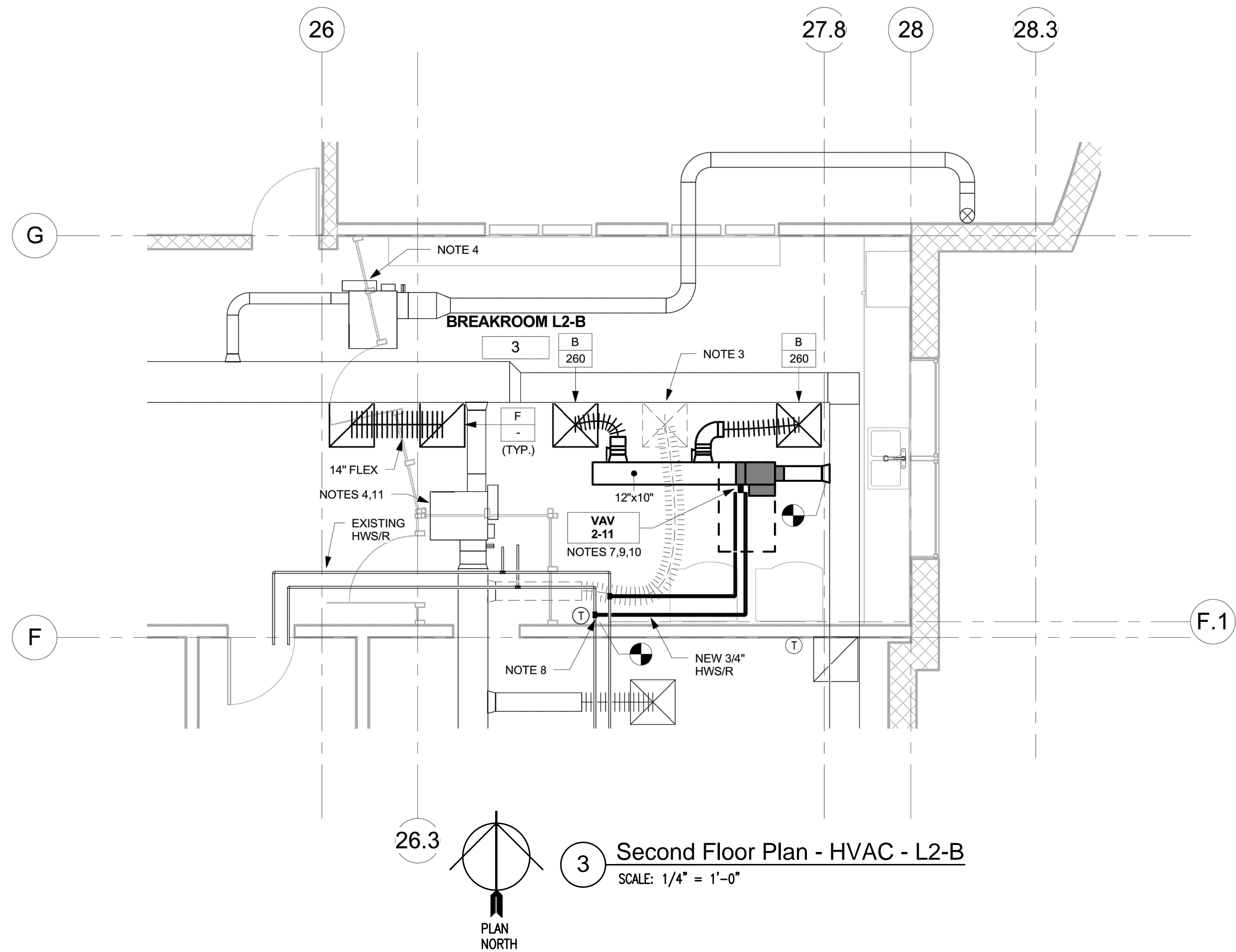
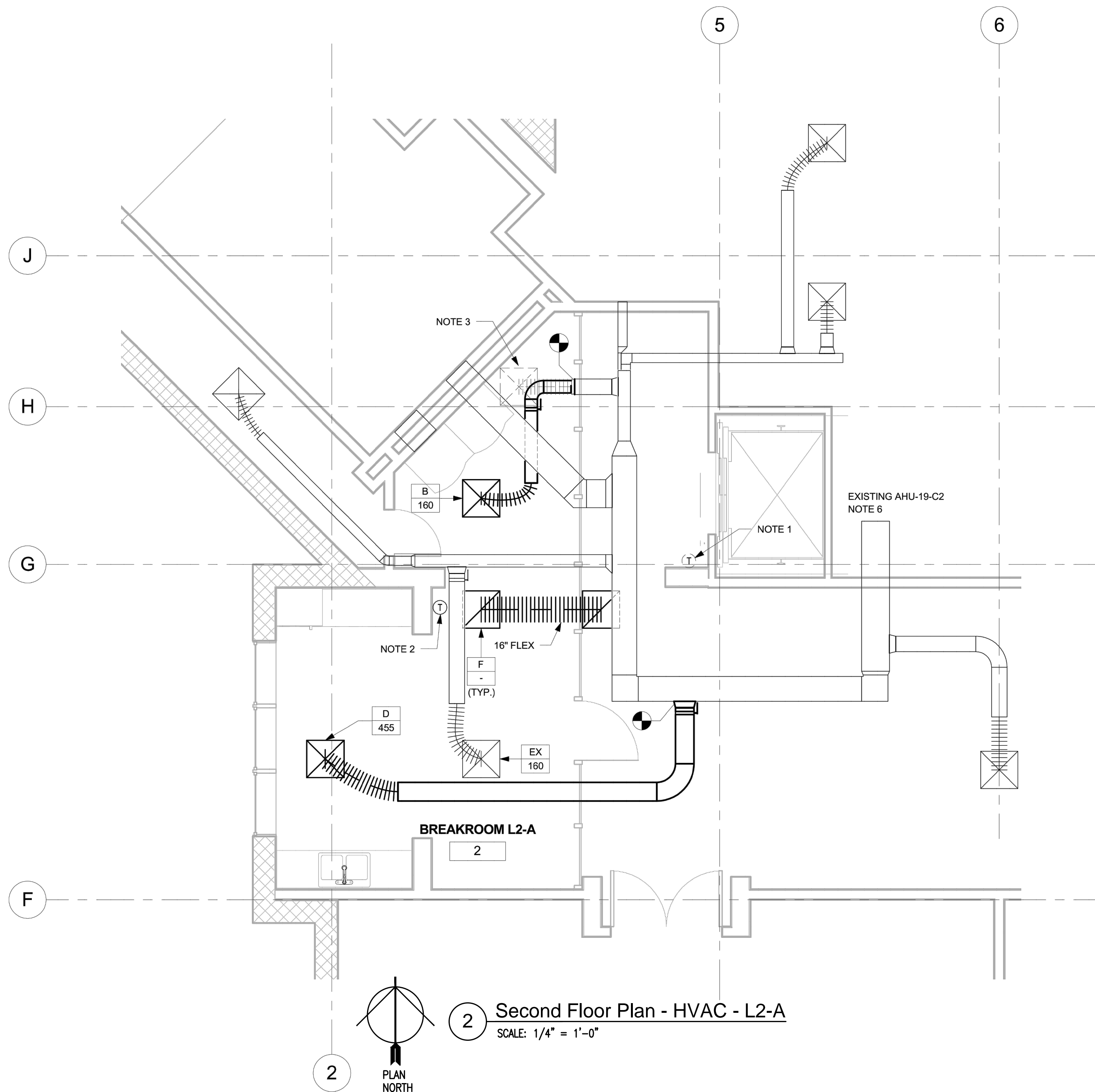
12/12/2016 10:41 AM

GENERAL NOTES (APPLIES TO ALL VIEWS):

1. ALL MECHANICAL WORK SHOWN IN HALF-TONE IS EXISTING TO REMAIN.
2. ALL MECHANICAL EQUIPMENT SHOWN IN BOLD LINE TYPE IS NEW TO BE INSTALLED.
3. DASHED LINE TYPE IS TO BE REMOVED.
4.  CONNECT TO EXISTING SYMBOL.
5. WHERE THERE ARE SHEET ROCK OR INACCESSIBLE CEILINGS CONCEALING VOLUME DAMPERS, PROVIDE AND INSTALL YOUNG'S REGULATORS. COORDINATE EXACT LOCATION OF CONTROLLER / "BUTTON" WITH ARCHITECT.
6. INSTALL DUCT AND PIPE PENETRATIONS PER STRUCTURAL AND ARCHITECTURAL REQUIREMENTS.
7. ALL DUCT DIMENSIONS SHOWN ARE CLEAR AIRSTREAM SHEETMETAL DIMENSIONS.
8. ALL RETURN AIR GRILLES SHALL BE TYPE "F" UNLESS OTHERWISE NOTED.
9. BALANCE NEW AND EXISTING DIFFUSERS TO THE THOSE SCHEDULED ON THE PLANS. PROVIDE MANUAL BALANCING DAMPERS IN EXISTING DUCT TAPS IF NONE ARE PROVIDED CURRENTLY.
10. NOT ALL DUCT OFFSETS ARE SHOWN. PROVIDE AND INSTALL ALL ADDITIONAL OFFSETS AS REQUIRED FOR A COMPLETE, WORKING AND MAINTAINABLE SYSTEM.
11. CFMS SHOWN ASSUMES BLINDS AND/OR SHADING BEING ADDED TO THE EXISTING WINDOWS.

PLAN NOTES (APPLIES TO ALL VIEWS):

1. RELOCATE EXISTING THERMOSTAT TO NEW LOCATION. PROVIDE ALL NEW WIRING AS REQUIRED.
2. NEW LOCATION OF EXISTING THERMOSTAT.
3. REMOVE EXISTING DIFFUSER, DUCTWORK AND DAMPER AND INSTALL NEW AS SHOWN. CAP/SEAL MAIN DUCT AIR TIGHT. TYPICAL.
4. RELOCATE EXISTING FVAV UNIT OFF NEW WALL AS REQUIRED FOR MAINTENANCE ACCESS. COORDINATE FINAL LOCATION IN THE FIELD. PROVIDE NEW DUCTWORK, PIPING, WIRING, ETC. AS REQUIRED.
5. CONTRACTOR SHALL RE-SHEAVE EXISTING UNIT (AHU-2-C1) AS REQUIRED TO PROVIDE THE ADDITIONAL 50 CFM BEING ADDED TO THE SYSTEM.
6. CONTRACTOR SHALL RE-SHEAVE EXISTING UNIT (AHU-19-C2) AS REQUIRED TO PROVIDE THE ADDITIONAL 225 CFM BEING ADDED TO THE SYSTEM.
7. CONTRACTOR SHALL RE-SHEAVE EXISTING UNIT (AHU-A-1 IN ATTIC) AS REQUIRED TO PROVIDE THE ADDITIONAL 180 CFM BEING ADDED TO THE SYSTEM.
8. HOT TAP EXISTING 3/4" HWS/R LINES WITH NEW 3/4" HWS/R LINES. CONTRACTOR SHALL VERIFY EXACT SUPPLY/RETURN CONFIGURATIONS BEFORE INSTALLATION.
9. INSTALL VAV UNIT PER MANUFACTURER'S RECOMMENDATIONS AND MAINTAIN ALL RECOMMENDED CLEARANCE.
10. PROVIDE 2-WAY HEATING WATER CONTROL VALVING ASSEMBLY. SEE DETAIL.
11. CONTRACTOR SHALL REBALANCE EXISTING FVAV UNIT AS REQUIRED FOR THE REMOVAL OF 340 CFM FROM THE SYSTEM.



**WILCO JUSTICE CENTER
EXPANSION BREAK ROOMS**

405 MARTIN LUTHER KING DR., GEORGETOWN, TEXAS 78626

PROJECT PHASE
PERMIT
REVISIONS

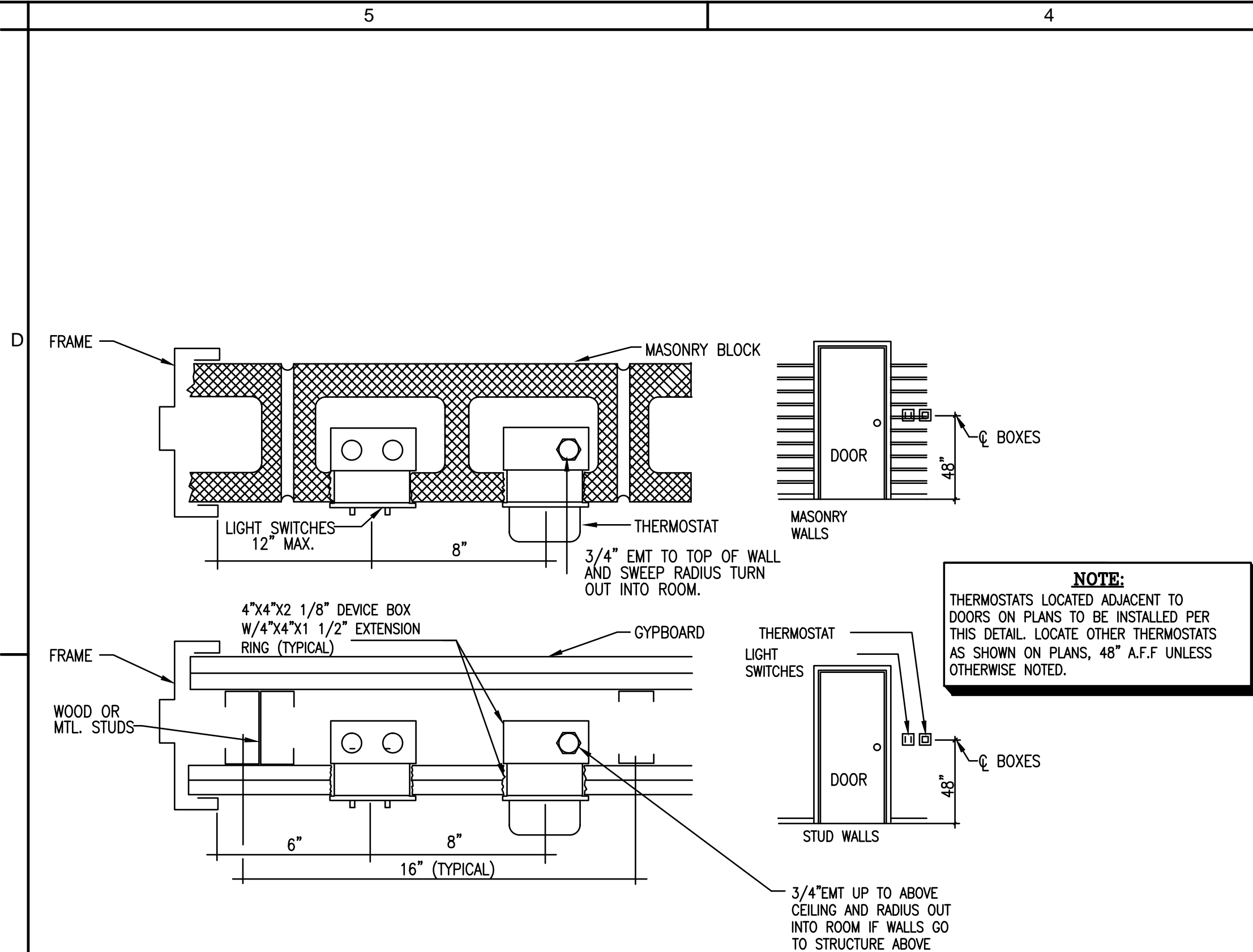
PROJECT NUMBER

DATE ISSUED
12/08/15
SHEET TITLE

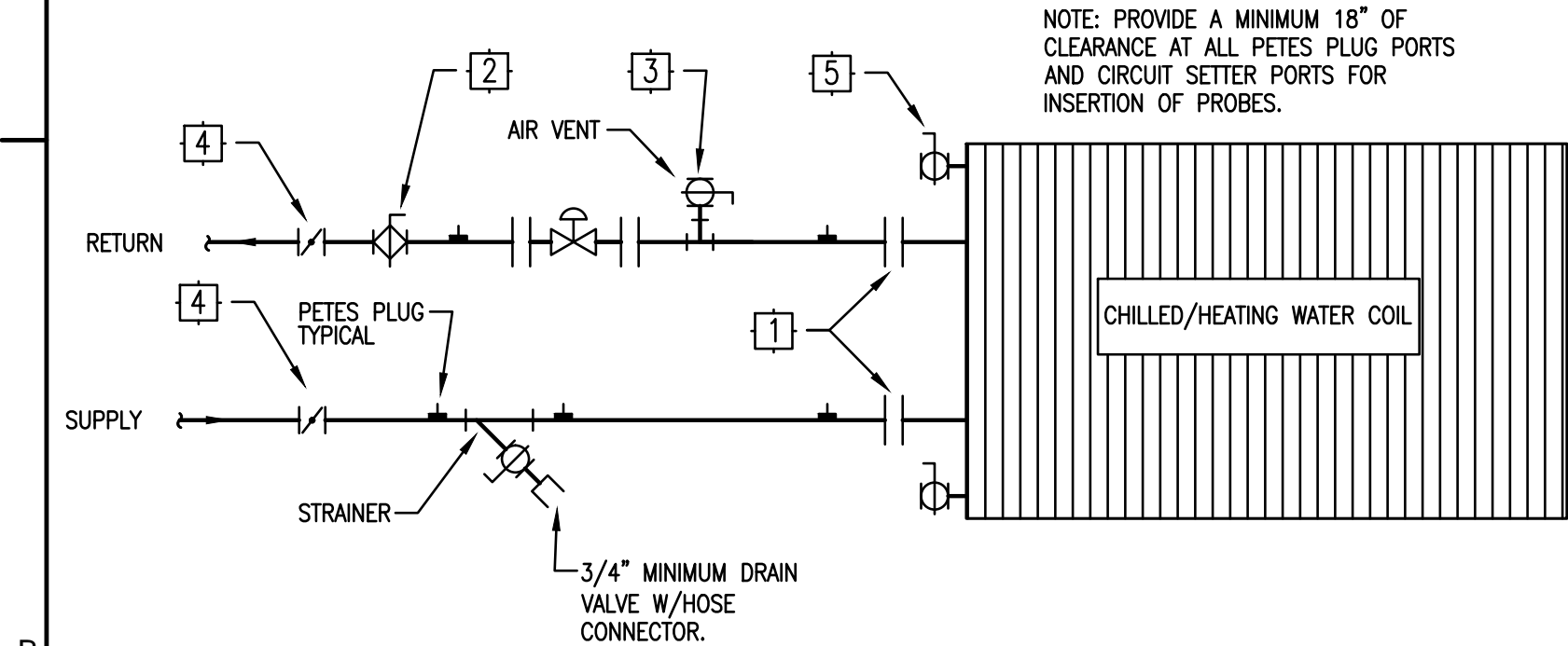
Floor Plans - HVAC

SHEET NUMBER

M2-1



1 ROOM THERMOSTAT/ LIGHT SWITCH DETAIL
SCALE: NOT TO SCALE



- 1

PROVIDE UNIONS FOR 3/4" TO 1 1/2" AND FLANGES FOR 2" AND UP (TYPICAL).
- 2

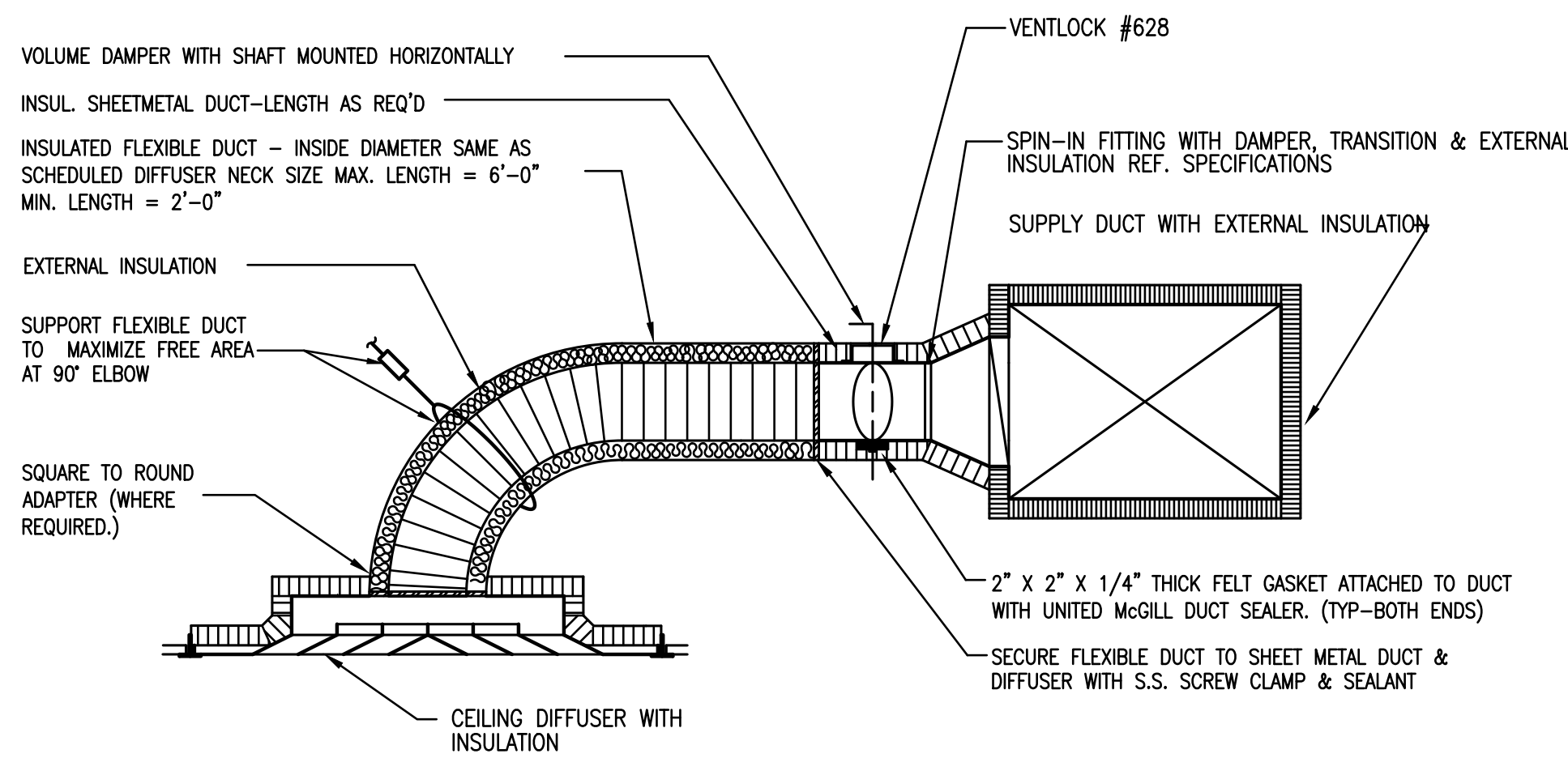
PROVIDE BALANCING VALVES AS REQUIRED BY PIPE SIZE & SPECIFICATIONS. BALANCE FLOW THROUGH COIL WITH CONTROL VALVE IN FULL OPEN POSITION.
- 3

AIR VENT CAN BE DELETED IF COILS ARE EQUIPPED WITH DRAINS AND VENTS AS DESCRIBED IN KEYNOTE 5.
- 4

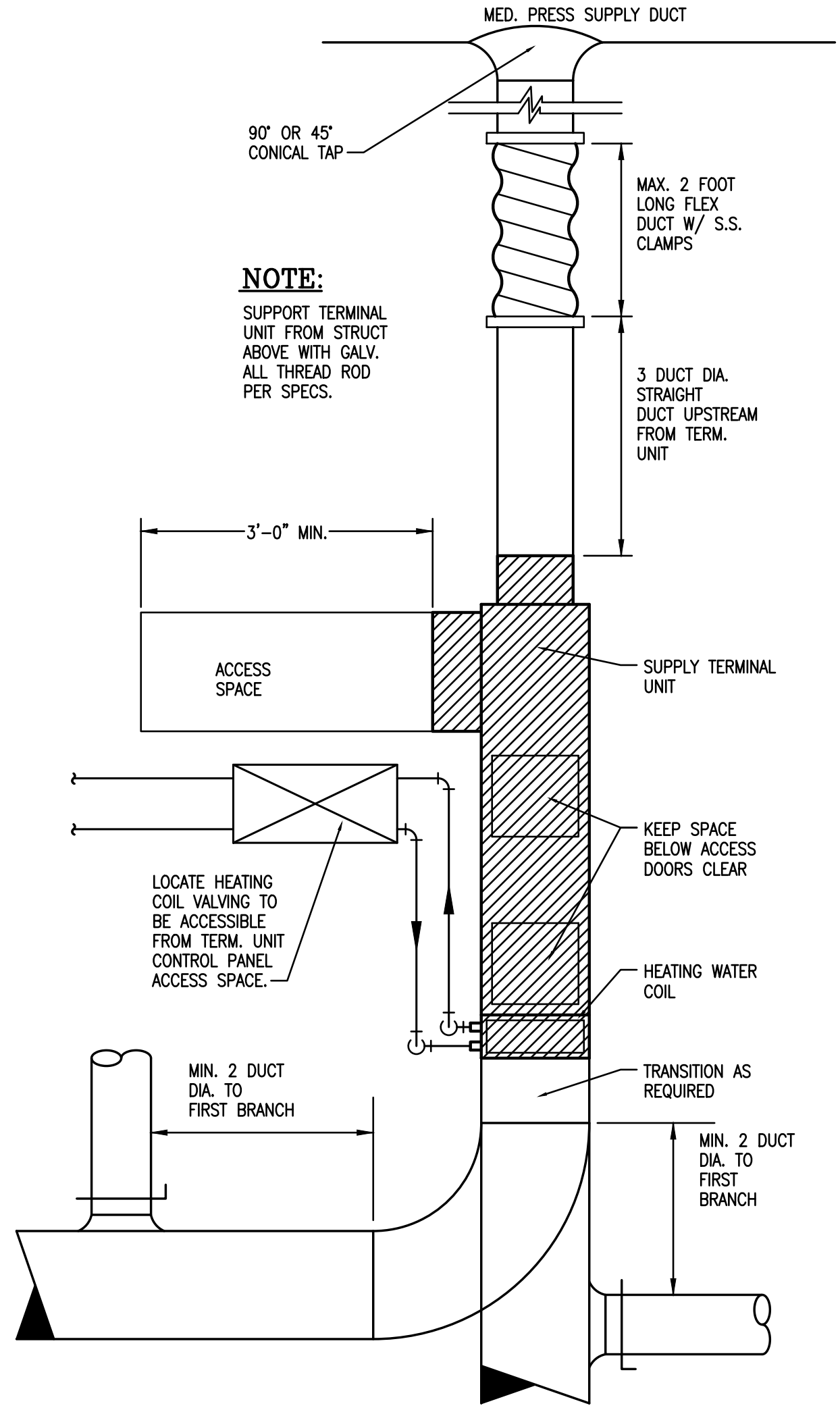
PROVIDE BALL VALVES UNDER 2 1/2" AND BUTTERFLY VALVES WITH GEAR OPERATORS 3" AND ABOVE. (TYPICAL)
- 5

IF COILS ARE EQUIPPED WITH VENTS AND DRAINS, EXTEND OUTSIDE OF CASING AND PROVIDE WITH 1/2" BALLS VALVES. (TYPICAL)

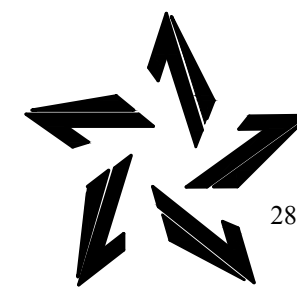
4 WATER COIL CONNECTION W/ 2-WAY CONTROL VALVE
SCALE: NOT TO SCALE

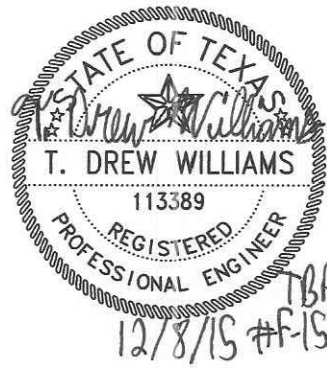


2 DIFFUSER CONNECTION DETAIL
SCALE: NOT TO SCALE



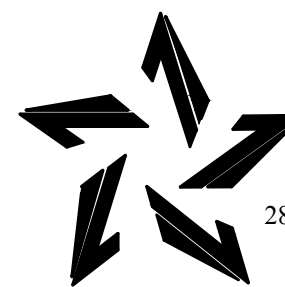
3 TERMINAL UNIT INSTALLATION DETAIL
SCALE: NOT TO SCALE





405 MARTIN LUTHER KING DR., GEORGETOWN, TEXAS 78626

M4.1



2851 Joe DiMaggio Blvd., STE. 9, Round Rock, TX 78665

512-917-0925

TBPE E-15782

M4- 1

PIPE AND FITTINGS
PROVIDE SEAMLESS, HARD-DRAWN, TYPE L, COPPER WATER TUBE CONFORMING
TO ASTM B 88, AND WROUGHT COPPER FITTINGS.

SCOPE
THIS SECTION PROVIDES FOR FURNISHING AND INSTALLING ACCESS DOORS IN AL WALL OR CEILING LOCATIONS AS REQUIRED OR SHOWN FOR ACCESS TO VALVES, CONTROLS, WATER HAMMER ARRESTORS, TRAP PRIMERS, AND OTHER EQUIPMENT REQUIRING MAINTENANCE, ADJUSTMENT OR OPERATION. PROVIDE ACCESS DOORS TO PROVIDE ACCESS TO ALL MECHANICAL ITEMS REQUIRING SERVICE OR MAINTENANCE, WHETHER SHOWN ON DRAWINGS OR NOT.

PIPE AND FITTINGS
PROVIDE SEAMLESS, HARD-DRAWN, TYPE L, COPPER WATER TUBE CONFORMING
TO ASTM B 88, AND WROUGHT COPPER FITTINGS.

SCOPE
CONTRACTOR SHALL PROVIDE AN AIR BALANCE OF ALL DUCTED SYSTEMS.
ADJUST SHEAVES, BELTS, DRIVES, DAMPERS, ETC., TO OBTAIN AIR QUANTITIES
SHOWN. VERIFY PROPER OPERATION OF ALL SYSTEMS. VERIFY ALL VOLUME
DAMPERS ARE INSTALLED. PERFORM TAB OPERATIONS AS REQUIRED BY THE
NEBB TEST AND BALANCE PROCEDURES MANUAL AND RECORD TESTS RESULT
FOR THE OWNER'S REVIEW.



109 S [harris street] round rock
[suite 200] texas 78664
ryan@modedc.us | www.modedc.us
+1 512 733 1150



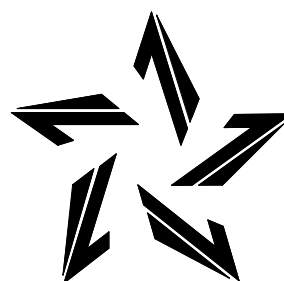
WILCO JUSTICE CENTER
EXPANSION BREAK ROOMS
405 MARTIN LUTHER KING DR., GEORGETOWN, TEXAS 78626

PROJECT PHASE
PERMIT
REVISIONS

PROJECT NUMBER
DATE ISSUED
12/08/15
SHEET TITLE

ELECTRICAL
SYMBOLS, ABBREV.
& SHEET INDEX

E0.0



STAR OF TEXAS
ENGINEERING, PLLC

12 South 4th, Suite 1, Temple, TX 76502
254-718-4897 rabroker@starofTEXASengineering.com
TBPE F-15783

SHEET INDEX

SHEET SHEET DESCRIPTION NO.

E0.0	ELECTRICAL SYMBOLS, ABBREV. & SHEET INDEX
E0.1	ELECTRICAL GENERAL NOTES
E0.2	ELECTRICAL SPECIFICATIONS
E0.3	ELECTRICAL SPECIFICATIONS
E0.4	ELECTRICAL SPECIFICATIONS
E0.5	ELECTRICAL SPECIFICATIONS
E0.6	ELECTRICAL SPECIFICATIONS
E2.0	2ND FLOOR OVERALL PLAN
E2.1	ELECTRICAL POWER PLAN
E2.2	ELECTRICAL LIGHTING PLAN
E4.1	ELECTRICAL DETAILS
E5.1	ELECTRICAL ONE-LINE DIAGRAM & SCHEDULES

LINE TYPES

DEMOLITION WORK

_____	EXISTING TO REMAIN
-----	EXISTING TO BE REMOVED

NOTE: DEMOLITION WORK IS SPECIFIED ONLY ON
DEMOLITION
SHEETS UNLESS EXPLICITLY NOTED OTHERWISE.

NEW WORK

_____	EXISTING TO REMAIN
_____	NEW WORK
-----	NEW WORK, OBSCURED VIEW

GENERAL NOTES:

- SOME SYMBOLS MAY NOT BE USED FOR THIS PROJECT.
- SEE SPECIFICATIONS AND/OR DRAWINGS FOR ADDITIONAL INFORMATION REGARDING THE DEVICES ILLUSTRATED ON THIS SHEET.

ABBREVIATIONS

ABBREV.	DESCRIPTION	ABBREV.	DESCRIPTION
A	AMMETER, AMPERE	MCB	MAGNETIC, COIL OR CONTACT MAIN CIRCUIT BREAKER
AB	ABSOLUTE	MCC	MOTOR CONTROL CENTER
AC	ALTERNATING CURRENT	MCCB	MOLDED CASE CIRCUIT BREAKER
ACB	AIR CIRCUIT BREAKER	MCP	MOTOR CIRCUIT PROTECTOR
AF	AMPERE FRAME	MFR	MANUFACTURER
AFF	ABOVE FINISHED FLOOR	MH	MANHOLE
AFG	ABOVE FINISHED GRADE	MLO	MAIN LUGS ONLY
AIC	AMP INTERRUPTING CAPACITY	MT, MTD	MOUNT, MOUNTED
AL	ALUMINUM	MTG	MOUNTING
ANN	ANNUNCIATOR	(N)	NEW
ARF	ABOVE RAISED FLOOR	N	NEUTRAL
AS	AMMETER SWITCH	NC	NORMALLY CLOSED
AT	AMP TRIP	NEC	NATIONAL ELECTRICAL CODE
ATS	AUTOMATIC TRANSFER SWITCH	NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
ATX	AUTO TRANSFORMER	NF	NON-FUSED
B	BELL	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
BC	BARE COPPER	NIC	NOT IN CONTRACT
BKR	BREAKER	NL	NIGHT LIGHT
BLDG	BUILDING	NO	NORMALLY OPEN
BOC	BOTTOM OF CONDUIT	NP	NAMEPLATE
BOD	BOTTOM OF DUCT	NTS	NOT TO SCALE
BOT	BOTTOM OF TRAY	OCFI	OWNER FURNISHED, CONTRACTOR INSTALLED
BRN	BUS REFERENCE NUMBER	OFBI	OWNER FURNISHED, OWNER INSTALLED
C	CONDUIT, COIL	OHE	OVERHEAD ELECTRIC
CB	CIRCUIT BREAKER	OL	OVERLOAD DELAY
CCTV	CLOSED CIRCUIT TELEVISION	CO	ON-OFF
CKT	CIRCUIT	OOA	ON-OFF-AUTO
CO	CONDUIT ONLY	OOR	ON-OFF-REMOTE
CPT	CONTROL POWER TRANSFORMER	PA	PUBLIC ADDRESS
CR	CONTROL RELAY	PB	PUSHBUTTON
CRE	CORROSION RESISTANT	PC	PHOTOCELL
CRS	COATED RIGID STEEL CONDUIT	PIV	PISTON INDICATOR VALVE
CRWP	CLEANROOM WALL PANEL	PL	PILOT LIGHT
CU	COPPER	PNL	PANEL
D	DUCT	PVC	POLYVINYL CHLORIDE
DB	DUCT BANK	Ø	PHASE
DIA	DIAMETER	QTY	QUANTITY
DC	DIRECT CURRENT	(R)	RELOCATED
DIV	DIVISION	R	RATE OF RISE
Δ	DELTA CONNECTED	RCPT	RECEPTACLE
E	EMPTY, EMERGENCY	RM	ROOM
(E)	EXISTING	RNC	RIGID NON-METALLIC CONDUIT
EG	ENGINE GENERATOR	RQD	REQUIRED
EM	EMERGENCY	RSC	RIGID STEEL CONDUIT
EPO	EMERGENCY POWER OFF	RVNR	REDUCED VOLTAGE NON-REVERSING
EMO	EMERGENCY MANUAL OFF	RVR	REDUCED VOLTAGE REVERSING
EMT	ELECTRICAL METALLIC TUBING	S	SPEAKER
EOL	ELECTRICAL NON-METALLIC TUBING	SEU	SYSTEM BONDING JUMPER
END	END-OF-LINE DEVICE	SCADA	SUPERVISORY CONTROL & DATA ACQUISITION
EOS	ELECTROSTATIC OVERSTRESS	SCP	SECURITY CONTROL PANEL
ERT	EMERGENCY RESPONSE TEAM	SFEP	SMOKE/FUME EXHAUST PANEL
EWV	ELECTRIC WATER COOLER	SOL	SLOW SPEED OL RELAY
F	FLUSH	SPD	SURGE PROTECTION DEVICE
(F)	FUTURE	SQ	SQUARE
FA	FIRE ALARM	SS	STAINLESS STEEL
FACP	FIRE ALARM CONTROL PANEL	STP	SHIELDED TWISTED PAIR
FBO	FURNISHED BY OWNER	SUR	SURFACE
FC	FIELD-COORDINATE	SW	SWITCH
FDR	FEDER	SWBD	SWITCHBOARD
FLR	FLOOR	SWGR	SWITCHGEAR
FMC	FLEXIBLE METALLIC CONDUIT	SYM	SYMMETRICAL
FNC	FLEXIBLE NONMETALLIC CONDUIT	2SW	TWO SPEED, ONE WINDING
FOL	FAST SPEED OL RELAY	2SW	TWO SPEED, TWO WINDING
FU	FUSE	T	THERMOSTAT
FV	FIELD-VERIFY	TB	TERMINAL BLOCK
FVNR	FULL VOLTAGE NON-REVERSING	TBD	TO BE DETERMINED
FVR	FULL VOLTAGE REVERSING	TDR	TIME DELAY RELAY
FVRI	FIELD-VERIFY PRIOR TO ROUGH-IN	TJB	TERMINAL JUNCTION BOX
G	GROUND	TS	TAMPER SWITCH
GEC	GROUNDING ELECTRODE CONDUCTOR	TWL	TWISTLOCK
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
GFR	GROUND FAULT RELAY	TYP	TYPICAL
GRD	GROUND	U/E	UNDERGROUND ELECTRIC
GSM	GAS SAFETY MONITOR	U/G	UNDERGROUND
H	HORN	UNO	UNLESS NOTED OTHERWISE
HG	HOSPITAL GRADE	UPS	UNINTERRUPTIBLE POWER SUPPLY
HH	HANDHOLE	UTP	UNSHIELDED TWISTED PAIR
HID	HIGH INTENSITY DISCHARGE	V	VOLTMETER, VOLT
HOA	HAND-OFF-AUTOMATIC	VA	VOLT-AMPERE
HP	HORSEPOWER	VAR	VOLT-AMPERE REACTIVE
HT	HEIGHT	VFC	VARIABLE FREQUENCY CONTROLLER
IOCB	INSULATED CASE CIRCUIT BREAKER	VP	VAPORPROOF
IER	INTEGRATED EQUIPMENT RATING	VS	VALVE SUPERVISORY SWITCH,
IG	ISOLATED GROUND	VT	VOLTMETER SWITCH
IMC	INTERMEDIATE METALLIC CONDUIT	W	WATT, WIRE, WIDE
I/O	INPUT/OUTPUT	WCR	WITSTAND/CLOSING RATING
IPS	INTERRUPTIBLE POWER SUPPLY	WHD	WATTHOUR DEMAND METER
I.T.	INFORMATION TECHNOLOGY	WP	WEATHER PROTECTED
J	JUNCTION BOX	X	EXPLOSION CLASS & GROUP AS NOTED
K	KEY INTERLOCK	(X)	EXISTING TO BE RELOCATED
KA	KILOAMPERE	XFMR	TRANSFORMER
KVA	KILOVOLT-AMPERE	Y	WYE CONNECTED
KVAR	KILOVOLT-AMPERE REACTIVE	Y-Δ	WYE-DELTA REDUCED VOLTAGE STARTER
KW	KILOWATT	Z	IMPEDANCE
KWH	KILOWATT HOUR		
KX	KNOX BOX		
L	LONG		
LAN	LOCAL AREA NETWORK		
LC	LIGHTING CONTACTOR		
LFMC	LIQUIDTIGHT FMC		
LFNC	LIQUIDTIGHT FNC		
LFS	LIGHTING FIXTURE SCHEDULE		
LSI	LONG TIME, SHORT TIME, INSTANTANEOUS TRIP		
LSIG	LSI PLUS GROUND FAULT TRIP		
LTG	LIGHTING		

COMMUNICATIONS

W	TELEPHONE OUTLET - 18" AFF
W	WALL MOUNTED TELEPHONE OUTLET - 48" AFF
▽	DATA OUTLET - 18" AFF
▽	TELEPHONE/DATA OUTLET 18" AFF UNO - SEE DETAILS
TV	TELEVISION OUTLET - 78" AFF
▽	TELEPHONE OUTLET MOUNTED ABOVE COUNTER TOP
IC	INTERCOM OUTLET
▽	CEILING MOUNTED DATA OUTLET
IC	CEILING MOUNTED INTERCOM OUTLET
▽	CEILING MOUNTED PHONE OUTLET
TV	CEILING MOUNTED TELEVISION OUTLET
▽	FLOOR MOUNTED DATA/VOICE OUTLET
Ⓢ	CLOCK OUTLET. SEE SPECIFICATIONS AND/OR DRAWING GENERAL OR KEYED NOTES FOR ADDITIONAL INFORMATION.
Ⓢ	CEILING MOUNTED PAGING SPEAKER
Ⓢ	SPEAKER VOLUME CONTROL
Ⓢ	LOW VOLTAGE, MOMENTARY PUSH BUTTON. SEE SPECIFICATIONS AND/OR DRAWING FOR ADDITIONAL INFORMATION.
Ⓢ	TELEPHONE TERMINAL BOARD
Ⓢ	WALL MOUNTED J-BOX FOR FURNITURE SYSTEM DATA/TELEPHONE CABLING CONNECTION. SEE SPECIFICATIONS AND/OR DRAWING GENERAL OR KEYED NOTES FOR ADDITIONAL INFORMATION.
Ⓢ	FIRE RATED POKE-THRU FOR FURNITURE SYSTEM DATA/TELEPHONE CONNECTION. SEE DRAWING FOR BASIS OF DESIGN MODEL NUMBER.

ONE-LINE

•	POINT OF CONNECTION
⎓	CIRCUIT BREAKER
⎓	CONTACT
⎓	CAPACITOR
⎓	SWITCH
⎓	INSTRUMENT TRANSFORMER
⎓	POWER TRANSFORMER
⎓	GROUND
⎓	TRANSFER SWITCH
EM	ELECTRONIC MULTIFUNCTION METER
⎓	FUSE
⎓	DRAWOUT CIRCUIT BREAKER
⎓	STAB-ON BREAKER
⎓	OVERLOAD RELAY
⎓	MOTOR CONTROL CENTER COMBINATION STARTER
⎓	THREE-PHASE MOTOR STARTER ONLY
⎓	THREE PHASE COMBINATION MOTOR STARTER AND DISCONNECT
⎓	THREE PHASE MANUAL MOTOR STARTER AND DISCONNECT
⎓	THREE PHASE DISCONNECT SWITCH
⎓	SINGLE PHASE MOTOR STARTER AND DISCONNECT.
VFD ##	VARIABLE FREQUENCY CONTROLLER, BY DIV. 23
⎓	EQUIPMENT CONTROLLER SUPPLIED BY EQUIPMENT VENDOR
⎓	MOTOR, # REPRESENTS HORSEPOWER VALUE. BY DIV. 23
⎓	SHUNT TRIP
⎓	KIRK KEY INTERLOCK
⎓	SURGE PROTECTION DEVICE
⎓	POWER FACTOR CORRECTION CAPACITOR
⎓	GROUND FAULT CIRCUIT INTERRUPTER.
⎓	FEEDER SIZE, SEE FEEDER SCHEDULE UNLESS NOTED ON DRAWINGS.
⎓	CURRENT TRANSFORMER AND METER

LIGHTING

□	2x4' FLUORESCENT LIGHTING FIXTURE ON NORMAL POWER
□	2'x2' FLUORESCENT LIGHTING FIXTURE ON NORMAL POWER
□	1'x4' FLUORESCENT LIGHTING FIXTURE ON NORMAL POWER
▀	HATCHING INDICATES LIGHTING FIXTURE WITH EMERGENCY POWER PROVISION
⎓	WALL MOUNTED EMERGENCY LIGHTING UNIT
⎓	WALL MOUNTED LIGHT FIXTURES
⎓	WALL MOUNTED LIGHT FIXTURE
⎓	WALL MOUNTED LIGHT FIXTURES
⎓	POLE MOUNTED LIGHT FIXTURES
⎓	DUAL POLE MOUNTED LIGHT FIXTURES
□	CEILING MOUNTED DOWNLIGHTS
⎓	UNDERCABINET LIGHT OR COVE/STRIP LIGHT
⎓	TRACK LIGHTING
⎓	SPORTS LIGHTING POLE AND LUMINAIRE
⎓	EXIT SIGN. FIELD REMOVABLE DIRECTIONAL ARROWS (CHEVRON TYPE) AS SHOWN ON DRAWINGS. SHADING INDICATES FACE OF SIGN.
⎓	REMOTE-MOUNTED EMERGENCY LIGHTING FIXTURE HEAD(S)
⎓	SPECIAL WORDING ILLUMINATED SIGN
⎓	SINGLE POLE SWITCH - 48" AFF. 'X' INDICATES SWITCH DESIGNATION.
⎓	3-WAY SWITCH - 48" AFF
⎓	4-WAY SWITCH - 48" AFF
⎓	DIMMER SWITCH - 48" AFF
⎓	SINGLE POLE SWITCH WITH PILOT LIGHT - 48" AFF
⎓	KEY OPERATED SWITCH - 48" AFF
⎓	SPRING WOUND TIMER OPERATED SWITCH - 48" AFF
⎓	LOW VOLTAGE SWITCH - 48" AFF
⎓	SINGLE RELAY, LINE VOLTAGE WALLBOX TYPE OCCUPANCY SENSOR, WATT-STOPPER 'DW-103' OR APPROVED EQUAL - MOUNT AT +48" AFF U.N.O.
⎓	DUAL-RELAY, LINE VOLTAGE WALLBOX TYPE OCCUPANCY SENSOR, WATT-STOPPER 'DW-203' OR APPROVED EQUAL - MOUNT AT +48" AFF U.N.O.
⎓	OCCUPANCY SENSOR - CEILING MOUNTED. SEE SPECIFICATIONS AND/OR GENERAL OR KEYED NOTES FOR ADDITIONAL INFORMATION.
⎓	OCCUPANCY SENSOR - WALL MOUNTED. SEE SPECIFICATIONS AND/OR DRAWING GENERAL OR KEYED NOTES FOR ADDITIONAL INFORMATION.
⎓	MOTION DETECTOR RELAY. SEE SPECIFICATIONS AND/OR DRAWING GENERAL OR KEYED NOTES FOR MORE INFORMATION.
⎓	PHOTO-ELECTRIC CELL/SWITCH. ORIENT TO FACE NORTHERN SKY U.N.O. SEE SPECIFICATIONS AND/OR DRAWING GENERAL OR KEYED NOTES FOR ADDITIONAL INFORMATION.
⎓	LOW VOLTAGE LIGHTING CONTROL, MOMENTARY OVERRIDE SWITCH. SEE SPECIFICATIONS AND/OR DRAWING GENERAL OR KEYED NOTED FOR ADDITIONAL INFORMATION.
⎓	OCCUPANCY SENSOR RELAY PACK. SEE SPECIFICATIONS AND/OR GENERAL OR KEYED NOTES FOR ADDITIONAL INFORMATION.
⎓	CEILING FANS

NOTES

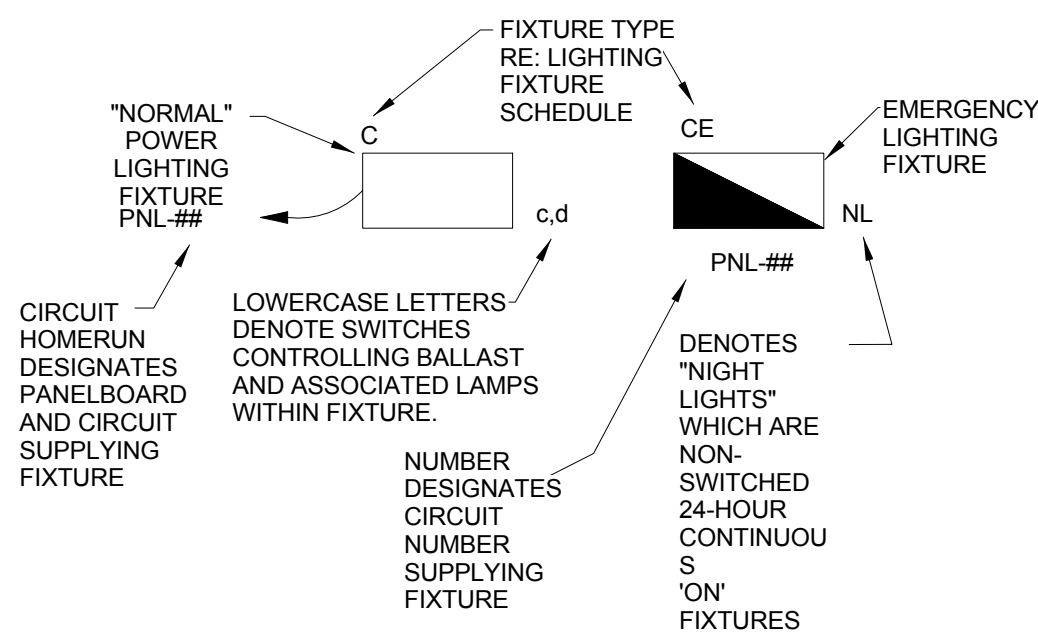
- GENERAL NOTE
- KEYED NOTE
- REVISION TRIANGLE

POWER

⎓	SIMPLEX RECEPTACLE-18" AFF
⎓	CEILING MOUNTED SIMPLEX RECEPTACLE. SEE SPECIFICATIONS AND/OR DRAWING GENERAL OR KEYED NOTES FOR ADDITIONAL INFORMATION.
⎓	FLOOR MOUNTED SIMPLEX RECEPTACLE. SEE SPECIFICATIONS AND/OR DRAWING GENERAL OR KEYED NOTES FOR ADDITIONAL INFORMATION.
⎓	SIMPLEX RECEPTACLE ON EMERGENCY POWER - 18" AFF
⎓	DUPLEX RECEPTACLE-18" AFF
⎓	DUPLEX RECEPTACLE ON EMERGENCY POWER - 18" AFF
⎓	DUPLEX RECEPTACLE WITH ROUND FAULT CIRCUIT INTERRUPTER - 18" AFF
⎓	DUPLEX RECEPTACLE WITH WEATHERPROOF WHILE IN USE COVER - 18" AFF
⎓	DUPLEX RECEPTACLE FOR TELEVISION - 78" AFF
⎓	DUPLEX RECEPTACLE W/NUMERICAL INDICATING CIRCUIT NUMBER
⎓	TAMPER RESISTANT DUPLEX RECEPTACLE - 18" AFF
⎓	DUPLEX RECEPTACLE, MOUNT BOTTOM OF DEVICE 4" ABOVE COUNTER OR DESKTOP OR SEE ARCH. ELEVATION IF PROVIDED
⎓	QUADRAPLEX RECEPTACLE-18" AFF
⎓	CEILING MOUNTED QUADRAPLEX RECEPTACLE
⎓	CEILING MOUNTED DUPLEX RECEPTACLE. SEE SPECIFICATIONS AND/OR DRAWING GENERAL OR KEYED NOTES FOR ADDITIONAL INFORMATION.
⎓	CEILING MOUNTED DUPLEX RECEPTACLE ON EMERGENCY POWER. SEE SPECIFICATIONS AND/OR DRAWING GENERAL OR KEYED NOTES FOR ADDITIONAL INFORMATION.
⎓	FLOOR MOUNTED DUPLEX RECEPTACLE. SEE SPECIFICATIONS AND/OR DRAWING GENERAL OR KEYED NOTES FOR ADDITIONAL INFORMATION.
⎓	FLOOR MOUNTED DUPLEX RECEPTACLE ON EMERGENCY POWER. SEE SPECIFICATIONS AND/OR DRAWING GENERAL OR KEYED NOTES FOR ADDITIONAL INFORMATION.
⎓	FLOOR MOUNTED QUADRAPLEX RECEPTACLE. SEE SPECIFICATIONS AND/OR DRAWING GENERAL OR KEYED NOTES FOR ADDITIONAL INFORMATION.
⎓	SPECIALTY OUTLET. SEE SPECIFICATIONS AND/OR DRAWING GENERAL OR KEYED NOTES FOR ADDITIONAL INFORMATION.
⎓	POWER POLE. SEE SPECIFICATIONS AND/OR DRAWING GENERAL NOTES OR KEYED NOTES FOR ADDITIONAL INFORMATION.
⎓	DISCONNECT SWITCH, 3-POLE UNLESS NOTED OTHERWISE
⎓	COMBINATION CONTACTOR, STARTER AND DISCONNECT, 3-POLE FUSIBLE SWITCH TYPE WITH MINIMUM NEMA '1' UNLESS NOTED OTHERWISE
⎓	THREE-PHASE MANUAL MOTOR STARTER AND DISCONNECT PLUS ENCLOSURE
⎓	SINGLE-PHASE MANUAL MOTOR STARTER AND DISCONNECT PLUS ENCLOSURE
⎓	ELECTRICAL CONNECTION
⎓	ELECTRICAL SOLENOID OR COIL CONNECTION
⎓	MOTOR - BY DIV. 23. XX REPRESENTS HORSEPOWER VALUE
⎓	JUNCTION BOX
⎓	MULTIOUTLET ASSEMBLY
⎓	ELECTRICAL PANELBOARD
⎓	ELECTRICAL ENCLOSURE
⎓	PUSH PLATE (AUTO DOOR)
⎓	BUSWAY (IN PLAN)
⎓	GROUNDING BUS BAR OR MODULE
⎓	5/8" X 10" COPPER CLAD STEEL GROUND ROD
VFD ##	VARIABLE FREQUENCY CONTROLLER. SEE SCHEDULE
⎓	ATTACHED DEVICE IS WALL MOUNTED
⎓	ENCLOSED DEVICE IS FLOOR MOUNTED
⎓	EMERGENCY POWER OFF SWITCH WITH SHUNT TRIP TO POWER PANEL
⎓	WALL MOUNTED J-BOX FOR FURNITURE SYSTEM POWER/CIRCUIT WHIP CONNECTION. SEE SPECIFICATIONS AND/OR DRAWING GENERAL NOTES OR KEYED NOTES FOR ADDITIONAL INFORMATION.
⎓	FIRE RATED POKE-THRU FOR FURNITURE SYSTEM POWER CONNECTION. SEE DRAWING FOR BASIS OF DESIGN MODEL NUMBER.
⎓	CAST-IN-PLACE OR RAISED ACCESS FLOOR BOX. SEE DRAWING FOR BASIS OF DESIGN MODEL NUMBER.

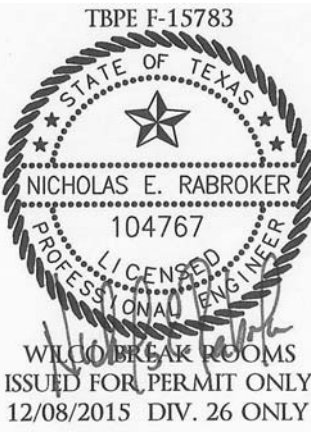
CIRCUITING

LA-#	CIRCUIT HOMERUN TO SOURCE OF SUPPLY. 'LA' INDICATES SOURCE OF SUPPLY (SWBD, PANEL, ETC.) # SIGN INDICATES RECOMMENDED CIRCUIT IN SOURCE OF SUPPLY TO UTILIZE. UNLESS NOTED OTHERWISE IN THE DOCUMENTS, THIS SYMBOL SHALL REPRESENT A CIRCUIT CONTAINING INDIVIDUAL PHASE, NEUTRAL, AND EQUIPMENT GROUNDING CONDUCTORS, ALL WITH INSULATION RATINGS PER THE SPECIFICATIONS. THE MINIMUM WIRE SIZE SHALL BE #12 AWG COPPER.
⎓	SWITCH LEG
⎓	NEUTRAL
⎓	HOT
⎓	GROUND
⎓	CIRCUIT OR LINE CONTINUATION OR BREAK
⎓	TRAVELER WIRE





109 S [harris street] round rock
[suite 200] texas 78664
ryan@modedc.us | www.modedc.us
+1 512 733 1150



405 MARTIN LUTHER KING DR., GEORGETOWN, TEXAS 78626

WILCO JUSTICE CENTER

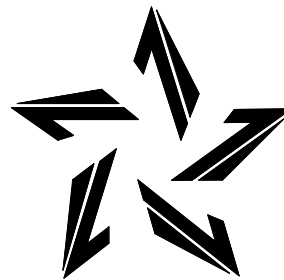
EXPANSION BREAK ROOMS

PROJECT PHASE
PERMIT
REVISIONS

PROJECT NUMBER
DATE ISSUED
12/08/15
SHEET TITLE

ELECTRICAL GENERAL
NOTES
SHEET NUMBER

E0.1



STAR OF TEXAS
ENGINEERING, PLLC

12 South 4th, Suite 1, Temple, TX 76502
254-718-4897 rabroker@starofTEXASengineering.com
TBPE F-15783

Voltage	Phase	#12 Max. Distance	#10 Max. Distance	#8 Max. Distance
120	1	66	102	163
208	1	115	177	283
208	3	132	205	326
240	1	132	205	326
240	3	153	236	377
277	1	153	236	376
480	1	265	409	652
480	3	306	472	753

Notes:
1) All single-phase distances are 'one way' distances.
2) All distances assume copper conductor material.
3) All distances assume a 20 ampere overcurrent protective device.

1 BRANCH CIRCUIT VOLTAGE DROP TABLE
NOT TO SCALE

GENERAL NOTES - DEMOLITION PLANS

(THESE APPLY TO ALL SHEETS CONTAINING DEMOLITION PLANS/INFORMATION)

- CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID AND START OF CONSTRUCTION TO DETERMINE EXISTING CONDITION OF ELECTRICAL SYSTEMS AND DEVICES. CONTRACTOR WILL BE RESPONSIBLE FOR REVIEWING ANY DOCUMENTS WHICH REFLECT EXISTING CONDITIONS.
- CONTRACTOR SHALL PROVIDE THE OWNER A WRITTEN LIST OF ANY UNCOVERED OR SURVEYED CONSTRUCTION AND/OR CODE DEFICIENCIES NOT INDICATED ON THE DOCUMENTS. CONTRACTOR SHALL OBTAIN WRITTEN DIRECTION FROM OWNER ON HOW ADDRESS DEFICIENCIES PRIOR TO STARTING ANY WORK.
- CONTRACTOR SHALL VERIFY AND/OR DETERMINE EXISTING CIRCUITING ARRANGEMENTS FOR EQUIPMENT TO BE REMOVED BEFORE DE-ENERGIZING ANY CIRCUITS. CONTRACTOR SHALL CIRCUIT TRACE TO DETERMINE PANEL AND CIRCUIT CONNECTIONS FOR ALL EXISTING EQUIPMENT TO BE REMOVED IN PREPARATION FOR RENOVATING THE DEVICES.
- CONTRACTOR SHALL PLAN ANY NECESSARY POWER OUTAGES, SHALL PREPARE A WRITTEN PROCEDURE TO BE FOLLOWED DURING THE OUTAGE TO COMPLETE THE PLANNED WORK, SHALL PROVIDE DETAILS TO THE OWNER OF WHERE POWER DISRUPTION WILL OCCUR, AND SHALL COORDINATE WITH THE OWNER TO DETERMINE WHEN THE POWER DISRUPTION IS ACCEPTABLE.
- CONTRACTOR SHALL PROVIDE TEMPORARY WIRING AND CONNECTIONS TO MAINTAIN EXISTING SYSTEMS IN SERVICE DURING CONSTRUCTION. CONTRACTOR SHALL REMOVE, RELOCATE, AND EXTEND EXISTING INSTALLATIONS TO ACCOMMODATE NEW CONSTRUCTION. IF WORK MUST BE PERFORMED ON ENERGIZED EQUIPMENT OR CIRCUITS, CONTRACTOR SHALL USE PERSONNEL QUALIFIED FOR SUCH OPERATIONS.
- CONTRACTOR SHALL REMOVE EXPOSED ABANDONED CONDUIT, INCLUDING ABANDONED CONDUIT ABOVE ACCESSIBLE CEILING FINISHES. CONTRACTOR SHALL CUT CONDUIT FLUSH WITH WALLS AND FLOORS, AND PATCH SURFACES. CONTRACTOR WILL BE RESPONSIBLE FOR CONFIRMING ALL WIRING REMAINING IN RENOVATED AREAS IS ACTIVE UPON COMPLETION OF RENOVATION AND ANY EXISTING WIRING WHICH IS INACTIVE OR ABANDONED SHALL BE REMOVED.
- UPON COMPLETION OF RENOVATION, CONTRACTOR SHALL PROVIDE CONTINUITY OF ANY CIRCUITS TO EXISTING OUTLETS OR EQUIPMENT TO REMAIN THAT MAY BE INTERRUPTED DUE TO THE DEMOLITION OF WALLS OR THE REMOVAL OF EXISTING DEVICES. CONTRACTOR SHALL CIRCUIT TRACE ALL EXISTING EQUIPMENT TO REMAIN TO CONFIRM PANEL AND CIRCUIT NUMBER. OUTLET IS CONNECTED, AND PROVIDE 'AS-BUILT' DRAWINGS INDICATING FINAL CIRCUITING. NEW PANEL DIRECTORIES ON PANELBOARDS SHALL BE CORRECTED TO REFLECT CIRCUITING CHANGES DUE TO DEMOLITION.
- EXISTING EQUIPMENT REMOVED FROM THE BUILDING SHALL BECOME THE PROPERTY OF THE OWNER IF HE ELECTS TO RETAIN THEM. ALL MATERIALS AND EQUIPMENT BEING REMOVED BY THE CONTRACTOR AND NOT REUSED IN THE PROJECT WHICH THE OWNER ELECTS NOT TO RETAIN BECOMES THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE PREMISES.
- CONTRACTOR SHALL MAINTAIN ACCESS TO EXISTING ELECTRICAL EQUIPMENT OR DEVICES WHICH REMAIN ACTIVE. CONTRACTOR SHALL EXTEND EXISTING INSTALLATIONS USING MATERIALS AND METHODS AS SPECIFIED.
- CONTRACTOR SHALL CLEAN AND REPAIR EXISTING MATERIALS AND EQUIPMENT WHICH REMAIN OR ARE TO BE REUSED. CONTRACTOR SHALL RESTORE ANY DAMAGED MATERIAL, EQUIPMENT, AND/OR FINISHES TO REMAIN TO ORIGINAL CONDITION UPON COMPLETION OF RENOVATION. CONTRACTOR SHALL EMPLOY CRAFTS THAT ORIGINALLY PERFORMED THE WORK.
- THE CONTRACTOR SHALL NOTE ANY EXISTING FIRE RATINGS/PREVENTION METHODS EMPLOYED - FIRE CAULK, LIGHTING FIXTURE "FIRE BOXES", ETC. THE CONTRACTOR SHALL MAINTAIN AND/OR RESTORE THE ORIGINAL FIRE RATING (USING SAME METHOD AS ORIGINALLY PROVIDED) AT EACH LOCATION AFFECTED BY THE WORK PERFORMED IN THIS RENOVATION. FINAL INSTALLATION APPROVAL SHALL BE BY THE AHJ AND OWNER.
- THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER OF ANY DISCOVERED FACILITY DEFICIENCIES THAT COULD POTENTIALLY CAUSE A LIFE SAFETY HAZARD TO BUILDING OCCUPANTS. FOR EXAMPLE, LIGHTING FIXTURES NOT PROPERLY SUPPORTED, BROKEN CEILING GRIDS OR TILES, DAMAGED LIGHTING FIXTURES, EXPOSED CONDUCTORS, ETC. THE CONTRACTOR SHALL NOTIFY THE OWNER AND WAIT FOR NOTICE OF HOW TO PROCEED PRIOR TO RENOVATING THE AFFECTED AREA.
- BEGINNING OF DEMOLITION INDICATES THAT CONTRACTOR ACCEPTS EXISTING CONDITIONS.

GENERAL NOTES - LIGHTING PLANS

(THESE APPLY TO ALL SHEETS CONTAINING LIGHTING PLANS/INFORMATION)

- REFER TO SHEET E0.0 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS. THE DRAWINGS ARE DIAGRAMMATIC ONLY. CONTRACTOR SHALL COORDINATE LIGHT FIXTURES, DEVICES, AND EQUIPMENT LOCATIONS WITH BUILDING ELEMENTS, THE COMPLETE SET OF CONTRACT DOCUMENTS, AND THE WORK OF OTHER TRADES PRIOR TO ROUGH-IN AND/OR INSTALLATION. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT FIXTURE PLACEMENT AND HEIGHT.
- FIELD-COORDINATE THE EXACT LOCATIONS PRIOR TO ROUGH-IN "PROVIDE" SHALL BE UNDERSTOOD TO MEAN "FURNISH AND INSTALL".
- ALL WIRING DEVICES (RECEPTACLES AND TOGGLE SWITCHES) SHALL BE RATED 20 AMPERE, MINIMUM.
- ALL LIGHTING CIRCUITS SHALL BE A MINIMUM (2)-#10, #10G, IN 3/4" C. OR LARGER IF SO REQUIRED DUE TO CIRCUIT DISTANCE. REFER TO SPECIFICATIONS AND BRANCH-CIRCUIT VOLTAGE DROP TABLE FOR ADDITIONAL INFORMATION.
- SWITCHES THAT DO NOT HAVE A SWITCHING LETTER DESIGNATION SHALL CONTROL ALL LIGHTS LOCATED WITHIN THE ROOM WHERE THE SWITCH IS LOCATED.
- COORDINATE ALL NON-EMERGENCY 24 HOUR LIGHTS WITH OWNER AND ARCHITECT. A (24) HOUR NON-SWITCHED LIGHT SHALL BE LOCATED OVER SECURITY KEYPAD(S) UNLESS OTHERWISE DIRECTED BY OWNER.
- CIRCUITRY ASSOCIATED WITH THE SCOPE OF WORK SHALL BE ACCURATELY IDENTIFIED AT THE RESPECTIVE ABOVE CEILING JUNCTION BOXES. THE ASSOCIATED PANEL, CIRCUITS, AND VOLTAGE SHALL BE IDENTIFIED ON ALL JUNCTION BOX COVERS.
- CONTRACTOR SHALL PROVIDE ACCURATE TYPE-WRITTEN PANEL SCHEDULES INDICATING THE LOCATION OF LIGHT FIXTURES AND DEVICES BY BOTH ROOM NUMBERS AND AREA DESCRIPTION.
- CONTRACTOR IS TO INCORPORATE IN THE BID THE HIGHEST FIXTURE LAYOUT PRICE IF ANY DISCREPANCIES BETWEEN THIS SHEET AND ARCHITECTURAL REFLECTED CEILING PLAN LIGHTING LAYOUT IS FOUND.
- EXIT SIGNS SHALL BE NON-SWITCHED, TYPICAL ALL EXIT SIGNS.
- THE CONTRACTOR SHALL VERIFY AND PROVIDE THE REQUIRED BALLAST, DRIVER, AND/OR POWER SUPPLY QUANTITY FOR EACH FIXTURE TYPE, OR GROUP OF FIXTURES, PRIOR TO BID.
- REFER TO ELECTRICAL SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- NOTE: CIRCUITS SHALL NOT BE SHARED BETWEEN OUTLETS, DEVICES, ETC. ON DIFFERENT FLOORS, UNLESS NOTED OTHERWISE IN THE CONSTRUCTION DOCUMENTS.
- WHERE A REMOTE BALLAST AND/OR BATTERY PACK IS SPECIFIED OR REQUIRED, THE CONTRACTOR SHALL PROVIDE BALLAST AND/OR BATTERY PACK IN AN ACCESSIBLE LOCATION WITHIN THE SELECTED EQUIPMENT MANUFACTURER'S RATINGS AND DISTANCE LIMITATIONS. FIELD-COORDINATE THE EXACT INSTALLATION LOCATION AND PROVIDE SMALL LABEL AT FIXTURE AND AT BALLAST AND BATTERY PACK INDICATING FIXTURE AND BALLAST/BATTERY PACK ARE ASSOCIATED WITH ONE ANOTHER. PROVIDE REMOTE-MOUNTED TEST SWITCH IF NECESSARY IN A LOCATION EASILY ACCESSIBLE BY THE OWNER'S MAINTENANCE STAFF (NOT MOUNTED ABOVE OR WITHIN A CEILING). PROVIDE ALL REQUIRED INFRASTRUCTURE NECESSARY FOR THE REMOTE MOUNTING OF THE BALLAST AND/ BATTERY PACK PLUS TEST SWITCH, INCLUDING, BUT NOT LIMITED TO: JUNCTION BOXES, BACK BOXES, RACEWAY, TERMINATIONS, DEVICES, INTERCONNECTING WIRING, LABELING, COVER PLATES, CONDUCTORS, ETC.
- THE CONTRACTOR SHALL PROVIDE IN THEIR BID AN ALLOWANCE FOR FURNISHING AND INSTALLING FOUR (4) EXIT SIGNS (MATCH EXISTING BUILDING STANDARDS), INCLUDING CIRCUITING TO THE APPROPRIATE CIRCUIT. THE EXACT LOCATION SHALL BE AS DETERMINED BY THE AHJ.

GENERAL NOTES - POWER PLANS

(THESE APPLY TO ALL SHEETS CONTAINING POWER PLANS/INFORMATION)

- REFER TO SHEET E0.0 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS. THE DRAWINGS ARE DIAGRAMMATIC ONLY. CONTRACTOR SHALL COORDINATE LIGHT FIXTURES, DEVICES, AND EQUIPMENT LOCATIONS WITH BUILDING ELEMENTS, THE COMPLETE SET OF CONTRACT DOCUMENTS, AND THE WORK OF OTHER TRADES PRIOR TO ROUGH-IN AND/OR INSTALLATION. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT FIXTURE PLACEMENT AND HEIGHT.
- ADDITIONAL WORK WILL BE REQUIRED TO PROVIDE NECESSARY INFRASTRUCTURE FOR OTHER BUILDING SYSTEMS NOT SHOWN ON THESE PLANS. REFER TO ALL DRAWINGS AND SPECIFICATIONS INCLUDED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD-COORDINATING ALL CIRCUIT REQUIREMENTS AND SHALL PROVIDE ALL INFRASTRUCTURE REQUIRED (CIRCUIT BREAKERS, SWITCHES, FUSES, TERMINATIONS, CONDUIT SYSTEM, BACKBOX(ES), ETC.) FOR A COMPLETE AND OPERABLE SYSTEM. CONNECT ADDITIONAL CIRCUITS NOT SHOWN ON THIS PLAN TO THE NEAREST SUITABLE PANELBOARD WITH SUFFICIENT AMPACITY. DENOTE ADDITIONAL CIRCUITS ON AS-BUILT FLOOR PLANS AND PANEL SCHEDULES.
- THE COMMUNICATIONS (DATA & TELEPHONE) AND SECURITY SYSTEMS ARE TO BE SPECIFIED BY THE OWNER. THE CONTRACTOR FIELD-COORDINATE THE EXACT REQUIREMENTS WITH THE OWNER AND/OR OWNER'S REPRESENTATIVE AND SHALL FURNISH AND INSTALL ALL INFRASTRUCTURE REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM. RE: GENERAL NOTE #3 ABOVE.
- "PROVIDE" SHALL BE UNDERSTOOD TO MEAN "FURNISH AND INSTALL".
- THE MINIMUM ALLOWABLE CONDUCTOR SIZE SHALL BE #12 AWG.
- THE MINIMUM ALLOWABLE CONDUIT SIZE SHALL BE 3/4". THE CONTRACTOR SHALL ADHERE TO FILL RATES REQUIRED BY NEC.
- ALL WIRING DEVICES (RECEPTACLES AND SWITCHES) SHALL BE RATED 20 AMPERE, MINIMUM.
- SHOULD ANY 120VAC, 20-AMPERE POWER DEVICE BE SPECIFIED WITHOUT CIRCUIT INFORMATION, PROVIDE (2)-#12, #12G, (OR LARGER IF REQ'D DUE TO CIRCUIT LENGTH RE: SPECS AND BRANCH-CIRCUIT VOLTAGE DROP TABLE) IN 3/4" C. FROM THE DEVICE TO THE NEAREST AVAILABLE CIRCUIT WITH SUFFICIENT CAPACITY. IF NO CIRCUIT WITH SUFFICIENT CAPACITY EXISTS, PROVIDE A NEW CIRCUIT FROM THE APPROPRIATE PANELBOARD SERVING THAT AREA. IF NECESSARY, PROVIDE A NEW 20-AMPERE CIRCUIT BREAKER AND ALL CONDUIT, CONDUCTORS, BOXES, TERMINATIONS, LABELING, ETC. AS NECESSARY. MINIMUM CONDUCTOR SIZE SHALL BE #12 AWG OR AS REQUIRED DUE TO CIRCUIT LENGTH. RE: SPECIFICATIONS FOR MORE INFORMATION.
- UNLESS NOTED OTHERWISE, ALL 20-AMPERE POWER RECEPTACLES LOCATED IN AREAS CONSIDERED "WET" LOCATIONS SHALL BE WEATHER-RESISTANT GFCI-TYPE RECEPTACLES. THE ENGINEER AND AHJ SHALL HAVE FINAL DECISION ON DETERMINATION OF "WET" LOCATION. PROVIDE A WEATHERPROOF WHILE-IN-USE COVER PLATE.
- ALL POWER RECEPTACLES PROTECTED BY ONE (1) OR MORE GROUND-FAULT CIRCUIT INTERRUPTER (GFCI) DEVICES SHALL BE IDENTIFIED WITH THE MANUFACTURER'S LABELS.
- REFER TO ELECTRICAL SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- NON-METALLIC CABLE IS NOT ALLOWED.
- NOTE: CIRCUITS SHALL NOT BE SHARED BETWEEN OUTLETS, DEVICES, ETC. ON DIFFERENT BUILDING LEVELS OR FLOORS, OR BETWEEN DIFFERENT TENANTS, UNLESS NOTED OTHERWISE IN THE CONSTRUCTION DOCUMENTS.
- ADHERE TO WORKING CLEARANCES REQUIRED BY THE NEC AND THE AHJ.
- UPON COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL PROVIDE CONSISTENT, COMPLETE, AND ACCURATELY LABELED PANELBOARD SCHEDULES. EVERY CIRCUIT SHALL BE LEGIBLY IDENTIFIED AS TO ITS CLEAR, EVIDENT, AND SPECIFIC PURPOSE OR USE. THE IDENTIFICATION SHALL INCLUDE SUFFICIENT DETAIL TO ALLOW EACH CIRCUIT TO BE DISTINGUISHED FROM ALL OTHERS. UPDATE AND PROVIDE AS-BUILT DOCUMENTS ACCORDINGLY.
- THE ELECTRICAL SYSTEM SHALL BE PROVIDED IN STRICT ACCORDANCE WITH THE 2014 NATIONAL ELECTRICAL CODE, THE 2000 INTERNATIONAL ENERGY CONSERVATION CODE, AND ANY AND ALL APPLICABLE CITY OF GEORGETOWN DESIGN STANDARDS. NOTHING SPECIFIED IN THESE DOCUMENTS SHALL BE MISCONSTRUED AS RELIEVING THE CONTRACTOR FROM STRICT COMPLIANCE WITH THESE DOCUMENTS. IN THE EVENT OF A CONFLICT BETWEEN THE CONSTRUCTION DOCUMENTS AND THE DOCUMENTS LISTED ABOVE, PROVIDE THE MOST STRINGENT INSTALLATION/EQUIPMENT/DEVICES, ETC. THAT WILL SATISFY THE REQUIREMENTS CONTAINED IN ALL DOCUMENTS.
- ALL NEW JUNCTION BOX COVERS SHALL BE CLEARLY LABELED AND IDENTIFIED WITH THE BRANCH-CIRCUIT(S) CONTAINED WITHIN, INCLUDING THE SOURCE PANEL OR BOARD I.D. LABEL. EX: "A-1,3,5" ON FACE OF JUNCTION BOX COVER.
- PROVIDE COLOR CODING OF CONDUCTORS PER THE LOCAL ORDINANCE AND AS REQUIRED BY THE AHJ. COLOR CODING SHALL BE CONSISTENT THROUGHOUT THE ENTIRE PROJECT. THE CONTRACTOR SHALL OBTAIN COLOR CODING INFORMATION PRIOR TO CONDUCTOR INSTALLATION.
- USE OF MC CABLE SHALL BE LIMITED TO FINAL CONNECTION TO LIGHTING FIXTURES (WHIPS) AND IN-WALL USE. ALL CIRCUIT HOMERUNS SHALL BE INSTALLED IN EMT OR RIGID GALVANIZED STEEL - NON-METALLIC AND/OR MC CABLE IS NOT ALLOWED FOR CIRCUIT HOMERUNS. REFER TO ELECTRICAL SPECIFICATIONS FOR MORE INFORMATION.
- AN INSULATED EQUIPMENT GROUNDING CONDUCTOR SHALL BE INSTALLED WITHIN ALL RACEWAYS. THE RACEWAY SHALL NOT BE USED FOR THE PURPOSE OF EQUIPMENT GROUNDING CONDUCTOR.

																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					</
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	----

[illegible]

- 4) GFCI CIRCUIT BREAKERS: SINGLE- AND TWO-POLE CONFIGURATIONS WITH 5-MA TRIP SENSITIVITY.
- 5) GFCI CIRCUIT BREAKER: SINGLE- AND TWO-POLE CONFIGURATIONS WITH 30-MA TRIP SENSITIVITY.
- B. MOLDED-CASE CIRCUIT BREAKER FEATURES AND ACCESSORIES:
- 1) STANDARD FRAME SIZES, TRIP RATINGS, AND NUMBER OF POLES.
 - 2) LUGS: MECHANICAL STYLE SUITABLE FOR NUMBER, SIZE, TRIP RATINGS, AND CONDUCTOR MATERIAL.
 - 3) APPLICATION LISTING: TYPE SWD FOR SWITCHING FLUORESCENT LIGHTING LOADS; TYPE HACR FOR HEATING, AIR-CONDITIONING, AND REFRIGERATING EQUIPMENT.
 - 4) GROUND-FAULT PROTECTION (WHEN SHOWN ON THE DRAWINGS OR REQUIRED BY THE AHJ, NEC OR OTHER GOVERNING CODE): INTEGRALLY MOUNTED RELAY AND TRIP UNIT WITH ADJUSTABLE PICKUP AND TIME-DELAY SETTINGS, PUSH-TO-TEST FEATURE, AND GROUND-FAULT INDICATOR.
 - 5) SHUNT TRIP (WHEN SHOWN ON THE DRAWINGS OR REQUIRED BY THE AHJ, NEC, OR OTHER GOVERNING CODE): 120-V TRIP COIL ENERGIZED FROM SEPARATE CIRCUIT, SET TO TRIP AT 75 PERCENT OF RATED VOLTAGE.
 - 6) UNDERVOLTAGE TRIP (WHEN SHOWN ON THE DRAWINGS): SET TO OPERATE AT 35 TO 75 PERCENT OF RATED VOLTAGE WITH FIELD-ADJUSTABLE 0.1- TO 0.6-SECOND TIME DELAY.
 - 7) PAD LOCK "OFF" CAPABILITY (WHEN SHOWN ON THE DRAWINGS OR REQUIRED BY THE AHJ, NEC OR OTHER GOVERNING CODE): BREAKER ENCLOSURE SHALL BE PROVIDED WITH ABILITY TO LOCK CIRCUIT BREAKER IN THE OFF POSITION.

- C. MOLDED-CASE SWITCHES: MOLDED-CASE CIRCUIT BREAKER WITH FIXED, HIGH-SET INSTANTANEOUS TRIP ONLY, AND SHORT-CIRCUIT WITHDRAWAL RATING EQUAL TO EQUIVALENT BREAKER FRAME SIZE INTERRUPTING RATING.

2.3 ENCLOSURES:

- A. NEMA AS 1 AND NEMA KS 1 TO MEET ENVIRONMENTAL CONDITIONS OF INSTALLED LOCATION
- 1) OUTDOOR LOCATIONS: NEMA 250, TYPE 3R.
 - 2) OTHER WET OR DAMP INDOOR LOCATIONS: NEMA 250, TYPE 4.
 - 3) HAZARDOUS AREAS INDICATED ON DRAWINGS: NEMA 250, TYPE 7C.

2.3 ACCEPTABLE MANUFACTURERS:

- A. BASIS OF DESIGN MANUFACTURER SHALL BE SQUARE D. SHOULD CONTRACTOR SELECT OTHER THAN BASIS OF DESIGN IT WILL BE THEIR RESPONSIBILITY TO COORDINATE ALL PHYSICAL SIZE, PERFORMANCE OR OTHER OPERATIONAL REQUIREMENTS AND PROVIDE ALL OPTIONS AND ACCESSORIES AS SPECIFIED HEREIN. OTHER ACCEPTABLE MANUFACTURERS INCLUDE:
- 1) EATON ELECTRICAL/CUTLER-HAMMER: WWW.EATONELECTRICAL.COM.
 - 2) GE INDUSTRIAL: WWW.GEINDUSTRIAL.COM.
 - 3) SQUARE D / SCHNEIDER ELECTRIC: WWW.SQUARED.COM.
 - 4) SUBSTITUTIONS: NOT PERMITTED.

- B. THE LISTING OF SPECIFIC MANUFACTURERS ABOVE DOES NOT IMPLY ACCEPTANCE OF THEIR PRODUCTS THAT DO NOT MEET THE SPECIFIED RATINGS, FEATURES AND FUNCTIONS. MANUFACTURERS LISTED ABOVE ARE NOT RELIEVED FROM MEETING OR EXCEEDING ALL REQUIREMENTS LISTED IN THE CONSTRUCTION DOCUMENTS IN THEIR ENTIRETY.

3.0 EXECUTION

3.1 EXAMINATION:

- A. EXAMINE ELEMENTS AND SURFACES TO RECEIVE ENCLOSED SWITCHES AND CIRCUIT BREAKERS FOR COMPLIANCE WITH INSTALLATION TOLERANCES AND OTHER CONDITIONS AFFECTING PERFORMANCE.

- B. PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.

3.2 INSTALLATION:

- A. COMPLY WITH APPLICABLE PORTIONS OF NECA 1, NEMA PB 1.1, AND NEMA PB 2.1 FOR INSTALLATION OF ENCLOSED SWITCHES AND CIRCUIT BREAKERS.

- B. MOUNT INDIVIDUAL WALL-MOUNTING SWITCHES AND CIRCUIT BREAKERS WITH TOPS AT UNIFORM HEIGHT, UNLESS OTHERWISE INDICATED. REFER TO SPECIFICATION SECTION 26 05 53, ELECTRICAL IDENTIFICATION, FOR ADDITIONAL INFORMATION. ANCHOR FLOOR-MOUNTING SWITCHES TO CONCRETE BASE.

- C. TEMPORARY LIFTING PROVISIONS: REMOVE TEMPORARY LIFTING EYES, CHANNELS, AND BRACKETS AND TEMPORARY BLOCKING OF MOVING PARTS FROM ENCLOSURES AND COMPONENTS.

- D. INSTALL THE FUSES AS SPECIFIED IN THE CONTRACT DOCUMENTS, AS REQUIRED BY THE SELECTED EQUIPMENT MANUFACTURER(S), OR AS REQUIRED BY THE AHJ. REFER TO SPECIFICATION SECTION 26 28 13, FUSES 600 VOLT AND BELOW, PARALLELING OF FUSES PER PHASE IS NOT ACCEPTABLE.

- E. SHOULD A MANUFACTURER OR THE AHJ REQUIRE FUSE PROTECTION FOR A CIRCUIT THAT IS NOT SPECIFIED AS SUCH ON THE DRAWINGS, THE CONTRACTOR SHALL PROVIDE THE FUSE PROTECTION REQUIRED, INCLUDING FUSIBLE DISCONNECTING OR DISTRIBUTION EQUIPMENT, AT NO ADDITIONAL COST.

3.3 FIELD QUALITY CONTROL:

- A. INSPECT, TEST AND ADJUST FIELD-ASSEMBLED COMPONENTS AND EQUIPMENT INSTALLATION, INCLUDING CONNECTIONS. REPORT RESULTS IN WRITING.

- B. PROVIDE ACCEPTANCE TESTING AS FOLLOWS:
- 1) INSPECT MECHANICAL AND ELECTRICAL CONNECTIONS.
 - 2) VERIFY SWITCH TYPE AND LABELING VERIFICATION.
 - 3) VERIFY RATING OF INSTALLED FUSES.
 - 4) INSPECT PROPER INSTALLATION OF TYPE, SIZE, QUANTITY, AND ARRANGEMENT OF MOUNTING OR ANCHORAGE DEVICES COMPLYING WITH MANUFACTURERS CERTIFICATION.
 - 5) CORRECT MALFUNCTIONING UNITS ON-SITE, WHERE POSSIBLE, AND RETEST TO DEMONSTRATE COMPLIANCE; OTHERWISE, REPLACE WITH NEW UNITS AND RETEST.
 - 6) INFRARED SCANNING:
 - a. INITIAL INFRARED SCANNING: AFTER SUBSTANTIAL COMPLETION, BUT NOT MORE THAN 60 DAYS AFTER FINAL ACCEPTANCE, PERFORM AN INFRARED SCAN OF EACH ENCLOSED SWITCH AND CIRCUIT BREAKER. OPEN OR REMOVE DOORS OR PANELS SO CONNECTIONS ARE ACCESSIBLE TO PORTABLE SCANNER.
 - b. FOLLOW-UP INFRARED SCANNING: PERFORM AN ADDITIONAL FOLLOW-UP INFRARED SCAN OF EACH UNIT 11 MONTHS AFTER DATE OF SUBSTANTIAL COMPLETION.
 - c. INSTRUMENTS, EQUIPMENT AND REPORTS:
 - a. USE AN INFRARED SCANNING DEVICE DESIGNED TO MEASURE TEMPERATURE OR TO DETECT SIGNIFICANT DEVIATIONS FROM NORMAL VALUES. PROVIDE CALIBRATION RECORD FOR DEVICE.

- 8) PREPARE A CERTIFIED REPORT THAT IDENTIFIES ENCLOSED SWITCHES AND CIRCUIT BREAKERS INCLUDED AND DESCRIBES SCANNING RESULTS. INCLUDE NOTATION OF DEFICIENCIES DETECTED, REMEDIAL ACTION TAKEN AND OBSERVATIONS AFTER REMEDIAL ACTION.

- 3.5 IDENTIFICATION:
 - A. IDENTIFY FIELD-INSTALLED CONDUCTORS, INTERCONNECTING WIRING, AND COMPONENTS; PROVIDE WARNING SIGNS AS SPECIFIED IN DIVISION 26, SECTION 26 05 53, ELECTRICAL IDENTIFICATION.

3.6 CLEANING:

- A. ON COMPLETION OF INSTALLATION, VACUUM DIRT AND DEBRIS FROM INTERIORS; DO NOT USE COMPRESSED AIR TO ASSIST IN CLEANING.

- B. INSPECT EXPOSED SURFACES AND REPAIR DAMAGED FINISHES.

END OF SECTION 26 28 16

SECTION 26 51 13 LIGHTING FIXTURES AND LAMPS

1. GENERAL

1.1 SCOPE:

- A. THIS SECTION SPECIFIES THE FURNISHING AND INSTALLATION OF LIGHTING FIXTURES COMPLETE WITH LAMPS, DRIVERS, BALLASTS AND OTHER ACCESSORIES.

1.2 REFERENCE STANDARDS:

- A. ANSI C78 SERIES - LAMPS.
- B. ANSI C82 SERIES - BALLASTS.
- C. IEEE C62.41.1 - IEEE GUIDE ON THE SURGE ENVIRONMENT IN LOW-VOLTAGE (1000V AND LESS) AC POWER CIRCUITS.
- D. IEEE C62.41.2 - IEEE RECOMMENDED PRACTICE ON CHARACTERIZATION OF SURGES IN LOW-VOLTAGE (1000V AND LESS) AC POWER CIRCUITS.
- E. NEC/ANESNA 500-1999 - RECOMMENDED PRACTICE FOR INSTALLING INDOOR COMMERCIAL LIGHTING SYSTEMS (ANSI).
- F. NEC/ANESNA 501-2000 - RECOMMENDED PRACTICE FOR INSTALLING EXTERIOR LIGHTING SYSTEMS (ANSI).

- G. NEC/ANESNA 502-1999 - RECOMMEND PRACTICE FOR INSTALLING INDUSTRIAL LIGHTING SYSTEMS (ANSI).
- H. UL 924 - EMERGENCY LIGHTING AND POWER EQUIPMENT.
- I. UL 935 - FLUORESCENT LAMP BALLASTS.
- J. UL 1029 - HIGH-INTENSITY-DISCHARGE LAMP BALLASTS.
- K. UL 1574 - TRACK LIGHTING SYSTEMS.
- L. UL 1598 - LUMINAIRES.

1.3 APPLICABLE PROVISIONS:

- A. REFER TO SECTION 26 05 00, ELECTRICAL GENERAL PROVISIONS.

1.4 SUBMITTALS:

- A. SUBMIT MANUFACTURER'S TECHNICAL PRODUCT DATA FOR ALL LIGHT FIXTURES, LAMPS, DRIVERS, BALLASTS AND ACCESSORIES. INCLUDE PUBLISHED PHOTOMETRIC DATA, COEFFICIENTS OF UTILIZATION AND CANDLEPOWER DISTRIBUTION CURVES FOR LIGHT FIXTURES.

1.5 DELIVERY, HANDLING AND STORAGE:

- A. DELIVER ALL LIGHTING FIXTURES IN FACTORY-FABRICATED CONTAINERS OR WRAPPINGS, WHICH PROPERLY PROTECT FIXTURES FROM DAMAGE.

- B. HANDLE ALL LIGHTING FIXTURES CAREFULLY TO PREVENT DAMAGE, BREAKING, AND SCARRING OF FINISHES. DO NOT INSTALL DAMAGED UNITS OR COMPONENTS.

- C. STORE ALL LIGHTING FIXTURES IN ORIGINAL PACKAGING. STORE LAMP FLAT AND BLOCKED OFF GROUND INSIDE A WELL-VENTILATED AREA PROTECTED FROM WEATHER, MOISTURE, SOILING, EXTREME TEMPERATURES AND HUMIDITY.

1.6 DISCONNECTING MEANS:

- A. IN FLUORESCENT LUMINAIRES THAT USE DOUBLE-ENDED LAMPS AND CONTAIN BALLAST(S) THAT CAN BE SERVICED IN PLACE, PROVIDE AN INTERNAL DISCONNECTING MEANS TO DISCONNECT SIMULTANEOUSLY THE SOURCE OF SUPPLY ALL CONDUCTORS OF THE BALLAST, INCLUDING THE GROUNDED CONDUCTOR, THE LINE SIDE TERMINALS OF THE DISCONNECTING MEANS SHALL BE GUARDED. THE DISCONNECTING MEANS SHALL BE LOCATED SO AS TO BE ACCESSIBLE TO QUALIFIED PERSONS BEFORE SERVICING OR MAINTAINING THE BALLAST.

1.7 OPERATION AND MAINTENANCE DATA:

- A. SUBMIT MANUFACTURER'S STANDARD OPERATION AND MAINTENANCE DATA/MANUALS IN ACCORDANCE WITH SECTION 26 05 00. PROVIDE LAMP ORDERING INFORMATION FOR EACH TYPE OF LAMP AND THE LOCAL LAMP DISTRIBUTOR'S ADDRESS AND PHONE NUMBER.

1.8 COORDINATION:

- A. THE VARIOUS CEILING TYPES ARE INDICATED ON THE ARCHITECTURAL PLANS AND IN THE ROOM FINISH SCHEDULES. ALL LIGHTING FIXTURES SHALL BE COORDINATED WITH THE ARCHITECTURAL REQUIREMENTS PRIOR TO BID AND AGAIN PRIOR TO RELEASING THE LIGHTING FIXTURE PACKAGE TO INSURE THAT THE PROPER TRIM KIT, AND/OR MOUNTING ACCESSORY IS PROVIDED WITH EACH FIXTURE FOR THE INTENDED APPLICATION. ALL TRIM KITS AND ACCESSORIES SHALL BE PROVIDED BY CONTRACTOR WHETHER OR NOT THEY ARE SPECIFICALLY INDICATED BY THE MANUFACTURER'S CATALOG NUMBERS ON THE LIGHTING FIXTURE SCHEDULE. ADDITIONAL TIME OR MONEY WILL NOT BE ALLOWED FOR COORDINATION OF LIGHTING FIXTURE(S), TRIM KIT(S) REQUIRED, AND CEILING TYPES.

1.9 FIRE RATED FIXTURES OR BOXES:

- A. THE CONTRACTOR SHALL PROVIDE ALL MEANS NECESSARY OF MAINTAINING THE FIRE RATING OF THE CEILING ASSEMBLIES INTO WHICH THE LIGHTING FIXTURES ARE INSTALLED. WHETHER SPECIFIED ON THE DRAWINGS OR NOT, THE CONTRACTOR MAY PROVIDE FIRE-RATED LIGHTING FIXTURES EQUIVALENT OR GREATER TO THE FIRE RATING, OR IC-RATED LIGHTING FIXTURE PLUS FIRE BOXES EQUIVALENT OR GREATER TO THE FIRE RATING. FIRE BOXES SHALL BE BY TENMAT, INC. OR EQUIVALENT AND SHALL BE LISTED FOR THE SPECIFIC PURPOSE.

2. PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS:

- A. NEW LIGHTING FIXTURES ARE SCHEDULED ON THE DRAWINGS.

- B. LAMPS, FLUORESCENT: GENERAL ELECTRIC ECOLUX, OSRAM/SYLVANIA ECOLOGIC, PHILIPS ALTO.

- C. LAMPS, INCANDESCENT, HALOGEN, AND HID: GENERAL ELECTRIC, OSRAM/SYLVANIA, PHILIPS, VENTURE.

- D. ELECTRONIC BALLASTS FOR FLUORESCENT FIXTURES: ADVANCE, OSRAM/SYLVANIA, GENERAL ELECTRIC.

2.2 LIGHTING FIXTURES:

- A. LIGHT FIXTURES ARE SPECIFIED BY TYPE AND MANUFACTURER IN THE LIGHT FIXTURE SCHEDULE ON THE DRAWINGS. ALL LIGHT FIXTURES SHALL BE INSTALLED COMPLETE WITH LAMPS, BALLASTS AND ACCESSORIES.

2.3 LAMPS:

- A. ALL LAMPS SHALL COMPLY WITH PUBLIC LAW 102-486, THE NATIONAL ENERGY POLICY ACT OF 1992.

- B. INCANDESCENT LAMPS SHALL BE RATED 130 VOLT AND HAVE THE WATTAGE AND LAMP SHAPE AS SPECIFIED IN THE LIGHT FIXTURE SCHEDULE.

- C. LINEAR FLUORESCENT LAMPS SHALL HAVE THE WATTAGE AS INDICATED IN THE LIGHT FIXTURE SCHEDULE. SHALL HAVE A COLOR RENDERING INDEX (CRI) OF 82 OR GREATER, AND UNLESS NOTED OTHERWISE IN THE DRAWINGS, A MAXIMUM CORRELATED COLOR TEMPERATURE (CCT) OF 3500 DEGREES KELVIN. LAMPS SHALL PASS THE ENVIRONMENTAL PROTECTION AGENCY'S (EPA) TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP). FORTY- EIGHT INCH LONG LAMPS SHALL HAVE AN AVERAGE RATED LIFE OF 24,000 HOURS BASED ON 12 HOURS PER START USING AN INSTANT START BALLAST. LAMPS SHALL HAVE A TWO YEAR WARRANTY FROM DATE OF INSTALLATION AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP. WARRANTY SHALL INCLUDE REPLACEMENT OF DEFECTIVE LAMPS. LAMPS SHALL ALSO HAVE A BRASS BASE.

- D. COMPACT FLUORESCENT (TWIN TUBE, DOUBLE TWIN TUBE AND TRIPLE TWIN TUBE) LAMPS SHALL HAVE THE WATTAGE AS INDICATED IN THE LIGHT FIXTURE SCHEDULE. SHALL HAVE A COLOR RENDERING INDEX (CRI) OF 82 OR GREATER, AND UNLESS NOTED OTHERWISE IN THE DRAWINGS, A MAXIMUM CORRELATED COLOR TEMPERATURE (CCT) OF 3500 DEGREES KELVIN. LAMPS SHALL HAVE AN AVERAGE RATED LIFE OF 10,000 HOURS. LAMPS SHALL HAVE A TWO YEAR WARRANTY FROM DATE OF INSTALLATION AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP. WARRANTY SHALL INCLUDE REPLACEMENT OF DEFECTIVE LAMPS.

2.4 BALLASTS:

- A. ALL FLUORESCENT BALLASTS MUST CONFORM TO THE FOLLOWING:

- 1) WHERE REQUIRED BY PUBLIC LAW 100-367, COMPLY WITH THE ENERGY POLICY AND CONSERVATION ACT OF 1987 AND THE NATIONAL APPLIANCE ENERGY CONSERVATION AMENDMENTS OF 1988.

- 2) OPERATE FROM A MINIMUM INPUT VOLTAGE RANGE OF 120 TO 277 VOLTS AND 60 HERTZ.

- 3) HAVE A POWER FACTOR EQUAL TO OR GREATER THAN 0.98.

- 4) BE THERMALLY PROTECTED CLASS P.

- 5) HAVE A CLASS "A" SOUND RATING.

- 6) CONTAIN NO PCBs.

- 7) HAVE INTEGRAL CIRCUITRY FOR END OF LAMP LIFE PROTECTION ON LAMPS 5/8" DIAMETER AND SMALLER.

- B. WHERE SPECIFIED, FURNISH ELECTRONIC INSTANT-START PARALLEL-CONNECTED BALLASTS FOR LINEAR FLUORESCENT LIGHT FIXTURES WHICH MEET THE FOLLOWING STANDARDS:

- 1) OPERATE LAMPS AT A FREQUENCY OF 20KHZ OR GREATER WITHOUT VISIBLE LAMP FLICKER.

- 2) HAVE INPUT CURRENT TOTAL HARMONIC DISTORTION (THD) NOT EXCEEDING 10%.

- 3) HAVE LAMP CURRENT CREST FACTOR NOT EXCEEDING 1.7.

- 4) CAPABLE OF WITHSTANDING LINE TRANSIENTS AS RECOMMENDED BY IEEE C62.41.

- 5) COMPLY WITH THE REQUIREMENTS OF THE FEDERAL COMMUNICATION COMMISSION RULES AND REGULATIONS, PART 18 NON-CONSUMER EQUIPMENT FOR EMI/RFI.

- 6) COMPLY WITH ANSI C82.11 - HIGH FREQUENCY FLUORESCENT LAMP BALLASTS.

- 6) SHALL HAVE A FIVE YEAR WARRANTY FROM DATE OF INSTALLATION AGAINST DEFECTS IN MATERIAL AND WORKMANSHIP.

- 7) ALLOW REMAINING LAMP(S) TO MAINTAIN FULL LIGHT OUTPUT IF ONE OR MORE LAMPS FAIL.

- 8) ANTI-STRIATION CONTROL.

- 9) UL TYPE CC RATING - ANTI ARCING CONTROL.

- 10) DESIGNED FOR PARALLEL OPERATION.

- C. WHERE SPECIFIED, FURNISH ELECTRONIC PROGRAM-START PARALLEL-CONNECTED BALLASTS FOR LINEAR FLUORESCENT LIGHT FIXTURES SIMILAR TO GENERAL ELECTRIC LFL ULTRASTART ELECTRONIC PROGRAM/RAPID START BALLAST, OR APPROVED EQUIVALENT WHICH MEET THE FOLLOWING STANDARDS:

- 1) OPERATE LAMPS AT A FREQUENCY OF 20KHZ OR GREATER WITHOUT VISIBLE LAMP FLICKER.

- 2) HAVE INPUT CURRENT TOTAL HARMONIC DISTORTION (THD) NOT EXCEEDING 10%.

- 3) HAVE LAMP CREST FACTOR NOT EXCEEDING 1.7.

- 4) CAPABLE OF WITHSTANDING LINE TRANSIENTS AS RECOMMENDED BY ANSI - C62.41.

- 5) FCC COMMISSION RULES AND REGULATIONS, PART 18 NON-CONSUMER EQUIPMENT.

- 6) SHALL HAVE A FIVE YEAR WARRANTY FROM DATE OF INSTALLATION AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP.

- 7) ANTI-STRIATION CONTROL.

- 8) ROHS COMPLIANT, NEMA PREMIMUM.

- D. FURNISH ELECTRONIC PROGRAMMED RAPID START BALLASTS FOR COMPACT FLUORESCENT LIGHTING FIXTURES WHICH MEET THE FOLLOWING STANDARDS:

- 1) OPERATE LAMPS AT A FREQUENCY OF 50 KHZ OR GREATER WITHOUT VISIBLE LAMP FLICKER.

- 2) HAVE INPUT CURRENT TOTAL HARMONIC DISTORTION (THD) NOT EXCEEDING 10%.

- 3) HAVE LAMP CURRENT CREST FACTOR NOT EXCEEDING 1.7.

- 4) CAPABLE OF WITHSTANDING LINE TRANSIENTS AS RECOMMENDED BY IEEE C62.41.

- 5) COMPLY WITH THE REQUIREMENTS OF THE FEDERAL COMMUNICATION COMMISSION RULES AND REGULATIONS, PART 18 NON-CONSUMER EQUIPMENT FOR EMI/RFI.

- 6) COMPLY WITH ANSI C82.11 - HIGH FREQUENCY FLUORESCENT LAMP BALLASTS.

- 7) SHALL HAVE A FIVE YEAR WARRANTY FROM DATE OF INSTALLATION AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP; WARRANTY SHALL INCLUDE REPLACEMENT OF DEFECTIVE BALLASTS.

- E. FURNISH NEMA 1 OR NEMA 3R ENCLOSURES WHERE BALLASTS ARE TO BE REMOTELY MOUNTED FROM THE FIXTURE.

- F. BALLAST WHICH ARE LOCATED OUTDOORS AND IN UNHEATED INDOOR AREAS SHALL BE RATED FOR RELIABLE STARTING TO 0 DEGREE FAHRENHEIT OR AS RECOMMENDED BY THE BALLAST MANUFACTURER FOR THE SPECIFIC APPLICATION.

2.5 EMERGENCY BATTERY SYSTEM:

- A. WHERE INDICATED ON THE DRAWINGS, FURNISH FIXTURES WITH A FACTORY INSTALLED EMERGENCY BATTERY SYSTEM CONSISTING OF A SEALED RECHARGEABLE MAINTENANCE-FREE NICKEL CADMIUM BATTERY, BATTERY CHARGER, SOLID STATE INVERTER, TEST SWITCH AND "READY" LIGHT, ALL INSTALLED WITHIN THE FIXTURE. SYSTEM SHALL BE SUITABLE FOR USE IN BOTH NORMAL AND EMERGENCY OPERATIONAL MODES. SYSTEM SHALL ONE LAMP IN EACH FIXTURE AT NOT LESS THAN 33% LIGHT OUTPUT INITIALLY TO NOT LESS THAN 25% LIGHT OUTPUT AFTER 90 MINUTES OF OPERATION. UNLESS NOTED OTHERWISE ON THE DRAWINGS, FURNISH BODINE B50U OR APPROVED EQUIVALENT FOR T8 LAMPS OR BODINE B84C OR APPROVED EQUIVALENT FOR COMPACT FLUORESCENT LAMPS.

- B. TEST SWITCH AND PILOT LIGHT MOUNTED ON THE BALLAST CHANNEL COVER FOR LINEAR FLUORESCENT FIXTURES MOUNTED AT +9'-0" ABOVE THE FINISHED FLOOR OR LOWER.

- C. TEST SWITCH AND PILOT LIGHT MOUNTED IN SIDE OF FIXTURE REFLECTOR FOR RECESSED OPEN DOWNLIGHTS.

- D. TEST SWITCH AND PILOT LIGHT MOUNTED REMOTELY FOR ALL OTHER FIXTURES. PROVIDE WALL-MOUNTED REMOTE TEST SWITCHES AND ASSOCIATED PILOT LIGHT IN A SECURE LOCATION WITHIN SIGHT OF THE FIXTURE TO BE TESTED AND WITHIN THE FIXTURE AND BATTERY PACK MANUFACTURERS ALLOWABLE REMOTE MOUNTING DISTANCE. FIELD-COORDINATE THE EXACT LOCATION WITH THE ARCHITECT PRIOR TO ROUGH-IN.

- E. LABEL EMERGENCY LIGHTING POWER PACKS, USING A BLACK MARKING PEN, WITH THE IDENTITY OF THE UN-SWITCHED CIRCUIT.

2.6 LENS:

- A. LENSES FOR FLUORESCENT FIXTURES SHALL BE ACRYLIC PATTERN 12 WITH NOMINAL THICKNESS OF 0.125 INCHES UNLESS OTHERWISE INDICATED IN THE LIGHTING FIXTURE SCHEDULE.

- B. FURNISH ONE LENS RETAINING HOLD-DOWN CLIP ON ALL SIDES OF FLUORESCENT LIGHT FIXTURES WITH LENGTH EXCEEDING TWO FEET.

2.7 LINEAR FLUORESCENT LAMP HOLDERS:

- A. LINEAR FLUORESCENT LAMP HOLDERS SHALL BE TURN TYPE, MEDIUM BASE, B-IFN, 660 WATT, 600 VOLT.

2.8 EMERGENCY EXIT LIGHTS:

- A. EXIT LIGHTS MUST CONFORM TO THE FOLLOWING:

- 1) FURNISH A SYSTEM CONSISTING OF A SEALED RECHARGEABLE MAINTENANCE-FREE NICKEL CADMIUM BATTERY, BATTERY CHARGER, SOLID STATE INVERTER, TEST SWITCH, AND PILOT LIGHT.

- 2) MEET OR EXCEED THE CURRENT NFPA REQUIREMENTS.

- 3) LIGHT EMITTING DIODE (LED) TYPE.

- 4) DIE-CAST ALUMINUM OR THERMOPLASTIC; MATCH EXISTING BUILDING STANDARD.

- 5) CONCEALED AND REMOVABLE DIRECTIONAL CHEVRON KNOCK-OUTS.

- 6) STENOIL FACE.

- 7) LETTER COLOR TO MATCH BUILDING OR OWNER STANDARD, OR AS REQUIRED BY THE AHJ.

- B. LABEL POWER PACKS, USING A BLACK MARKING PEN, WITH THE IDENTITY OF THE UN-SWITCHED CIRCUIT.

3. EXECUTION

3.1 INSTALLATION:

- A. INSTALL LIGHTING FIXTURES AT LOCATIONS AND HEIGHTS AS INDICATED, IN ACCORDANCE WITH FIXTURE MANUFACTURER'S WRITTEN INSTRUCTIONS AND APPLICABLE REQUIREMENTS OF NEC. FIELD-VERIFY THE MOUNTING HEIGHT OF ALL SUSPENDED LIGHTING FIXTURES WITH THE ARCHITECT AND OWNER PRIOR TO ORDERING FIXTURES AND AGAIN PRIOR TO INSTALLATION.

- B. INSTALL FIXTURES AND/OR FIXTURE OUTLET BOXES WITH HANGERS TO PROPERLY SUPPORT FIXTURE WEIGHT.

- C. INSTALL HANGERS AND SUPPORT MEMBERS FOR FIXTURES AS REQUIRED FOR PROPER INSTALLATION. INSTALL APPURTENANCES WHICH INCLUDE STUD SUPPORTS, STEMS, MOUNTING BRACKETS, FRAMES AND PLASTER RINGS.

- D. SUPPORT FIXTURES FROM THE BUILDING STRUCTURE OR FROM FURRING CHANNELS. FURRING CHANNELS MUST BE A MINIMUM SIZE OF 3/4 INCHES. LAY-IN (RECESSED) LIGHTING FIXTURES SHALL BE SUPPORTED FROM BUILDING STRUCTURE BY MINIMUM 12 GAUGE GALVANIZED CARBON STEEL SOFT TEMPER HANGER WIRES. INSTALL TWO HANGERS AT DIAGONALLY OPPOSITE CORNERS OF EACH LAY-IN LIGHT FIXTURE 2'X4" OR SMALLER AND ONE HANGER AT EACH CORNER OF EACH LAY-IN LIGHT FIXTURE LARGER THAN 2'X4". SUPPORTING OF LIGHT FIXTURES FROM CEILING SYSTEM IS NOT ACCEPTABLE.

- E. INSTALL SUPPORT MEMBERS FOR EXIT FIXTURES AS REQUIRED TO PROVIDE RIGID INSTALLATION.

- F. EACH RECESSED LIGHTING FIXTURE SHALL BE SEPARATELY CONNECTED TO AN ABOVE CEILING JUNCTION BOX (IE. DUSTY CHAIRING FROM FIXTURE TO FIXTURE WITH FLEXIBLE CONDUIT IS NOT ALLOWED). IN A "MASTER-SLAVE" FIXTURE ARRANGEMENT, "SLAVE" FIXTURES ARE TO BE CONNECTED TO THEIR RESPECTIVE "MASTER" FIXTURE WITH A FACTORY FURNISHED CONNECTOR, FLEXIBLE METAL CONDUIT FROM JUNCTION BOX TO LIGHTING FIXTURE SHALL NOT TOUCH THE CEILING AS FINALLY INSTALLED.

- G. INSTALL FLUSH MOUNTED FIXTURES PROPERLY TO ELIMINATE LIGHT LEAKAGE BETWEEN FIXTURE FRAME AND FINISHED SURFACE.

- H. TIGHTEN CONNECTORS AND TERMINALS, INCLUDING SCREWS AND BOLTS, IN ACCORDANCE WITH EQUIPMENT MANUFACTURERS PUBLISHED TORQUE TIGHTENING VALUES FOR EQUIPMENT CONNECTORS. WHERE MANUFACTURERS TORQUE REQUIREMENTS ARE NOT INDICATED, TIGHTEN CONNECTORS AND TERMINALS TO COMPLY WITH TIGHTENING TORQUES SPECIFIED IN UL STANDARD 486A.

- I. BOXES TO WHICH LIGHT FIXTURES OR PENDANTS ARE MOUNTED SHALL NOT CONTAIN ANY CONDUCTORS FOREIGN TO THE OPERATION OF SUCH LIGHT OR PENDANT APPLICATION. REMOVAL OF LIGHTS, PENDANTS AND CORD DROPS TO ACCESS OTHER BRANCH CIRCUITS IS NOT ACCEPTABLE.

- J. LOCATE MECHANICAL, ELECTRICAL EQUIPMENT, ETC. ROOM LIGHT FIXTURES TO PROVIDE THE BEST COVERAGE AND CLEAR ALL OBSTRUCTIONS SUCH AS DUCTS, PIPING, BRACING AND SUPPORTS.

- K. LIGHTING FIXTURES AND POWER RECEPTACLES SHALL NOT BE CONNECTED TO A COMMON CIRCUIT UNLESS SHOWN AND NOTED SPECIFICALLY ON THE DRAWINGS.

3.2 GROUNDING:

- A. INSTALL EQUIPMENT GROUNDING CONNECTIONS FOR ALL LIGHTING FIXTURES.

3.3 ADJUSTING AND CLEANING:

- A. PRIOR TO FINAL OPERATION, ADJUST ALL DIRECTIONAL LIGHT FIXTURES AS DIRECTED BY THE ARCHITECT/ENGINEER.

- B. ORIENT ALL EMERGENCY LIGHTING UNITS TO ILLUMINATE THE PATH OF EGRESS.

- C. CLEAN ALL LIGHT FIXTURE HOUSINGS, REFLECTORS, LENSES AND DIFFUSERS AT COMPLETION OF PROJECT.

3.4 DEMONSTRATION:

- A. DEMONSTRATE THAT ALL LIGHT FIXTURES ARE COMPLETE AND OPERATIONAL.

- B. DEMONSTRATE THE OPERATION OF ALL LIGHTING CONTROLS, INCLUDING THE SETTING AND ADJUSTMENT OF TIME CLOCKS AND OTHER AUTOMATIC CONTROLS.

END OF SECTION 26 51 13

SECTION 26 60 05 ELECTRICAL TESTING - 600 VOLT AND BELOW

1. GENERAL

- 1.1 THE BIDDING AND CONTRACT REQUIREMENTS, DIVISION 01 AND GENERAL REQUIREMENTS OF THIS APPLY TO ALL WORK REQUIRED FOR THIS SECTION.

A. SCOPE:

- 1) ALL BUILDING ELECTRICAL SYSTEMS AND EQUIPMENT SHALL BE TESTED AND ADJUSTED FOR PROPER OPERATION. ALL FAULTS AND DEFECTS SHALL BE REPAIRED OR REPLACED. SPECIFIC TESTS REQUIRING SUBMITTAL OF TEST RESULTS ARE OUTLINED HEREIN BELOW.

- 2) ALL INSTRUMENTS, MATERIALS, PERSONNEL, AND DOCUMENTATION OF TEST RESULTS SHALL BE INCLUDED IN THE WORK OF THIS DIVISION.

2. QUALITY ASSURANCE

2.1 TESTING AGENCY QUALIFICATIONS:

- A. AS SPECIFIED IN EACH SECTION CONTAINING ELECTRICAL TESTING REQUIREMENTS AND IN SUBPARAGRAPH AND ASSOCIATED SUBPARAGRAPH BELOW, AN UNBIASED, INDEPENDENT TESTING AGENCY, SELECTED BY THE GENERAL CONTRACTOR, SHALL ENTER INTO A CONTRACTUAL AGREEMENT WITH THE GENERAL CONTRACTOR TO PROVIDE TESTING AS OUTLINED BELOW, OR PRIOR TO THE PROJECT'S SUBSTANTIAL COMPLETION DATE IF NO TIMELINE IS EXPLICITLY STATED.

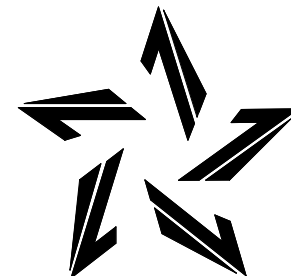
- 1) INDEPENDENT TESTING AGENCIES: INDEPENDENT OF MANUFACTURERS, SUPPLIERS, AND INSTALLERS OF COMPONENTS TO BE TESTED OR INSPECTED. THE TESTING AGENCY SHALL BE REGULARLY ENGAGED IN THE TESTING OF ELECTRICAL EQUIPMENT, DEVICES, INSTALLATIONS, AND SYSTEMS. THE PRIME ELECTRICAL CONTRACTOR DOES NOT MEET THIS REQUIREMENT NOR DO CONTRACTORS SUB-CONTRACTED TO THE PRIME ELECTRICAL CONTRACTOR. THE TESTING FIRM SHALL PROVIDE TESTING IN ACCORDANCE WITH NETA ATS PUBLISHED SPECIFICATIONS.
 - a. TESTING AGENCIES FIELD SUPERVISOR FOR POWER COMPONENT TESTING: PERSON CURRENTLY CERTIFIED BY THE INTERNATIONAL ELECTRICAL TESTING ASSOCIATION OR THE NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES

NOTE: THIS PLAN IS INCLUDED FOR
INFORMATIONAL PURPOSES ONLY TO
SHOW LOCATION OF EXISTING PANEL IN
RELATION NEW XFMR 'T2BR' & PANEL '2BR'.

LOCATION OF XFMR.
'T2BR' & PANEL '2BR'. RE:
E2.1.

EXISTING PANEL '2HL1' LOCATED IN
MECHANICAL ROOM. CONTRACTOR
SHALL FIELD-VERIFY EXACT ROUTE FOR
NEW FEEDER TO XFMR. 'T2BR' WITH
OWNER AND ARCHITECT PRIOR TO BID.

1 2ND FLOOR OVERALL PLAN
NOT TO SCALE



STAR OF TEXAS
ENGINEERING, PLLC

12 South 4th, Suite 1, Temple, TX 76502
254-718-4897 rabroker@staroftexasengineering.com
TBPE F-15783

WILCO JUSTICE CENTER

EXPANSION BREAK ROOMS

405 MARTIN LUTHER KING DR., GEORGETOWN, TEXAS 78626

PROJECT PHASE
PERMIT
REVISIONS

PROJECT NUMBER
DATE ISSUED
12/08/15
SHEET TITLE

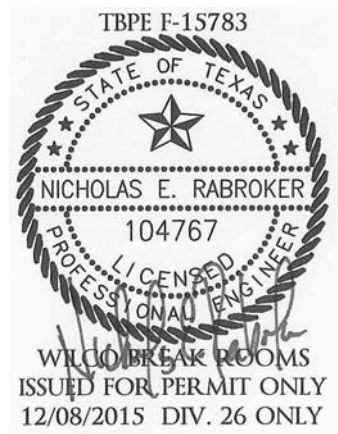
2ND FLOOR OVERALL
PLAN

SHEET NUMBER

E2.0



109 S | harris street | round rock
suite 200 | texas 78664
ryan@modedc.us | www.modedc.us
+1 512 733 1150



WILCO JUSTICE CENTER

EXPANSION BREAK ROOMS

405 MARTIN LUTHER KING DR., GEORGETOWN, TEXAS 78626

PROJECT PHASE
PERMIT
REVISIONS

PROJECT NUMBER

DATE ISSUED
12/08/15
SHEET TITLE

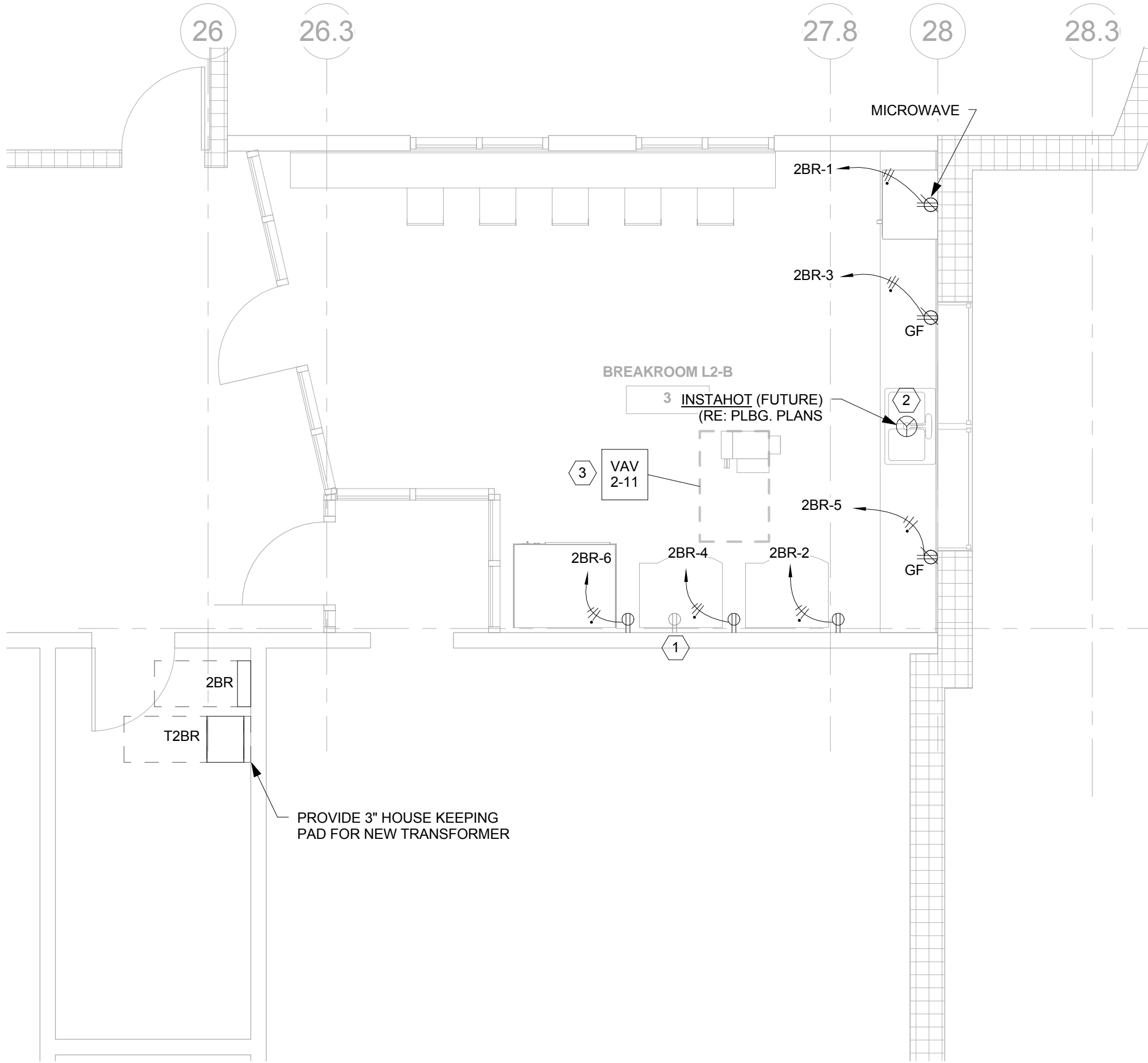
ELECTRICAL POWER
PLAN

SHEET NUMBER

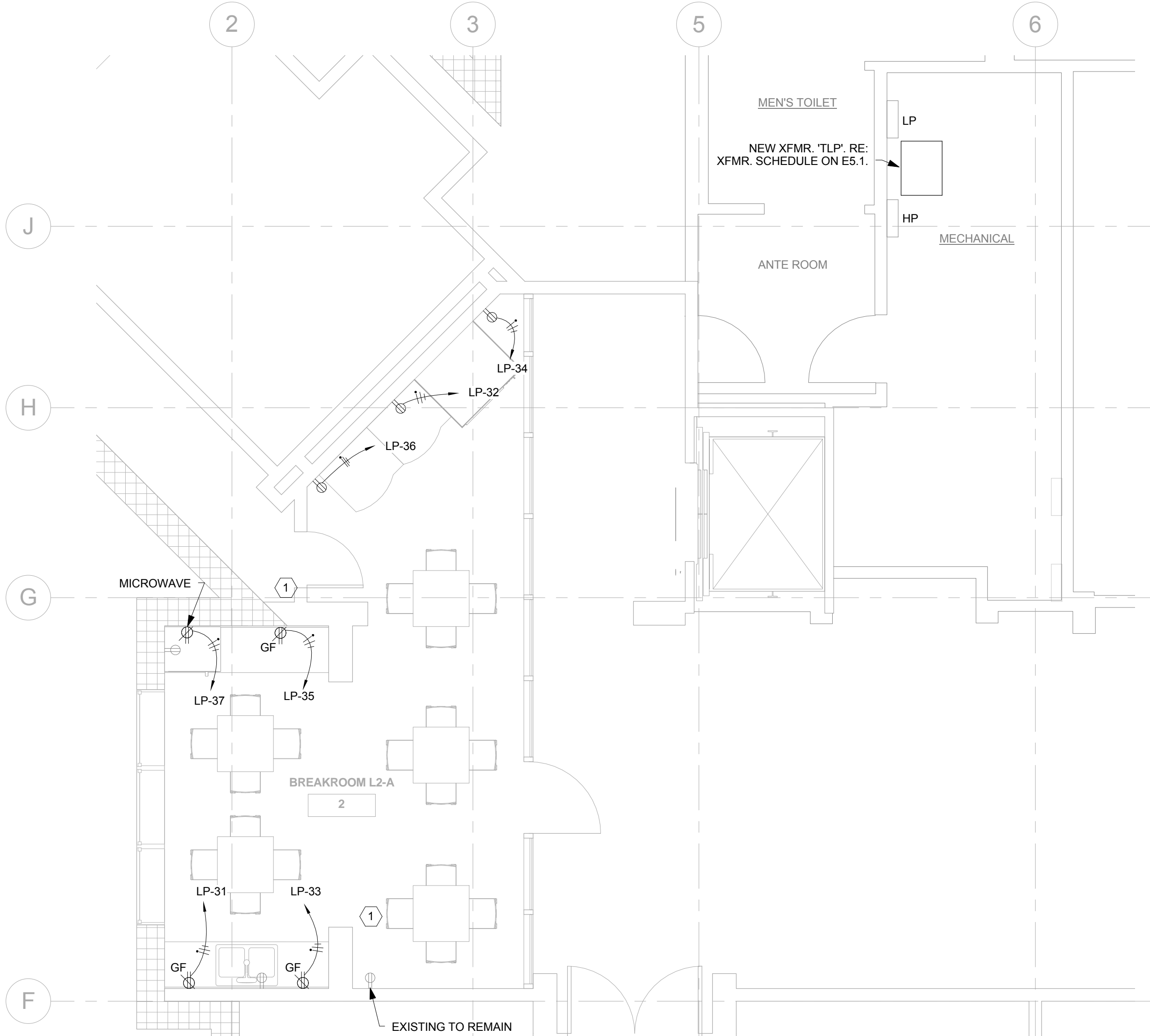
E2.1

KEYED NOTES: (INDICATED BY " (#) ")

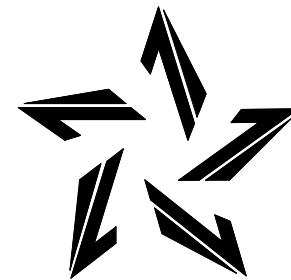
- REMOVE EXISTING POWER RECEPTACLE. REMOVE SUPPLY CIRCUIT BACK TO NEAREST UPSTREAM JUNCTION BOX TO REMAIN. PROVIDE NEW BLANK COVER PLATE OVER BACKBOX.
- PROVIDE 3/4"C. W/ PULLSTRING FROM BELOW SINK BACK TO PANELBOARD '2BR'. LABEL CONDUIT AT EACH END, 'SPARE TO BREAKROOM SINK' AND 'SPARE TO PANEL '2BR'.
- FIELD-VERIFY EXACT TERMINATION POINT. LOCAL DISCONNECTING MEANS IS PROVIDED BY VAV MFR. CONNECT TO PANEL 2BR WITH (2)-# 12, #12 G., IN 3/4"C. RE: PANELBOARD SCHEDULE FOR CIRCUIT TO UTILIZE.



③ ELECTRICAL POWER PLAN - L2-B
1/4" = 1'-0"



② ELECTRICAL POWER PLAN - L2-A
1/4" = 1'-0"

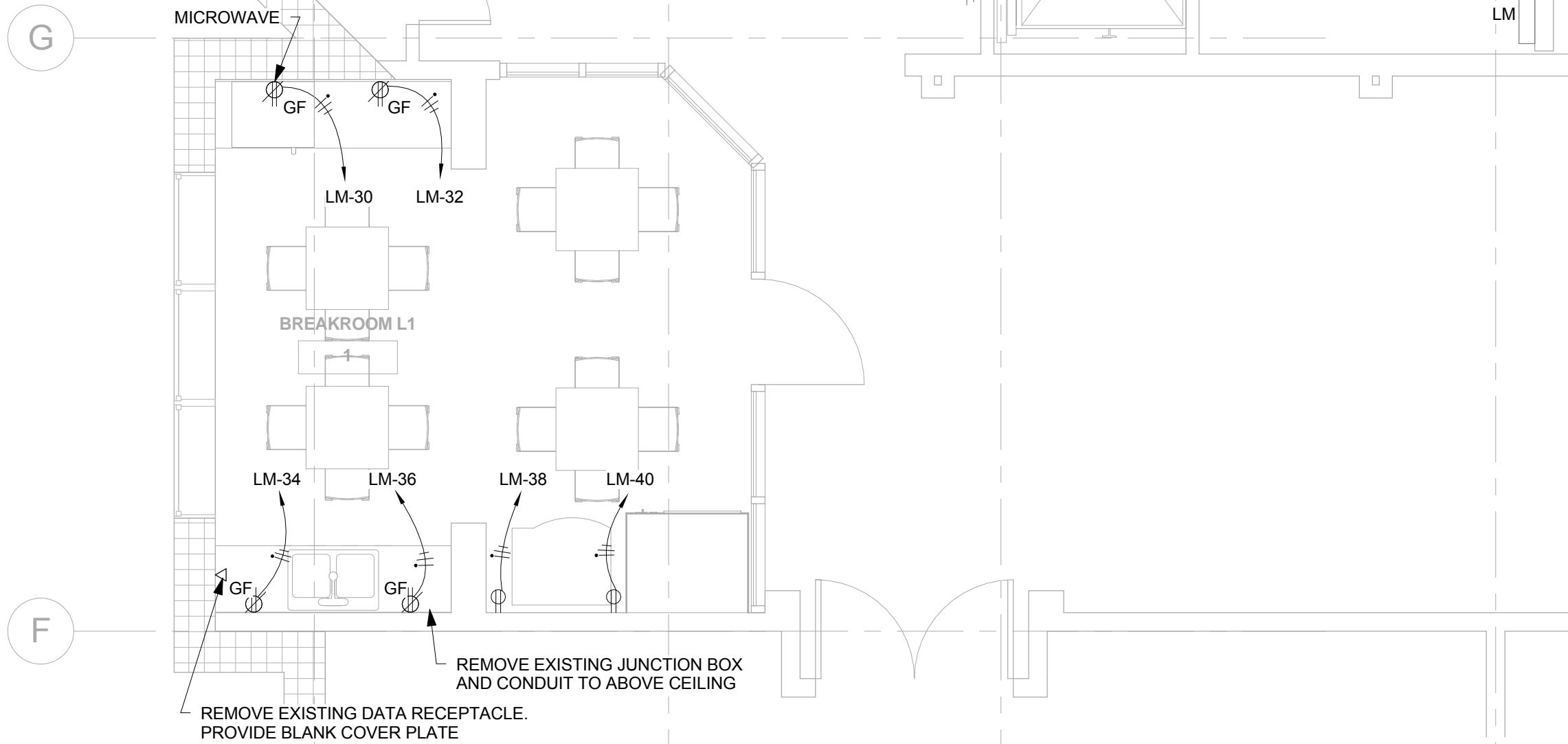


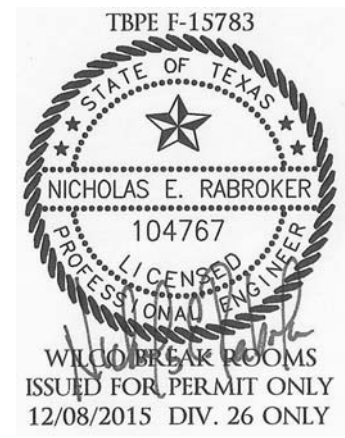
STAR OF TEXAS
ENGINEERING, PLLC

12 South 4th, Suite 1, Temple, TX 76502
254-718-4897 rabroker@starofTEXASengineering.com
TBPE F-15783

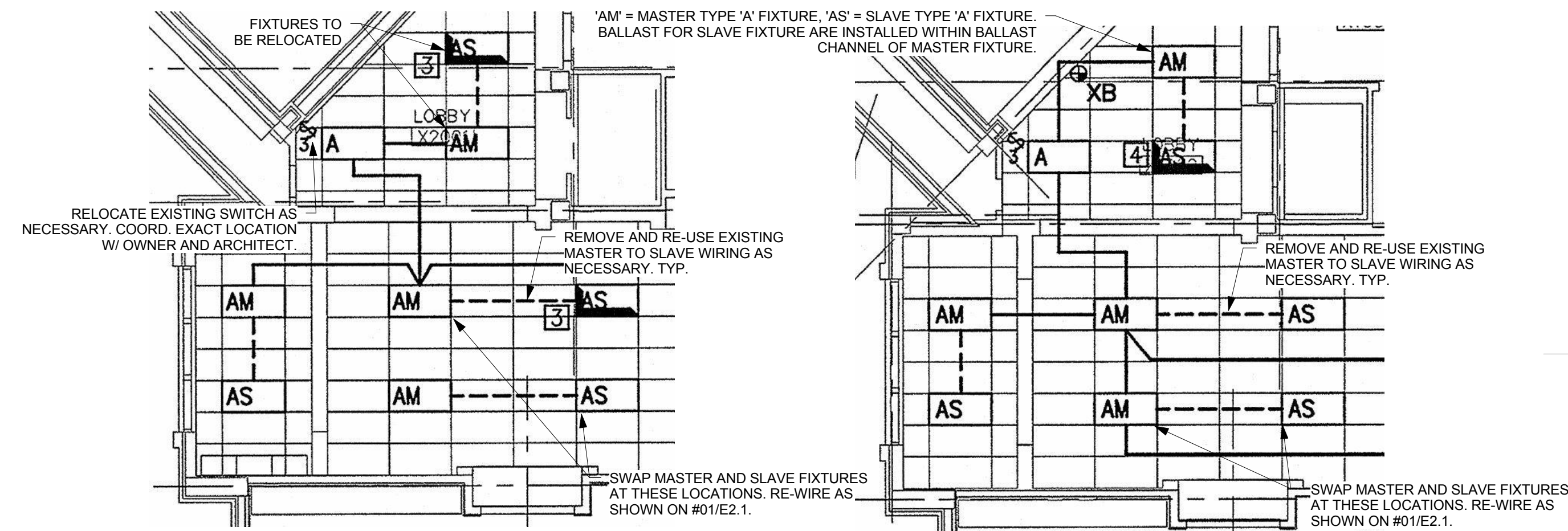
NOTE: POWER RECEPTACLES INSTALLED FOR VENDING MACHINES MUST BE ACCESSIBLE. IF NOT ACCESSIBLE, PROVIDE A GFCI RESET AND TEST SWITCH REMOTE FROM THE RECEPTACLE IN AN ACCESSIBLE LOCATION. FIELD COORDINATE THE EXACT LOCATION W/ OWNER & ARCHITECT PRIOR TO ROUGH-IN. TYP.

① ELECTRICAL POWER PLAN - L1-A
1/4" = 1'-0"



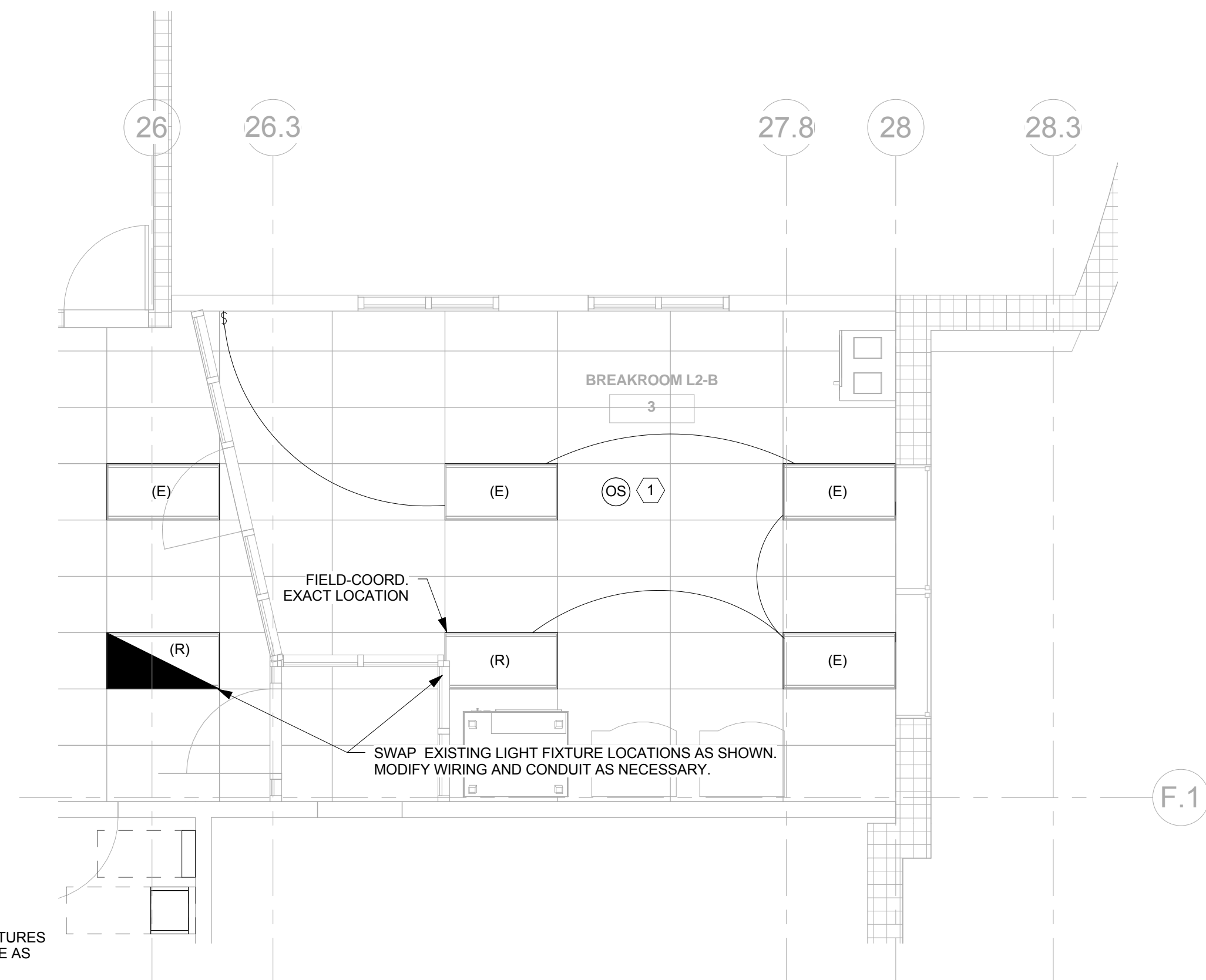

KEYED NOTES: (INDICATED BY "⊕")

1. REFER TO DETAIL #02/E4.1. SET MAXIMUM TIME DELAY TO 'OFF' AT 30 MINUTES. TYPICAL.

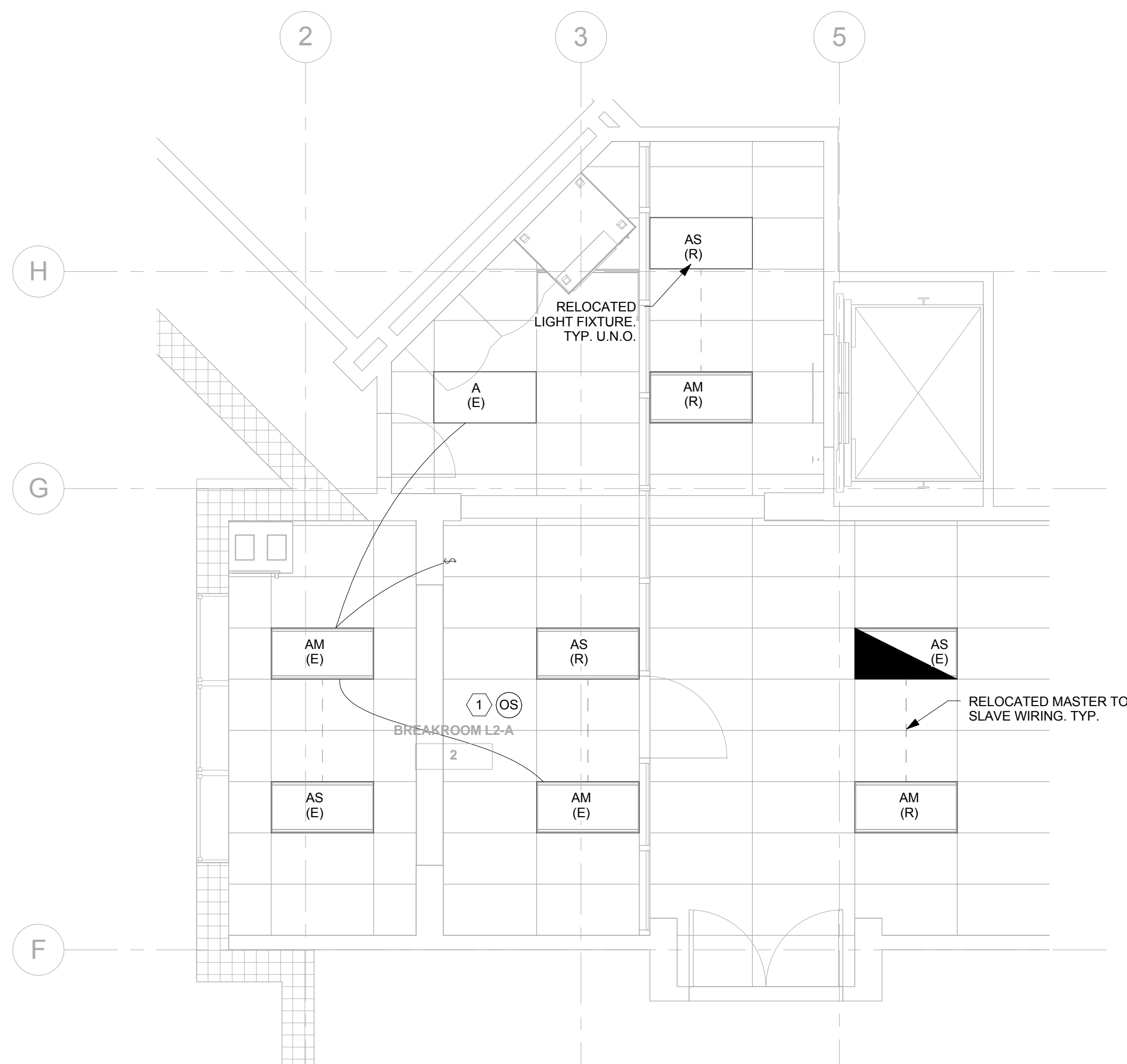


5 EXISTING LIGHTING PLAN - L2-A
NOT TO SCALE

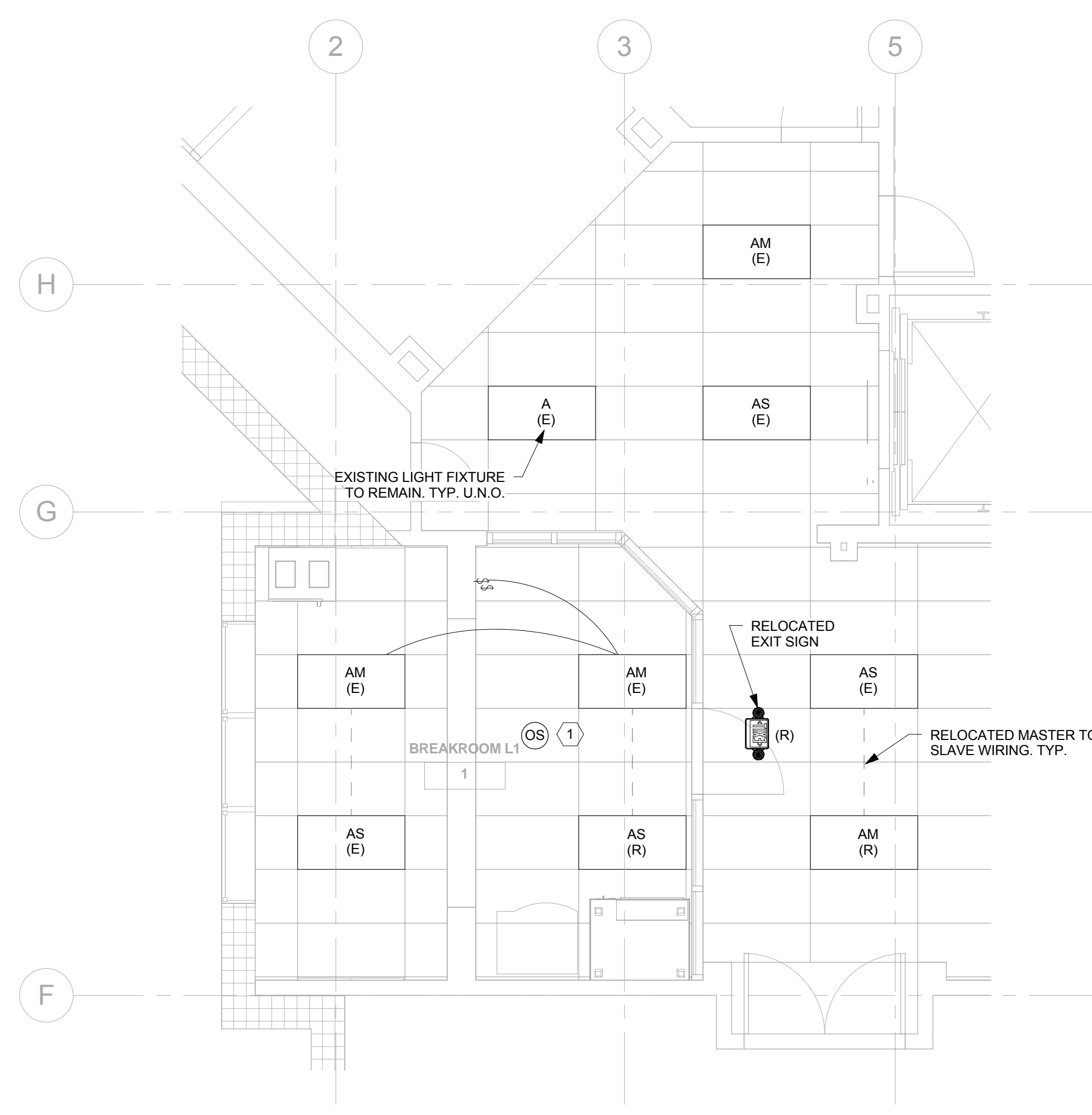
4 EXISTING LIGHTING PLAN - L1-A
NOT TO SCALE



3 ELECTRICAL LIGHTING PLAN - L2-B
1/4" = 1'-0"

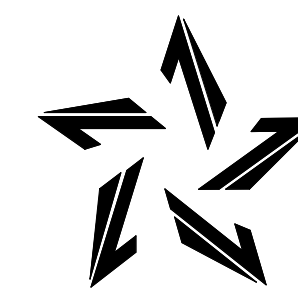


2 ELECTRICAL LIGHTING PLAN - L2-A
1/4" = 1'-0"



1 ELECTRICAL LIGHTING PLAN - L1-A
1/4" = 1'-0"

MODIFY EXISTING LIGHTING CIRCUIT(S) AND CONDUITS AS NECESSARY TO ACCOMPLISH MASTER/SLAVE AND SWITCHING SCHEMES AS SHOWN.



STAR OF TEXAS
ENGINEERING, PLLC

12 South 4th, Suite 1, Temple, TX 76502
254-718-4897 rabroker@starofTEXASengineering.com
TBPE F-15783

WILCO JUSTICE CENTER

EXPANSION BREAK ROOMS

405 MARTIN LUTHER KING DR., GEORGETOWN, TEXAS 78626

PROJECT PHASE
PERMIT
REVISIONS

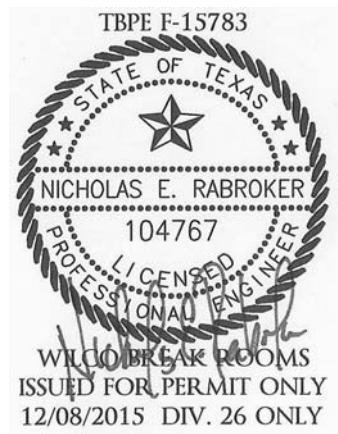
PROJECT NUMBER

DATE ISSUED
12/08/15
SHEET TITLE

ELECTRICAL LIGHTING
PLAN

SHEET NUMBER

E2.2



WILCO JUSTICE CENTER

EXPANSION BREAK ROOMS

405 MARTIN LUTHER KING DR., GEORGETOWN, TEXAS 78626

PROJECT PHASE
PERMIT
REVISIONS

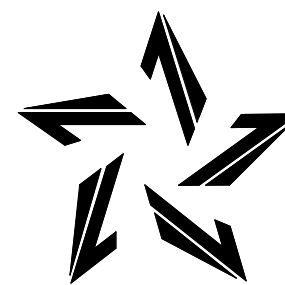
PROJECT NUMBER

DATE ISSUED
12/08/15
SHEET TITLE

ELECTRICAL DETAILS

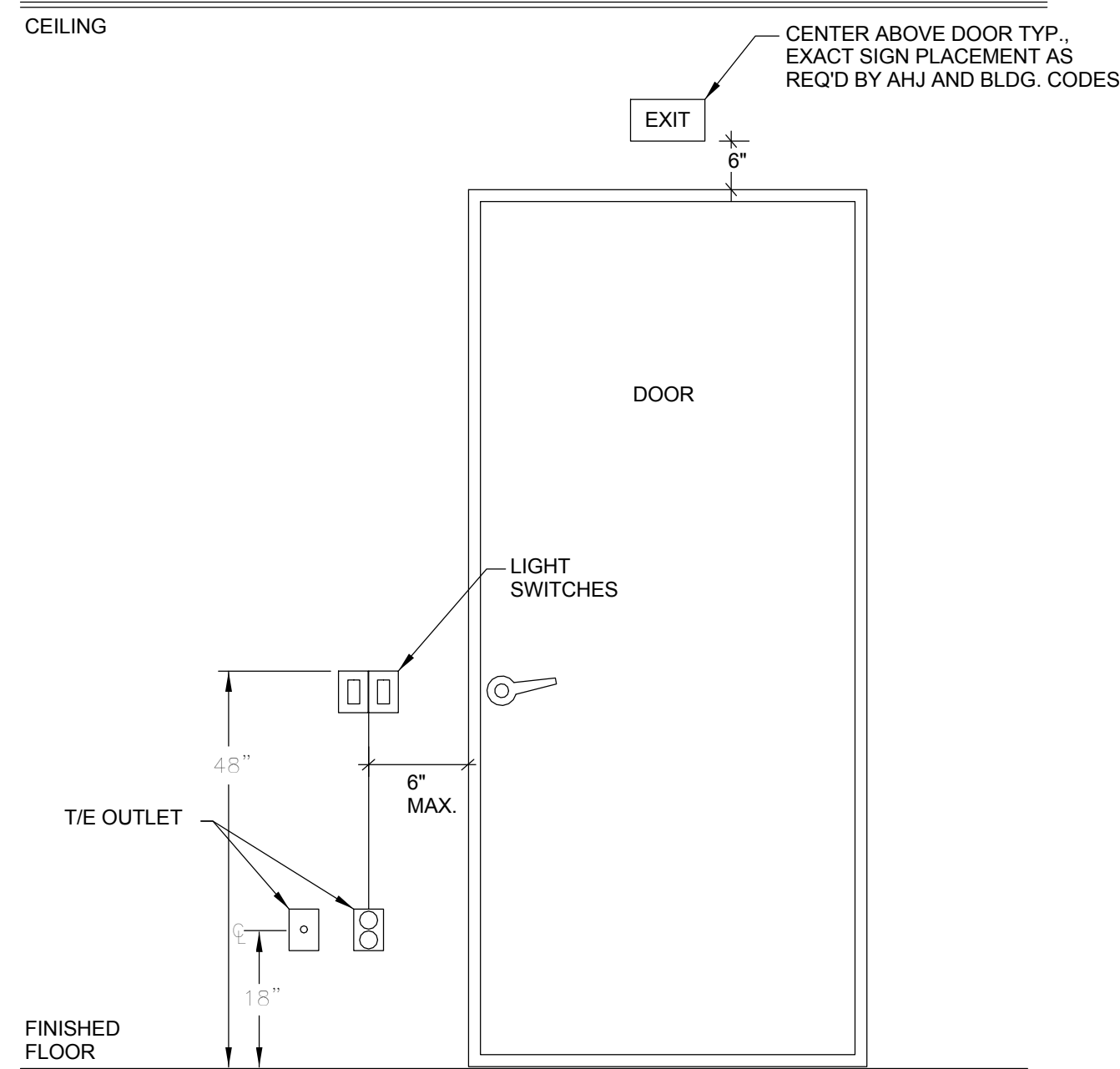
SHEET NUMBER

E4.1



STAR OF TEXAS
ENGINEERING, PLLC

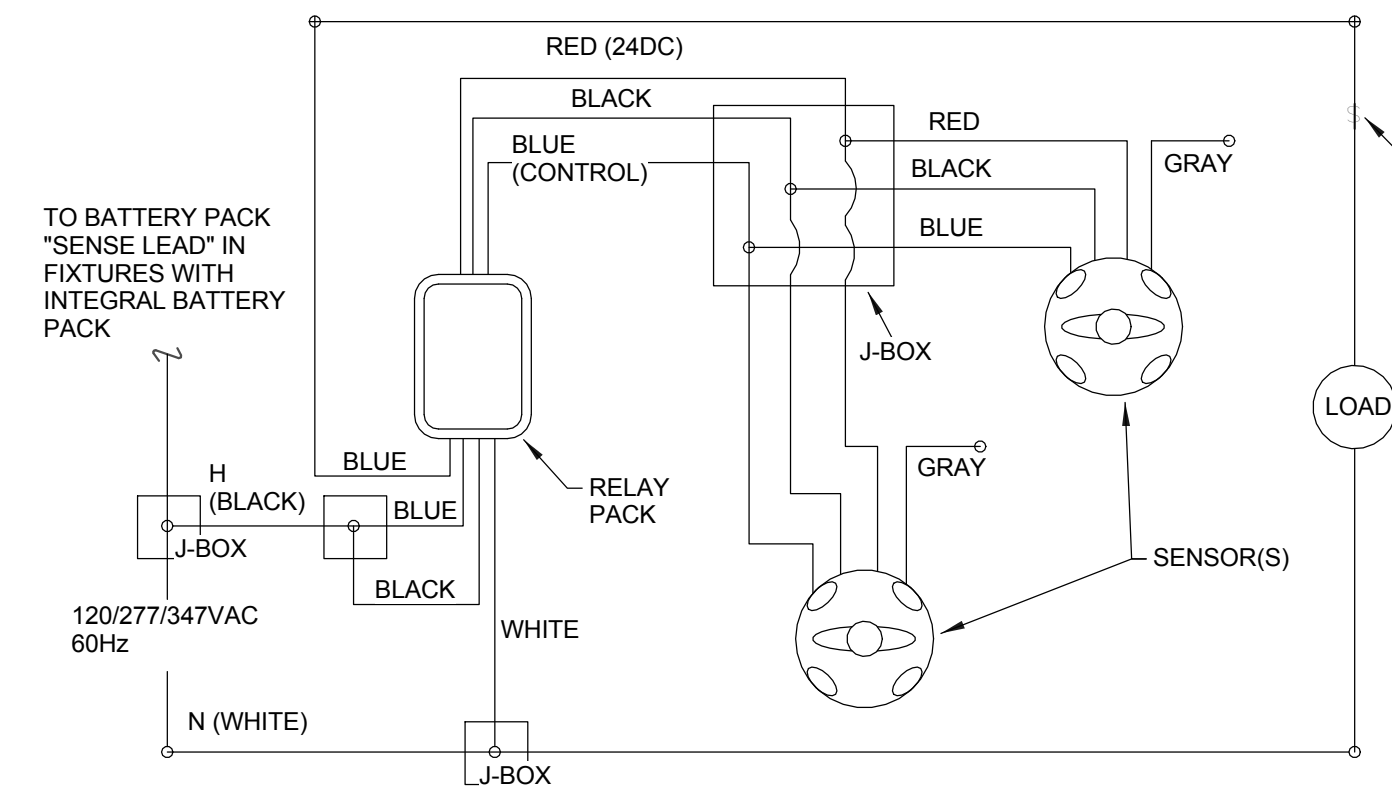
12 South 4th, Suite 1, Temple, TX 76502
254-718-4897 rabroker@starofTEXASengineering.com
TBPE F-15783



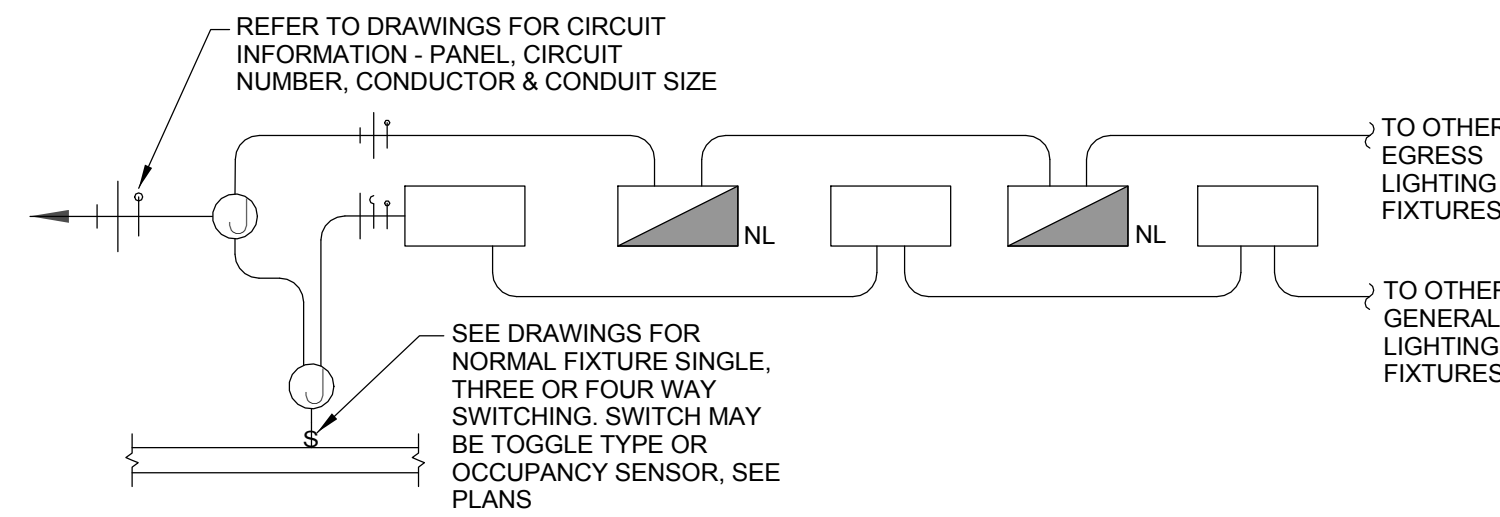
GENERAL NOTE:

- COORDINATE FINAL LOCATION OF ALL DEVICES WITH THE ARCHITECT AND THE ENGINEER PRIOR TO INSTALLATION. WHERE DEVICES ARE SHOWN IN APPROXIMATELY THE SAME LOCATION ON THE DRAWINGS, IT SHALL BE ALIGNED AS INDICATED. IF THERE IS NOT SUFFICIENT WALL SPACE TO ALIGN THE TEMPERATURE SENSOR HORIZONTALLY WITH THE LIGHT SWITCHES, THEY SHALL BE VERTICALLY ALIGNED ABOVE THE SWITCHES, OR AT AN ALTERNATE LOCATION APPROVED BY THE ARCHITECT AND ENGINEER. TEMPERATURE SENSOR SHALL NOT BE INSTALLED DIRECTLY ABOVE DIMMER SWITCHES.

1 DEVICE COORDINATION DETAIL
NOT TO SCALE



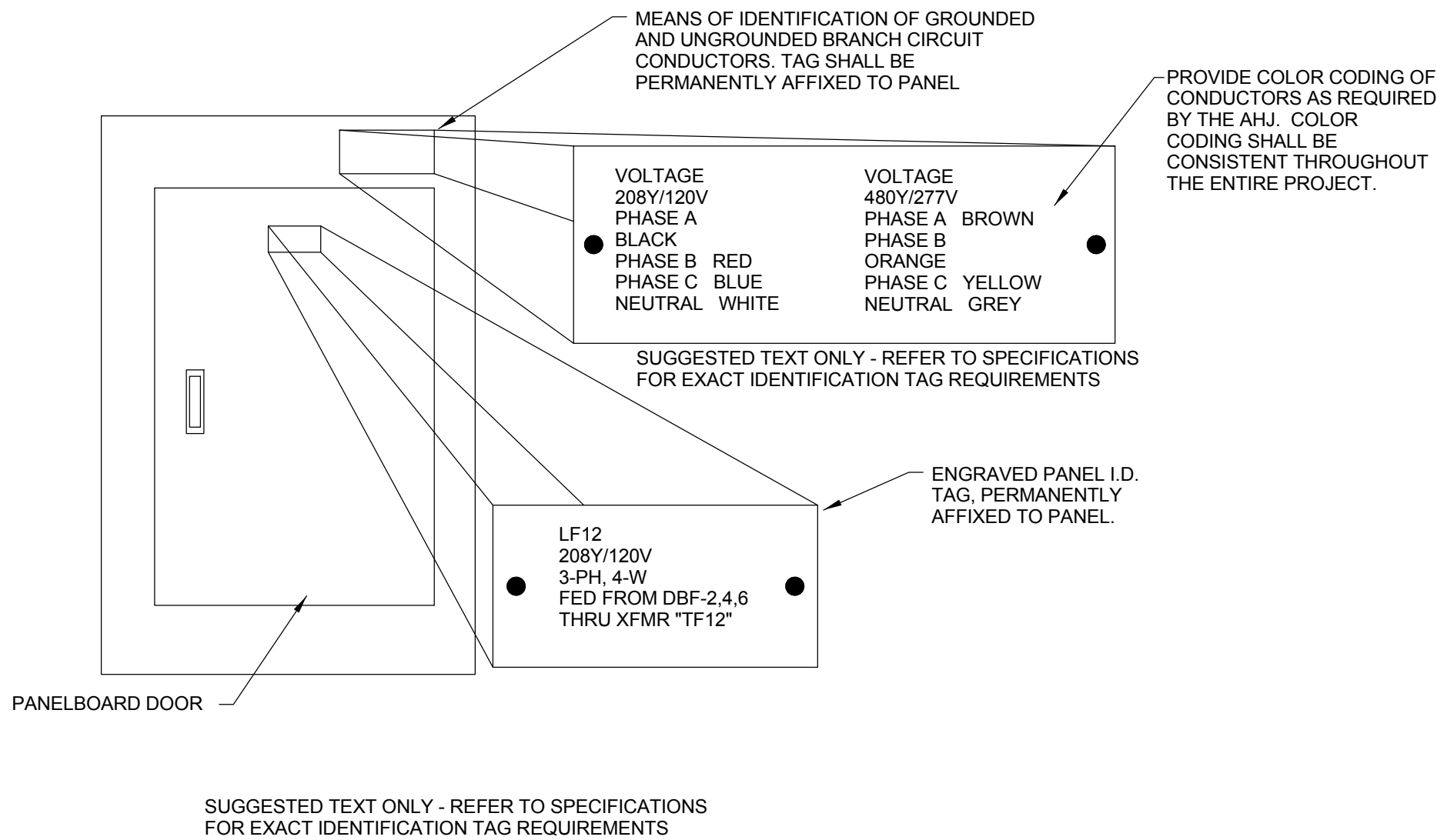
2 TYPICAL CEILING MOUNTED OCCUPANCY SENSOR
WITH RELAY PACK-WIRING DIAGRAM
NOT TO SCALE



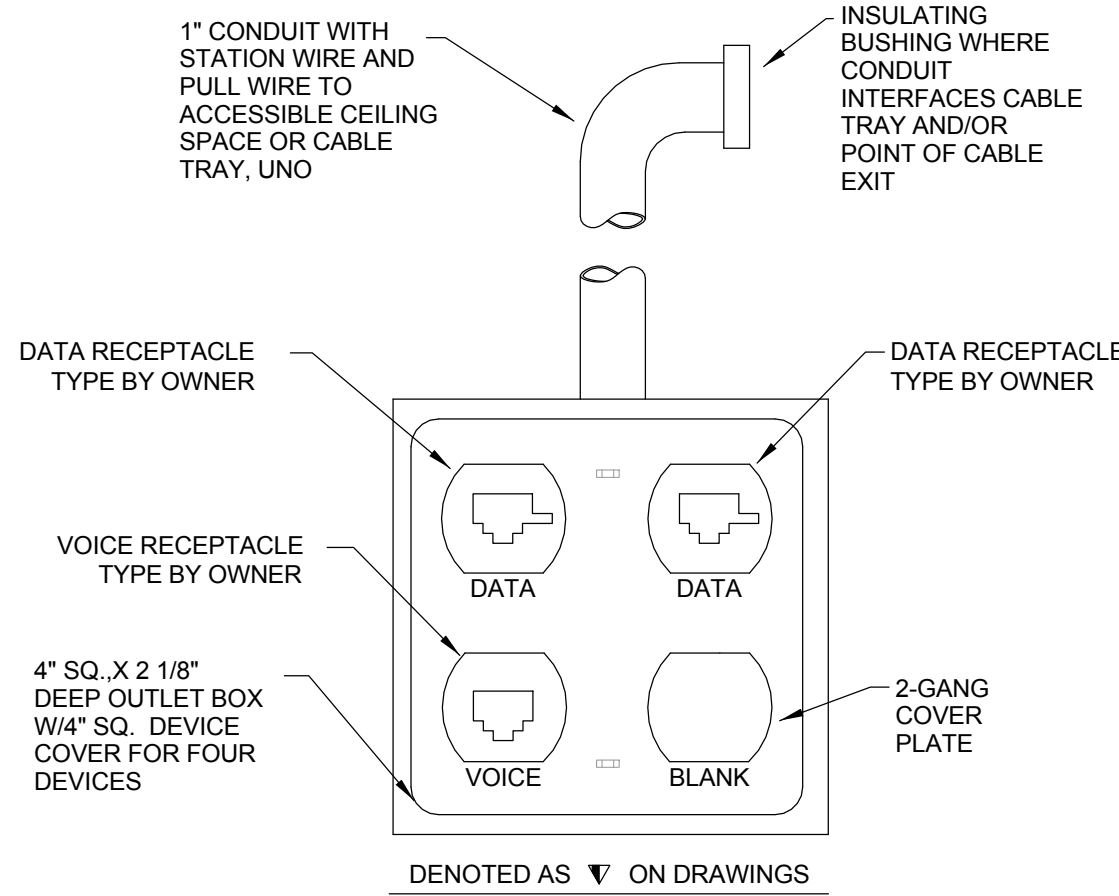
GENERAL NOTES:

- CONNECTIONS ARE SHOWN SCHEMATICALLY. DAISY-CHAINING OF FIXTURES IS NOT ALLOWED.
- REFER TO LIGHTING FIXTURE SCHEDULE FOR FIXTURE TYPES, TYPICAL.

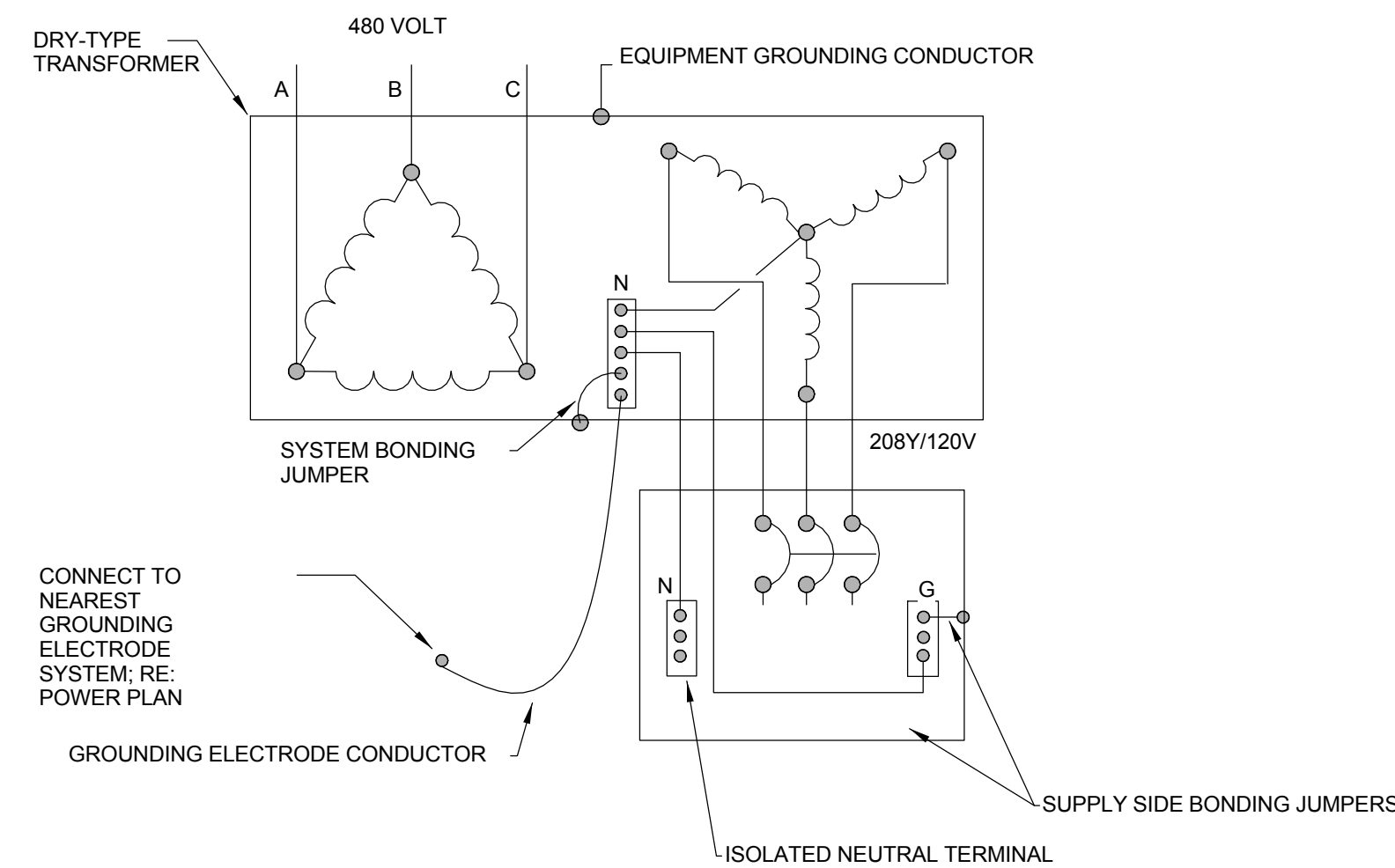
3 TYP. WIRING FOR EGRESS LIGHTING WITH
INTEGRAL BATTERY PACK LIGHT FIXTURES
NOT TO SCALE



4 PANELBOARD IDENTIFICATION TAG EXAMPLE
NOT TO SCALE
















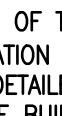
5 TYPICAL VOICE/DATA COMBINATION DEVICE
NOT TO SCALE



6 TYPICAL 480: 208Y/120V TRANSFORMER
GROUNDING DETAIL
NOT TO SCALE

p. 36

(NOTE: ALL SYMBOLS SHOWN ARE NOT NECESSARILY USED ON DRAWINGS)

ABBREVIATIONS		
	B. VA. BAL. VA.	BALL VALVE CKT. SETTER BALANCING VALVE
	CO CW	CLEANOUT DOM. COLD WTR. (POTABLE)
	D	CONDENSATE DRAIN LINE
	EOD EXT FCO	EMERGENCY OVERFLOW DRAIN EXTERIOR FLOOR CLEANOUT
	FCO FD (OR) SD	FLOOR CLEANOUT FIRE / SMOKE DAMPER
	GT. V GL. V G	GATE VALVE GLOBE VALVE NATURAL GAS
	HPG HW	HIGH PRESSURE NATURAL GAS DOMESTIC HOT WATER 140°F
	NPW	NON-POTABLE WATER (COLD)
	PW PI	DOMESTIC COLD WATER PRESSURE INDICATOR (GAUGE)
	RED.	REDUCER
	SAN SD	SOIL & WASTE (ABOVE GRADE) STORM DRAIN
	TI T.&P.	TEMP. INDICATOR (THERMOMETER) TEMP. & PRESS. RELIEF VALVE
	VD VTR V	VOLUME DAMPER VENT THRU ROOF SANITARY VENT
	WHA WCO	WATER HAMMER ARRESTOR WALL CLEANOUT

PIPING SCHEDULE					
SYMBOL	SERVICE	PIPE MATERIAL	TYPE JOINT	FITTINGS	TEST
————	SANITARY WASTE	STANDARD WEIGHT DWV CAST IRON	NEOPRENE GASKET	STANDARD WEIGHT DWV CAST IRON	10 ft. FOR 6 HOURS
— — — —	SANITARY VENT	DWV CAST IRON	S.S. NO-HUB	DWV CAST IRON	10 ft. FOR 6 HOURS
— — — — — D — — — —	DOMESTIC WATER & EQUIPMENT DRAIN (SIZES 2-1/2 INCHES IN DIAMETER AND SMALLER)	TYPE 'L' HARD DRAWN COPPER (TYPE 'K' FOR UNDERGROUND)	SWEAT WITH LEAD FREE SOLDER, SILVER SOLDER FOR UNDERGROUND	WROUGHT COPPER (CONTINUOUS NO JOINTS UNDER- FLOOR SLAB)	150 ft. FOR 24 HOURS

1. THE BUILDING PRESENTLY HAS A COMPLETE AUTOMATIC FIRE SPRINKLER AND STANDPIPE FIRE PROTECTION SYSTEM. CONTRACTOR SHALL MODIFY THE EXISTING WET PIPE FIRE SPRINKLER SYSTEM TO ACCOMMODATE THE RENOVATED AREA SHOWN ON THE PLANS. CONTRACTOR SHALL VISIT THE SITE AND FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID. CONTRACTOR SHALL VERIFY PIPE SIZES, AVAILABLE PRESSURE, AVAILABLE FLOW RATES AND THE LOCATION OF ALL EXISTING SYSTEM COMPONENTS. DRAWINGS INDICATE CERTAIN INFORMATION PERTAINING TO EXISTING PIPING WHICH HAS BEEN TAKEN FROM AVAILABLE DRAWINGS, SUCH INFORMATION IS NOT GUARANTEED AS TO ACCURACY OF LOCATION OR COMPLETE INFORMATION.

2. THE PURPOSE OF THE NEW WORK IS TO PROVIDE A COMPLETE, WORKING AND APPROVED AUTOMATIC FIRE SPRINKLER SYSTEM FOR THE AREAS/COMPARTMENTS RELATED TO THE RENOVATION AREA. CONTRACTOR SHALL MEET THE REQUIREMENTS OF ALL AUTHORITIES HAVING JURISDICTION LEAVING IN PLACE AND IN SERVICE ALL EXISTING PIPING SERVING ALL OTHER AREAS OF THE BUILDING. CONTRACTOR SHALL PERFORM WHATEVER WORK IS NECESSARY TO SATISFY THE PURPOSE OF THE NEW WORK AND LEAVE EXISTING SERVICES AND STRUCTURES IN A SATISFACTORY AND SERVICEABLE CONDITION.

3. CONTRACTOR SHALL INCLUDE IN HIS BID THE COST FOR REHABILITATING THE EXISTING FIRE SPRINKLER SYSTEM TO ENSURE THE NEW AND EXISTING SYSTEM MEET THE MINIMUM ACCEPTABLE STANDARDS OF THE CITY OF GEORGETOWN N.F.P.A. THE STATE BOARD OF INSURANCE AND THE STANDARDS LISTED IN SPECIFICATION 15501. CONTRACTOR SHALL CORRECT ALL EXISTING DEFICIENCIES.

4. IT IS A REQUIREMENT OF THIS CONTRACT TO VISIT THE SITE PRIOR TO BID TO DETERMINE THE CONDITION OF THE EXISTING SYSTEM AND THE EXTENT OF WORK REQUIRED. CONTRACTOR SHALL VERIFY ALL PIPE RUNS, SIZES, CONNECTIONS, SUPPORTS, RISER, SPRINKLER HEAD LOCATIONS, AVAILABLE PRESSURE, AVAILABLE FLOW RATES AND THE LOCATION OF ALL EXISTING SPRINKLER SYSTEM COMPONENTS. WHILE VISITING THE SITE, CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE CONTRACT DOCUMENTS AND EXISTING CONDITIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR THE EXISTING CONDITIONS AND THE PLANS OF THE NEW WORK, INCLUDING THE HVAC, ARCHITECTURAL AND ELECTRICAL PLANS TO DETERMINE THE EXTENT OF WORK REQUIRED.

5. PROVIDE A COMPLETE SERVICE AND PERFORMANCE TEST ON THE EXISTING FIRE SPRINKLER SYSTEM TO DETERMINE CONDITION AND ACCEPTABILITY OF THE EXISTING FIRE SPRINKLER SYSTEM COMPONENTS.

6. ALL IMPAIRMENTS TO THE EXISTING SYSTEM AFFECTING OTHER AREAS OF THE BUILDING SHALL BE COORDINATED WITH THE OWNER AND SHALL BE PERFORMED AT TIMES AGREEABLE TO THE OWNER. CONTRACTOR SHALL ENSURE DURATION OF IMPAIRMENTS ARE KEPT TO AN ABSOLUTE MINIMUM.

7. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE AVAILABLE FLOW AND PRESSURE CHARACTERISTICS BEFORE BEGINNING THE DESIGN OF THE FIRE PROTECTION SYSTEM. PERFORM A HYDRAULIC TEST ON THE EXISTING FIRE MAIN USING EXISTING FIRE HYDRANTS TO DETERMINE THE AVAILABLE FLOW AND PRESSURE. TEST SHALL BE TAKEN AT HYDRANTS LOCATED AT AREAS CAPABLE OF PROVIDING TRUE AND REPRESENTATIVE FLOW AND PRESSURE CHARACTERISTICS OF THE EXISTING FIRE MAINS. TEST SHALL BE PERFORMED AND DOCUMENTED PER NFA PAMPHLETS AND WITH FULL AUTHORIZATION FROM THE BUILDING OWNER AND THE CITY OF GEORGETOWN. THIS CONTRACTOR SHALL SCHEDULE THE FLOW TEST WITH THE CITY OF GEORGETOWN AND PROVIDE A MINIMUM 72-HOUR NOTICE TO THE OWNERS REPRESENTATIVE, THE ARCHITECT/ ENGINEER AND THE BUILDING INSURANCE UNDERWRITER REPRESENTATIVE. THE CONTRACTORS LICENSED PROFESSIONAL ENGINEER SHALL BE PRESENT TO WITNESS THE HYDRAULIC TEST.

8. SYSTEM DESIGN. THE SPRINKLER SYSTEM CONTRACTOR IS REQUIRED TO DEVELOP, SUBMIT AND INSTALL A COMPLETE AND APPROVED FIRE PROTECTION SYSTEM DESIGN. DESIGN THE SYSTEM IN ACCORDANCE WITH STATUTES, ORDINANCES, CODES AND REGULATIONS OF NATIONAL FIRE PROTECTION ASSOCIATION (NFA), UNDERWRITERS LABORATORIES (U.L.), TEXAS STATE DEPARTMENT OF INSURANCE, OSHA, UNIFORM BUILDING CODE, CITY OF TEMPLE FIRE DEPARTMENT, THE BUILDING INSURANCE UNDERWRITER, AND ANY STATE, LOCAL OR OTHER GOVERNMENTAL AUTHORITIES HAVING JURISDICTION.

9. PREPARE COMPLETE AND DETAILED SHOP DRAWINGS AND HYDRAULIC CALCULATIONS FOR THE ENTIRE FIRE PROTECTION SYSTEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE DESIGN OF THE FIRE PROTECTION SYSTEM. ALL PRESSURE LOSSES THRU

THE DISTRIBUTION SYSTEM AND FLUCTUATIONS IN SUPPLY SYSTEM PRESSURES SHALL BE ADEQUATELY ACCOUNTED FOR. INCLUDE AN ADEQUATE SAFETY FACTOR IN ALL HYDRAULIC CALCULATION. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO REPLACE OR OTHERWISE CORRECT ANY VARIATION OF THE EXISTING FIRE SPRINKLER SYSTEM THAT DOES NOT MEET AVAILABLE PRESSURES AND FLOW RATES. FUTURE CHANGES IN WATER SUPPLIES SHALL BE CONSIDERED.

10. IN ADDITION TO THE DETAILED SHOP DRAWINGS AND HYDRAULIC CALCULATIONS, OBTAIN AND PAY FOR THE SERVICES OF A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF TEXAS AND EXPERIENCED IN HYDRAULIC CALCULATIONS AND FIRE PROTECTION SYSTEM INSTALLATION TO REVIEW, CALCULATIONS AND INSTALLATION. SUBMIT A SIGNED LETTER FROM THE LICENSED PROFESSIONAL ENGINEER TO THE BUILDING INSURANCE UNDERWRITER. THE ENGINEER SHALL COMPLY WITH THE REQUIREMENTS OF NFA 13 AND THE INSTALLED SYSTEM HAS BEEN INSTALLED IN ACCORDANCE WITH THE APPROVED PLANS AND CALCULATIONS. COPIES OF THIS LETTER SHALL BE SUBMITTED TO THE TEXAS DEPARTMENT OF INSURANCE, THE OWNER REPRESENTATIVE AND THE ARCHITECT/ENGINEER. THE PROFESSIONAL SHALL NOT BE AN EMPLOYEE OF THE CONTRACTOR.

11. SUBMIT THE RESULTS OF THE HYDRAULIC TEST, THE PROFESSIONAL ENGINEER'S CERTIFICATION OF THE DRAWINGS AND HYDRAULIC CALCULATIONS, THE DETAILED SHOP DRAWINGS AND THE HYDRAULIC CALCULATIONS TO THE BUILDING INSURANCE UNDERWRITER. THE CITY OF GEORGETOWN FIRE MARSHALL'S OFFICE, AND ANY OTHER STATE OR LOCAL GOVERNMENTAL BODY HAVING JURISDICTION FOR APPROVAL. CONTRACTOR SHALL COMMENCE DESIGN WORK ON SUBMITTAL DRAWINGS IMMEDIATELY AFTER AWARD OF CONTRACT AND SHALL SUBMIT APPROVED DRAWINGS TO THE ARCHITECT IN A REASONABLE AMOUNT OF TIME (FOR ENGINEER'S ACKNOWLEDGMENT) PRIOR TO INSTALLATION OF ANY PORTION OF THE FIRE SYSTEMS.

12. APPROVED DATA SHALL BEAR SEAL OF THE CITY OF GEORGETOWN FIRE DEPARTMENT, AND THE PROFESSIONAL ENGINEER AS WELL AS THE BUILDING INSURANCE UNDERWRITER. SUBMIT APPROVED DRAWINGS ONLY. DO NOT SUBMIT DRAWINGS WITHOUT APPROVAL SEAL AND SIGNATURE. DRAWINGS SHALL INCLUDE ALL REQUIRED INFORMATION REQUIRED BY NFA PAMPHLETS FOR WORKING PLANS, INCLUDING ALL DETAILS, PLANS, CALCULATIONS, ETC. ALL FIRE SPRINKLER DRAWINGS SHALL INCLUDE ALL INFORMATION REQUIRED

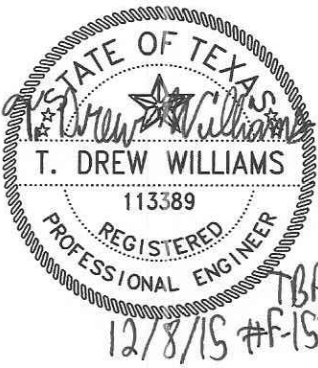


2851 Joe DiMaggio Blvd., STE. 9, Round Rock, TX 78665

512-917-0925

dmcDonald@staroftexasengineering.com
TBPE F-15783

109 S | harris street | round rock
suite 200 | texas 78664
ryan@modedc.us | www.modedc.us
+1 512 733 1150



WILCO JUSTICE CENTER EXPANSION BREAK ROOMS

405 MARTIN LUTHER KING DR., GEORGETOWN, TEXAS 78626

PROJECT PHASE

PERMIT

REVISIONS

PROJECT NUMBER _____

DATE ISSUED

12/08/15

Symbols/Legend & Abbr. - Plbg

SHEET NUMBER

P1-0



**WILCO JUSTICE CENTER
EXPANSION BREAK ROOMS**
405 MARTIN LUTHER KING DR., GEORGETOWN, TEXAS 78626

PROJECT PHASE
PERMIT
REVISIONS

PROJECT NUMBER

DATE ISSUED
12/08/15
SHEET TITLE

Floor Plans -
Plumbing

SHEET NUMBER

P2-1

GENERAL NOTES

1. VISIT THE SITE AND FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID. VERIFY PIPE SIZES AND LOCATIONS OF ALL EXISTING PLUMBING CONNECTIONS. INCLUDING THE FLOW LINE ELEVATION OF EXISTING WASTE PIPING. SUBMIT ELEVATION FINDINGS TO ARCHITECT PRIOR TO START OF CONSTRUCTION. DRAWINGS INDICATE CERTAIN INFORMATION PERTAINING TO EXISTING ABOVE FLOOR AND UNDERFLOOR PLUMBING PIPING WHICH HAS BEEN TAKEN FROM AVAILABLE DRAWINGS. SUCH INFORMATION IS NOT GUARANTEED AS TO ACCURACY OF LOCATION OR COMPLETE INFORMATION. THE PURPOSE OF THE NEW WORK IS TO PERFORM THE CHANGES SHOWN AND TO LEAVE IN PLACE AND IN SERVICE EXISTING PIPING SERVING EXISTING EQUIPMENT SHOWN TO BE LEFT IN PLACE AND IN SERVICE PERFORM WHATEVER WORK IS NECESSARY TO SATISFY THE PURPOSE OF THE NEW WORK AND LEAVE EXISTING SERVICES AND STRUCTURES IN SATISFACTORY AND SERVICEABLE CONDITION.
2. REMOVE AND REPLACE EXISTING CONSTRUCTION AS REQUIRED TO ACCOMMODATE NEW WORK. REPLACE ALL REMOVED CONSTRUCTION TO MATCH EXISTING. MAINTAIN STRUCTURAL AND AESTHETIC INTEGRITY OF EXISTING.
3. CORE DRILL THROUGH EXISTING CONSTRUCTION AS REQUIRED TO ACCOMMODATE NEW WORK. FIELD VERIFY EXACT LOCATION OF CORE DRILLING. DO NOT DRILL THROUGH ANY STRUCTURAL MEMBER, MAINTAIN STRUCTURAL INTEGRITY OF BUILDING.
4. PERFORM WORK IN ACCORDANCE WITH APPLICABLE STATUTES, ORDINANCES, CODES, AND REGULATIONS OF GOVERNMENTAL AUTHORITIES HAVING JURISDICTION. OBTAIN AND PAY FOR ALL PERMITS AND INSPECTIONS.
5. ROUTE ALL PIPING CONCEALED, HIDDEN FROM VIEW AND AS HIGH AS POSSIBLE ABOVE CEILING LEVELS.
6. PIPE PENETRATIONS THROUGH NEW AND EXISTING FIRE RATED CONSTRUCTION SHALL BE FIRE STOPPED USING 3M, HILTI, RECTORSSEAL OR DOW CORNING U.L. PENETRATIONS. APPLY/INSTALL U.L. ASSEMBLIES IN STRICT CONFORMANCE TO THE MANUFACTURER'S RECOMMENDATIONS. FIRE RATING OF PIPE PENETRATION SHALL MEET OR EXCEED THE RATING OF THE PENETRATED ITEM. SUBMIT EVIDENCE/CERTIFICATION OF CONFORMANCE.
7. SUPPORT INSULATION AT HANGERS AND SUPPORTS WITH A SHIELD OF GALVANIZED METAL EXTENDING NOT LESS THAN 4-INCHES ON EITHER SIDE OF THE SUPPORT BEARING AREA COVERING AT LEAST HALF OF THE PIPE CIRCUMFERENCE.
8. INSULATE ALL WATER SUPPLY (HOT AND COLD) PIPING WITH 1-INCH THICK FIBERGLASS PIPE INSULATION. FIBERGLASS PIPE INSULATION SHALL HAVE AN ALL SERVICE JACKET (ASJ) WITH SELF-SEALING LAPS (OWENS CORNING SSL-11 OR EQUAL). ALL PIPING INSULATION USED ON THE PROJECT SHALL HAVE A FLAME SPREAD RATING NOT EXCEEDING 25 AN A SMOKE DEVELOPED RATING NOT EXCEEDING 50 AS DETERMINED BY TEST PROCEDURES ASTM E 84 NFPA 225 AND U.L. 723. THESE RATINGS MUST BE AS TESTED ON THE COMPOSITE OF INSULATION JACKET OR FACING AND ADHESIVE. COMPONENTS SUCH AS ADHESIVES MASTIC AND CEMENTS SHALL MEET THE SAME INDIVIDUAL RATINGS AS THE MINIMUM REQUIREMENTS.
9. SUPPORT INSULATION AT HANGERS AND SUPPORTS WITH A SHIELD OF GALVANIZED METAL EXTENDING NOT LESS THAN 4-INCHES ON EITHER SIDE OF THE SUPPORT BEARING AREA COVERING AT LEAST HALF OF THE PIPE CIRCUMFERENCE.

NOTE:

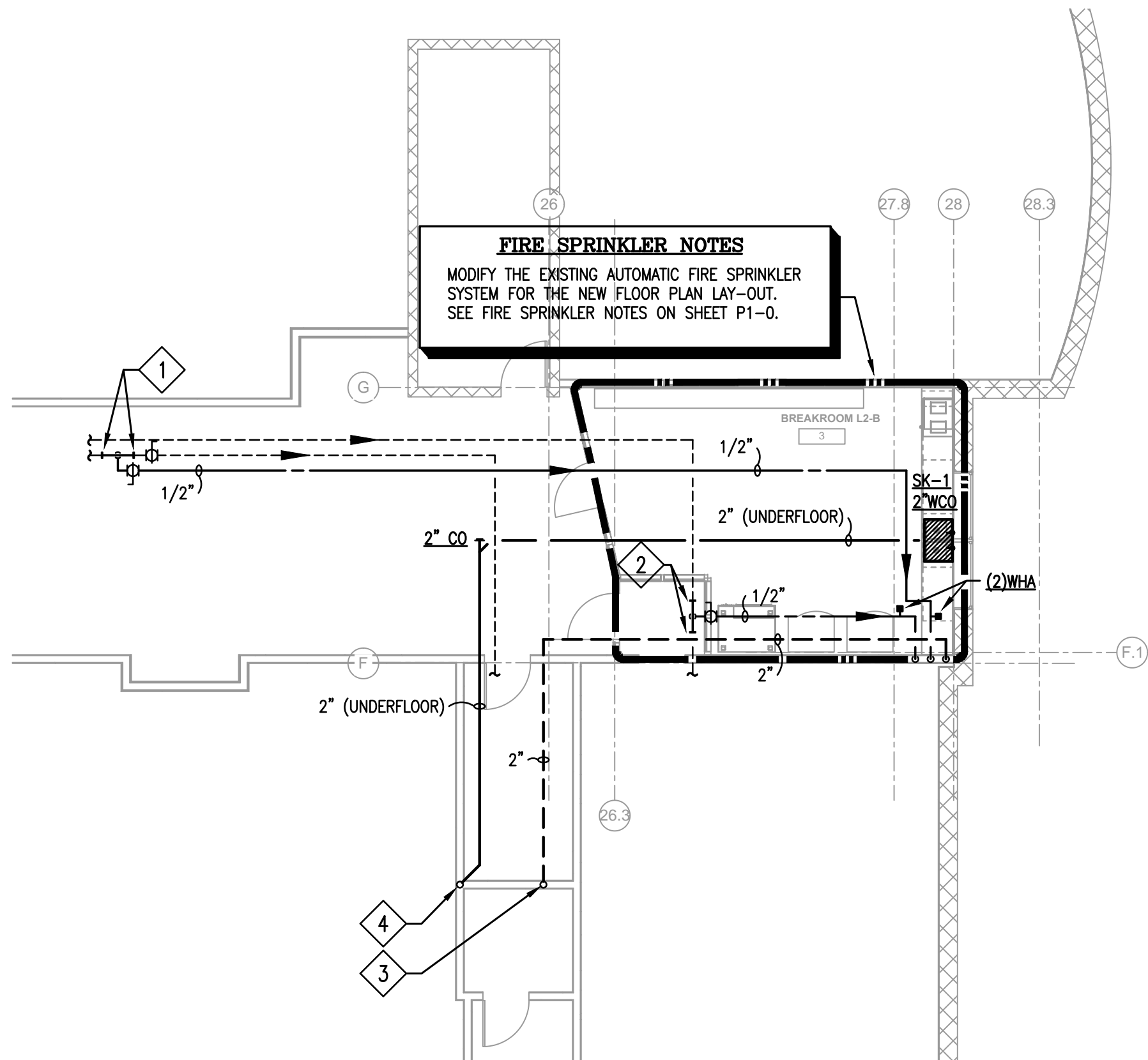
1. ROUTE ALL PIPING AS HIGH ABOVE CEILING.
2. SEE PLUMBING RISER DIAGRAMS AND PLUMBING DETAILS FOR ADDITIONAL VALVES, WHA, & SIZES NOT SHOWN HERE.
3. ALL WATER HAMMER ARRESTORS (WHA) SHALL BE 3/4" TYPE "A" LOCATED ABOVE CEILING. UNLESS NOTED OTHERWISE.

KEYED NOTES

- 1 CONNECT NEW 1/2" CW LINE TO EXISTING. (FIELD VERIFY EXACT SIZE AND LOCATION.)
- 2 CONNECT NEW 1/2" HW LINE TO EXISTING. (FIELD VERIFY EXACT SIZE AND LOCATION.)
- 3 CONNECT NEW 2" SANITARY VENT TO EXISTING. (FIELD VERIFY EXACT SIZE AND LOCATION.)
- 4 CONNECT NEW 2" SANITARY WASTE LINE TO EXISTING. (FIELD VERIFY EXACT SIZE AND LOCATION.)
- 5 2" SANITARY WASTE LINE DOWN FROM ABOVE.

FIRE SPRINKLER NOTES

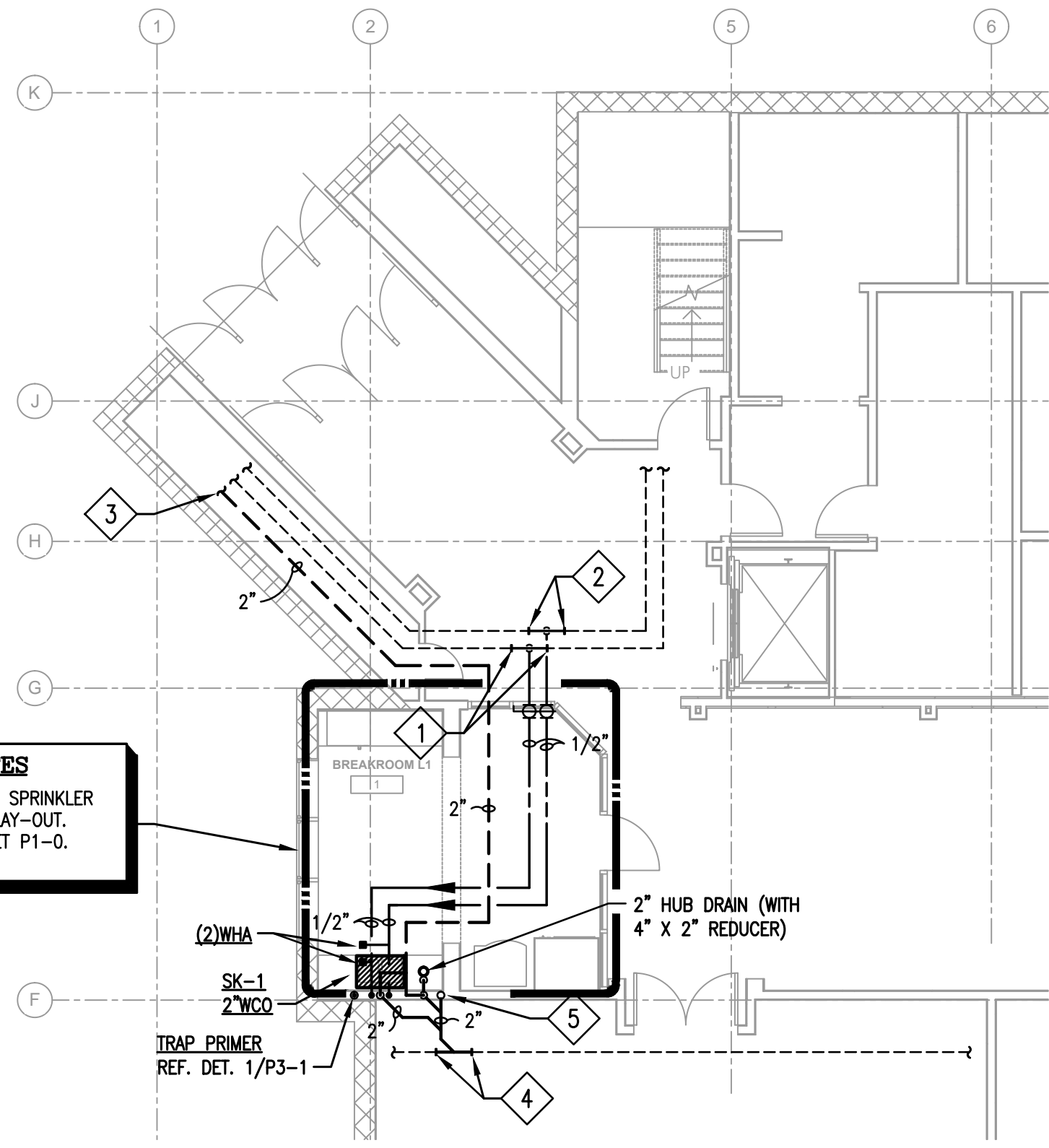
MODIFY THE EXISTING AUTOMATIC FIRE SPRINKLER SYSTEM FOR THE NEW FLOOR PLAN LAY-OUT. SEE FIRE SPRINKLER NOTES ON SHEET P1-0.



3 Level 2 Break Room (L2-B) - Floor Plan - Plumbing
SCALE: 1/8" = 1'-0"

FIRE SPRINKLER NOTES

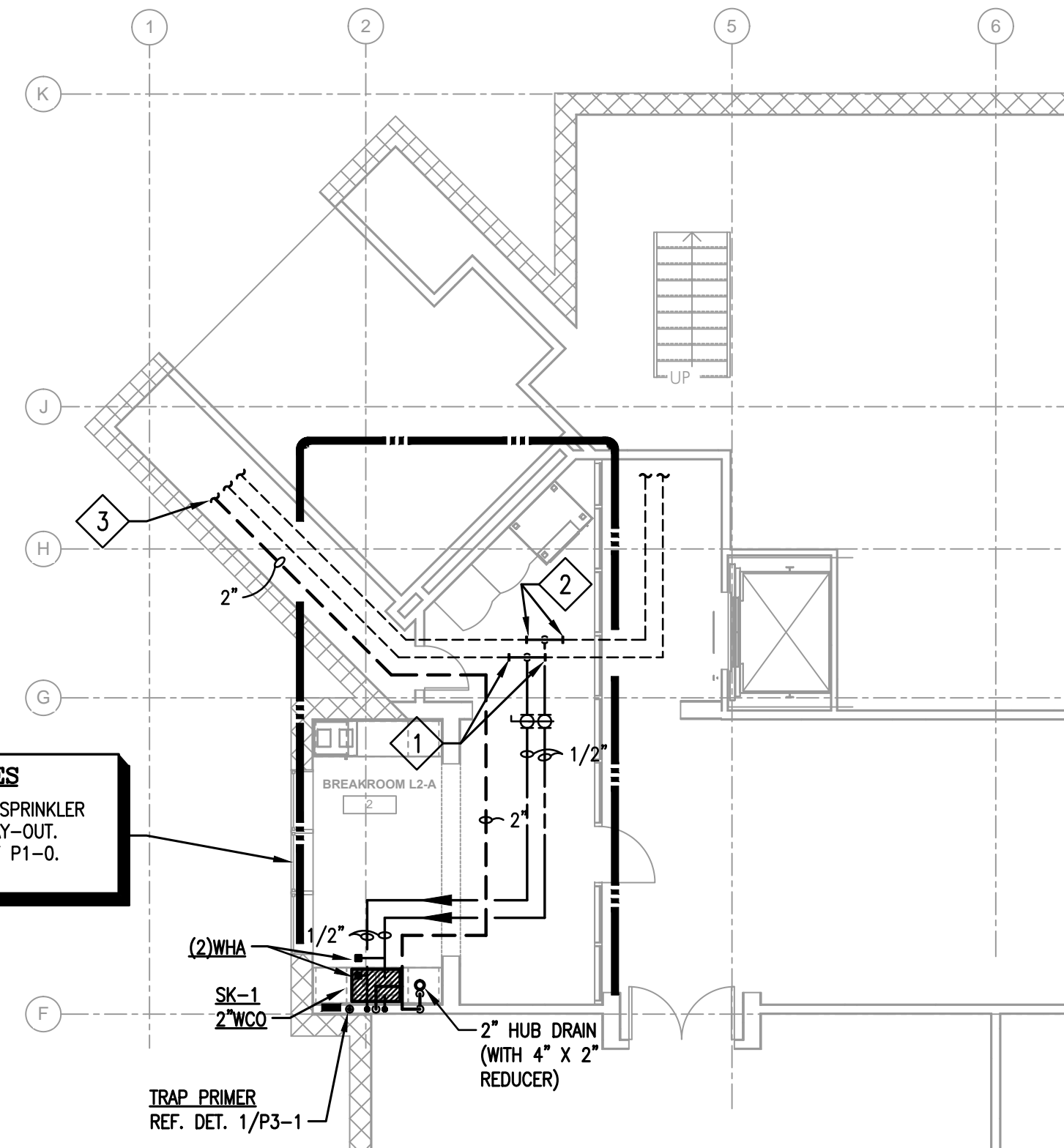
MODIFY THE EXISTING AUTOMATIC FIRE SPRINKLER SYSTEM FOR THE NEW FLOOR PLAN LAY-OUT. SEE FIRE SPRINKLER NOTES ON SHEET P1-0.



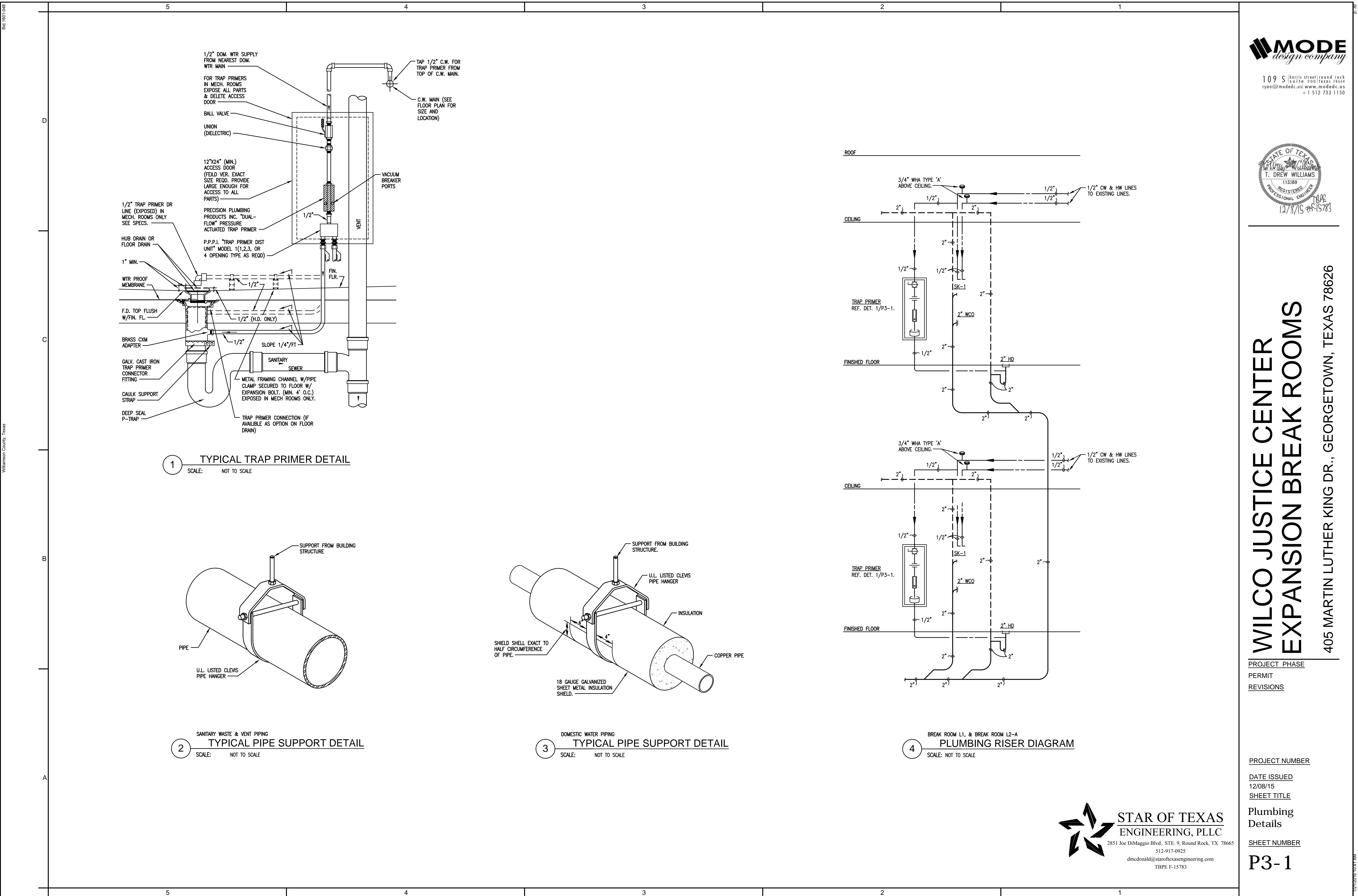
1 Level 1 Break Room (L1-A) - Floor Plan - Plumbing
SCALE: 1/8" = 1'-0"

FIRE SPRINKLER NOTES

MODIFY THE EXISTING AUTOMATIC FIRE SPRINKLER SYSTEM FOR THE NEW FLOOR PLAN LAY-OUT. SEE FIRE SPRINKLER NOTES ON SHEET P1-0.



2 Level 2 Break Room (L2-A) - Floor Plan - Plumbing
SCALE: 1/8" = 1'-0"



WILCO JUSTICE CENTER EXPANSION BREAK ROOMS

405 MARTIN LUTHER KING DR., GEORGETOWN, TEXAS 78626

PROJECT PHASE
PERMIT
REVISIONS

PROJECT NUMBER

DATE ISSUED
12/08/15
SHEET TITLE

Plumbing
Details

SHEET NUMBER

P3-1

1.0 BID FORMAT AND SUBMISSION

1.1 Organization of Bid Contents for Submittal

Each Bid should be organized and items submitted in the order described in of this IFB.

1.2 Conflict of Interest

No public official shall have interest in a contract, in accordance with Vernon's Texas Codes Annotated, Local Government Code Title 5, Subtitle C, Chapter 171, as amended.

As of January 1, 2006, Bidders are responsible for complying with Local Government Code Title 5, Subtitle C, Chapter 176. Additional information may be obtained from the Williamson County website at the following link:

<http://www.wilco.org/CountyDepartments/Purchasing/ConflictOfInterestDisclosure/tabid/689/language/en-US/Default.aspx>

Each Bidder must disclose any existing or potential conflict of interest relative to the performance of the requirements of this IFB. Examples of potential conflicts may include an existing business or personal relationship between the Bidder, its principal, or any affiliate or subcontractor, with Williamson County or any other entity or person involved in any way in the project that is the subject of this IFB. Similarly, any personal or business relationship between the Bidder, the principals, or any affiliate or subcontractor, with any employee or official of Williamson County or its suppliers must be disclosed. Any such relationship that might be perceived or represented as a conflict must be disclosed. Failure to disclose any such relationship or reveal personal relationships with Williamson County employees or officials may be cause for termination. Williamson County will decide if an actual or perceived conflict should result in Bid disqualification.

By submitting a Bid in response to this IFB, all Bidders affirm that they have not given, nor intend to give, at any time hereafter any economic opportunity, future employment, gift, loan, gratuity, special discount, trip, favor, or service to a Williamson County public servant or any employee, official or representative of same, in connection with this procurement.

Each Bidder must provide a Conflict of Interest Statement in accordance with this IFB.

1.3 Certificate of Interested Parties

As of January 1, 2016, Bidders are responsible for complying with the Texas Government Code Section 2252.908. The law states that Williamson County may not enter into certain contracts with a Bidder unless the Bidder submits a disclosure of interested parties to Williamson County at the time the Bidder submits the signed contract to Williamson County. The law applies only to a contract of Williamson County that either (1) requires an action or vote by the Commissioners Court before the contract may be signed or (2) has a value of at least \$1 million. The disclosure requirement applies to a contract entered into on or after January 1, 2016.

By January 1, 2016, the Texas Ethics Commission will make available on its website a new filing application that must be used to file Form 1295. A Bidder must use the application to enter the required information on Form 1295 and print a copy of the form and a separate certification of filing that will contain a unique certification number. An authorized agent of the Bidder must sign the printed copy of the form and have the form notarized. The completed Form 1295 and certification of filing must be filed with Williamson County.

Williamson County must notify the commission, using the commission's filing application, of the receipt of the filed Form 1295 and certification of filing not later than the 30th day after the date the contract binds all parties to the contract. The commission will post the completed Form 1295 to its website within seven business days after receiving notice from Williamson County.

Information regarding how to use the filing application will be available on the Texas Ethics Commission website by January 1, 2016.

1.4 Ethics

The Bidder shall not accept or offer gifts or anything of value nor enter into any business arrangement with any employee, official or agent of Williamson County.

1.5 Bid Submittal Deadline

The Bid is due no later than the submittal date and time set forth in the 'Public Announcement and General Information' listed above for this IFB. Contents of each Bid shall be submitted in accordance with this IFB.

1.6 Delivery of Bids

Williamson County uses BidSync to distribute and receive bids and proposals Bids can be submitted electronically through BidSync or by hard copy. Refer to www.bidsync.com for further information.

If mailed or delivered in person, Bids and Bid addenda are to be delivered in sealed envelope on or before the submittal deadline, as noted in the 'Public Announcement and General Information' listed above for this IFB, to:

Williamson County Purchasing Department

Attn: **BID NAME AND NUMBER**

901 South Austin Avenue Georgetown, Texas 78626

Williamson County will not accept any Bids received after the submittal deadline, and shall return such Bids unopened to the Bidder. Williamson County will not accept any responsibility for Bids being delivered by third party carriers. Bidder should submit one (1) original, and one (1) copy of their Bid on CD (or other portable storage device). Bids will be opened publicly and read aloud. In the case of an RFP (Request for Proposal) submissions may be recognized in a manner to avoid public disclosure of contents; however, names of Bidders will then be read aloud.

Bidders should list the Bid Number, Bid Name, Name and Address of Bidder, and the Date of the Bid opening on the outside of the box or envelope and note "Sealed Bid Enclosed."

2.1 INSTRUCTIONS AND GENERAL REQUIREMENTS RELATED TO THIS BID

Read this document carefully. Follow all instructions and requirements. You are responsible for fulfilling all requirements and specifications. Be sure you have a clear understanding of this IFB.

General requirements apply to all advertised IFBs; however, these may be superseded, in whole or in part, by the Bid Specifications, Addenda issued as a part of this IFB and Modifications issued as a part of this IFB. Be sure your Bid package is complete.

2.2 Ambiguity, Conflict, or other Errors in the IFB

If Bidder discovers any ambiguity, conflict, discrepancy, omission or other error in this IFB, Bidder shall immediately notify Williamson County Purchasing Department of such error in writing and request modification or clarification of the document.

Modifications will be made by issuing Addenda. If the Bidder fails to notify Williamson County prior to the date and time fixed for submission of Bids of an error or ambiguity in the IFB known to Bidder, or an error or ambiguity that reasonably should have been known to Bidder, then Bidder shall be deemed to have waived the error or ambiguity or its later resolution.

Williamson County may also modify the IFB, no later than 48 hours prior to the date and time fixed for submission of Bids, by issuance of an Addendum. All addenda will be numbered consecutively, beginning with 1.

2.3 Notification of Most Current Address

Bidders in receipt of this IFB shall notify the Williamson County Purchasing Department of any address changes, contact person changes, and/or telephone number changes no later than 48 hours prior to the date and time fixed for submission of Bids.

2.4 Bid Preparation Cost

Cost of developing Bids is entirely the responsibility of Bidders and shall not be charged to Williamson County.

2.5 Signature of Bidder

If the Bidder is a Corporation or Limited Liability Company, the legal name of the Corporation or Limited Liability Company shall be provided together with the signature of the officer or officers authorized to sign on behalf of such entity.

If the Bidder is a General Partnership, the true name of the firm shall be provided with the signature of each partner authorized to sign.

If the Bidder is a Limited Partnership, the name of the Limited Partner's General Partner shall be provided with the signature of the officer authorized to sign on behalf of the General Partner.

If the Bidder is a Sole Proprietor(s) (individual), each Sole Proprietor(s) shall sign.

If signature is by an agent, other than the Sole Proprietor(s) or an officer of a Corporation, Limited Liability Company, General Partner or a member of a General Partnership, a power of attorney or equivalent document must be submitted to the Williamson County Purchasing Department.

2.6 Assumed Business Name

If the Bidder operates business under an Assumed Business Name, the Bidder must have on file with the Williamson County Clerk a current Assumed Name Certificate and provide a file marked copy of same.

2.7 Bid Obligation

The contents of the IFB, Bid, and any clarification thereof submitted by the Successful Bidder shall become part of the contractual obligation and incorporated by reference into the Contract and any ensuing Agreement.

2.8 Compliance with IFB Specifications

It is intended that this IFB describe the requirements and the Bid format in sufficient detail to secure comparable Bids. Failure to comply with all provisions of the IFB may, at the sole discretion of Williamson County, result in disqualification.

2.9 Withdrawal of Bid

The Bidder may withdraw its Bid by submitting a written request over the signature of an authorized individual, as described herein above, to the Williamson County Purchasing Department any time prior to the submission deadline. The Bidder may thereafter submit a new Bid prior to the deadline. Modification of the Bid in any manner will not be considered if submitted after the deadline. Withdrawal of a Bid after the deadline will be subject to written approval of the Williamson County Purchasing Agent.

2.10 Evaluation/Award

Williamson County reserves the right to use all pertinent information (also learned from sources other than disclosed in the BID process) that might affect Williamson County's judgment as to the appropriateness of an award to the lowest and best evaluated Bid. This information may be appended to the Bid evaluation process results. Information on a Bidder from reliable sources, and not within the Bidder's Bid, may also be noted and made part of the evaluation file. Williamson County shall have sole discretion for determining the reliability of the source.

To ensure the proper and fair evaluation of a solicitation, Williamson County prohibits unsolicited communication initiated by the Bidder to the County Official or Employee evaluating or considering the Bids prior to the time an award has been made. Unsolicited communication may be ground for disqualifying the offending Bidder from consideration or award of the solicitation then in evaluation, or any future solicitation.

Communication between Bidder and the County will be initiated by the appropriate County Official or Employee in order to obtain information or clarification needed to develop a proper and accurate evaluation of the solicitation.

To award the lowest responsible bidder in accordance with Texas Government Code and Local Government Code, the County may consider, to the extent allowed by law, the following:

- Price
- Bidder's experience and reputation
- Quality of the Bidder's goods and/or services
- Bidder's safety record
- Bidder's proposed personnel
- Bidder's financial capabilities
- Any other relevant factors specifically listed in the IFB

Consideration of Location of Principal Office

Pursuant to Texas Local Government Code Section 271.905, in purchasing under this title any real property or personal property that is not affixed to real property, if Williamson County receives one or more Bids from a Bidder whose principal place of business is in Williamson County and whose Bid is within three percent (3%) of the lowest bid price received by Williamson County from a Bidder who is not a resident of Williamson County, Williamson County may enter into a contract with: the lowest Bidder; or the Bidder whose principal place of business is in Williamson County if the Williamson County Commissioners Court determines, in writing, that the local Bidder offers Williamson County the best combination of contract price and additional economic development opportunities for Williamson County created by the contract award, including the employment of residents of Williamson County and increased tax revenues to Williamson County.

This consideration does not prohibit Williamson County from rejecting all Bids. It is understood that the Commissioners Court of Williamson County, Texas, reserves the right to accept or reject any and/or all Bids for any or all goods and/or services covered in this IFB, and to waive informalities or defects in the Bid or to accept such Bid it shall deem to be in the best interest of Williamson County.

Awards should be made approximately sixty (60) business days after the Bid opening date. Results may be obtained by viewing the Williamson County vendor portal at the following link:

<http://www.wilco.org/CountyDepartments/Purchasing/SearchforaPastBid/tabid/5213/language/en-US/Default.aspx>

2.11 Responsibility

It is expected that a prospective Bidder will be able to affirmatively demonstrate Bidder's responsibility. A prospective Bidder should be able to meet the following requirements:

- a) have adequate financial resources, or the ability to obtain such resources as required;
- b) be able to comply with the required or proposed delivery schedule;
- c) have a satisfactory record of performance that can be determined thru references provided
- d) have a satisfactory record of performance with Williamson County; and e) be otherwise qualified and eligible to receive an award.

Williamson County may request representation and other information sufficient to determine Bidder's ability to meet these minimum standards listed above.

2.12 Firm Pricing

For unit price items, all of the items listed are to be on a "per unit" basis, stating a firm price per unit or unit quantity of each item. Bidder must submit a firm price that must be good from the date of Bid opening for the fixed period of time set out in this IFB. Unless the IFB expressly states otherwise, this period shall be until the end of the Initial Contract Period. Bids which do not state a fixed price, or which are subject to change without notice, will not be considered. The Court may award a contract for the period implied or expressly stated in the lowest and best Bid.

2.13 Purchase Orders

If required by the Williamson County Purchasing Department, a purchase order(s) may be generated to the Successful Bidder for goods and/or services. If a purchase order is issued, the purchase order number must appear on all itemized invoices and/or requests for payment.

2.14 Silence of Specifications

The apparent silence of these specifications as to any detail or to the apparent omission from it of a detailed description concerning any point, shall be regarded as meaning that only the best practices are to prevail. All interpretations of these specifications shall be made on the basis of this statement.

2.15 References

Williamson County may require Bidder to supply a list of at least three (3) references where like services and/or goods have been supplied by their firm within the past five (5) years. References should be provided in accordance with this IFB.

3.1 DEFINITIONS, TERMS AND CONDITIONS

3.2 Definitions

- a) "Addenda" – Means any written or graphic instruments issued by Williamson County prior to the consideration of Bids which modify or interpret the Bid Documents by additions, deletions, clarifications, or corrections.
- b) "Agreement" – The Successful Bidder may be required by Williamson County to sign an additional Agreement containing terms necessary to ensure compliance with the IFB and Bidder's Bid. Such ensuing Agreement(s) shall contain the Bid Specifications, Terms and Conditions that are derived from the IFB.
- c) "Contract" – This IFB and the Bid of the Successful Bidder shall become a contract between the Successful Bidder and Williamson County once the Successful Bidder's Bid is properly accepted by the Williamson County Commissioners Court.
- d) "Bid Documents" – The Legal Notice, IFB including attachments, and any Addenda issued by Williamson County prior to the consideration of any Bids.
- e) "Bid" – The completed and signed bid form referred to as the Price Sheet and ALL required forms and documentation listed in the bid package which have been submitted in accordance with the terms and conditions described in the IFB package. A Bid submitted in accordance with this IFB is irrevocable during the specified period for evaluation and acceptance of Bids unless a waiver is obtained from the Williamson County Purchasing Agent.
- f) "Bidder" – A person or entity who submits a Bid in response to this IFB.
- g) "IFB" – Refers to this document, together with the attachments thereto and any future addenda issued by Williamson County.
- h) "Successful Bidder" – The liable Bidder to whom Williamson County intends to award the Contract.

3.2.1 Venue and Governing Law

Bidder hereby agrees and acknowledges that venue and jurisdiction of any suit, right, or cause of action arising out of or in connection with this IFB, the Contract and any ensuing Agreement shall lie exclusively in either Williamson County, Texas or in the Austin Division of the Western Federal District of Texas, and the parties hereto expressly consent and submit to such jurisdiction. Furthermore, except to the extent that this IFB, the Contract and any ensuing Agreement is governed by the laws of the United States, this IFB, the Contract and any ensuing Agreement shall be governed by and construed in accordance with the laws of the State of Texas, excluding, however, its choice of law rules.

3.2.2 Incorporation by Reference and Precedence

The Contract shall be derived from (1) the IFB and its Schedules; and (2) the Bidder's Bid. In the event of a dispute under the Contract, applicable documents will be referred to for the purpose of clarification or for additional detail in the following order of precedence: (1) the IFB and its Schedules; and (2) the Bidder's Bid.

In the event Williamson County requires that an ensuing Agreement be executed following award and a dispute arises between the terms and conditions of the ensuing Agreement, (2) the IFB, and its Schedules; and (3) the Bidder's Bid, applicable documents will be referred to for the purpose of clarification or for additional detail in the following order of precedence: (1) terms and conditions of the ensuing Agreement, (2) the IFB; and (3) the Bidder's Bid.

3.2.3 Ownership of Bid

Each Bid shall become the property of Williamson County upon submittal and will not be returned to Bidders unless received after the submittal deadline.

3.2.4 Disqualification of Bidder

Upon signing and submittal of the Bid, a Bidder offering to sell supplies, materials, services, or equipment to Williamson County certifies that the Bidder has not violated the antitrust laws of this state codified in Section 15.01, et seq, Business & Commerce Code, or the Federal Antitrust Laws, and has not communicated directly or indirectly the offer made to any competitor or any other person engaged in such line of business. Any or all Bids may be rejected if Williamson County believes that collusion exists among the Bidders.

3.2.5 Funding

Williamson County intends to budget and make sufficient funds available and authorize funds for expenditure to finance the costs of the Contract. Bidders understand and agree that the County's payment of amounts under the Contract shall be contingent on Williamson County receiving appropriations or other expenditure authority sufficient to allow the County, in the exercise of reasonable administrative discretion, to make payments under this Contract.

3.2.6 Assignment, Successors and Assigns

The Successful Bidder may not assign, sell, or otherwise transfer the Contract or any other rights or interests obtained under the Contract without written permission of the Williamson County Commissioners Court. The Contract and any ensuing Agreement shall be binding upon and inure to the benefit of the contracting parties hereto and their respective successors and permitted assigns.

3.2.7 Implied Requirements

Products or services not specifically described or required in the IFB, but are necessary to provide the functional capabilities described by the Bidder, shall be implied and deemed to be included in the Bid.

3.2.8 Termination

- a) **Termination for Cause:** Williamson County reserves the right to terminate the Contract and/or any ensuing Agreement for default if the Successful Bidder breaches any of the IFB Specifications, Terms and Conditions, including warranties of Bidder, if any, or if the Successful Bidder becomes insolvent or commits acts of bankruptcy. Such right of termination is in addition to and not in lieu of any other remedies Williamson County may have at law or in equity or as may otherwise be provided hereunder. Default may be construed as, but not limited to, failure to deliver the proper goods and/or services within the proper amount of time, and/or to properly perform any and all other requirements to Williamson County's satisfaction, and/or to meet all other obligations and requirements.
- b) **Termination for Convenience:** Williamson County may terminate the Contract and/or any ensuing Agreement for convenience and without cause or further liability, upon no less than thirty (30) calendar day's written notice to Successful Bidder. Williamson County reserves the right to extend this period if it is in the best interest of the County. In the event Williamson County exercises its right to terminate without cause, it is understood and agreed that only the amounts due to the Successful Bidder for goods, commodities and/or services provided and expenses incurred to and including the date of termination, will be due and payable. No penalty will be assessed for Williamson County's termination for convenience.

3.2.9 Non-Performance

It is the objective of Williamson County to obtain complete and satisfactory performance of the requirements set forth herein. In addition to any other remedies available at law, in equity or that may be set out herein, failure to perform may result in a deduction of payment equal to the amount of the goods and/or services that were not provided and/or performed to Williamson County's satisfaction. In the event of such non-performance, Williamson County shall have the right, but shall not be obligated, to complete the services itself or by others and/or purchase the goods from other sources. If Williamson County elects to acquire the goods or perform the services itself or by others, pursuant to the foregoing, the Successful Bidder shall reimburse Williamson County, within ten (10) calendar days of demand, for all costs incurred by Williamson County (including, without limitation, applicable, general, and administrative expenses, and field overhead, and the cost of necessary equipment, materials, and field labor) in correcting the nonperformance which the Successful Bidder fails to meet pursuant to the requirements set out herein. In the event the Successful Bidder refuses to reimburse Williamson County as set out in this provision, Williamson County shall have the right to deduct such reimbursement amounts from any amounts that may be then owing or that may become owing in the future to the Successful Bidder.

3.2.10 Proprietary Information and Texas Public Information Act

All material submitted to Williamson County shall become public property and subject to the Texas Public Information Act upon receipt. If a Bidder does not desire proprietary information in the Bid to be disclosed, each page must be clearly identified and marked proprietary at time of submittal or, more preferably, all proprietary information may be placed in a folder or appendix and be clearly identified and marked as being proprietary. Williamson County will, to the extent allowed by law, endeavor to protect from public disclosure the information that has been identified and marked as proprietary. The final decision as to what information must be disclosed, however, lies with the Texas Attorney General. Failure to clearly identify and mark information as being proprietary as set forth under this provision will result in all unmarked information being deemed non-proprietary and available to the public. For all information that has not been clearly identified and marked as proprietary by the Bidder, Williamson County may choose to place such information on the County's website and/or a similar public database without obtaining any type of prior consent from the Bidder.

To the extent, if any, that any provision in this IFB or in the Bidder's Bid is in conflict with Tex. Gov't Code 552.001 et seq., as amended (the "Public Information Act"), the same shall be of no force or effect. Furthermore, it is expressly understood and agreed that Williamson County, its officers and employees may request advice, decisions and opinions of the Attorney General of the State of Texas in regard to the application of the Public Information Act to any items or data furnished to Williamson County as to whether or not the same are available to the public. It is further understood that Williamson County's officers and employees shall have the right to rely on the advice, decisions and opinions of the Attorney General, and that Williamson County, its officers and employees shall have no liability or obligation to any party hereto for the disclosure to the public, or to any person or persons, of any items or data furnished to Williamson County by a party hereto, in reliance of any advice, decision or opinion of the Attorney General of the State of Texas.

3.2.11 Right to Audit

Successful Bidder agrees that Williamson County or its duly authorized representatives shall, until the expiration of three (3) years after termination or expiration of the services to be performed, have access to and the right to examine and photocopy any and all books, documents, papers and records of Successful Bidder, which are directly pertinent to the services to be performed or goods to be delivered for the purposes of making audits, examinations, excerpts and transcriptions. Successful Bidder agrees that Williamson County shall have access during normal working hours to all necessary facilities and shall be provided adequate and appropriate work space in order to conduct audits in compliance with the provisions of this section. Williamson County shall give Successful Bidder reasonable advance notice of intended audits.

3.2.12 Testing and Inspections

Williamson County reserves the right to inspect and test equipment, supplies, materials and goods for quality and compliance with this IFB, and ability to meet the needs of the user. Demonstration units must be available for review. Should the goods or services fail to meet requirements and/or be unavailable for evaluation, Williamson County can deem the Bidder to be in breach and terminate the Contract and/or any ensuing Agreement(s).

3.2.13 Bid Preparation Cost

Cost of developing Bids is the sole responsibility of Bidders and shall not be charged to Williamson County. There is no expressed or implied obligation for Williamson County to reimburse Bidders for any expense incurred in preparing a Bid in response to this IFB and Williamson County will not reimburse Bidders for such expenses.

3.2.14 INDEMNIFICATION

SUCCESSFUL BIDDER SHALL INDEMNIFY, DEFEND AND SAVE HARMLESS WILLIAMSON COUNTY, ITS OFFICIALS, EMPLOYEES, AGENTS AND AGENTS' EMPLOYEES FROM AND AGAINST ALL CLAIMS, LIABILITY, AND EXPENSES, INCLUDING REASONABLE ATTORNEYS' FEES, ARISING FROM ACTIVITIES OF BIDDER, ITS AGENTS, SERVANTS OR EMPLOYEES, PERFORMED HEREUNDER THAT RESULT FROM THE NEGLIGENT ACT, ERROR, OR OMISSION OF BIDDER OR ANY OF BIDDER'S AGENTS, SERVANTS OR EMPLOYEES, AS WELL AS ALL CLAIMS OF LOSS OR DAMAGE TO THE BIDDER'S AND WILLIAMSON COUNTY'S PROPERTY, EQUIPMENT, AND/OR SUPPLIES.

FURTHERMORE, WILLIAMSON COUNTY, ITS OFFICIALS, EMPLOYEES, AGENTS AND AGENTS' EMPLOYEES SHALL NOT BE LIABLE FOR DAMAGES TO THE SUCCESSFUL BIDDER ARISING FROM ANY ACT OF ANY THIRD PARTY, INCLUDING, BUT NOT BEING LIMITED TO THEFT. SUCCESSFUL BIDDER FURTHER AGREES TO INDEMNIFY, DEFEND AND SAVE HARMLESS WILLIAMSON COUNTY FROM, ITS OFFICIALS, EMPLOYEES, AGENTS AND AGENTS' EMPLOYEES AGAINST ALL CLAIMS OF WHATEVER NATURE ARISING FROM ANY ACCIDENT, INJURY, OR DAMAGE WHATSOEVER CAUSED TO ANY PERSON OR TO THE PROPERTY OF ANY PERSON OCCURRING IN RELATION TO SUCCESSFUL BIDDER'S PERFORMANCE OF ANY SERVICES REQUESTED HEREUNDER DURING THE TERM OF THE CONTRACT AND/OR ANY ENSUING AGREEMENT(S).

SUCCESSFUL BIDDER SHALL TIMELY REPORT ALL CLAIMS, DEMANDS, SUITS, ACTIONS, PROCEEDINGS, LIENS OR JUDGMENTS TO WILLIAMSON COUNTY AND SHALL, UPON THE RECEIPT OF ANY CLAIM, DEMAND, SUIT, ACTION, PROCEEDING, LIEN OR JUDGMENT, NOT LATER THAN THE FIFTEENTH (15TH) DAY OF EACH MONTH; PROVIDE WILLIAMSON COUNTY WITH A WRITTEN REPORT ON EACH SUCH MATTER, SETTING FORTH THE STATUS OF EACH MATTER, THE SCHEDULE OR PLANNED PROCEEDINGS WITH RESPECT TO EACH MATTER AND THE COOPERATION OR ASSISTANCE, IF ANY, OF WILLIAMSON COUNTY REQUIRED BY SUCCESSFUL BIDDER IN THE DEFENSE OF EACH MATTER. SUCCESSFUL BIDDER'S DUTY TO DEFEND, INDEMNIFY AND HOLD WILLIAMSON COUNTY HARMLESS SHALL BE ABSOLUTE. IT SHALL NOT ABATE OR END BY REASON OF THE EXPIRATION OR TERMINATION OF THE CONTRACT AND/OR ANY ENSUING AGREEMENT(S) UNLESS OTHERWISE AGREED BY WILLIAMSON COUNTY IN WRITING. THE PROVISIONS OF THIS SECTION SHALL SURVIVE THE TERMINATION OF THE CONTRACT AND SHALL REMAIN IN FULL FORCE AND EFFECT WITH RESPECT TO ALL SUCH MATTERS NO MATTER WHEN THEY ARISE.

IN THE EVENT OF ANY DISPUTE BETWEEN THE PARTIES AS TO WHETHER A CLAIM, DEMAND, SUIT, ACTION, PROCEEDING, LIEN OR JUDGMENT APPEARS TO HAVE BEEN CAUSED BY OR APPEARS TO HAVE ARISEN OUT OF OR IN CONNECTION WITH ACTS OR OMISSIONS OF WILLIAMSON COUNTY, BIDDER SHALL NEVER-THE- LESS FULLY DEFEND SUCH CLAIM, DEMAND, SUIT, ACTION, PROCEEDING, LIEN OR JUDGMENT UNTIL AND UNLESS THERE IS A DETERMINATION BY A COURT OF COMPETENT JURISDICTION THAT THE ACTS AND OMISSIONS OF BIDDER ARE NOT AT ISSUE IN THE MATTER.

SUCCESSFUL BIDDER'S INDEMNIFICATION SHALL COVER, AND SUCCESSFUL BIDDER AGREES TO INDEMNIFY WILLIAMSON COUNTY, IN THE EVENT WILLIAMSON COUNTY IS FOUND TO HAVE BEEN NEGLIGENT FOR HAVING

SELECTED SUCCESSFUL BIDDER TO PER THE WORK DESCRIBED IN THIS REQUEST. THE PROVISION BY SUCCESSFUL BIDDER OF INSURANCE SHALL NOT LIMIT THE LIABILITY OF SUCCESSFUL BIDDER UNDER THE CONTRACT AND/OR ANY ENSUING AGREEMENT.

3.2.15 Waiver of Subrogation

Successful Bidder and Successful Bidder's insurance carrier waive any and all rights whatsoever with regard to subrogation against Williamson County as an indirect party to any suit arising out of personal or property damages resulting from the Bidder's performance under this Contract and any ensuing Agreement.

3.2.16 Relationship of the Parties

The Successful Bidder shall be an independent contractor and shall assume all of the rights, obligations, liabilities, applicable to it as such independent contractor hereunder and any provisions herein which may appear to give Williamson County the right to direct the Successful Bidder as to details of doing work herein covered or to exercise a measure of control over the work shall be deemed to mean that the Successful Bidder shall follow the desires of Williamson County in the results of the work only. Williamson County shall not retain or have the right to control the Successful Bidder's means, methods or details pertaining to the Successful Bidder's performance of the work. Williamson County and the Successful Bidder hereby agree and declare that the Successful Bidder is an independent contractor and as such meets the qualifications of an "Independent Contractor" under Texas Workers Compensation Act, Texas Labor Code, Section 406.141, that the Successful Bidder is not an employee of Williamson County, and that the Successful Bidder and its employees, agents and sub- contractors shall not be entitled to workers compensation coverage or any other type of insurance coverage held by Williamson County.

3.2.17 Sole Provider

The Successful Bidder agrees and acknowledges that it shall not be considered a sole provider of the goods and/or services described herein and that Williamson County may contract with other providers of such goods and/or services if Williamson County deems, at its sole discretion, that multiple providers of the same goods and/or services will serve the best interest of Williamson County.

3.2.18 Force Majeure

If the party obligated to perform is prevented from performance by an act of war, order of legal authority, act of God, or other unavoidable cause not attributable to the fault or negligence of said party, the other party shall grant such party relief from the performance. The burden of proof for the need of such relief shall rest upon the party obligated to perform. To obtain release based on force majeure, the party obligated to perform shall file a written request with the other party.

3.2.19 Severability

If any provision of this IFB, the Contract or any ensuing Agreement shall be held invalid or unenforceable by any court of competent jurisdiction, such holding shall not invalidate or render unenforceable any other provision thereof, but rather the entire IFB, Contract or any ensuing Agreement will be construed as if not containing the particular invalid or unenforceable provision or provisions, and the rights and obligation of the parties shall be construed and enforced in accordance therewith. The parties acknowledge that if any provision of this IFB, the Contract or any ensuing Agreement is determined to be invalid or unenforceable, it is the desire and intention of each that such provision be reformed and construed in such a manner that it will, to the maximum extent practicable, give effect to the intent of this IFB, the Contract or any ensuing Agreement and be deemed to be validated and enforceable.

3.2.20 Equal Opportunity

Neither party shall discriminate against any employee or applicant for employment because of race, color, sex, religion or national origin.

3.2.21 Notice

Any notice to be given shall be in writing and may be affected by personal delivery, or by registered or certified mail, return receipt requested, addressed to the proper party, at the following address:

Williamson County Purchasing Department Purchasing Agent 901 South Austin Avenue Georgetown, Texas 78626

Bidder: Address set out in IFB referred to as the Bid Affidavit.

Notices given in accordance with this provision shall be effective upon (i) receipt by the party to which notice is given, or (ii) on the third

3.2.22 Sales and Use Tax Exemption

Williamson County is a body corporate and politic under the laws of the State of Texas and claims exemption from sales and use taxes under Texas Tax Code Ann. § 151.309, as amended, and the services and/or goods subject hereof are being secured for use by Williamson County.

3.2.23 Compliance with Laws

Williamson County and Successful Bidder shall comply with all federal, state, and local laws, statutes, ordinances, rules and regulations, and the orders and decrees of any courts or administrative bodies or tribunals in any matter affecting the performance of the Contract and any ensuing Agreement, including, without limitation, Workers' Compensation laws, salary and wage statutes and regulations, licensing laws and regulations. When required, the Successful Bidder shall furnish Williamson County with certification of compliance with said laws, statutes, ordinances, rules, regulations, orders, and decrees above specified.

3.2.24 Incorporation of Schedules, Exhibits, Appendices & Attachments

All of the Schedules, Exhibits, Appendices and Attachments referred to herein are incorporated by reference as if set forth verbatim herein. All of the Schedules, Exhibits, Appendices and Attachments referred to herein are incorporated by reference as if set forth verbatim herein. Any conflicting terms in the contract documents will be resolved at the sole discretion of the Williamson County Commissioners Court.

3.2.25 No Waiver of Immunities

Nothing herein shall be deemed to waive, modify or amend any legal defense available at law or in equity to Williamson County, its past or present officers, employees, or agents, nor to create any legal rights or claim on behalf of any third party. Williamson County does not waive, modify, or alter to any extent whatsoever the availability of the defense of governmental immunity under the laws of the State of Texas and of the United States.

3.2.26 No Waiver

The failure or delay of any party to enforce at any time or any period of time any of the provisions of this IFB, the Contract or any ensuing Agreement shall not constitute a present or future waiver of such provisions nor the right of either party to enforce each and every provision. Furthermore, no term or provision hereof shall be deemed waived and no breach excused unless such waiver or consent shall be in writing and signed by the party claimed to have waived or consented. Any consent by any party to, or waiver of, a breach by the other, whether expressed or implied, shall not constitute a consent to, waiver of or excuse for any other, different or subsequent breach.

3.2.27 Current Revenues

The obligations of the parties under the Contract and any ensuing Agreement do not constitute a general obligation or indebtedness of Williamson County for which Williamson County is obligated to levy, pledge, or collect any of taxation. It is understood and agreed that Williamson County shall have the right to terminate the Contract and any ensuing Agreement at the end of any Williamson County fiscal year if the governing body of Williamson County does not appropriate sufficient funds as determined by Williamson County's budget for the fiscal year in question. Williamson County may effect such termination by giving written notice of termination to the Successful Bidder at the end of its then-current fiscal year.

3.2.28 FOB – Destination

To the extent applicable to this IFB, all of the items listed are to be Free On Board to final destination (FOB Destination) with all transportation charges if applicable to be included in the Bid, unless otherwise specified in the Invitation for Bids. The title and risk of loss of the goods shall not pass to Williamson County until receipt and acceptance takes place at the FOB Destination point.

3.2.29 Binding Effect

This Contract and any ensuing Agreement shall be binding upon and inure to the benefit of the parties and their respective permitted assigns and successors.

3.2.30 Assignment

The Successful Bidder's interest and duties hereunder may not be assigned or delegated to a third party without the express written consent of Williamson County.

3.2.31 Safety

Successful Bidder is responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with any services to be provided hereunder. The safety program shall comply with all applicable requirements of the current federal Occupational Safety and Health Act and all other applicable federal, state and local laws and regulations.

3.2.32 General Obligations and Reliance

Successful Bidder shall perform all services and/or provide all goods, as well as those reasonably inferable and necessary for completion and provision of services and/or goods required hereunder. The Successful Bidder shall keep Williamson County informed of the progress and quality of the services. Successful Bidder agrees and acknowledges that Williamson County is relying on Successful Bidder's represented expertise and ability to provide the goods and/or services described herein. Successful Bidder agrees to use its best efforts, skill, judgment, and abilities to perform its obligations in accordance with the highest standards used in the profession and to further the interests of Williamson County in accordance with Williamson County's requirements and procedures. Successful Bidder's duties as set forth herein shall at no time be in any way diminished by reason of any approval by the Williamson County nor shall the Successful Bidder be released from any liability by reason of such approval by Williamson County, it being understood that Williamson County at all times is ultimately relying upon the Successful Bidder's skill and knowledge in performing the services and providing any goods required hereunder.

3.2.33 Estimated Quantities

To the extent applicable to this IFB, the estimated quantity of each item listed in this IFB is only an estimate -- the actual quantity to be purchased may be more or less. Williamson County is not obligated to purchase any minimum amount, and Williamson County may purchase any reasonable amount greater than the estimate for the same unit price. Any limit on quantities available must be stated expressly in the Bid.

3.2.34 Contractual Development

The contents of the IFB and the selected Bid will become an integral part of the Contract, but may be modified, at Williamson County's sole discretion, by provisions of an ensuing Agreement. Therefore, the Bidder must agree to inclusion in an ensuing Agreement of the Bid Specifications, Terms and Conditions of this IFB. If an ensuing Agreement is required under this IFB, information relative to the Agreement will be located in the Special Provisions Section of this IFB.

3.2.35 Survivability

All applicable agreements that were entered into between Successful Bidder and Williamson County under the terms and conditions of the Contract and/or any ensuing Agreement shall survive the expiration or termination thereof for ninety (90) days unless a new contract has been awarded.

3.2.36 Air Quality

In determining the overall best Bid, Williamson County may, to the extent applicable, exercise the following option granted to local governments under the Texas Local Government Code.

Option – TLGC § 271.907. This option allows Williamson County to evaluate Bids and give preference to goods and/or services of a Bidder that demonstrates that the Bidder meets or exceeds any and all state or federal environmental standards, including voluntary standards, relating to air quality. If the Bid being submitted will have an effect on air quality for Williamson County (as it relates to any state, federal, or voluntary air quality standard), then the Bidder is encouraged to provide information in narrative indicating the anticipated air quality impact. Bidders are expected to meet all mandated state and federal air quality standards.

3.2.37 Entire Agreement

The Contract and any ensuing Agreement shall supersede all prior Agreements, written or oral between the Successful Bidder and Williamson County and shall constitute the entire Agreement and understanding between the parties with respect to the services and for

3.2.38 Payment

Williamson County's payment for goods and services shall be governed by Chapter 2251 of the Texas Government Code. An invoice shall be deemed overdue the 31st day after the later of (1) the date Williamson County receives the goods under the Contract; (2) the date the performance of the service under the Contract is completed; or (3) the date the Williamson County Auditor receives an invoice for the goods or services. Interest charges for any overdue payments shall be paid by Williamson County in accordance with Texas Government Code Section 2251.025. More specifically, the rate of interest that shall accrue on a late payment is the rate in effect on September 1 of Williamson County's fiscal year in which the payment becomes due. The said rate in effect on September 1 shall be equal to the sum of one percent (1%); and (2) the prime rate published in the Wall Street Journal on the first day of July of the preceding fiscal year that does not fall on a Saturday or Sunday.

In the event that an error appears in an invoice submitted by Successful Bidder, Williamson County shall notify Successful Bidder of the error not later than the twenty first (21st) day after the date Williamson County receives the invoice. If the error is resolved in favor of Successful Bidder, Successful Bidder shall be entitled to receive interest on the unpaid balance of the invoice submitted by Successful Bidder beginning on the date that the payment for the invoice became overdue. If the error is resolved in favor of Williamson County, Successful Bidder shall submit a corrected invoice that must be paid in accordance within the time set forth above. The unpaid balance accrues interest as provided by Chapter 2251 of the Texas Government Code if the corrected invoice is not paid by the appropriate date.

As a minimum, invoices shall include:

- a) Name, address, and telephone number of Successful Bidder and similar information in the event the payment is to be made to a different address
- b) Williamson County contract, Purchase Order, and/or delivery order number
- c) Identification of items or service as outlined in the Contract
- d) Quantity or quantities, applicable unit prices, total prices, and total amount
- e) Any additional payment information which may be called for by the Contract

Payment inquiries should be directed to the Williamson County Auditor's Office,
Accounts Payable Department: accountspayable@wilco.org , 512-943-1500.

3.2.39 Contractual Formation and Ensuing Agreement

The IFB and the Bidder's Bid, when properly accepted by the Williamson County Commissioners Court, shall constitute a contract equally binding between the Successful Bidder and Williamson County.

If an ensuing Agreement is required by this IFB, that information will be provided in Special Provisions section of this IFB. The Successful Bidder shall be required to execute the Agreement at the Williamson County Purchasing Department approximately ten (10) calendar days after the Successful Bidder is notified of award. The ensuing Agreement shall be in the same form as the Agreement which is attached to the end of this IFB. The only anticipated changes in the ensuing Agreement will be to include additional exhibits, to fill in blanks to identify the Successful Bidder, and terms relating to the compensation, or to revise the Agreement to accommodate corrections, changes in the scope of services, or changes pursuant to Addenda issued. **Bidders should raise any questions regarding the terms of the Agreement in the of written questions or submittals as described in the Public Announcement and General Information portion of this IFB.** Because the signed ensuing Agreement will be substantively and substantially derived from the attached Agreement, each Bidder is urged to seek independent legal counsel as to any questions about the terms, conditions or provisions contained in the Agreement **before** submitting a Bid. Again, the attached Agreement contains important legal provisions and is considered part and parcel of this IFB. Failure or refusal to sign aforesaid Agreement shall be grounds for Williamson County to revoke any award which has been issued, forfeit Bid security, if applicable, and select another Bidder.

3.2.40 Cooperative Purchasing Program

During the term of the Contract resulting from this IFB, Williamson County would like to afford the same prices, terms and conditions to other political subdivisions or public entities. Another entity's participation in the Contract resulting from this Invitation to Bid is subject to a properly authorized Purchasing Cooperative Inter-local Agreement with Williamson County. Any liability created by Purchase Orders issued against the Contract shall be the sole responsibility of the governmental agency placing the order.

3.2.41 Insurance Requirements

To the extent applicable Insurance information will appear in the Special Provisions section of this IFB.

3.2.42 Bidders Bond, Warranty Bond, Performance and Payment Bonds

To the extent applicable Bond information will appear in the Special Provisions section of this IFB.

3.2.43 Legal Liability Information

The Successful Bidder shall disclose all legal liability information by listing any pending litigation or anticipated litigation that your firm is involved in, including but not limited to, potential or actual legal matters with private parties and any local, State, Federal or international governmental entities. Williamson County reserves the right to consider legal liability information in the recommendation of any proposed contract to the Williamson County Commissioners Court.

3.2.44 Inclement Weather

In case of inclement weather or any other unforeseen event causing the County to close for business on the date of a bid/proposal submission deadline, the bid closing will automatically be postponed until the next business day the County is open. If inclement weather conditions or any other unforeseen event causes delays in carrier service operations, the County may issue an addendum to all known vendors interested in the project to extend the deadline. It will be the responsibility of the vendor to notify the County of their interest in the project if these conditions are impacting their ability to turn in a submission within the stated deadline. The County reserves the right to make the final judgment call to extend any deadline.

CONFLICT OF INTEREST QUESTIONNAIRE**For vendor or other person doing business with local governmental entity****Form CIQ**

This questionnaire is being filed in accordance with chapter 176 of the Local Government Code by a person doing business with the governmental entity.

By law this questionnaire must be filed with the records administrator of the local government 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 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 doing business 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 September 1 of the year for which an activity described in Section 176.006(a), Local Government Code, is pending and not later than the 7th business day after the date the originally filed questionnaire becomes incomplete or inaccurate.)

3

Describe each affiliation or business relationship with an employee or contractor of the local governmental entity who makes recommendations to a local government officer of the local governmental entity with respect to expenditure of money.

	5
	6

4

Describe each affiliation or business relationship with a person who is a local government officer and who appoints or employs a local government officer of the local governmental entity that is the subject of this questionnaire.

	5
	6

CONFLICT OF INTEREST QUESTIONNAIRE **For vendor or other person doing business with local governmental entity**

Form CIQ
Page 2

5

Name of local government officer with whom filer has affiliation or business relationship.
(Complete this section only if the answer to A, B, or C is YES.)

This section, item 5 including subparts A, B, C & D, must be completed for each officer with whom the filer has affiliation or other relationship. 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 from the filer of the questionnaire?

☐ Yes ☐ No

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

☐ Yes ☐ No

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

☐ Yes ☐ No

D. Describe each affiliation or business relationship.

	5
	6

6. Describe any other affiliation or business relationship that might cause conflict of interest:

	5
	6

7

Signature of person doing business with the governmental entity

Date

Signature not required if completing in BIDSYNC electronically.

List the last (3) companies or governmental agencies, where the same or similar goods and/or services as contained in this IFB package, were recently provided by Bidder.

Reference 1

Client Name:

Location:

Contact Name:

Title:

Phone:

E-mail

Contract Date To:

Contract Date From:

Contract Value: \$

Scope of Work:

Reference 2

Client Name:

Location:

Contact Name:

Title:

Phone:

E-mail

Contract Date To:

Contract Date From:

Contract Value: \$

Scope of Work:

Reference 3

Client Name:

Location:

Contact Name:

Title:

Phone:

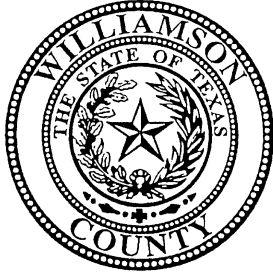
E-mail

Contract Date To:

Contract Date From:

Contract Value: \$

Scope of Work:



Agreement for Construction Services (Break Room Remodel for Williamson County Justice Center)

This Agreement ("Agreement") between Williamson County, Texas, a political subdivision of the State of Texas ("Owner") and [REDACTED] ("Contractor") is entered into in accordance with the following terms and conditions:

ARTICLE 1 SCOPE OF WORK: The Owner desires to retain Contractor to provide the construction services described herein. The Contractor shall have the overall responsibility for and shall provide complete construction services and furnish all materials, equipment, tools and labor as necessary or reasonably inferable to complete the following described construction services, or any phase of such services, in accordance with the Owner's requirements and the terms of this Agreement (hereinafter collectively referred to as the "Work"):

As described in the Invitation for Bid #1601-048, including the specifications set forth in the attached Exhibit "A", which is incorporated herein as if copied in full.

ARTICLE 2 CONTRACT PRICE: Owner agrees to pay to the Contractor, for the satisfactory performance of the Work, the sum of [REDACTED] (\$) in accordance with the terms and conditions of this Agreement.

ARTICLE 3 PLANS AND SPECIFICATIONS: The Work shall be performed pursuant to and in accordance with the following described plans and specifications, as well as any revisions made thereto:

As described in the Invitation for Bid #1601-048, including any exhibits, which is incorporated herein as if copied in full.

Additional Work: Should Owner choose to add additional work, such additional work shall be described in a separate written amendment to this Agreement wherein the additional work shall be described and the parties shall set forth the amount of compensation to be paid by Owner for the additional work. Contractor shall not begin any additional work and Owner shall not be obligated to pay for any additional work unless a written amendment to this Agreement has been signed by both parties.

ARTICLE 4 SUBSTANTIAL AND FINAL COMPLETION:

4.1 Commencement of Work. Contractor shall commence the Work upon instruction to do so from the Owner and Construction shall be deemed to have commenced on the date of such instruction.

4.2 Substantial Completion. "Substantial Completion" means the stage in the progress of the Work when the Work, or designated portions thereof, may still require minor modifications or adjustments but,

in the Owner's opinion, the Work has progressed to the point such that all parts of the Work under consideration are fully operational and usable for intended purposes, as evidenced by a Certificate of Substantial Completion approved by the Owner. If a Certificate of Occupancy is required by public authorities having jurisdiction over the Work, said certificate shall be issued before the Work or any portion thereof is considered substantially complete. When the Contractor considers that the Work, or a portion thereof which the Owner agrees to accept separately, is substantially complete, the Contractor shall notify Owner's Designated Representative (sometimes referred to as the "ODR") and request a determination as to whether the Work or designated portion thereof is substantially complete. If the ODR does not consider the Work substantially complete, the ODR will notify the Contractor giving reasons therefore. Failure on the Owner's part to list a reason does not alter the responsibility of the Contractor to complete all Work in accordance with the terms of this Agreement. After satisfactorily completing items identified by Owner's Designated Representative, the Contractor shall then submit another request for the ODR to determine Substantial Completion. If The ODR considers the Work substantially complete, The ODR will prepare and deliver a certificate of Substantial Completion which shall establish the date of Substantial Completion, shall include a punch list of items to be completed or corrected before final completion and final payment, shall establish the time within which the Contractor shall finish the punch list, and shall establish responsibilities of the Owner and the Contractor for security, maintenance, heat, utilities, damage to the Work, warranty and insurance. Failure to include an item on the punch list does not alter the responsibility of the Contractor to complete all Work in accordance with the terms and conditions of this Agreement. The certificate of Substantial Completion shall be signed by the Owner and the Contractor to evidence acceptance of the responsibilities assigned to them in such certificate.

Substantial Completion (as defined in this agreement) for all stages of the Work shall be achieved on or before the following Substantial Completion date:

DATE FOR SUBSTANTIAL COMPLETION: Ninety (90) calendar days after the date of County's Notice to Proceed.

4.3 Final Completion. The Work shall be fully and finally completed within One Hundred Twenty (120) calendar days the date of County's Notice to Proceed; provided, however, Owner may extend said time period in the event bad weather affects the progress of the Work. Owner shall, at its sole discretion, determine when the Work has been fully and finally completed to its satisfaction.

4.4 Liquidated Damages. For each consecutive calendar day after the date of Substantial Completion that the Work is not Substantially Complete, the Owner may deduct the amount of Three Hundred Dollars per day (\$300.00/day) from any money due or that becomes due the Contractor, not as a penalty but as liquidated damages representing the parties' estimate at the time of contract execution of the damages that the Owner will sustain for late completion. The parties stipulate and agree that calculating Owner's actual damages for late completion of the Work would be impractical, unduly burdensome, and cause unnecessary delay and that the amount of daily liquidated damages set forth is reasonable.

ARTICLE 5 PAYMENT:

On or before the first Wednesday of each month, the Contractor shall submit to the ODR a statement showing the total value of the work performed up to and including the last day of the preceding month. The statement shall also include the value of all sound materials delivered on the Work site and to be included in the Work and all partially completed Work, whether bid as a lump sum or a unit item, which in the opinion of the ODR is acceptable. The ODR shall examine and approve or modify and approve such statement. The Owner shall then pay the Contractor on or before the 25th day of the following month the total amount of the approved statement less all previous payments and all further sums that may be retained by the Owner under the terms of this Agreement or under the law.

At any time following the completion of all Work, including all punch list items, cleanup, and the delivery of record documents, the Contractor shall submit a certified application for final payment, including all sums held as retainage if any, to the ODR for its review and approval. Contractor shall submit, prior to or with the application for final payment, final copies of all close out documents, including maintenance and operating instructions, guarantees and warranties, certificates, and all other items required by this Agreement. Contractor shall also submit consent of surety to final payment, an affidavit that all payrolls, bills for materials and equipment, subcontracted work and other indebtedness connected with the Work, except as specifically noted, have been paid or will be paid or otherwise satisfied within the period of time required by Chapter 2251, Texas Government Code. Contractor shall furnish documentation establishing payment or satisfaction of all such obligations, such as receipts, releases and waivers of claims arising out of the Agreement. Owner is entitled to rely upon this affidavit and the Contractor may not submit a claim on behalf of a subcontractor or vendor if that claim has not been noted as an exception in the affidavit.

Owner may deduct from the final payment all sums due from Contractor for any reason, Liquidated Damages and all other deductions authorized by this Agreement. If the certificate of final completion notes any Work remaining incomplete or defects not remedied, the Owner may deduct the reasonable cost of remedying such deficiencies from the final payment. If such deductions are made, Owner shall identify each deduction made and the reason for each deduction, and furnish Contractor with an explanation of the deduction and the amount deducted on or by the 21st day after Owner's receipt of an approved or deemed approved application for final payment.

Final Payment shall become due and payable by Owner, subject to all allowable offsets and deductions, on the 31st day next following Owner's approval of the application for payment. If Contractor disputes any amount deducted by the Owner, Contractor shall give notice of the dispute on or before the 30th day next following receipt of final payment; failure to do so will bar any subsequent claim for payment of amounts deducted.

Final payment shall constitute a waiver of all claims by the Contractor except those specifically identified in writing and submitted to the ODR prior to the application for final payment. Provided, however, that the Work shall not be deemed fully performed by the Contractor and closed until the expiration of all warranty periods.

ARTICLE 6 CONTRACTOR'S GENERAL RESPONSIBILITIES AND COVENANTS:

6.1 Contractor shall perform all services specifically allocated to it hereunder, as well as those services reasonably inferable and necessary for completion of the Work. The Contractor shall keep the Owner informed of the progress and quality of the Work. Contractor agrees and acknowledges that Owner is entering into this Agreement in reliance on Contractor's represented expertise and ability to provide the Work described in this Agreement. Contractor agrees to use its best efforts, skill, judgment, and abilities to perform its obligations in accordance with the highest standards used in the profession and to further the interests of Owner in accordance with Owner's requirements and procedures. Contractor's duties as set forth herein shall at no time be in any way diminished by reason of any approval by the Owner nor shall the Contractor 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 Contractor's skill and knowledge in performing the services required hereunder.

6.2 Contractor is responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the Work. The safety program shall comply with all applicable requirements of the current federal Occupational Safety and Health Act and all other applicable federal, state and local laws and regulations.

6.3 Contractor shall be an independent contractor under this Agreement and shall assume all of the rights, obligations, liabilities, applicable to it as such independent contractor hereunder and any provisions in this agreement which may appear to give Owner the right to direct Contractor as to details of doing the Work herein covered or to exercise a measure of control over the Work shall be deemed to mean that Contractor shall follow the desires of Owner in the results of the Work only. Owner shall not retain or have the right to control the Contractor's means, methods or details pertaining to the Contractor's performance of the Work described herein, nor shall Owner have the power to direct the order in which Contractor's Work is performed under this agreement. Owner and Contractor hereby agree and declare that Contractor is an Independent Contractor and as such meets the qualifications of an Independent Contractor under Texas Worker's Compensation Act, Texas Labor Code, Section 406.141, that the Contractor is not an employee of Owner for purposes of this Agreement, and that the Contractor and its employees, agents and sub-subcontractors shall not be entitled to worker's compensation coverage or any other type of insurance coverage held by Owner.

6.4 As part of Contractor obligation to coordinate the Work, Contract shall:

- a. cooperate with the ODR and endeavor to further the interests of the Owner and the Work;
- b. provide an on-site, full-time superintendent for the duration of the Work;
- c. visit the Work site and inspect the existing facilities, systems and conditions to insure an accurate understanding of the existing conditions as required;
- d. at Owner's request, attend public meetings and hearings concerning the development of the Work;
- e. review all drawings, specifications, and other plans as they are developed by the Owner and/or its architect and advise Owner of any error, inconsistency or omission discovered in the drawings, specifications, and other plans;
- f. review the drawings, specifications, and other plans for compliance with all applicable laws and code requirements;
- g. advise Owner of any tests that should be performed;
- h. organize and maintain a competent, full-time staff at the Work site with clearly defined lines of authority and communication as necessary to coordinate construction activities, monitor and direct progress of the Work;
- i. attend Owner's regularly scheduled Work progress meetings and fully advise the ODR of the Work status including schedule, costs, quality and changes;

- j. assist Owner in obtaining building permits and obtain special permits for permanent improvements as required by law; and
- k. shall coordinate, monitor and inspect the Work of subcontractors to ensure conformance with the drawings, specifications, other plans and with the terms of this Agreement.

6.5 Contractor shall identify every subcontractor it intends to use for the Work to the Owner in writing at least ten (10) days before entering into any subcontract. Contractor shall not use any subcontractor to which Owner has a reasonable objection. If Owner does not object to a particular subcontractor with said ten (10) days, such subcontract may be considered acceptable to Owner. Following Owner's acceptance of a subcontractor, that subcontractor shall not be changed without Owner's written consent, which shall not be unreasonably withheld.

6.6 Contractor's designated representative, which is set forth below Contractor's signature herein below, shall be responsible for the day-to-day management of the Work on behalf of Contractor. The designated representative shall be the Owner's primary contact during the Work and shall be available as required for the benefit of the Work and the Owner. The contractor's designated representative shall be authorized to act on behalf of and bind the Contractor in all matters related to the Work including, but not limited to, execution of Change Orders.

6.7 NO ALTERATIONS OR CHANGES SHALL BE MADE, HOWEVER, EXCEPT UPON THE WRITTEN ORDER OF THE OWNER, OR THE ODR.

6.8 Contractor shall promptly correct any defective Work at Contractor's sole expense, unless the Owner specifically agrees, in writing, to accept the Work.

6.9 Contractor shall maintain and deliver the close out documents that describe changes or deviations from the original drawings, specifications and plans that occurred during construction and that reflect the actual "As Built" conditions of the completed Work.

COMMISSIONING AND WARRANTY RESPONSIBILITIES

6.10 Contractor shall provide commissioning, starting and check-out services for the systems installed as a part of the Work prior to completion and acceptance. Operation manuals and instructions will be provided to the Owner, the systems will be demonstrated and training provided to Williamson County's operators upon completion and prior to acceptance.

6.11 Contractor hereby warrants that the materials and equipment provided for the Work will be of good quality and new unless otherwise required or permitted by the Owner; that the construction will be free from faults and defects; and that the construction will conform with the requirements of the plans, specifications, drawings and the terms of this Agreement.

ARTICLE 7 OWNER'S RESPONSIBILITIES

7.1 The Owner shall:

- a. provide the general schedule for the Work provided Owner is of the opinion such schedule is necessary. The general schedule will set forth the Owner's plan for milestone dates and completion of the Work;
- b. identify a person as its ODR who is authorized to act in the Owner's behalf with respect to the Work. The ODR shall examine the documents submitted by the Contractor and shall render decisions on behalf of the Owner to the extent allowed by Texas law;
- c. at Owner's cost, will secure the services of surveyors, soils engineers, existing facility surveys, testing and balancing, environmental surveys or other special consultants to develop such additional information as may be necessary for the design or construction of the Work;
- d. furnish required information and services and shall render approvals and decisions as expeditiously as is consistent with reasonable skill and care and the orderly progress of the Contractor's services and of the Work;
- e. shall have the right to reject any defective Work. Should Contractor refuse or neglect to correct any such Work within a reasonable time after notice, Owner may have the Work corrected and recover all expenses incurred from Contractor on demand; and
- f. Owner shall furnish to the Contractor a sufficient number of plans, drawings and specifications sets.

ARTICLE 8 INSURANCE AND INDEMNITY

8.1 Insurance. The Contractor shall carry insurance in the types and amounts indicated below for the duration of the Agreement, which shall include items owned by Owner in the care, custody and control of Contractor prior to and during construction. Contractor must also complete and file the declaration pages from the insurance policies with Owner whenever a previously identified policy period expires during the term of the Agreement, as proof of continuing coverage. Contractor shall update all expired policies prior to submission of any payment requests hereunder. Failure to update policies shall be reason for payment to be withheld until evidence for renewal is provided to the Owner.

8.1.1 The Contractor shall provide and maintain, until the Work covered in this Agreement is completed and accepted by the Owner, the minimum insurance coverage in the minimum amounts as described below. Coverage shall be written on an occurrence basis by companies authorized and admitted to do business in the State of Texas and rated A- or better by A.M. Best Company or otherwise acceptable to Owner.

Type of Coverage	Limits of Liability	
a. Worker's Compensation	Statutory	
b. Employer's Liability		
Bodily Injury by Accident	\$500,000 Ea. Accident	
Bodily Injury by Disease	\$500,000 Ea. Employee	
Bodily Injury by Disease	\$500,000 Policy Limit	
c. Comprehensive general liability including completed operations and contractual liability insurance for bodily injury, death, or property damages in the following amounts:		
COVERAGE	PER PERSON	PER OCCURRENCE

Comprehensive General Liability (including premises, completed operations and contractual)	\$1,000,000	\$1,000,000
---	-------------	-------------

Aggregate policy limits: \$1,000,000

- d. Comprehensive automobile and auto liability insurance (covering owned, hired, leased and non-owned vehicles):

COVERAGE	PER PERSON	PER OCCURRENCE
Bodily injury (including death)	\$1,000,000	\$1,000,000
Property damage	\$1,000,000	\$1,000,000
Aggregate policy limits	No aggregate limit	

- e. Umbrella coverage in the amount of not less than \$1,000,000.

8.1.2 The above insurance requirements are not intended to be compounded with the Contractor's standing insurance policies. If the Contractor already has in force insurance policies which provide the required coverage, there is no need to purchase duplicate coverage for this Work.

8.1.3 Policies must include the following clauses, as applicable.

- a. "This insurance shall not be canceled, limited in scope or coverage, or non-renewed until after thirty (30) days prior written notice, or ten (10) days for non-payment of premium, has been given to Williamson County."
- b. "It is agreed that the Contractor's insurance shall be deemed primary with respect to any insurance or self insurance carried by Williamson County for liability arising out of operations under the Agreement with Williamson County."
- c. "Williamson County, its officials, directors, employees, representatives, and volunteers are added as additional insured as respects operations and activities of, or on behalf of the named insured performed under Agreement with the Owner." This is not applicable to the workers' compensation policy.
- d. "The workers' compensation and employers' liability policy will provide a waiver of subrogation in favor of Williamson County."

8.1.4 Workers' Compensation Insurance Coverage:

In the event that Contractor employs any individual to perform any portion of the Work, Contractor shall comply with Texas Labor Code, §406.096, which requires workers' compensation insurance coverage for all employees providing services on a building or construction project for a governmental entity.

- a. Definitions:
 - (1) Certificate of Coverage ("certificate") - A copy of a certificate of insurance, a certificate of authority to self-insure issued by the Texas Workers' Compensation

Commission, or a coverage agreement (TWCC-81, TWCC-82, TWCC-83, or TWCC-84), showing statutory workers' compensation insurance coverage for the person's or entity's employees providing services on a project, for the Duration of the Work.

(2) Duration of the Work - includes the time from the beginning of the Work until the Work has been completed and accepted by the Owner.

(3) Coverage – Workers' compensation insurance meeting the statutory requirements of the Texas Labor Code, §401.011(44).

(4) Persons providing services relating to the Work ("subcontractor") - includes all persons or entities performing all or part of the services the Contractor has undertaken to perform the Work, regardless of whether that person contracted directly with the Contractor and regardless of whether that person has employees. This includes, without limitation, independent contractors, subcontractors, leasing companies, motor carriers, owner-operators, employees of any such entity, or employees of any entity which furnishes persons to provide services in relation to the Work. "Services" include, without limitation, providing, hauling, or delivering equipment or materials, or providing labor, transportation, or other service related to a project. "Services" does not include activities unrelated to the Work, such as food/beverage vendors, office supply deliveries, and delivery of portable toilets.

b. The Contractor shall provide Coverage, based on proper reporting of classification codes and payroll amounts and filing of any Coverage agreements, which meets the statutory requirements of Texas labor Code, §401.011(44) for all employees of the Contractor providing services in relation to the Work, for the Duration of the Work.

c. The Contractor must provide a Certificate of Coverage to the Owner prior to or contemporaneously with the execution of this Agreement.

d. If the Coverage period shown on the Contractor's current Certificate of Coverage ends during the Duration of the Work, the Contractor must, prior to the end of the Coverage period, file a new Certificate of Coverage with the Owner showing that Coverage has been extended.

e. The Contractor shall obtain from each person providing services in relation to the Work, and provide to the Owner:

(1) a Certificate of Coverage, prior to that person beginning any of the Work, so the Owner will have on file Certificates of Coverage showing Coverage for all persons providing services in relation to the Work; and

(2) no later than seven days after receipt by the Contractor, a new Certificate of Coverage showing extension of Coverage, if the Coverage period shown on the current Certificate of Coverage ends during the Duration of the Work.

f. The Contractor shall retain all required Certificates of Coverage for the Duration of the Work and for one year thereafter.

g. The Contractor shall notify the Owner in writing by certified mail or personal delivery, within 10 days after the Contractor knew or should have known, of any change that materially affects the provision of Coverage of any person providing services in relation to the Work.

h. The Contractor shall post on the Work site a notice, in the text, form and manner prescribed by the Texas Workers' Compensation Commission, informing all persons providing services in relation to the Work that they are required to be covered, and stating how a person may verify Coverage and report lack of Coverage.

i. By signing this Agreement or providing or causing to be provided a Certificate of Coverage, the Contractor is representing to the Owner that all employees of the Contractor who will provide services in relation to the Work and all persons providing services in relation to the Work will be covered by workers' compensation coverage for the Duration of the Work, that the coverage will be based on proper reporting of classification codes and payroll amounts, and that all coverage agreements will be filed with the appropriate insurance carrier or, in the case of a self-insured, with the commission's Division of Self-Insurance Regulation. Providing false or

misleading information may subject the Contractor to administrative penalties, criminal penalties, civil penalties, or other civil actions.

j. The Contractor's failure to comply with any of these provisions is a breach of Agreement by the Contractor which entitles the Owner to declare the Agreement void if the Contractor does not remedy the breach within ten (10) days after receipt of notice of breach from the Owner.

8.1.5 The furnishing of the above listed insurance coverage must be tendered prior to execution of the Agreement, and in no event later than ten (10) calendar days from Notice of Award. Failure to provide the insurance in a timely fashion may result in loss of Contractor's bid bond.

8.1.6 The Contractor shall not cause or allow any of its required insurance to be canceled, nor permit any insurance to lapse during the term of the Agreement or as required in the Agreement. If the Contractor fails to obtain, maintain or renew any insurance required by this Agreement, the Owner may, among other remedies available hereunder or at law, obtain insurance coverage directly and recover the cost of that insurance from the Contractor or declare this Agreement void if the Contractor does not remedy the breach within ten (10) days after receipt of notice of breach from the Owner.

8.1.7 The Owner reserves the right to review the insurance requirements set forth in this Article during the effective period of the Agreement and to make reasonable adjustments to the insurance coverage and their limits when deemed necessary and prudent by the Owner based upon changes in statutory law, court decisions, or the claims history of the industry as well as the Contractor.

8.1.8 The Owner shall be entitled, upon request, and without expense, to receive complete copies of the policies with all endorsements and may make any reasonable requests for deletion, or revision or modification of particular policy terms, conditions, limitations, or exclusions, except where policy provisions are established by law or regulation binding upon the Parties or the underwriter of any of such policies. Damages caused by the Contractor and not covered by insurance shall be paid by the Contractor.

8.1.9 Contractor shall be responsible for payment of premiums for all of the insurance coverages required under this Agreement. Contractor further agrees that for each claim, suit or action made against insurance provided hereunder, with respect to all matters for which the Contractor is responsible hereunder, Contractor shall be solely responsible for all deductibles and self-insured retentions. **Any deductibles or self-insured retentions over \$50,000 in the Contractor's insurance must be declared and approved in writing by Owner in advance.**

8.1.10 The Contractor shall contractually require each person or entity with whom it contracts to provide services in relation to the Work, to comply with each and every insurance requirement that Contractor must comply with hereunder. More specifically, each person or entity with whom Contractor contracts to provide services on the in relation to the Work must comply with each insurance requirement under this Article 8 just as if such person or entity was the Contractor. Thus, every reference to Contractor under each insurance requirement of this Article 8 shall mean and include each person or entity with whom Contractor contracts to provide services in relation to the Work. If any such person or entity with whom Contractor contracts to provide services in relation to the Work fails to obtain, maintain or renew any insurance required by this Agreement, the Owner may, among other remedies available

hereunder or at law, obtain insurance coverage directly and recover the cost of that insurance from the Contractor or declare this Agreement void if the Contractor does not remedy the breach within ten (10) days after receipt of notice of breach from the Owner.

8.2 INDEMNITY.

8.2.1 INDEMNIFICATION - EMPLOYEE PERSONAL INJURY CLAIMS. TO THE FULLEST EXTENT PERMITTED BY LAW, THE CONTRACTOR SHALL INDEMNIFY, DEFEND (WITH COUNSEL OF OWNER'S CHOOSING), AND HOLD HARMLESS OWNER, AND OWNER'S EMPLOYEES, AGENTS, REPRESENTATIVES, PARTNERS, OFFICERS, AND DIRECTORS (COLLECTIVELY, THE "INDEMNITEES") AND SHALL ASSUME ENTIRE RESPONSIBILITY AND LIABILITY (OTHER THAN AS A RESULT OF INDEMNITEES' GROSS NEGLIGENCE) FOR ANY CLAIM OR ACTION BASED ON OR ARISING OUT OF THE PERSONAL INJURY, OR DEATH, OF ANY EMPLOYEE OF THE CONTRACTOR, OR OF ANY SUBCONTRACTOR, OR OF ANY OTHER ENTITY FOR WHOSE ACTS THEY MAY BE LIABLE, WHICH OCCURRED OR WAS ALLEGED TO HAVE OCCURRED ON THE WORK SITE OR IN CONNECTION WITH THE PERFORMANCE OF THE WORK. CONTRACTOR HEREBY INDEMNIFIES THE INDEMNITEES EVEN TO THE EXTENT THAT SUCH PERSONAL INJURY WAS CAUSED OR ALLEGED TO HAVE BEEN CAUSED BY THE SOLE, COMPARATIVE OR CONCURRENT NEGLIGENCE OF THE STRICT LIABILITY OF ANY INDEMNIFIED PARTY. THIS INDEMNIFICATION SHALL NOT BE LIMITED TO DAMAGES, COMPENSATION, OR BENEFITS PAYABLE UNDER INSURANCE POLICIES, WORKERS COMPENSATION ACTS, DISABILITY BENEFITS ACTS, OR OTHER EMPLOYEES BENEFIT ACTS.

8.2.2 INDEMNIFICATION - OTHER THAN EMPLOYEE PERSONAL INJURY CLAIMS. TO THE FULLEST EXTENT PERMITTED BY LAW, CONTRACTOR SHALL INDEMNIFY, DEFEND (WITH COUNSEL OF OWNER'S CHOOSING), AND HOLD HARMLESS OWNER, AND OWNER'S EMPLOYEES, AGENTS, REPRESENTATIVES, PARTNERS, OFFICERS, AND DIRECTORS (COLLECTIVELY, THE "INDEMNITEES") FROM AND AGAINST CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING BUT NOT LIMITED TO ATTORNEYS' FEES, ARISING OUT OF OR ALLEGED TO BE RESULTING FROM THE PERFORMANCE OF THIS AGREEMENT OR THE WORK DESCRIBED HEREIN, TO THE EXTENT CAUSED BY THE NEGLIGENCE, ACTS, ERRORS, OR OMISSIONS OF CONTRACTOR OR ITS SUBCONTRACTORS, ANYONE EMPLOYED BY THEM OR ANYONE FOR WHOSE ACTS THEY MAY BE LIABLE, REGARDLESS OF WHETHER OR NOT SUCH CLAIM, DAMAGE, LOSS OR EXPENSE IS CAUSED IN WHOLE OR IN PART BY A PARTY INDEMNIFIED HEREUNDER.

8.3 Except for the obligation of Owner to pay Contractor the Contract Price pursuant to the terms of this Agreement, and to perform certain other obligations pursuant to the terms and conditions explicitly set forth herein, Owner shall have no liability to Contractor or to anyone claiming through or under Contractor by reason of the execution or performance of this Agreement. Notwithstanding any obligation or liability of Owner to Contractor, no present or future partner or affiliate of Owner or any agent, officer, director, or employee of Owner, Williamson County, or of the various departments comprising Williamson County, or anyone claiming under Owner has or shall have any personal liability to Contractor or to anyone claiming through or under Contractor by reason of the execution or performance of this Agreement.

ARTICLE 9 BONDS

9.1 Payment Bond. Upon execution of this Agreement, Contractor shall provide a Payment Bond in the amount of 100% of the Contract Price, as security for the true and faithful payment in full of all subcontractors and persons performing labor, services, materials, machinery, and fixtures in connection with the Work. The surety for a Payment Bond shall meet the requirements of Texas law.

ARTICLE 10 TERMINATION

10.1 Termination for Cause. If either party commits an Event of Breach (a breach of any of the covenants, terms and/or conditions of this Agreement), the non-breaching party shall deliver written notice of such Event of Breach to the breaching party. Such notice must specify the nature of the Event of Breach and inform the breaching party that unless the Event of Breach is cured within three (3) business days of receipt of the notice, additional steps may be taken to terminate this Agreement. If the breaching party begins a good faith attempt to cure the Event of Breach within three (3) business days, then and in that instance, the three (3) business day period may be extended by the non-breaching party, so long as the breaching party continues to prosecute a cure diligently to completion and continues to make a good faith attempt to cure the Event of Breach. If, in the opinion of the non-breaching party, the breaching party does not cure the breach within three (3) business days or otherwise fails to make any diligent attempt to correct the Event of Breach, the breaching party shall be deemed to be in breach and the non-breaching party may, in addition to seeking the remedies available hereunder and under the law, terminate this Agreement.

10.2 Termination for Convenience. The Owner may terminate this Agreement for convenience and without cause or further liability upon thirty (30) days written notice to Contractor. In the event of such termination, it is understood and agreed that only the amounts due to Contractor for goods, commodities and/or services provided and expenses incurred to and including the date of termination, will be due and payable. No penalty will be assessed for Owner's termination of this Agreement for convenience.

ARTICLE 11 MISCELLANEOUS PROVISIONS

11.1 Interest and Late Payments. Except as otherwise specifically set forth herein, Owner's payment for goods and services shall be governed by Chapter 2251 of the Texas Government Code. Interest charges for any overdue payments shall be paid by Owner in accordance with Texas Government Code Section 2251.025. More specifically, the rate of interest that shall accrue on a late payment is the rate in effect on September 1 of Owner's fiscal year in which the payment becomes due. The said rate in effect on September 1 shall be equal to the sum of one percent (1%); and (2) the prime rate published in the Wall Street Journal on the first day of July of the preceding fiscal year that does not fall on a Saturday or Sunday.

In the event that an error appears in an invoice/application for payment submitted by Contractor, Owner shall notify Contractor of the error not later than the twenty first (21st) day after the date Owner receives the invoice/application for payment. If the error is resolved in favor of Contractor, Contractor shall be entitled to receive interest on the unpaid balance of the invoice/application for payment submitted by Contractor beginning on the date that the payment for the invoice/application for payment became overdue. If the error is resolved in favor of the Owner, Contractor shall submit a corrected invoice/application for payment that must be paid in accordance within the time set forth above. The unpaid balance accrues interest as provided by Chapter 2251 of the Texas Government Code if the corrected invoice/application for payment is not paid by the appropriate date.

11.2 Assignment; Successors and Assigns. This Agreement is a personal service contract for the services of Contractor, and Contractor's interest in this Agreement, duties hereunder and/or fees due hereunder may not be assigned or delegated to a third party. This Agreement shall be binding upon and inure to the benefit of parties hereto and their respective successors and assigns.

11.3 Captions. The captions of paragraphs in this Agreement are for convenience only and shall not be considered or referred to in resolving questions of interpretation or construction.

11.4 Governing Law and Venue. This Agreement and all of the rights and obligations of the parties and all of the terms and conditions shall be construed, interpreted and applied in accordance with and governed by and enforced under the laws of the State of Texas without reference to its conflicts of law provisions. Williamson County where the Work site is located shall be the sole place of venue for any legal action arising from or related to this Agreement or the project in which the Owner is a party.

11.5 Waivers. No delay or omission by either party in exercising any right or power arising from non-compliance or failure of performance by the other party with any of the provisions of this Agreement shall impair or constitute a waiver of any such right or power. A waiver by either party of any covenant or condition of this Agreement shall not be construed as a waiver of any subsequent breach of that or of any other covenant or condition of the Agreement.

11.6 Interpretation. In the event of any dispute over the meaning or application of any provision of the Contract Documents, the Contract Documents shall be interpreted fairly and reasonably, and neither more strongly for or against any party, regardless of the actual drafter of the Contract Documents.

11.7 Binding Effect. This Agreement shall be binding upon and inure to the benefit of the parties and their respective permitted assigns and successors.

11.8 Appointment. Owner hereby expressly reserves the right from time to time to designate by notice to Contractor a representative(s) to act partially or wholly for Owner in connection with the performance of Owner's obligations. Contractor shall act only upon instructions from the designated representative(s) unless otherwise specifically notified to the contrary.

11.9 Audits. Contractor agrees that Owner or its duly authorized representatives shall, until the expiration of three (3) years after final payment under this Agreement, have access to and the right to examine and photocopy any and all books, documents, papers and records of Contractor which are directly pertinent to the services to be performed under this Agreement for the purposes of making audits, examinations, excerpts, and transcriptions. Contractor agrees that Owner shall have access during normal working hours to all necessary Contractor facilities and shall be provided adequate and appropriate work space in order to conduct audits in compliance with the provisions of this section. Owner shall give Contractor reasonable advance notice of intended audits.

11.10 Severability. Should any term or provision of this Agreement be held invalid or unenforceable in any respect, the remaining terms and provisions shall not be affected and this Agreement shall be construed as if the invalid or unenforceable term or provision had never been included.

11.11 No Waiver of Immunities. Nothing in this Agreement shall be deemed to waive, modify or amend any legal defense available at law or in equity to Owner, its past or present officers, employees, or agents, nor to create any legal rights or claim on behalf of any third party. Owner does not waive, modify, or alter to any extent whatsoever the availability of the defense of governmental immunity under the laws of the State of Texas and of the United States.

11.12 Current Revenues. Under Texas law, a contract with a governmental entity that contains a claim against future revenues is void; therefore, each party paying for the performance of governmental functions or services must make those payments from current revenues available to the paying party.

11.13 Compliance with Laws. Contractor shall comply with all federal, state, and local laws, statutes, ordinances, rules and regulations, and the orders and decrees of any courts or administrative bodies or tribunals in any matter affecting the performance of this Agreement, including, without limitation, Worker's Compensation laws, minimum and maximum salary and wage statutes and regulations, licensing laws and regulations. When required, Contractor shall furnish the County with certification of compliance with said laws, statutes, ordinances, rules, regulations, orders, and decrees above specified.

11.14 Sales and Use Tax Exemption. Owner is a body corporate and politic under the laws of the State of Texas and claims exemption from sales and use taxes under Texas Tax Code Ann. § 151.309, as amended.

11.15 Texas Public Information Act. To the extent, if any, that any provision in this Agreement is in conflict with Tex. Gov't Code 552.001 *et seq.*, as amended (the "Public Information Act"), the same shall be of no force or effect. Furthermore, it is expressly understood and agreed that Owner, its officers and employees may request advice, decisions and opinions of the Attorney General of the State of Texas in regard to the application of the Public Information Act to any information or data furnished to Owner whether or not the same are available to the public. It is further understood that Owner, its officers and employees shall have the right to rely on the advice, decisions and opinions of the Attorney General, and that Owner, its officers and employees shall have no liability or obligation to Contractor for the disclosure to the public, or to any person or persons, of any software or a part thereof, or other items or data furnished to Owner by Contractor in reliance of any advice, decision or opinion of the Attorney General of the State of Texas.

11.16 Force Majeure. If the party obligated to perform is prevented from performance by an act of war, order of legal authority, act of God, or other unavoidable cause not attributable to the fault or negligence of said party, the other party shall grant such party relief from the performance of this Agreement. The burden of proof for the need of such relief shall rest upon the party obligated to perform. To obtain release based on force majeure, the party obligated to perform shall file a written request with the other party.

11.17 Equal Opportunity in Employment. The parties to this Agreement agree that during the performance of the services under this Agreement they will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. The parties to this Agreement will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, sex or national origin. Such action shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; termination; rates of pay or other forms of compensation, and selection for training, including apprenticeship.

11.18 Reports of Accidents. Within 24 hours after Contractor becomes aware of the occurrence of any accident or other event which results in, or might result in, injury to the person or property of any third person (other than an employee of the Contractor), whether or not it results from or involves any action or failure to act by the Contractor or any employee or agent of the Contractor and which arises in any manner from the performance of this Agreement, the Contractor shall send a written report of such accident or other event to the County, setting forth a full and concise statement of the facts pertaining thereto. The Contractor shall also immediately send the County a copy of any summons, subpoena,

notice, or other documents served upon the Contractor, its agents, employees, or representatives, or received by it or them, in connection with any matter before any court arising in any manner from the Contractor's performance of work under this Agreement.

11.19 Relationship of the Parties. Each party to this Agreement, in the performance of this Agreement, shall act in an individual capacity and not as agents, employees, partners, joint ventures or associates of one another. The employees or agents of one party shall not be deemed or construed to be the employees or agents of the other party for any purposes whatsoever.

11.20 Appropriation of Funds by Owner. Owner believes it has sufficient funds currently available and authorized for expenditure to finance the costs of this Agreement. Contractor understands and agrees that the Owner's payment of amounts under this Agreement is contingent on the Owner receiving appropriations or other expenditure authority sufficient to allow the Owner, in the exercise of reasonable administrative discretion, to continue to make payments under this Agreement.

11.21 Execution in Counterparts. This Agreement may be executed in counterparts, each of which, when executed and delivered, shall be deemed to be an original and all of which together shall constitute one and the same document.

11.22 Entire Agreement. This Agreement, which expressly includes Invitation for Bid #1601-048, Standard Terms & Conditions, and Contractor's Bid as if copied here in full, represents the entire and integrated agreement between the parties hereto and supersedes all prior negotiations, representations, or agreements, either oral or written. This Agreement may be amended only by written instrument signed by each party to this Agreement. NO OFFICIAL, EMPLOYEE, AGENT, OR REPRESENTATIVE OF THE OWNER HAS ANY AUTHORITY, EITHER EXPRESS OR IMPLIED, TO AMEND THIS AGREEMENT, EXCEPT PURSUANT TO SUCH EXPRESS AUTHORITY AS MAY BE GRANTED BY THE WILLIAMSON COUNTY COMMISSIONERS COURT.

BY SIGNING BELOW, the Parties have executed and bound themselves to this Agreement to be effective as of the date of the last party's execution hereof (Effective Date).

OWNER:

WILLIAMSON COUNTY, TEXAS,
a political subdivision of the state of Texas

CONTRACTOR:

By: _____

Printed Name: _____

Title: _____

Date: _____

By: _____

Printed Name: _____

Title: _____

Date: _____

Party Representatives

Owner's Designated Representative ("ODR"):

Contractor's Designated Representative:

Phone	
Fax	

Phone	
Fax	

BID AFFIDAVIT**This form must be completed, signed, notarized and returned with Bid package**

The undersigned certifies that the IFB and the Bidder's Bid have been carefully reviewed and are submitted as correct and final. Bidder further certifies and agrees to furnish any and/or all goods and/or services upon which prices are extended at the price Bid, and upon the conditions contained in the IFB.

STATE OF COUNTY OF

BEFORE ME, the undersigned authority, a Notary Public in and for the State of , on this

day personally appeared (*Name of Signer*), who after being by me duly sworn, did depose and say:

"I, (*Name of Signer*) am a duly authorized officer of/agent for

(*Name of Respondent*) and have been duly authorized

to execute the foregoing on behalf of the said

(*Name of Respondent*).

I hereby certify that the foregoing Bid has not been prepared in collusion with any other Bidder or other person or persons engaged in the same line of business prior to the official opening of this Bid. Further, I certify that the Bidder is not now, nor has been for the past six (6) months, directly or indirectly concerned in any pool or agreement or combination, to control the price of services/commodities Bid on, or to influence any person or persons to submit a Bid or not to submit a Bid thereon."

Name and Address of
Respondent:

Fax:

Telephone #:

By:

Printed Name:

Title:

SUBSCRIBED AND SWORN to before me by the above-named

on this the day of , 20

Notary Public in and for

The State of

Question and Answers for Bid #1601-048 - Break Room Remodel for Williamson County Justice Center

Overall Bid Questions

There are no questions associated with this bid.