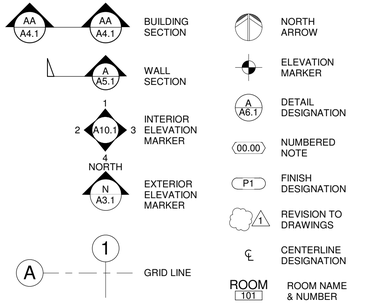
Att. A

SYMBOLS



ABBREVIATIONS

@	AT
A.F.F.	ABOVE FINISH FLOOR
ABV.	ABOVE
ADJ.	ADJUSTABLE
ALT.	ALTERNATE
ALUM.	ALUMINUM
APPL.	APPLICABLE
APPROX.	APPROXIMATE
B.O.	BOTTOM OF
BD.	BOARD
BLDG.	BUILDING
BLK.	BLOCK
BLKG.	BLOCKING
BLW.	BELOW
BTWN.	BETWEEN
C.I.	CAST IRON
C.I.P.	CAST-IN-PLACE
C.J.	CONTROL JOINT
C.L.	CENTER LINE
CBC	CALIFORNIA BUILDING CODE
CLG.	CEILING
CLR.	CLEAR
CMU	CONCRETE MASONRY UNIT
COL.	COLUMN
COMP.	COMPACTED
CONC.	CONCRETE
CONT.	CONTINUOUS
D.F.	DOUGLAS FIR / DRINKING FOUNTAIN
D.S.	DOWNSPOUT
DBL.	DOUBLE
DIA.	DIAMETER
DN.	DOWN
DWG.	DRAWING
E.I.F.S.	EXTERIOR INSULATION & FINISH SYSTEM
E.J.	EXPANSION JOINT
E.W.	EACH WAY
EA.	EACH
ELEV.	ELEVATION
EQ.	EQUAL
EXIST. / (E)	EXISTING
EXP.	EXPANSION
EXT.	EXTERIOR
F.D.	FLOOR DRAIN
F.E.	FIRE EXTINGUISHER
F.G.	FIBERGLASS / FINISH GRADE
F.H.	FIRE HYDRANT
F.O.F.	FACE OF FINISH
F.O.S.	FACE OF STUD
F.R.P.	FIBER REINFORCED POLYMER
F.S.	FIRE SPRINKLERS
FIN.	FINISH
FLR.	FLOOR
FT.	FOOT / FEET
FTG.	FOOTING
G.B.	GRADE BREAK
G.I.	GALVANIZED IRON
G.L.B.	GLUE LAMINATED BEAM
GA.	GAUGE
GALV.	GALVANIZED
GD.	GRADE
GYP. BD.	GYPSUM BOARD
H.M.	HOLLOW METAL
HD.	HEAD
HDR.	HEADER
HDWR.	HARDWARE
HORIZ.	HORIZONTAL
HR.	HOUR
HT.	HEIGHT
I.D.	IDENTIFICATION
I.S.A.	INTERNATIONAL SYMBOL OF ACCESSIBILITY
INSUL.	INSULATION
INT.	INTERIOR
JB.	JAMB
JT.	JOINT
LAV.	LAVATORY
LTWT.	LIGHT WEIGHT
M.W.	MINERAL WOOL
MAX.	MAXIMUM
MECH.	MECHANICAL
MIN.	MINIMUM / MINUTE
MTD.	MOUNTED
MTG.	MEETING
MTL.	METAL
N.I.C.	NOT IN CONTRACT
N.T.S.	NOT TO SCALE
N/A	NOT APPLICABLE
NO. / #	NUMBER
O.C.	ON CENTER
OCC.	OCCUPANCY
OPP.	OPPOSITE HAND
ov/	OVER
OZ.	OUNCE
P.F.	PREFINISHED
P.O.C.	POINT OF CONNECTION
P.T.	PRESSURE TREATED
PL.	PLATE
PLAM.	PLASTIC LAMINATE
PROP.	PROPERTY
PSI	POUNDS PER SQUARE INCH
PW	PLYWOOD
R.W.L.	RAIN WATER LEADER
RDWD.	REDWOOD
REF.	REFER TO
REINF.	REINFORCED
REQ'D.	REQUIRED
RM.	ROOM
S.C.	SOLID CORE
S.D.	STORM DRAIN
S.F.	SQUARE FOOTAGE / STOREFRONT
S.M.	SHEET METAL
S.M.S.	SHEET METAL SCREW
S.P.	SINGLE PLY
S.S.	SANITARY SEWER LINE / STANDING SEAM / STAINLESS STEEL
SCH.	SCHEDULE
SDST	SELF-DRILLING SELF-TAPPING
SHT.	SHEET
SIM.	SIMILAR
SPEC.	SPECIFICATION
SQ.	SQUARE
STD.	STANDARD
STL.	STEEL
SUSP.	SUSPENDED
T & B	TOP & BOTTOM
T & G	TONGUE & GROOVE
T.J.I.	TRUS JOIST I-JOIST
T.O.	TOP OF
T.S.	TUBE STEEL
TEMP	TEMPORARY
TYP.	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
UHPC	ULTRA HIGH-PERFORMANCE CONCRETE
V.B.	VAPOR BARRIER
V.I.F.	VERIFY IN FIELD
V.T.R.	VENT THROUGH ROOF
VERT.	VERTICAL
W.C.	WATER CLOSET
W.H.	WATER HEATER
W.I.	WROUGHT IRON
W.W.F.	WOVEN WIRE FABRIC
w/	WITH
w/o	WITHOUT
WD.	WOOD

SHEET INDEX

T1.1	TITLE SHEET
T2.1	OCCUPANCY PLAN + SYMBOLS + ABBREVIATIONS
T2.2	CALGREEN CODE COMPLIANCE
T3.1	BUILDING ACCESSIBILITY DETAILS
T3.2	POSTED SIGNAGE PLAN + DETAILS
C1.0	CIVIL COVER SHEET
C1.0D	SITE DEMOLITION PLAN
C1.1	CIVIL NOTES
C1.2	SITE GRADING PLAN
C1.3	SITE UTILITY PLAN
C1.4	SITE PAVING PLAN
C1.5	SITE EROSION CONTROL PLAN
C1.6	CIVIL STORMWATER QUALITY PLAN
C1.7	BID ALTERNATE #2
C2.0	CITY OF DAVIS ENCROACHMENT PERMIT WORK
L1.1	LAYOUT PLAN
L1.2	BID ALTERNATE #2 - LAYOUT
L1.3	LAYOUT DETAILS
L2.1	IRRIGATION PLAN & NOTES
L2.2	BID ALTERNATE #2 - IRRIGATION
L2.3	IRRIGATION LEGEND, NOTES & SUPPORT
L2.4	IRRIGATION DETIALS
L2.5	IRRIGATION DETIALS
L3.1	PLANTING PLAN
L3.2	BID ALTERNATE #2 - PARKING PLAN
L3.3	PLANTING DETAILS
A1.1	SITE PLAN
A1.2	PARKING DETAILS
A1.3	TRASH ENCLOSURE
A1.4	SITE DETAILS
A1.5	PV @ PARKING LOT
A2.1	DIMENSION PLAN
A2.2	NOTATION PLAN
A2.3	ENLARGED RESTROOMS PLANS
A3.1	EXTERIOR ELEVATIONS
A3.2	PARTIAL ELEVATIONS
A3.3	PERSPECTIVE RENDERINGS
A4.1	BUILDING SECTIONS
A4.2	BUILDING SECTIONS
A5.1	WALL SECTIONS
A5.2	WALL SECTIONS
A5.3	WALL SECTIONS
A5.4	WALL SECTIONS
A5.5	WALL SECTIONS
A6.1	DETAILS
A6.2	DETAILS
A6.3	DETAILS
A7.1	ROOF PLAN - LOW
A7.2	ROOF PLAN - HIGH
A7.3	ROOF DETAILS
A7.4	ENLARGED ROOF PLAN - CANOPIES
A7.5	HIGH ROOF CANOPY
A8.1	DOOR SCHEDULE
A8.2	PIVOTING PANEL DETAILS
A8.3	GLAZED FRAME SCHEDULE
A8.4	GLAZED FRAME DETAILS
A9.1	REFLECTED CEILING PLAN - LOW
A9.2	REFLECTED CEILING PLAN - HIGH
A9.3	CEILING & SOFFIT DETAILS
A10.1	FINISH SCHEDULE
A10.2	DETAILS
A10.3	INTERIOR ELEVATIONS
A10.4	INTERIOR ELEVATIONS
A10.5	INTERIOR ELEVATIONS
A11.1	CASEWORK ELEVATIONS
A11.2	CASEWORK ELEVATIONS
A11.3	CASEWORK ELEVATIONS
A11.4	CASEWORK DETAILS
S0.0	GENERAL NOTES & ABBREVIATIONS
S0.1	GENERAL NOTES
S0.2	GENERAL NOTES
S0.3	TYPICAL DETAILS - CONCRETE
S0.4	TYPICAL DETAILS - CONCRETE & METAL ROOF DECK
S0.5	TYPICAL DETAILS - STEEL
S0.6	TYPICAL DETAILS - STEEL
S0.7	TYPICAL DETAILS - SFRS STEEL
S0.8	TYPICAL DETAILS - MASONRY
S0.9	TYPICAL DETAILS - WOOD
S0.10	TYPICAL DETAILS - WOOD
S0.11	TYPICAL DETAILS - WOOD
S0.12	TYPICAL DETAILS - WOOD
S0.13	TYPICAL DETAILS - WOOD I-JOISTS
S1.0	FOUNDATION PLAN
S1.1	FOUNDATION PLANS AT EXTERIOR FINS
S2.0	LOW ROOF FRAMING PLAN
S2.1	HIGH ROOF FRAMING PLAN
S2.2	MECH WELL FRAMING PLANS AND DETAILS
S2.3	CEILING FRAMING PLANS & DETAILS
S2.4	FRAMING PLAN AT EXTERIOR FINS
S2.5	TRASH ENCLOUSURE PLANS AND DETAILS
S2.6	PLANS & ELEVATIONS AT FINS
S3.0	ELEVATIONS AT BRACE FRAMES
S3.1	ELEVATIONS AT MOMENT FRAMES
S3.2	SECTIONS AT NORTH LOW ROOF
S3.3	SECTIONS AT SOUTH LOW ROOF
S4.0	FOUNDATIONS DETAILS
S4.1	MOMENT FRAME GRADE BEAM DETAILS
S4.2	BRACE FRAME PLANS
S4.3	BRACE FRAME GRADE BEAM DETAILS
S5.0	FRAMING DETAILS
S5.1	FRAMING DETAILS
S5.2	FRAMING DETAILS
S5.3	FRAMING DETAILS
S6.0	BRACE FRAME & MOMENT FRAME DETAILS
FP0.1	FIRE PROTECTION LEGENDS & NOTES
FP2.1	FIRE PROTECTION FLOOR PLAN
M0.1	HVAC LEGEND
M0.2	HVAC SCHEDULES & NOTES
M0.3	TILTLE -24 COMPLIANCE FORMS
M0.4	TILTLE -24 COMPLIANCE FORMS
M1.1	HVAC ZONE PLAN
M2.1	HVAC FLOOR PLAN
M2.2	HVAC ROOF PLAN
M3.1	HVAC PIPING FLOOR PLAN
M4.1	HVAC PIPING DIAGRAM
M5.1	HVAC DETAILS
M5.2	HVAC DETAILS
M5.3	HVAC DETAILS
M6.1	HVAC CONTROLS
M6.2	HVAC CONTROLS
M6.3	HVAC CONTROLS
P0.1	PLUMBING LEGENDS & NOTES
P0.2	PLUMBING SCHEDULES
P0.3	PLUMBING FIXTURE SCHEDULE
P2.1	PLUMBING FLOOR PLAN
P2.2	PLUMBING ROOF PLAN
P5.1	PLUMBING DETAILS
P5.2	PLUMBING DETAILS
E0.1	ELECTRICAL SYMBOLS & SHEET INDEX
E0.2	ELECTRICAL SYMBOLS CONT. & ABBREVIATIONS
E0.3	TILTLE 24 INDOOR LIGHTING FORMS
E0.4	TITLE 24 POWER FORMS
E0.5	TITLE 24 OUTDOOR LIGHTING FORMS
E0.6	PROJECT NOTES
E0.7	SCHEDULES
E0.8	PANEL SCHEDULES
E1.1	ELECTRICAL SITE PLAN
E1.2	BID ALTERNATE #2 - ELECT SITE PLAN
E2.1	LIGHTING PLAN
E3.1	POWER & TELECOM PLAN
E3.2	ROOF ELECTRICAL PLAN
E4.1	SPECIAL SYSTEMS PLANS
E5.1	ENLARGED PLANS
E6.1	POWER ONE LINE AND RISER DIAGRAMS
E7.1	RISER DIAGRAMS
E9.1	ELECTRICAL DETAILS
E9.2	ELECTRCAIL DETAILS CONT.

SPECIAL INSPECTIONS

Reinforced Concrete, Gunite, Grout and Mortar

Concrete	Gunite	Grout	Mortar	
				Aggregate Tests
				Reinforcing Tests
X				Mix Designs
X				Reinforcing Placement
X				Batch Plant Inspection
X				Inspect Placing
				Cast Samples
				Pick-up Samples
X				Compression Tests

Piles	Grade Beams	Pretens	Precast	Aggregate Tests
				Reinforcing Tests
				Tendon Test
	X			Mix Designs
	X			Reinforcing Placement
	X			Insert Placement
	X			Concrete Batching
				Installation Inspection
				Cast Samples
				Pick-up Samples
	X			Compression Tests

Structural Observation by Architect or Engineer

X	Foundation Observation
X	Framing Observation
X	Final Observation
	General Conformance Letters

Masonry

	Special Inspection Stresses Used
X	Preliminary Acceptance Test (Masonry Units, Wall Prisms)
	Subsequent Tests (Mortar, Grout, Field Wall Prisms)
X	Placement Inspection of Units
	URM Push/ Torque Test

Embedded Bolts or Inserts

	Bolt/Insert Placement Inspection %
	Bolt/Insert Tension Test %
	Bolt/Insert Shear Test %
	Epoxy Mix & Placement Observation %

Structural Steel / Welding

	Sample & Test (list specific members below)
X	Shop Material Identification
X	Welding Inspection: X Shop X Field
X	Ultra Sonic Inspection: X Shop X Field
	High-Stress Bolting Inspection: X A325 X Shop X Field X A490 N X F
X	Metal Deck Welding Inspection
	Reinforcing Steel Welding Inspection
	Metal Stud Welding Inspection
	Concrete Insert Welding Inspection

Structural Wood

	Horizontal Diaphragms
X	Shear Wall Nailing Inspection
X	Inspection of Glu-lam Fabrication
X	Inspection of Truss Joint Fabrication
	Sample and Test Components

Geotechnical/Foundation

	Soils Engineer Plan Review Acceptance Letter
X	Foundation Excavation
	Pier Holes
	Site Drainage
X	Fill Material
X	Placement Inspection
X	Field Density
	Acceptance Letter

County of Yolo
Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

APN: 069-460-056-000

PROJECT CONTACTS

OWNER INFORMATION

OWNER
COUNTY OF YOLO
GENERAL SERVICES DEPARTMENT
101 IMPERIAL STREET
WOODLAND, CA 95695
PHONE: 530.666.8888
EMAIL: Ryan.Pistochini@yolocounty.org
CONTACT: RYAN PISTOCHINI, DIR.

OCCUPANT
226 BUCKEYE STREET
WOODLAND, CA 95695
PHONE: 530.666.8005
EMAIL: Diana.Lopez@yolocounty.org
CONTACT: Diana Lopez, County Librarian

CONSULTANT INFORMATION

ARCHITECT
WMB ARCHITECTS
5757 PACIFIC AVENUE, SUITE 226
STOCKTON, CA 95207
PHONE: 209.944.9110
FAX: 209.944.5711
EMAIL: sh@wmbarchitects.com
CONTACT: SAM HARPER, PROJECT ARCHITECT

CIVIL ENGINEER
CUNNINGHAM ENGINEERING
2120 20TH ST, STE 3
SACRAMENTO, CA 95818
PHONE: 916.455.2026
EMAIL: dan@cecwest.com
CONTACT: DAN FENOCCHIO

STRUCTURAL ENGINEER
CYS STRUCTURAL ENGINEERS, INC
2495 NATOMAS PARK DRIVE, #650
SACRAMENTO, CA 95833
PHONE: 916.920.2020
FAX: 916.920.1556
EMAIL: christiand@cyseng.com
CONTACT: CHRISTIAN DES CHAMPS

MECHANICAL ENGINEER
CAPITAL ENGINEERING
11020 SUN CENTER DR
RANCHO CORDOVA, CA 95670
PHONE: 916.851.3500
FAX: 916.631.4424
EMAIL: kstillman@capital-engineering.com
CONTACT: KEVIN STILLMAN

ELECTRICAL ENGINEER
THE ENGINEERING ENTERPRISE
1125 HIGH STREET
AUBURN, CA 95603
PHONE: 530.886.8556
FAX: 530.886.8557
EMAIL: scott@engent.com
CONTACT: SCOTT WHEELER

LANDSCAPE ARCHITECT
THE HLA GROUP
555 UNIVERSITY AVE, STE 154
SACRAMENTO, CA 95825
PHONE: 916.447.7400
EMAIL: ghauser@hlagroup.com
CONTACT: GREG HAUSER

PROJECT DATA

SINGLE OCCUPANCY - SINGLE STORY

TYPE OF CONSTRUCTION	VB	
OCCUPANCY	A-3 & B (AS NON - SEPARATED MIXED OCCUPANCY)	
FIRE SPRINKLERS	YES	NFPA 13
FIRE SPRINKLER FACTOR *CBC TABLES 504.3, 504.4, 506.2*	S / S	
HEIGHT INCREASE	NO	
AREA INCREASE	NO	
ALLOWABLE HEIGHT	40'	
ACTUAL HEIGHT	23'-8"	
ALLOWABLE STORIES	1	
ACTUAL STORIES	1	
ALLOWABLE AREA (A_a) $A_a = A_t + (NS \times I_f)$	A_a = 28,500 S.F.	
TABULAR ALLOWABLE AREA (A_t)	A_t = 24,000 S.F.	
TABULAR ALLOWABLE AREA (NS)	NS = 6,000 S.F.	
FRONTAGE INCREASE FACTOR (I_f) *[CBC TABLE 506.3.3*	I_f = 0.75	
OPEN SPACE WIDTH *SMALLEST WIDTH GREATER THAN 20'*	>30'	
PERCENTAGE OF BUILDING PERMITER *WITH OPEN SPACE GREATER THAN 20'*	100%	
ACTUAL AREA	12,857 SF	

PROJECT INFORMATION

PROJECT DESCRIPTION

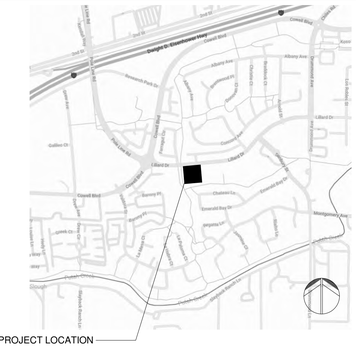
NEW CONSTRUCTION OF A 12,857 SF LIBRARY INCLUDING COMMUNITY ASSEMBLY SPACE WITHIN AN EXISTING PARK. ON-SITE IMPROVEMENTS INCLUDING BICYCLE AND VEHICLE PARKING, TRASH ENCLOSURE, LANDSCAPING, STORMWATER MANAGEMENT AREAS. OFF-SITE IMPROVEMENTS INCLUDING EXPANSION OF EXISTING PARK PARKING LOT, A NEW DRIVEWAY ON LILLARD DR, EMERGENCY VEHICLE ACCESS, AND PEDESTRIAN/BICYCLE PATHS.

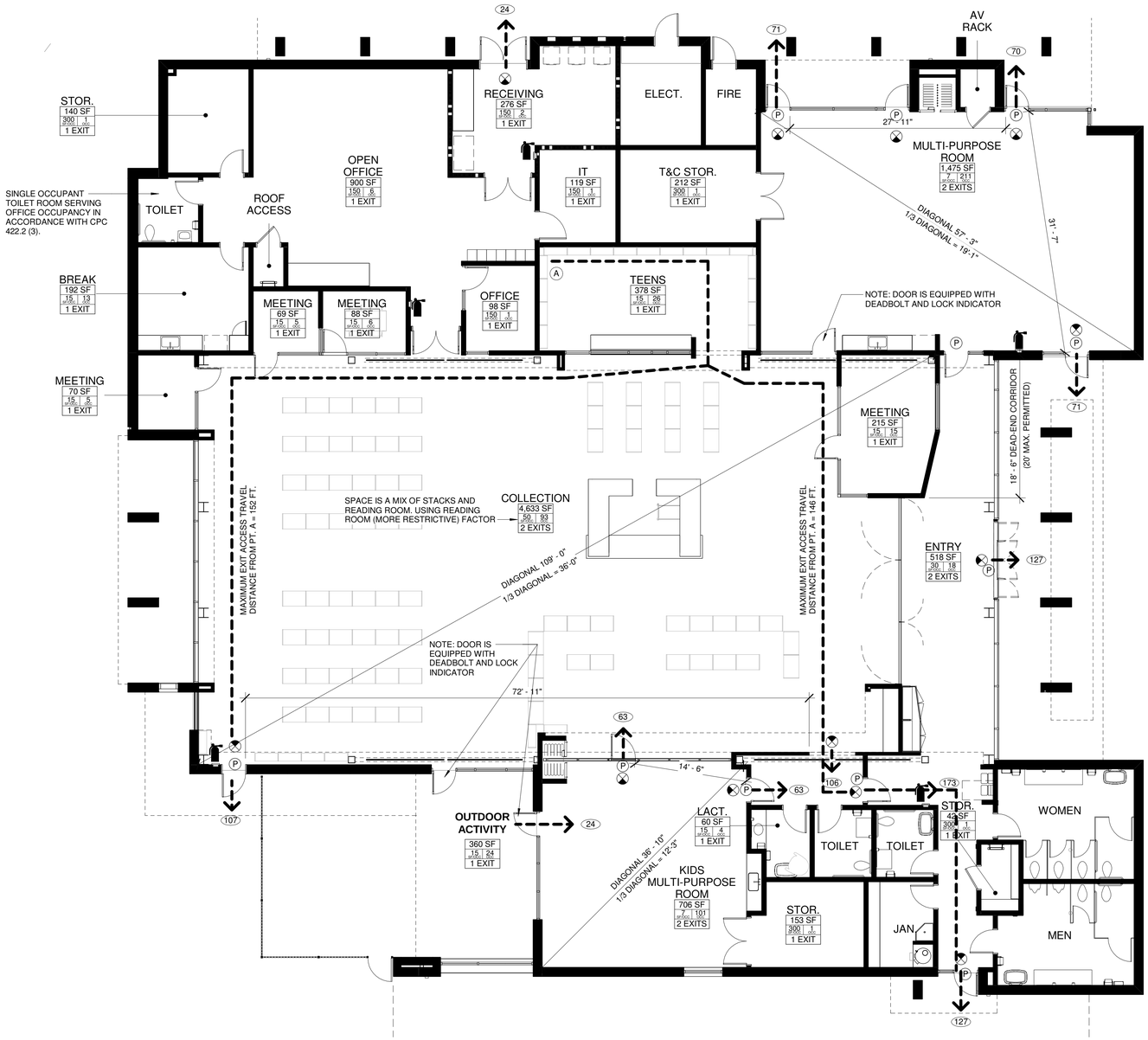
APPLICABLE CODES

ALL WORK SHALL BE IN CONFORMANCE WITH THE LATEST ADOPTED AND EFFECTIVE EDITION OF TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR), AS APPLICABLE:

PART 1	CALIFORNIA ADMINISTRATIVE CODE
PART 2	2022 CALIFORNIA BUILDING CODE
PART 3	2022 CALIFORNIA ELECTRICAL CODE
PART 4	2022 CALIFORNIA MECHANICAL CODE
PART 5	2022 CALIFORNIA PLUMBING CODE
PART 6	2022 CALIFORNIA ENERGY CODE
PART 9	2022 CALIFORNIA FIRE CODE
PART 11	2022 CALIFORNIA GREEN BUILDING STANDARDS CODE

VICINITY MAP


Joseph E. Donnelly Way
Lillard Dr
Gallino Ct
Cowell Blvd
Albany Ave
Berkeley Ave
Oxford Cir
Chesterton Dr
Rockwell Ave
Rockwell Ct
Kingsley Ave
Kingsley Ct
Wyndham Way
Wyndham Ct
Hanover Dr
Hanover Ct
Monarch Ln
Monarch Ct
Lincoln Ct
Lincoln Dr
Lillard Ct
Lillard Dr
Cowell Blvd
Sycamore Ln
Sycamore Ct
Rockwell Ave



OCCUPANCY + EGRESS PLAN

1/8" = 1'-0"

TOTAL OCCUPANTS (EGRESS):

PLUMBING FIXTURE COUNT

CPC TABLE 422.1

OCCUPANCY TYPE	Library, A-3, Office	
AREA	Office: 1630 SF Assembly: 3,089 SF Library: 5,459 SF	
LOAD FACTOR	Office: 150 SF Assembly: 11 SF Library: 50 SF	
OCCUPANT LOAD	Office (B): 11 (Single occupancy toilet provided in office per 422.2(3)) Assembly (A-3): 281 Library (A-3): 110	
	196 MEN	196 WOMEN

	MEN	WOMEN
WATER CLOSETS REQUIRED	2	4
WATER CLOSETS PROVIDED	2	4
URINALS REQUIRED	2	
URINALS PROVIDED	2	
LAVATORIES REQUIRED	1	2
LAVATORIES PROVIDED	3	3
DRINKING FOUNTAINS REQUIRED	1	
DRINKING FOUNTAINS PROVIDED	1	
SERVICE SINK REQUIRED	1	
SERVICE SINK PROVIDED	1	

LEGEND

LOBBY
800 SF
200 | 4
1 EXIT

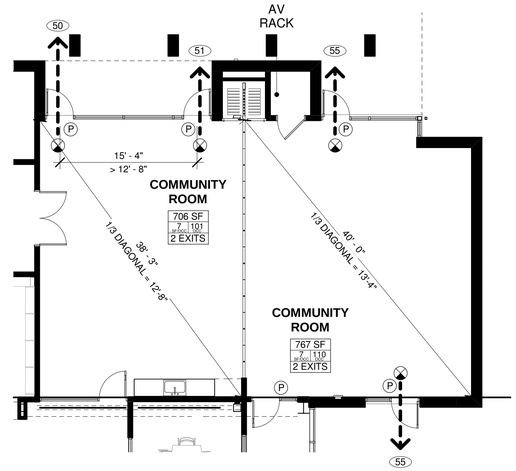
- ROOM NAME
- ROOM AREA
- OCCUPANT LOAD
- EXITS REQUIRED
- OCCUPANCY LOAD FACTOR
- (P) PANIC HARDWARE
- ILLUMINATED EXIT SIGN - REF. ELECTRICAL DWGS.
- (100) NUMBER OF OCCUPANTS
- ***2A:10BC*** PORTABLE FIRE EXTINGUISHER

NOTES:
1. REFER TO POSTED SIGNAGE PLAN FOR LOCATION OF TACTILE EXIT SIGNS.
2. REFER TO POSTED SIGNAGE PLAN FOR ASSISTIVE LISTENING DEVICES AS REQUIRED.

DOOR EGRESS CALCULATION

FOR BUILDINGS FULLY EQUIPPED WITH AN AUTOMATIC FIRE SPRINKLER SYSTEM

NOMINAL DOOR WIDTH	NET OPENING	FACTOR	MAX. NO. OF OCCUPANTS
36"	33"	0.15" / OCC.	220
42"	39"	0.15" / OCC.	260
48"	45"	0.15" / OCC.	300
72"	68"	0.15" / OCC.	453



COMMUNITY ROOM EGRESS - PARTITION CLOSED

1/8" = 1'-0"

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY

Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED ARCHITECT SAMUEL G. [illegible] 31-25 STATE OF CALIFORNIA

NOT FOR CONSTRUCTION

08.23.24	BID SET

OCCUPANCY PLAN + SYMBOLS + ABBREVIATIONS

T2.1

8/26/2024 3:30:03 PM Copyright WMB, Inc.

CALGREEN 2022 COMPLIANCE SCHEDULE *NONRESIDENTIAL MANDATORY MEASURES*

5.1 PLANNING + DESIGN

	SECTION	REQUIREMENT	PROJECT-SPECIFIC INFORMATION	VERIFICATION: RESPONSIBILITY	VERIFICATION: DOCUMENTATION
	5.106.1	**Stormwater pollution prevention** – For project sites disturbing less than one acre of land, comply with local ordinances for stormwater management and/or erosion control; and/or implement BMPs for erosion/sediment control.	N/A - Project disturbs more than one acre of land	Jurisdiction	BMP
✓	5.106.4.1.1	**Short-term bicycle parking** – For projects adding ten or more visitor vehicle parking spaces, provide permanently-anchored, readily-visible bicycle racks within 200' of visitors' entrance, equal to 5% of new visitor vehicle capacity (min 2).	Refer to site plan for bicycle rack location and parking calculations.	Jurisdiction	*(No additional documentation required)*
✓	5.106.4.1.2	**Long-term bicycle parking** – For projects adding vehicular parking for 10 or more tenant-occupants, provide secure bicycle parking equal to 5% of the tenant-occupant vehicular parking spaces (minimum 1 bicycle parking facility).	Refer to site plan for bicycle parking facility and parking calculations.	Jurisdiction	*(No additional documentation required)*
✓	5.106.5.3	**Electric vehicle (EV) charging** – At new projects providing ten or more vehicle parking spaces, provide EV capable spaces and supply equipment (quantity per Table 5.106.5.3.1).	Refer to site plan for parking calculations.	Jurisdiction	*(No additional documentation required)*
	5.106.5.4	**Electric vehicle (EV) charging (medium- and heavy-duty)** – At new Grocery, Retail, and Warehouse buildings, provide spare raceway(s)/busway(s) and capacity for off-street loading spaces (quantity and capacity per Table 5.106.5.4.1).	N/A - Project not Grocery, Retail, or Warehouse.	Jurisdiction	*(No additional documentation required)*
✓	5.106.8	**Light pollution reduction** – Design and install outdoor lighting systems to comply with the following: - Min. requirements for Lighting Zones 0-4 per CEC - Backlight ratings per IES TM-15-11 - Uplight and Glare ratings per CEC - Allowable BUG (backlight/uplight/glare) ratings per Table 5.106.8 OR comply with local ordinance, whichever is more stringent.	Refer to outdoor illumination information on electrical site plan and/or photometric plan.	Jurisdiction	Product data for installed light fixtures demonstrating compliance with listed standards and design specifications
✓	5.106.10	**Grading and paving** – Indicate how site grading or a drainage system will manage all surface water flows to keep water from entering buildings.	Refer to grading and/or architectural site plan.	Jurisdiction / Civil Engineer	*(No additional documentation required)*

5.3 WATER EFFICIENCY + CONSERVATION

	5.303.1.1	**Water meters** – In new buildings or additions in excess of 50,000 s.f., provide separate water meters or submeters for: 1. Each individual tenant space projected to consume more than 100 gal/day 2. Where submeters for individuals tenants is not feasible, add submeters to the following systems: a. Makeup water for cooling towers (where flow through > 500 gpm) b. Makeup water for evaporative coolers (where flow through > 6 gpm) c. Steam and hot-water boilers (where energy input > 500,000 Btu/h)	N/A - Building is smaller than 50,000 s.f.	Jurisdiction	*(No additional documentation required)*
	5.303.1.2	**Water meters** – Provide a separate submeter or metering device for any tenant within a new building or addition that is projected to consume more than 1,000 gal/day	N/A - Building occupied by a single owner, not individual tenants.	Jurisdiction	*(No additional documentation required)*
✓	5.303.3.1	**Water closet effective flush volume** shall not exceed 1.28 gallons per flush.	Refer to plumbing plans.	Contractor / Installer	*(No additional documentation required)*
✓	5.303.3.2	**Urinal flush volume** shall not exceed: - 0.125 gal/flush at wall-mounted urinals - 0.5 gal/flush at floor-mounted or other urinals	Refer to plumbing plans.	Contractor / Installer	*(No additional documentation required)*
	5.303.3.3.1	**Showerheads** shall have a maximum flow rate of 1.8 gal/min at 80 psi. Showerheads shall be certified to the performance criteria of the U.S. EPA Watersense Specification for Showerheads.	N/A - Project provides no showers.	Contractor / Installer	*(No additional documentation required)*
	5.303.3.3.2	**Multiple showerheads serving one shower** shall have a combined maximum flow rate of 1.8 gal/min at 80 psi. Or, the shower shall be designed to allow only one showerhead to be in operation at a time.	N/A - Project provides no showers.	Contractor / Installer	*(No additional documentation required)*
✓	5.303.6	**Standards** – Plumbing fixtures and fittings shall be installed in accordance with the CPC, and shall meet applicable standards in Table 1701.1 of the CPC and in Ch. 6 of CGBC.	Refer to plumbing plans.	Contractor / Installer	*(No additional documentation required)*
✓	5.304.1	**Outdoor potable water use in landscape areas** shall comply with either a local water efficient landscape ordinance, or the current California Department of Water Resources' Model Water Efficient Landscape Ordinance (MWELO), whichever is more stringent	Refer to irrigation plans.	Jurisdiction	*(No additional documentation required)*

5.4 MATERIAL CONSERVATION + RESOURCE EFFICIENCY

✓	5.407.1	**Weather protection** – Provide a weather-resistant exterior wall and foundation envelope as required by California Building Code Section 1402.2, manufacturer's installation instructions, or local ordinance, whichever is more stringent.	Refer to Exterior Wall Schedule on the Notation Floor Plan.	Jurisdiction	*(No additional documentation required)*
✓	5.407.2.1	**Moisture control, sprinklers** – Design and maintain landscape irrigation systems to prevent spray on structures.	Refer to Landscape plans.	Jurisdiction	*(No additional documentation required)*
✓	5.407.2.2.1	**Moisture control, entries and openings** – At exterior entries and/or openings which are subject to foot traffic or wind-driven rain, prevent water intrusion by: • using nonabsorbent floor and wall finishes within at least 2 feet around and perpendicular to the opening • providing 4 feet of shelter, through either an awning, an overhang, or a recess	Refer to architectural plans.	Jurisdiction	*(No additional documentation required)*
✓	5.407.2.2.2	Install **flashings** integrated with a drainage plane.	Refer to architectural details.	Jurisdiction	*(No additional documentation required)*
✓	5.408.1	**Construction waste management** – Recycle and/or reuse 65% min of nonhazardous construction/demolition waste (per Section 5.408.1.1, 5.408.1.2, or 5.408.1.3); or comply with local construction/demolition waste management ordinance, whichever is more stringent.	Specification Section 017419	Contractor	Construction Waste Management Plan + waste/recycling weight tickets and receipts
✓	5.408.1.1	**Construction waste management plan** – Where the local jurisdiction does not have a construction and demolition waste management ordinance that is more stringent, submit a construction waste management plan that complies with Section 5.408.1.1	Specification Section 017419	Contractor	
✓	5.408.3	**Excavated soil and land clearing debris** (trees, stumps, rocks and vegetation) shall be 100% reused or recycled	Specification Section 017419	Contractor	
✓	5.410.1	**Recycling by occupants** – Provide an area identified and used for depositing, storage and collection of non-hazardous recyclable materials.	Refer to Notation Floor Plan.	Jurisdiction	*(No additional documentation required)*
✓	5.410.2	**Commissioning for new buildings** 10,000 s.f. and greater: 1. Owner's Project Requirements (OPR) 2. Basis of Design (BOD) 3. Commissioning Plan 4. Functional Performance Testing 5. Documentation and training 6. Commissioning Report	Refer to: 1. Project Specifications, Appendix A 2. Project Specifications, Appendix B 3. Specification Section 019000	Commissioning Agent	Final Commissioning Report
	5.410.4	**Testing and adjusting of systems** for new buildings less than 10,000 s.f. or new systems for an initial tenant improvement: 1. Develop a written plan of procedures for testing and adjusting HVAC systems and controls, indoor and outdoor lighting and controls, water heating systems, renewable energy systems, landscape irrigation systems, and water reuse systems, if any. 2. Perform testing, adjusting and balancing procedures in accordance with project specifications 3. Provide final report of testing signed by the individual responsible for performing the tests 4. Provide building owner with operation and maintenance manual.	N/A - Building is larger than 10,000 s.f.	Contractor / Installer	Final Testing Report

5.5 ENVIRONMENTAL QUALITY

	5.503.1	**Fireplaces** – Install only direct-vent sealed-combustion gas or sealed wood-burning fireplaces, or a sealed wood stove or pellet stove. Wood stoves and pellet stoves shall comply with U.S. EPA NSPS emission limits.	N/A - Project provides no fireplaces.		Contractor / Installer	Product data and installation instructions for installed fireplace, wood stove or pellet stove
✓	5.504.1	**Limit use of permanent HVAC system during construction** to condition the building within the required temperature range for material and equipment installation. If the HVAC system is used during construction, use return air filters with a Minimum Efficiency Reporting Value (MERV) of 8, or an average efficiency of 30%; and replace all filters prior to occupancy.	Refer to notes on mechanical plans.		Contractor / Installer	*(No additional documentation required)*
✓	5.504.3	**Covering of duct openings and protection of mechanical equipment during construction** – All duct and air distribution component openings shall be covered with tape, plastic, and/or sheet metal during storage and rough installation until final startup in order to reduce the amount of water, dust, and debris which may enter in the system.	Refer to notes on mechanical plans.		Contractor / Installer	*(No additional documentation required)*
✓	5.504.4.1	**Adhesives, sealants and caulks** shall comply with V.O.C. limits listed in Tables 5.504.4.1 + 5.504.2	Refer to Interior Finish Schedule and Specification Section 079200		Contractor / Installer	Product data for installed materials
✓	5.504.4.3	**Paints and coatings** shall comply with V.O.C. limits listed in Table 5.504.4.3	Refer to Interior Finish Schedule and Specification Section 099100		Contractor / Installer	Product data for installed materials
✓	5.504.4.4	**Carpet systems** (including carpet cushion) shall meet the requirements of the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers," Version 1.2, January 2017.	Refer to Interior Finish Schedule and Specification Section 096816 and/or 096813		Contractor / Installer	Product data for installed materials
✓	5.504.4.5	**Composite wood products** – Hardwood plywood, particleboard, and medium density fiberboard shall comply with formaldehyde emission limits specified in Table 5.504.4.5.	Refer to Interior Finish Schedule and Specification Sections 062000 + 064100		Contractor / Installer	Product data and/or certifications; chain of custody certifications
✓	5.504.4.6	**Resilient flooring** – For 80% of the floor area receiving resilient flooring, install products complying with the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers," Version 1.2, January 2017.	Refer to Interior Finish Schedule and Specification Sections 096513, 096516, 096519, and 096566.		Contractor / Installer	Product data for installed materials
✓	5.504.4.7	**Thermal Insulation** – Comply with the requirements of the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers," Version 1.2, January 2017.	Refer to Interior Finish Schedule and Specification Section 072100.		Contractor / Installer	Product data for installed materials
✓	5.504.4.8	**Acoustical ceiling and wall panels** – Comply with the requirements of the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers," Version 1.2, January 2017.	Refer to Interior Finish Schedule and Specification Sections 092313, 095113, 095323, and 098413.		Contractor / Installer	Product data for installed materials
✓	5.504.5.3	**Air filters** – Install air filtration media with a minimum MERV rating of 13 for outside and return air.	Refer to notes on mechanical plans.		Contractor / Installer	Product data and location of installed filters
	5.504.7	**Environmental Tobacco Smoke control** – At designated outdoor smoking areas, post signage prohibiting smoking within 25' of building entries, outdoor air intakes, and operable windows; or comply with local or applicable ordinance.	N/A - No designated outdoor smoking area provided.		Jurisdiction	*(No additional documentation required)*
✓	5.505.1	**Indoor moisture control** – Buildings shall meet or exceed provisions of California Building Code, CCR, Title 24, Part 2, Section 1202, and Chapter 14.	Refer to wall schedules on A2.2 and roof assembly details on A7.2.		Jurisdiction	*(No additional documentation required)*
✓	5.506.1	**Outside air delivery** for mechanically or naturally ventilated spaces in buildings – Meet the minimum requirements of Section 120.1 (Requirements For Ventilation) of the California Energy Code, or applicable local code, whichever is more stringent, and Division 1, Chapter 4 of CCR, Title 8.	Refer to notes on mechanical plans.		Jurisdiction	*(No additional documentation required)*
✓	5.506.2	**CO_2 monitoring** – For buildings or additions equipped with demand control ventilation, CO_2 sensors and ventilation controls shall be specified and installed per California Energy Code, Section 120.1(c)(4).	Refer to notes on mechanical plans.		Jurisdiction	*(No additional documentation required)*
	5.507.4	**Acoustical control** – Employ building assemblies and components with Sound Transmission Class (STC) values determined in accordance with ASTM E90 and ASTM E413 or Outdoor-Indoor Sound Transmission Class (OITC) determined in accordance with ASTM E 1332.	N/A - Building occupants not likely to be affected by exterior noise.		Jurisdiction	*(No additional documentation required)*
	5.507.4.1	**Prescriptive method** – At the locations listed below, building envelope wall and roof-ceiling assemblies shall have a minimum composite STC rating of 50, and exterior windows shall have a minimum STC rating of 40: • Within the 65 CNEL noise contour of an airport • Within the 65 CNEL or L_{eq} noise contour of a freeway, expressway, railroad, industrial source, or fixed guideway.	N/A - Building not within 65 CNEL noise contours of an airport, freeway, expressway, railroad, industrial source, or fixed guideway.		Jurisdiction	*(No additional documentation required)*
prescriptive method	5.507.4.1.1	**Noise exposure where noise contours not readily available** – Buildings exposed to a noise level of 65 dB L_{eq}-1-hr during any hour of operation shall have exterior wall and roof-ceiling assemblies exposed to the noise source meeting a minimum composite STC rating of 45, with exterior windows of a minimum STC of 40.	N/A - Building not exposed to noise level of 65 dB L_{eq}-1-hr during any hour of operation.		Jurisdiction	*(No additional documentation required)*
	5.507.4.2	**Performance method** – For buildings located as defined in Section 5.507.4.1 or 5.507.4.1.1, wall and roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall be constructed to provide an interior noise environment attributable to exterior sources that does not exceed an hourly equivalent noise level of 50dBA in occupied areas during any hour of operation.	N/A - Building not within categories of sound concern.		Jurisdiction	*(No additional documentation required)*
	5.507.4.2.1	**Site features** – Exterior features such as sound walls or earth berms may be utilized as appropriate to the building, addition or alteration project to mitigate sound migration to the interior.	N/A - No site features provided to mitigate sound.		Jurisdiction	*(No additional documentation required)*
performance method	5.507.4.2.2	**Documentation of compliance** – An acoustical analysis documenting complying interior sound levels shall be prepared by personnel approved by the architect or engineer or record.	N/A - Building not within categories of sound concern.		Jurisdiction	*(No additional documentation required)*
	5.507.4.3	**Interior sound transmission** – Wall and floor-ceiling assemblies separating tenant spaces from other tenant spaces or public spaces shall have an STC of at least 40.	N/A - Building contains no tenant spaces.		Jurisdiction	*(No additional documentation required)*
✓	5.508.1	**Ozone depletion and greenhouse gas reductions** – Installations of HVAC, refrigeration, and fire suppression shall not contain CFCs or Halons.	Refer to notes on mechanical plans.		Contractor / Installer	Product data for refrigerants and/or fire suppression materials
	5.508.2	**Supermarket refrigerant leak reduction** – New commercial refrigeration systems shall comply with the provisions of this section when installed in retail food stores that both: • have 8,000 s.f. or more of conditioned area • utilize either refrigerated display cases, walk-in coolers, or walk-in freezers connected to remote compressor units or condensing units	N/A - Project provides no commercial refrigerated display cases, walk-in coolers, or walk-in freezers		Contractor / Installer	Product data for refrigerants and/or fire suppression materials

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY

Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED ARCHITECT SAMUEL G. [redacted] STATE OF CALIFORNIA 3-31-25

NOT FOR CONSTRUCTION

08.23.24	BID SET

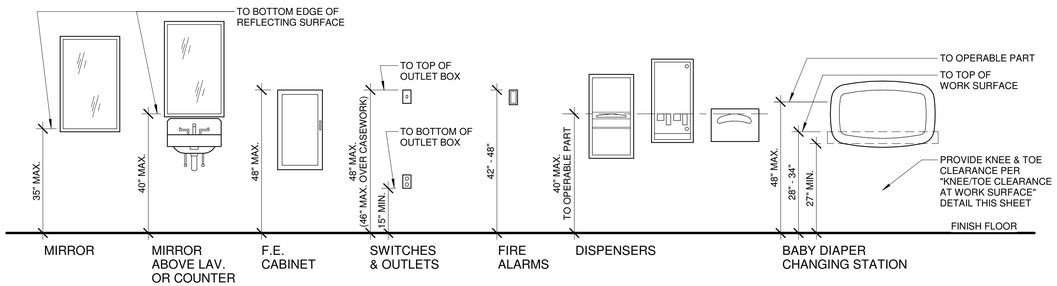
CALGREEN CODE COMPLIANCE

T2.2

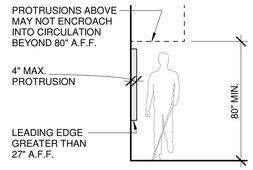
[redacted]

8/26/2024 3:30:03 PM

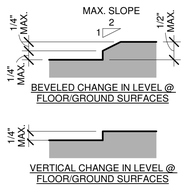
Copyright WMB, Inc.



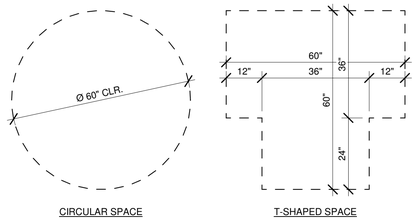
L MOUNTING HEIGHTS
1/2" = 1'-0"



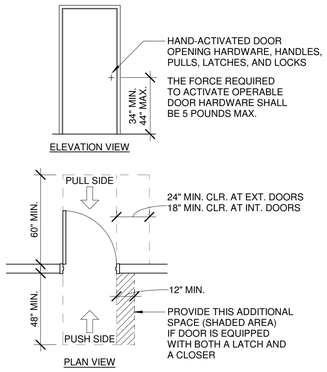
M PROTRUSION LIMITS
1/4" = 1'-0"



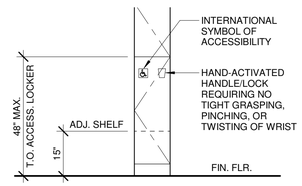
N VERTICAL OFFSETS
6" = 1'-0"



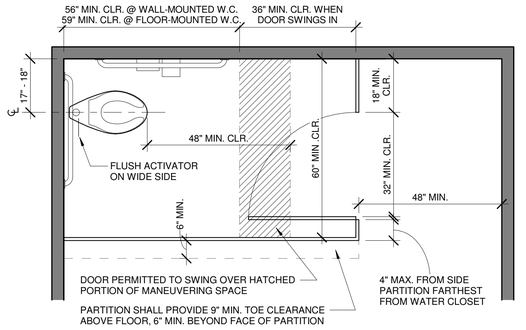
P TURNING SPACE
1/2" = 1'-0"



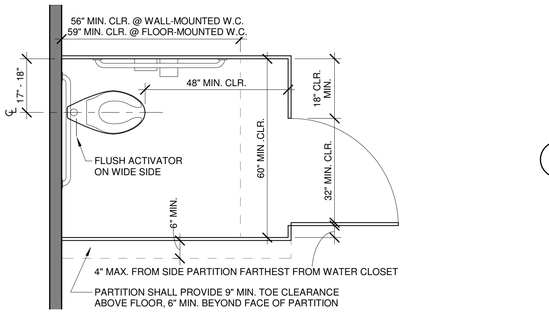
J ACCESSIBLE DOOR
1/4" = 1'-0"



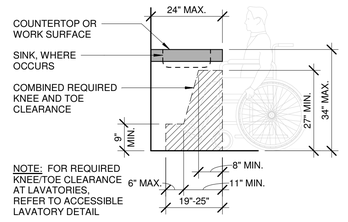
K LOCKER
1/2" = 1'-0"



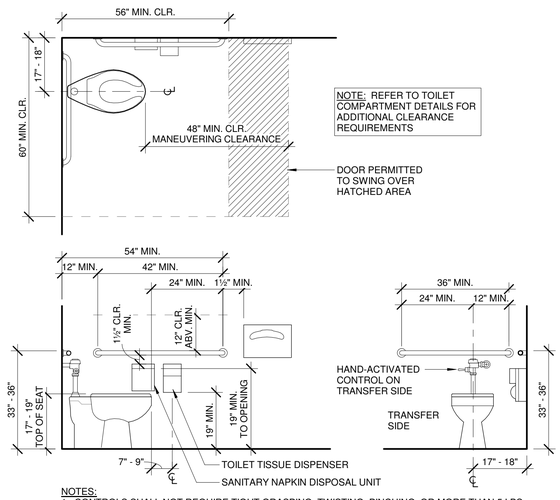
E ACC. R.R. STALL - END-OPENING DOOR INWARD
1/2" = 1'-0"



F ACC. R.R. STALL - END-OPENING DOOR OUTWARD
1/2" = 1'-0"

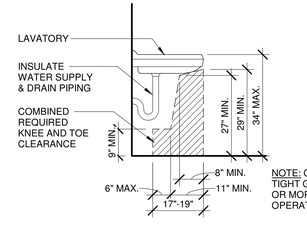


G KNEE-TOE CLR. @ WORK SURFACE
1/2" = 1'-0"



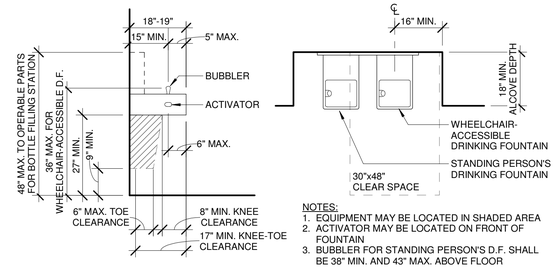
NOTES:
1. CONTROLS SHALL NOT REQUIRE TIGHT GRASPING, TWISTING, PINCHING, OR MORE THAN 5 LBS. OF FORCE TO OPERATE.
2. THE REQUIRED CLEARANCE AROUND THE WATER CLOSET SHALL BE PERMITTED TO OVERLAP THE WATER CLOSET, ASSOCIATED GRAB BARS, DISPENSERS, SANITARY NAPKIN DISPOSAL UNITS, COAT HOOKS, SHELVES, ACCESSIBLE ROUTES, CLEAR FLOOR SPACE & CLEARANCES REQUIRED AT OTHER FIXTURES, AND THE TURNING SPACE. NO OTHER FIXTURES OR OBSTRUCTIONS SHALL BE LOCATED WITHIN THE REQUIRED WATER CLOSET CLEARANCE.

A ACCESSIBLE WATER CLOSET
1/2" = 1'-0"



NOTE: CONTROLS SHALL NOT REQUIRE TIGHT GRASPING, TWISTING, PINCHING, OR MORE THAN 5 LBS. OF FORCE TO OPERATE

B ACCESSIBLE URINAL
1/2" = 1'-0"



NOTES:
1. EQUIPMENT MAY BE LOCATED IN SHADED AREA
2. ACTIVATOR MAY BE LOCATED ON FRONT OF FOUNTAIN
3. BUBBLER FOR STANDING PERSON'S D.F. SHALL BE 38" MIN. AND 43" MAX. ABOVE FLOOR

OPTIONAL BOTTLE FILLING STATION:
IF ONLY ONE BOTTLE FILLING STATION IS PROVIDED, IT MUST BE LOCATED AT THE WHEELCHAIR-ACCESSIBLE DRINKING FOUNTAIN

C ACCESSIBLE LAVATORY
1/2" = 1'-0"



D DRINKING FOUNTAIN ALCOVE
1/2" = 1'-0"

WMB ARCHITECTS
5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
Walnut Park Library
2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED ARCHITECT SAMUEL G. [redacted] No. C-31-25 STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

08.23.24	BID SET

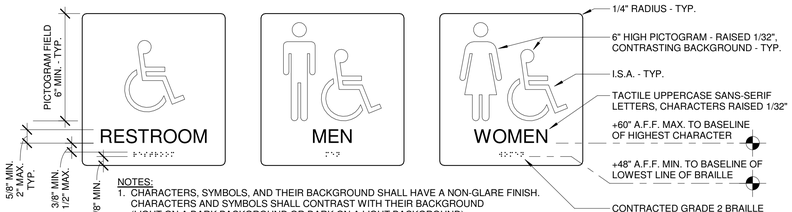
BUILDING ACCESSIBILITY DETAILS

T3.1

[redacted]

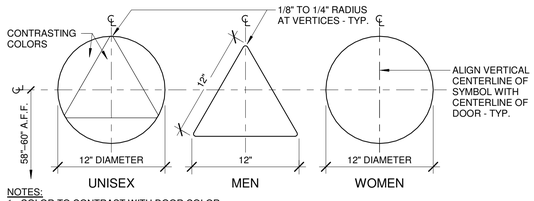
8/26/2024 3:30:04 PM

Copyright WMB, Inc.



NOTES:
1. CHARACTERS, SYMBOLS, AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND (LIGHT ON A DARK BACKGROUND OR DARK ON A LIGHT BACKGROUND)
2. REFER TO TACTILE SIGN LOCATION DETAIL FOR SIGN LOCATION RELATIVE TO DOORS
3. BRAILLE SHALL COMPLY WITH THE REQUIREMENTS OF CHAPTER 11B OF THE C.B.C., LATEST EDITION
4. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION

G RESTROOM IDENTIFICATION WALL SIGNAGE
3" = 1'-0"

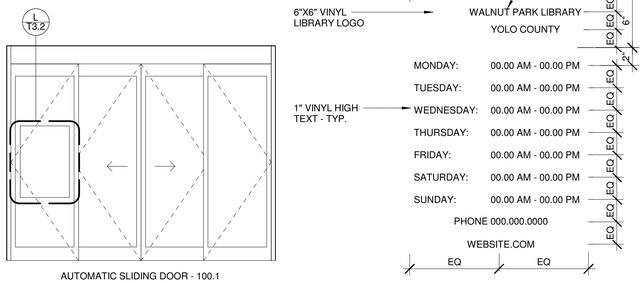


NOTES:
1. COLOR TO CONTRAST WITH DOOR COLOR
2. NO PICTOGRAM REQUIRED
3. NO BRAILLE OR TEXT ON THIS SIGN
4. EDGES OF GEOMETRIC SYMBOLS SHALL BE EASED OR ROUNDED AT 1/16" MIN. OR CHAMFERED AT 1/8" MAX.

H RESTROOM GEOMETRIC DOOR SYMBOLS
1 1/2" = 1'-0"

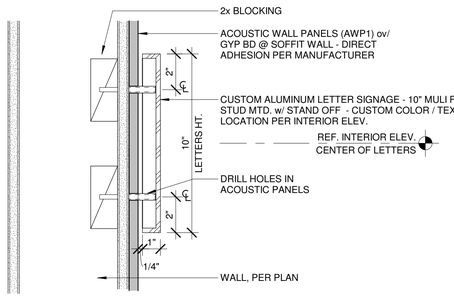
INFORMATIONAL SIGNAGE: NO BRAILLE REQUIRED. SUBSURFACE CHARACTERS, NON-TACTILE TEXT, UPPER CASE, NON-GLARE FINISH. CHARACTERS & SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND

J MAX OCCUPANCY SIGN
1 1/2" = 1'-0"

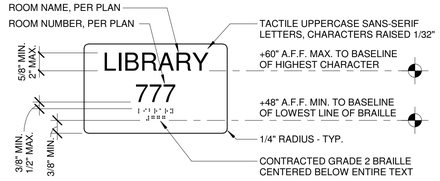


L LIBRARY INFO - DOOR VINYL SIGNAGE
1 1/2" = 1'-0"

NOTE: FINAL INFORMATION TO BE PROVIDED BY THE LIBRARY

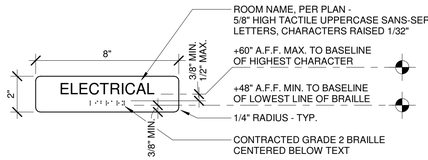


K LETTER SIGNAGE - ROOM NAME
3" = 1'-0"



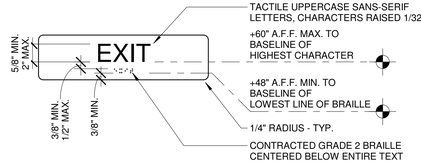
NOTES:
1. CHARACTERS, SYMBOLS, AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND (LIGHT ON A DARK BACKGROUND OR DARK ON A LIGHT BACKGROUND)
2. REFER TO TACTILE SIGN LOCATION DETAIL FOR SIGN LOCATION RELATIVE TO DOORS
3. BRAILLE SHALL COMPLY WITH THE REQUIREMENTS OF CHAPTER 11B OF THE C.B.C., LATEST EDITION
4. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION

D ROOM IDENTIFICATION SIGN
3" = 1'-0"



NOTES:
1. CHARACTERS, SYMBOLS, AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND (LIGHT ON A DARK BACKGROUND OR DARK ON A LIGHT BACKGROUND)
2. REFER TO TACTILE SIGN LOCATION DETAIL FOR SIGN LOCATION RELATIVE TO DOORS
3. BRAILLE SHALL COMPLY WITH THE REQUIREMENTS OF CHAPTER 11B OF THE C.B.C., LATEST EDITION
4. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION

E SECONDARY ROOM IDENTIFICATION SIGN
3" = 1'-0"



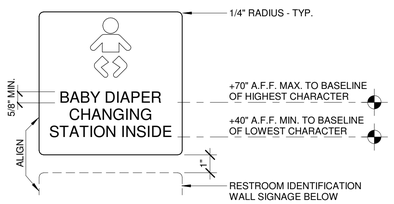
ALTERNATE SIGN TYPES (REFER TO SCHEDULE):

EXIT ROUTE

TO EXIT

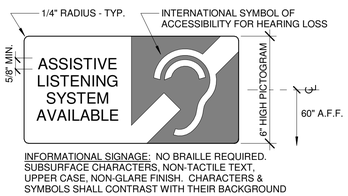
NOTES:
1. CHARACTERS, SYMBOLS, AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND (LIGHT ON A DARK BACKGROUND OR DARK ON A LIGHT BACKGROUND)
2. REFER TO TACTILE SIGN LOCATION DETAIL FOR SIGN LOCATION RELATIVE TO DOORS
3. BRAILLE SHALL COMPLY WITH THE REQUIREMENTS OF CHAPTER 11B OF THE C.B.C., LATEST EDITION
4. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION

F TACTILE EXIT SIGN
3" = 1'-0"



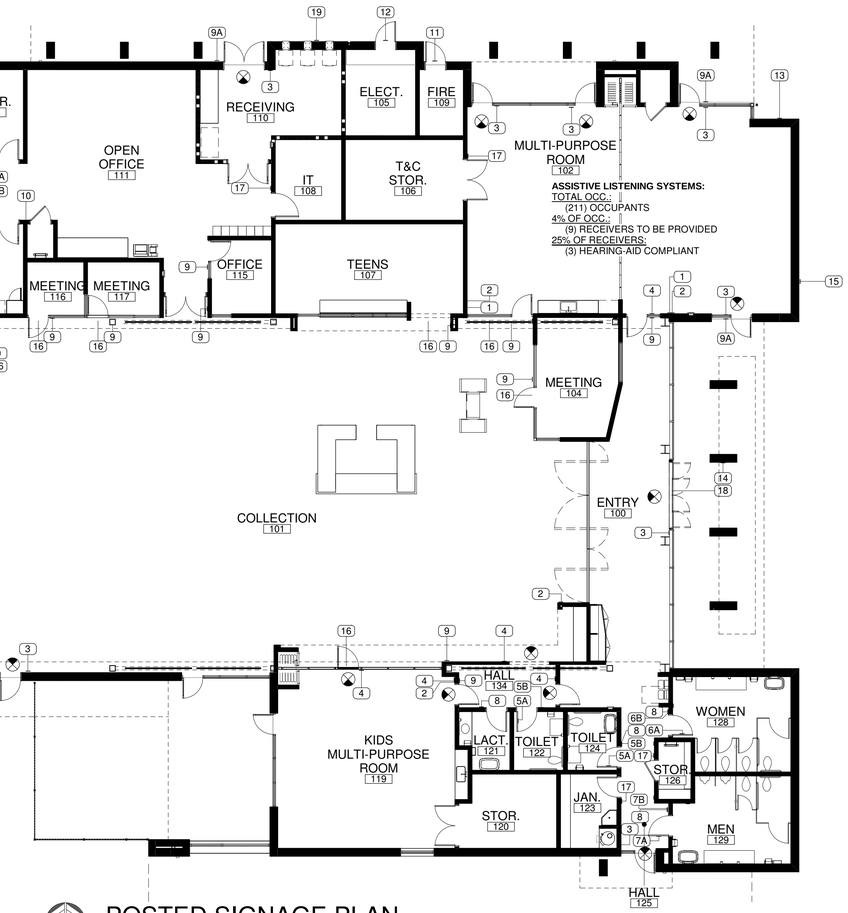
INFORMATIONAL SIGNAGE: NO BRAILLE REQUIRED. SUBSURFACE CHARACTERS, NON-TACTILE TEXT, UPPER CASE, NON-GLARE FINISH. CHARACTERS & SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND

B BABY CHANGING STATION SIGNAGE
3" = 1'-0"

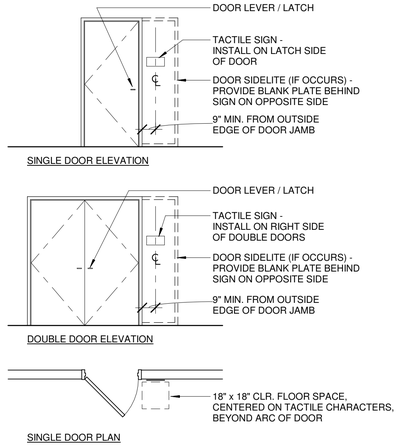


INFORMATIONAL SIGNAGE: NO BRAILLE REQUIRED. SUBSURFACE CHARACTERS, NON-TACTILE TEXT, UPPER CASE, NON-GLARE FINISH. CHARACTERS & SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND

C ASSISTIVE LISTENING SYSTEM SIGN
3" = 1'-0"



POSTED SIGNAGE PLAN
3/32" = 1'-0"



A TYP. TACTILE SIGN LOCATION AT DOOR
1/4" = 1'-0"

POSTED SIGNAGE SCHEDULE

NO.	QTY	SIGN TYPE	TEXT	DETAIL
1	2	ASSISTIVE LISTENING SYSTEM AVAILABILITY	(REFER TO DETAIL)	C
2	4	MAXIMUM OCCUPANCY	COLLECTION: "MAXIMUM OCCUPANCY 93" - MULTI-PURPOSE ROOM: "MAXIMUM OCCUPANCY 211"	J
3	9	EXIT - EXTERIOR DOOR	EXIT	F
4	5	EXIT - INTERIOR DOOR	EXIT ROUTE	F
5A	3	RESTROOM DOOR SYMBOL - UNISEX	-	H
5B	3	RESTROOM ID w/ ISA - UNISEX	RESTROOM	G
6A	1	RESTROOM DOOR SYMBOL - WOMEN	-	H
6B	1	RESTROOM ID w/ ISA - WOMEN	WOMEN	G
7A	1	RESTROOM DOOR SYMBOL - MEN	-	H
7B	1	RESTROOM ID w/ ISA - MEN	MEN	G
8	4	BABY DIAPER CHANGING STATION	(REFER TO DETAIL)	B
9	11	ROOM ID	PER OWNER PROVIDED ROOM NAME	D
9A	3	ROOM ID	PER OWNER PROVIDED ROOM NAME	
10	1	ROOF ACCESS	ROOF ACCESS	E
11	1	FIRE RISER DOOR	FIRE RISER	E
12	1	ELECTRICAL ROOM DOOR	ELECTRICAL ROOM	E
13	1	BUILDING ADDRESS (PER EXTERIOR ELEVS. & SPECS.)	2700	
14	1	BUILDING DEDICATION SIGN	CONFIRM SIZE/TYPE/DESIGN w/OWNER	
15	1	BUILDING SIGNAGE (PER EXTERIOR ELEVS. & SPECS.)	WALNUT PARK LIBRARY	
16	7	ROOM NAME (EXTRUDED LETTERS PER SPECS.)	(ROOM NAME PER INTERIOR ELEVATIONS)	K
17	4	ROOM ID - SECONDARY	PER OWNER PROVIDED ROOM NAME	E
18	1	LIBRARY INFO- DOOR VINYL SIGNAGE	PER OWNER PROVIDED INFORMATION	L
19	1	BUILDING SIGNAGE (PER EXTERIOR ELEVS. & SPECS.)	BOOK RETURN	

NOTE: DETAIL REFERENCES REFER TO DETAILS THIS SHEET U.O.N.

LEGEND

- SIGNAGE LOCATION SYMBOL
- (1) SIGNAGE TYPE - REFER TO SCHEDULE
- ILLUMINATED EXIT SIGN - REF. ELECTRICAL DWGS.

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY

Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED ARCHITECT SAMUEL G. WHITE 31-25 STATE OF CALIFORNIA

NOT FOR CONSTRUCTION

08.23.24	BID SET

POSTED SIGNAGE PLAN + DETAILS

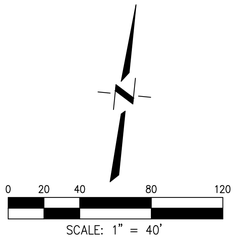
T3.2

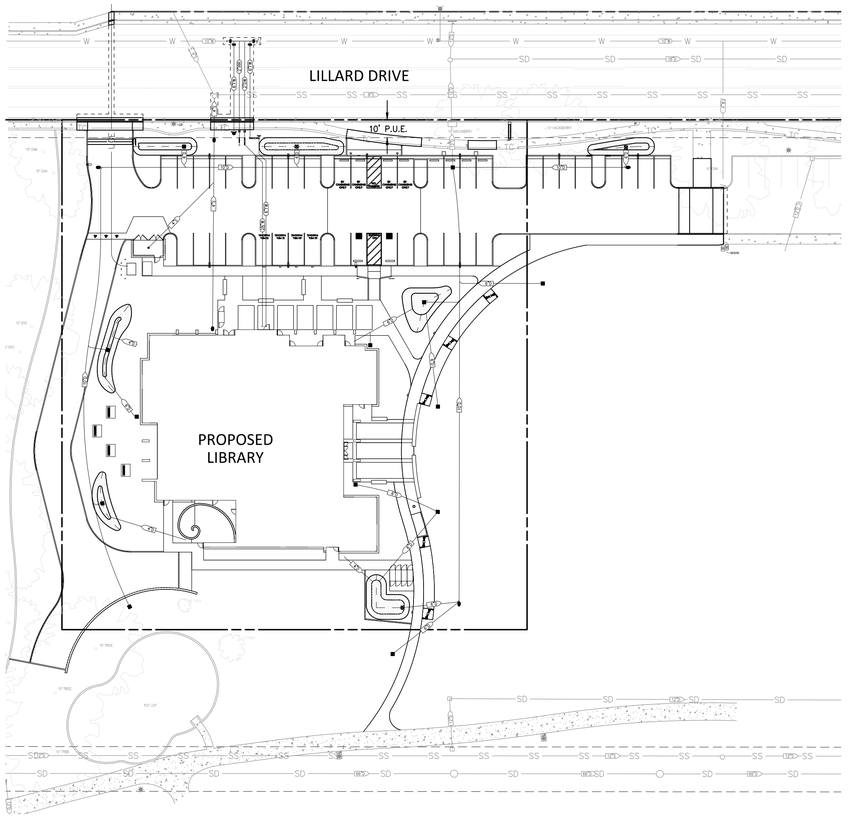
8/26/2024 3:30:06 PM

Copyright WMB, Inc.

CIVIL IMPROVEMENT PLANS FOR
WALNUT PARK LIBRARY
2700 LILLARD DRIVE

CITY OF DAVIS YOLO COUNTY
CALIFORNIA
AUGUST 2024





SITE MAP
SCALE: 1" = 40'



VICINITY MAP
1"=500'

ABBREVIATIONS:

AB	AGGREGATE BASE
AC	ASPHALT CONCRETE
BOT	BOTTOM OF PLANTER ELEVATION
BOW	BOTTOM OF WALL
CAMUTCD	CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
CH	CHORD
CL	CENTERLINE
CLR	CLEAR
CO	CLEAN OUT
CONT	CONTINUOUS
CR	CURB RETURN
D	STORM DRAIN LINE, DELTA ANGLE
DI	DRAIN INLET
DG	DECOMPOSED GRANITE
E	EAST
EG	EXISTING GRADE
EL, ELEV	ELEVATION
EP	EDGE OF PAVEMENT
ESMT	EASEMENT
EX	EXISTING
FB	FLUSHER BRANCH
FC	FACE OF CURB
FD	FOUND
FF	FINISHED FLOOR ELEVATION
FL	FLOW LINE ELEVATION
FS	FINISH SURFACE ELEVATION
FW	FIRE WATER
GALV	GALVANIZED
GB	GRADE BREAK
GR	GRATE ELEVATION
HDPE	HIGH DENSITY POLYETHYLENE
HOR	HORIZONTAL
HP	HIGH POINT
INTX	INTERSECTION
INV	PIPE OR MANHOLE INVERT ELEVATION
I.O.D.	IRREVOCABLE OFFER OF DEDICATION
IP	IRON PIPE
JT	JOINT TRENCH UTILTIES
L	LEFT, LENGTH
LD	LANDSCAPE DRAIN
LF	LINEAR FEET
LIP	LIP OF GUTTER
LP	LOW POINT
LT	LEFT
MA	MATCH
MAX	MAXIMUM
MH	MAINTENANCE HOLE
MIN	MINIMUM
N	NORTH
NTS	NOT TO SCALE
OC	ON CENTER
OHW	OVERHEAD WIRES
OR	SURFACE DRAINAGE OVERLAND RELEASE
P	PAD
PCC	PORTLAND CEMENT CONCRETE
PERF	PERFORATED
PIV	POST INDICATOR VALVE
PL	PROPERTY LINE
PSI	POUNDS PER SQUARE INCH
PUE.	PUBLIC UTILITY EASEMENT
R	RIGHT, RADIUS
R.C.	RELATIVE COMPACTION
RCP	REINFORCED CONCRETE PIPE
RIM	MANHOLE RIM ELEVATION
RT	RIGHT
R/W	RIGHT OF WAY
SCH	SCHEDULE
S/W	SIDEWALK
S	SANITARY SEWER, SOUTH, SLOPE
SSCO	SANITARY SEWER CLEAN OUT
SSMH	SANITARY SEWER MANHOLE
STD	STANDARD
SWQ	STORM WATER QUALITY
T	GRAVEL LAYER THICKNESS
TBC	TOP BACK OF CURB
T&G	TONGUE AND GROOVE
TC	TOP OF CURB
T.I.	TRAFFIC INDEX
TOP	TOP OF PLANTER ELEVATION
TOW	TOP OF WALL
TYP	TYPICAL
VERT	VERTICAL
W	WATER LINE, WEST

LEGEND:

	NEW / PROPOSED	EXISTING
SUBDIVISION BOUNDARY	N/A	
EASEMENT LINE	N/A	
RIDGE		N/A
SWALE, FLOWLINE		N/A
JOINT TRENCH UTILTIES	N/A	
DOMESTIC WATER LINE WITH VALVE	6"W	6"W
WATER METER & BACKFLOW		N/A
FIRE HYDRANT ASSEMBLY	6"FW	6"W
FIRE WATER LINE WITH VALVE	8"FW	N/A
FIRE SPRINKLER SERVICE	6"FW	N/A
SEWER LINE W/M.H. & CLEANOUT	6"S	8"S
DRAIN LINE W/M.H. AND INLET	6"D	18"D
BARRIER CURB		
VERTICAL CURB & GUTTER		
SLOPE GRADE	1.5%	N/A
ELEVATION	34.70	34.6 34.5
STREET LIGHT	N/A	
FENCE	N/A	X X
TREE	N/A	
RETAINING WALL		N/A

SERVICE PROVIDERS:

GAS
PACIFIC GAS AND ELECTRIC (PG&E)
(800) 743-5000
ELECTRICITY
PACIFIC GAS AND ELECTRIC (PG&E)
(800) 743-5000
CABLE TELEVISION
COMCAST
(800) 824-2000
WATER
CITY OF DAVIS PUBLIC WORKS DEPT
(530) 757-5686
SEWAGE AND DRAINAGE
CITY OF DAVIS PUBLIC WORKS DEPT
(530) 757-5686
TELEPHONE
AT&T
(800) 222-0300
FIRE DEPARTMENT
CITY OF DAVIS FIRE DEPT
(530) 757-5684
U.S.A.
(800) 227-2600
GARBAGE & RECYCLING
RECOLOGY
(530) 756-4646

SHEET INDEX

C1.0 CIVIL COVER SHEET
CD1.0 SITE DEMOLITION PLAN
C1.1 CIVIL NOTES
C1.2 SITE GRADING PLAN
C1.3 SITE UTILITY PLAN
C1.4 SITE PAVING PLAN
C1.5 SITE EROSION CONTROL PLAN
C1.6 SITE STORMWATER QUALITY PLAN
C1.7 BID ALTERNATE #2 - P.V. COVER
C2.0 CITY OF DAVIS ENCROACHMENT PERMIT WORK

OWNER:

COUNTY OF YOLO GENERAL SERVICES DEPARTMENT
101 IMPERIAL STREET
WOODLAND, CA 95695
530-666-8888

ASSESSORS PARCEL NUMBERS

069-460-055-000 AND 069-460-056-000

LEGAL DESCRIPTION

A PORTION OF LOT 277 OF OAKSHADE UNIT NO. 12, SUBDIVISION NO. 4141, FILED IN MAP BOOK 19, PAGES 4 THROUGH 8, YOLO COUNTY RECORDS.

BASIS OF BEARINGS

IDENTICAL TO THAT OF MAP BOOK 19, PAGES 4-8, YOLO COUNTY RECORDS.

BENCHMARK

PID: JS-4556, DISK SET IN TOP OF CONCRETE MONUMENT, STAMPED CASTRO 1939, RESET 1954. NAVD 1988 ELEVATION 17.4

DISTURBED AREA

1.8± ACRES

FLOOD ZONE

FEMA FIRM #06113C0611G (JUNE 18, 2010) - ZONE X

WDID#:

5S57C404759

PRIVATE FACILITIES:

ON-SITE WATER, SEWER AND STORM DRAINAGE FACILITIES BEYOND THE BACKFLOW, CLEANOUT AND INLET RESPECTIVELY WILL BE PRIVATELY OWNED AND MAINTAINED.

CITY OF DAVIS REVIEW: CITY OF DAVIS REVIEW IS FOR ENCROACHMENT PERMIT WORK ONLY (SEE SHEET C2.0). CONTRACTOR SHALL SECURE AN ENCROACHMENT PERMIT FROM THE CITY OF DAVIS PRIOR TO PERFORMING ANY WORK WITHIN THE CITY RIGHT-OF-WAY.

REVIEWED:_____
CITY ENGINEER
REG. ENGR.LIC.NO._____
DWG. NO.:

DRAWING STATUS:

- ○ PLAN REVIEW - 100% CD'S
- ○ PERMIT SET
- ● BID SET
- ○ CONSTRUCTION SET

WMB ARCHITECTS
5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

Walnut Park Library
2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

CUNNINGHAM ENGINEERING
CECWEST.COM
Davis Office
2940 Spafford Street
Suite 200
Davis, CA 95618
(530) 756-2026
Sacramento Office
2120 20th Street
Suite Three
Sacramento, CA 95818
(916) 405-2026

DATE SIGNED: _____
THESE DRAWINGS ARE NOT CONSIDERED FINAL UNTIL THE ENGINEER'S SEAL BELOW HAS BEEN SIGNED AND DATED.

REGISTERED PROFESSIONAL ENGINEER DANIEL A. CUNNINGHAM CIVIL STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

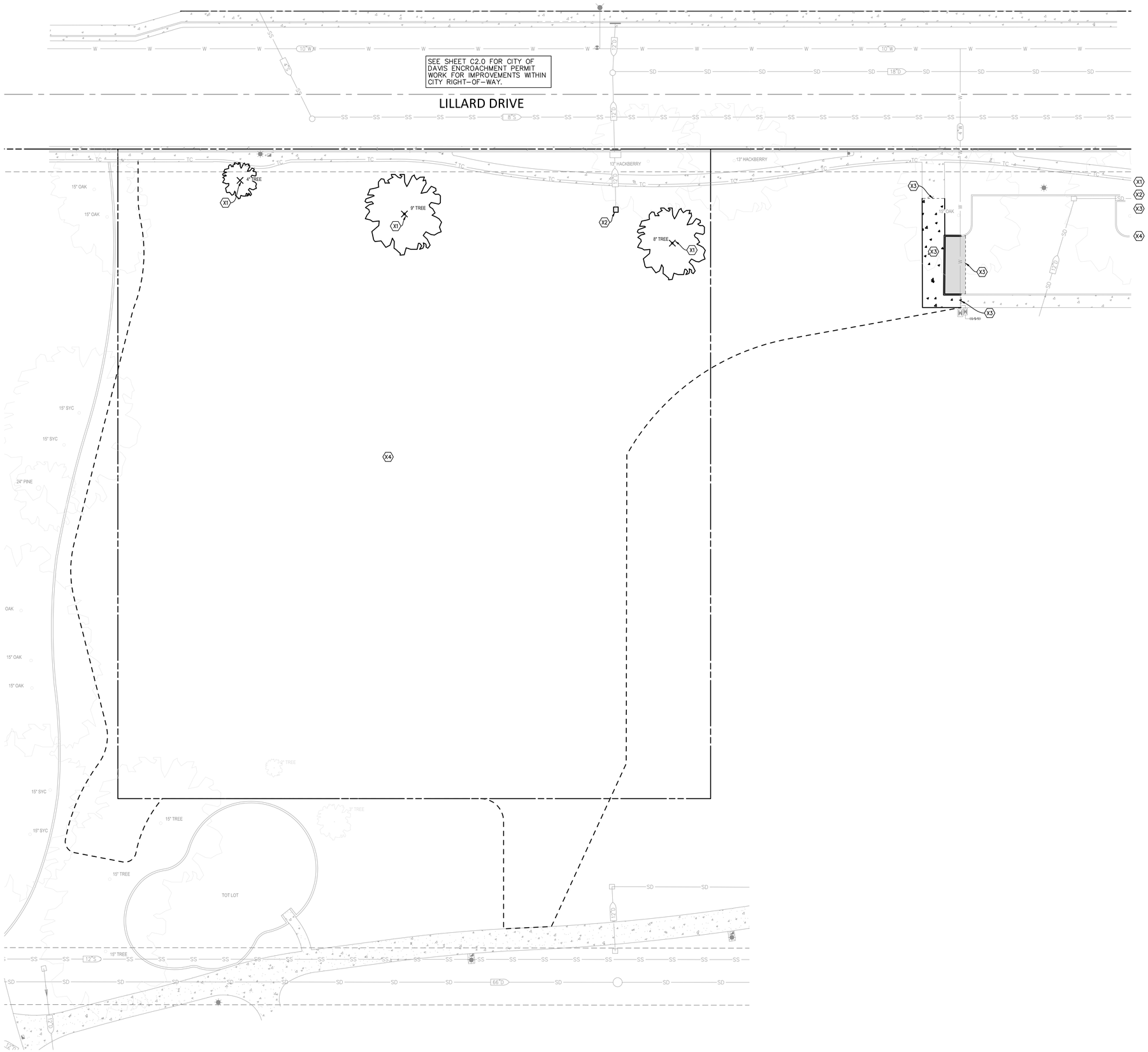
08.23.24	BID SET

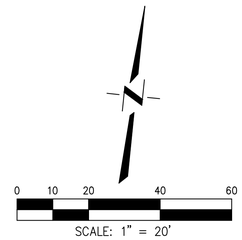
CIVIL COVER SHEET

C1.0

8/31/2023 9:21:09 AM Copyright WMB, Inc.

S:\Projects\1800\1992 South Davis Library\AutoCAD\1992-04 CD\SHEETS\1992-04-C1.0-COVR.dwg - C1.0 8/26/2024 - 1:45PM Plotted by: Robb





DEMOLITION KEYNOTES:

X1 REMOVE EXISTING TREE AND ROOTS GREATER THAN 1" IN DIAMETER.

X2 REMOVE EXISTING DRAIN INLET.

X3 SAWCUT AND REMOVE EXISTING ASPHALT PAVEMENT, CURBS AND CONCRETE SIDEWALK TO APPROXIMATE LIMITS INDICATED. CONCRETE REMOVAL / REPLACEMENT SHALL BE TO NEAREST JOINT BEYOND LIMITS INDICATED.

X4 REMOVE EXISTING IRRIGATION SYSTEM UPON SUCCESSFUL RELOCATION OF IRRIGATION SYSTEM PER LANDSCAPE DRAWINGS. CLEAR AREA OF WORK PER PROJECT SITE CLEARING SPECIFICATIONS.

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

Walnut Park Library
2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

CUNNINGHAM ENGINEERING
Davis Office
2940 Spafford Street
Suite 200
Davis, CA 95618
(530) 758-3295

GEOMIST.COM
Sacramento Office
2120 20th Street
Suite Three
Sacramento, CA 95818
(916) 455-2026

DATE SIGNED: _____

THESE DRAWINGS ARE NOT CONSIDERED FINAL UNTIL THE ENGINEER'S SEAL BELOW HAS BEEN SIGNED AND DATED.

REGISTERED PROFESSIONAL ENGINEER
DANIEL A. FOX
No. C087
CIVIL
STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

08.23.24	BID SET

SITE DEMOLITION PLAN

CD1.0

8/31/2023 9:21:09 AM
Copyright WMB, Inc.

S:\Projects\1900\1992 South Davis Library\AutoCAD\1992-04 CD\SHEETS\1992-04-CD1.0-DEMO.dwg - CD1.0 8/26/2024 - 1:45PM Plotted by: Rob

GENERAL NOTES:

1. ALL CONSTRUCTION AND MATERIALS, WITHIN THE PUBLIC RIGHT-OF-WAY OR UNDER THE JURISDICTION OF THE CITY OF DAVIS, SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE CITY OF DAVIS STANDARD SPECIFICATIONS AND 2017 STANDARD PLANS AND ANY ADDENDUM THERETO. OTHER CONSTRUCTION SHALL ALSO BE IN ACCORDANCE WITH SAID CITY'S STANDARDS EXCEPT AS NOTED ON THESE PLANS.
2. THE CONTRACTOR SHALL BE IN RECEIPT OF APPROVED PLANS PRIOR TO BEGINNING ANY WORK SHOWN ON THESE PLANS.
3. THE TYPES, LOCATIONS, SIZES, AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZE, LOCATION, AND DEPTH OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE ALL UNDERGROUND FACILITIES, HOWEVER, THE ENGINEER CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND FACILITIES NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS WHICH ARE NOT SHOWN ON THESE PLANS. IF NO ELEVATION IS SHOWN ON THE PLANS THE CONTRACTOR SHALL ASSUME THE ELEVATION TO BE UNKNOWN.
4. THE CONTRACTOR IS TO EXPOSE THE END OF EXISTING UNDERGROUND UTILITIES AT POINTS OF CONNECTION AND SHALL VERIFY LOCATION AND DEPTH OF FACILITIES PRIOR TO EXCAVATION OF PROPOSED UTILITY. ALL COSTS FOR SUCH EXCAVATION SHALL BE INCLUDED IN PRICES FOR VARIOUS ITEMS OF WORK.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPORTING ALL CONFLICTS, ERRORS, OMISSIONS, ETC. TO THE ENGINEER IMMEDIATELY UPON DISCOVERY. IF SO DIRECTED BY THE ENGINEER OR THE CITY OF DAVIS, THE CONTRACTOR SHALL STOP WORK UNTIL MITIGATION CAN BE MADE. ANY COSTS INCURRED RESULTING FROM THE CONTRACTOR'S FAILURE TO STOP WORK AS DIRECTED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
6. ALL UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE. CALL "UNDERGROUND SERVICE ALERT" 1-800-227-2600 FORTY-EIGHT (48) HOURS BEFORE DIGGING.
7. ALL WORK SHALL BE SUBJECT TO THE INSPECTION AND APPROVAL OF THE APPROPRIATE PUBLIC AGENCY OR OWNER. WORK SHALL NOT BE COVERED PRIOR TO INSPECTION AND APPROVAL. REJECTED WORK SHALL BE REDONE AT THE CONTRACTOR'S EXPENSE.
8. EXISTING ASPHALTIC CONCRETE SURFACE SHALL BE SAWCUT TO A NEAT STRAIGHT LINE AND THE EXPOSED EDGE SHALL BE TACKED WITH EMULSION PRIOR TO PAVING. THE EXPOSED BASE MATERIAL SHALL BE GRADED, RECOMPACTED AND RESEALED PRIOR TO PAVING.
9. IF SUBSURFACE PALEONTOLOGICAL, ARCHAEOLOGICAL OR HISTORICAL RESOURCES OR REMAINS, INCLUDING UNUSUAL AMOUNT OF BONES, STONES, SHELLS OR POTTERY SHARDS ARE DISCOVERED DURING EXCAVATION OR CONSTRUCTION OF THE SITE, WORK SHALL STOP IMMEDIATELY AND A QUALIFIED ARCHAEOLOGIST AND A REPRESENTATIVE OF THE NATIVE AMERICAN HERITAGE COMMISSION SHALL BE CONSULTED TO DEVELOP, IF NECESSARY, FURTHER MEASURES TO REDUCE ANY CULTURAL RESOURCE IMPACT BEFORE CONSTRUCTION CONTINUES.
10. THE CONTRACTOR MUST SUBMIT A TRAFFIC CONTROL PLAN TO THE CITY ENGINEER FOR APPROVAL PRIOR TO COMMENCING ANY DEMOLITION OR CONSTRUCTION ON ANY EXISTING STREET. THE TRAFFIC CONTROL PLAN SHALL PROVIDE FOR TWO WAY TRAFFIC AT ALL TIMES. ALL SIGNAGE SHALL CONFORM TO THE MOST RECENT VERSION OF THE STATE OF CALIFORNIA DEPT. OF TRANSPORTATION, "MANUAL OF TRAFFIC CONSTRUCTION AND MAINTENANCE WORK ZONES".
11. CONSTRUCTION OF ACCESS RAMPS SHALL BE IN STRICT CONFORMANCE WITH THE MOST RECENT EDITIONS OF THE CITY OF DAVIS STANDARDS AND SPECIFICATIONS, TITLE 24 OF THE CALIFORNIA BUILDING CODE, FEDERAL AMERICANS WITH DISABILITIES ACT AND STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS A88A AND A88B.
12. AT THE CONCLUSION OF ITS WORK, THE CONTRACTOR SHALL REPAIR OR REPLACE IN KIND ALL DAMAGED PROPERTY (PUBLIC AND PRIVATE) FOR WHICH HE IS RESPONSIBLE (INCLUDING CURB, GUTTER, AND SIDEWALK), INCLUDING PREEXISTING DAMAGE. THE WORK SITE AND ADJACENT AREAS SHALL BE CLEANED UP. THIS REPAIR AND REPLACEMENT, AND CLEAN UP WORK SHALL BE SUBJECT TO THE APPROVAL AND ACCEPTANCE OF THE OWNER OR CITY ENGINEER AS IS APPROPRIATE.
13. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.
14. THE CONTRACTOR SHALL PROVIDE CONSTRUCTION STAKING AT NO ADDITIONAL COST TO OWNER.
15. AN ENCROACHMENT PERMIT IS REQUIRED FOR WORK WITHIN THE CITY RIGHT-OF-WAY AND PUBLIC UTILITY EASEMENTS. THE PERMIT IS ISSUED THROUGH THE PUBLIC WORKS DEPARTMENT AND SHALL BE OBTAINED BY THE CONTRACTOR.
16. DRIVEWAYS SHALL BE PER CITY OF DAVIS STANDARD PLANS FOR HEAVY DRIVEWAY. DRIVEWAYS SHALL BE CONSTRUCTED TO ACCESSIBLE STANDARDS.
17. CUNNINGHAM ENGINEERING CORPORATION HAS EXERCISED A REASONABLE AND ACCEPTABLE STANDARD OF CARE IN THE PREPARATION OF THESE PLANS, HOWEVER, THE DESIGN PROCESS INCLUDES ACTIVITIES OCCURRING AFTER PLAN SIGNATURE. THESE ACTIVITIES INCLUDE CALCULATIONS, PLAN CHECK AND VERIFICATIONS DURING CONSTRUCTION. SHOULD PERSONS OTHER THAN CUNNINGHAM ENGINEERING CORPORATION PERFORM THE CONSTRUCTION STAKING OPERATION, THEY SHALL INDEMNIFY CUNNINGHAM ENGINEERING CORPORATION FROM ANY DAMAGES RESULTING FROM FAILURE TO PERFORM THESE TASKS OR ANY EXPENSE OR DAMAGE RESULTING FROM OMISSION OR ERROR CONTAINED IN THE PLANS WHICH WOULD REASONABLY HAVE BEEN DISCOVERED AND CORRECTED BY CUNNINGHAM ENGINEERING CORPORATION.
18. UNAUTHORIZED CHANGES & USES: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.
19. ALL UTILITY WORK INCLUDING ELECTRICAL, GAS, TELEPHONE AND CABLE TV SHALL BE SUBJECT TO AN ENCROACHMENT PERMIT. NORMALLY THE UTILITY COMPANIES OBTAIN SEPARATE PERMIT FOR THEIR WORK. IT IS THE RESPONSIBILITY OF THE APPLICANT TO ENSURE THAT THIS HAS BEEN DONE PRIOR TO BEGINNING WORK.
20. ALL EXISTING UTILITY STRUCTURES (SHOWN OR NOT SHOWN ON THESE PLANS) WITHIN THE AREA OF WORK SHALL BE ADJUSTED OR RECONSTRUCTED TO THE FINISH GRADES SHOWN ON THESE PLANS.
21. THE EXISTING TOPOGRAPHY, EASEMENTS AND PROPERTY BOUNDARIES (AS SHOWN) ARE BASED ON A SURVEY PREPARED BY MORROW SURVEYING LAND SURVEYORS, DATED JULY 2023. THE CONTRACTOR SHALL FIELD VERIFY CURRENT SITE CONDITIONS.
22. OWNERS ARE RESPONSIBLE FOR PROPER AND CONTINUOUS MAINTENANCE OF TREATMENT CONTROL POST CONSTRUCTION BMP'S THROUGHOUT THE LIFETIME OF THE PROJECT.
23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ANY EXISTING SURVEY MONUMENTS AND OTHER SURVEY MARKERS DURING CONSTRUCTION.
24. THE CONTRACTOR SHALL CONDUCT OPERATIONS IN ACCORDANCE WITH CITY OF DAVIS REQUIREMENTS IN REGARD TO NOISE CONTROL, TRUCK ROUTES AND HOURS OF OPERATIONS.
25. CONTRACTOR SHALL SALVAGE AND REINSTALL AT THE COMPLETION OF THE PROJECT ANY SIGNS, INCLUDING BUT NOT LIMITED TO BUS STOP SIGNS, THAT ARE TO BE REMOVED TEMPORARILY DURING CONSTRUCTION OF THE PROJECT. TEMPORARY SIGNS SHALL BE INSTALLED SUBJECT TO REVIEW BY PUBLIC WORKS.
26. A WATER USE PERMIT SHALL BE OBTAINED FROM THE CITY OF DAVIS PUBLIC WORKS DEPARTMENT.
27. THE COST OF PROTECTION AND/OR REPAIR OF THE CONTRACTOR'S WORK AS AFFECTED BY STORM WATERS DURING INCLEMENT WEATHER SHALL BE THE CONTRACTOR'S RESPONSIBILITY UNTIL THE PUBLIC IMPROVEMENTS HAVE BEEN ACCEPTED BY THE CITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ADJACENT PROPERTIES OR IMPROVEMENTS AS A RESULT OF NOT PROTECTING SUCH AREAS FROM STORM WATERS FLOWING OUT OF THE WORK AREA.
28. THE CONTRACTOR SHALL CONTACT AND COORDINATE WITH ALL UTILITY COMPANIES FOR THE LOCATION AND PLACEMENT OF UTILITIES DURING CONSTRUCTION. NO EXCAVATION IS PERMITTED WITHIN 24" OF A GAS MAIN WITHOUT A REPRESENTATIVE OF PG&E PRESENT. CONTRACTOR IS RESPONSIBLE FOR COORDINATING UTILITY CONSTRUCTION AS REQUIRED TO AVOID CONFLICTS BETWEEN SEWER/WATER/STORM DRAIN AND JOINT TRENCH FACILITIES.
29. IF AT ANY TIME THE OWNER DEEMS IT NECESSARY FOR PROPER PROGRESS OF THE WORK OR TO AVOID UNACCEPTABLE INTERRUPTION OF CUSTOMER SERVICE, THE CONTRACTOR MAY BE REQUIRED TO PROSECUTE THE WORK AT NIGHT OR ON WEEKENDS. IN ADDITION, IF THE CONTRACTOR REQUESTS TO DO WORK AT NIGHT OR ON WEEKENDS, THEY MAY BE ALLOWED TO DO SO IF APPROVED BY THE OWNER. THE CONTRACTOR SHALL BEAR ALL COSTS FOR INSPECTION OF NIGHT AND WEEKEND WORK. NO SUCH WORK SHALL BE DONE UNLESS PREVIOUSLY APPROVED IN WRITING BY THE OWNER AND AGENCY.
30. ANY EXISTING WATER WELLS OR SEPTIC TANKS (FOUND PRIOR TO OR DURING CONSTRUCTION) WILL BE ABANDONED AND/OR PROPERLY DESTROYED PER COUNTY AND STATE REGULATIONS. EVIDENCE OF REQUIRED APPROVAL SHALL BE SUBMITTED TO THE ENGINEER AND THE CITY. COPIES OF PERMITS FOR ABANDONING ONSITE WELLS OR SEPTIC TANKS TO BE SUBMITTED TO CITY.
31. ALL MATERIALS DEMOLISHED PER THESE PLANS SHALL BE DISPOSED OF OFF-SITE AT THE CONTRACTOR'S EXPENSE, UNLESS OTHERWISE STATED.
32. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE ENGINEER ONE SET OF MARKED-UP "RECORD DRAWINGS" INDICATING THE PLAN CHANGES. THESE DRAWINGS ARE IN ADDITION TO THOSE WHICH MAY BE REQUIRED BY OTHERS. THESE "RECORD DRAWINGS" SHALL BE USED TO VERIFY ANY MODIFICATIONS TO CONTRACT QUANTITIES AND MUST BE SUBMITTED PRIOR TO INVOICING THE FINAL PROGRESS BILLING.
33. A PRE-CONSTRUCTION MEETING SHALL BE SCHEDULED PRIOR TO CONSTRUCTION PER CONDITIONS OF APPROVAL.
34. THE ENTIRE SITE SHALL BE KEPT FREE OF TRASH AND DEBRIS AT ALL TIMES.
35. CONTRACTOR TO OBTAIN CITY TREE REMOVAL PERMIT PRIOR TO REMOVING TREES WITHIN THE PUBLIC RIGHT-OF-WAY.

CONCRETE NOTES FOR PUBLIC IMPROVEMENTS

1. ALL WORK SHALL CONFORM TO CITY OF DAVIS STANDARD SPECIFICATIONS.
2. ALL CURB RAMPS SHALL CONFORM TO THE CURRENT EDITION OF CALTRANS RSP A88A.
3. ALL ADJACENT SIDEWALK, BIKE PATH, DRIVEWAY, AND RAMPS SHALL BE IN EXCELLENT CONDITION AND BE IN STRICT CONFORMANCE WITH THE MOST RECENT EDITIONS OF THE CITY OF DAVIS STANDARDS AND SPECIFICATIONS, TITLE 24 OF THE CALIFORNIA BUILDING CODE, FEDERAL AMERICANS WITH DISABILITIES ACT.

EROSION CONTROL NOTES:

1. AN EFFECTIVE DUST CONTROL PROGRAM SHOULD BE IMPLEMENTED WHENEVER EARTH-MOVING ACTIVITIES OCCUR ON THE PROJECT SITE. IN ADDITION, ALL DIRT LOADS EXITING A CONSTRUCTION SITE WITHIN THE PROJECT AREA SHOULD BE WELL WATERED AND/OR COVERED AFTER LOADING.
2. APPLY WATER OR DUST PALLIATIVES ON EXPOSED EARTH SURFACES AS NECESSARY TO CONTROL DUST EMISSIONS. CONSTRUCTION CONTRACTS SHALL INCLUDE DUST CONTROL TREATMENT IN LATE MORNING AND AT THE END OF THE DAY, OF ALL EARTH SURFACES DURING CLEARING, GRADING, EARTH MOVING, AND OTHER SITE PREPARATION ACTIVITIES. NON-POTABLE WATER SHALL BE USED, WHERE FEASIBLE. EXISTING WELLS SHALL BE USED FOR ALL CONSTRUCTION PURPOSES WHERE FEASIBLE. EXCESSIVE WATERING WILL BE AVOIDED TO MINIMIZE TRACKING OF MUD FROM THE PROJECT ONTO STREETS.
3. GRADING OPERATIONS ON THE SITE SHALL BE SUSPENDED DURING PERIODS OF HIGH WINDS (I.E. WINDS GREATER THAN 15 MILES PER HOUR).
4. OUTDOOR STORAGE OF FINE PARTICULATE MATTER ON CONSTRUCTION SITES SHALL BE PROHIBITED. CONTRACTORS SHALL COVER ANY STOCKPILES OF SOIL, SAND AND SIMILAR MATERIALS. NO STORAGE OF UNCOVERED CONSTRUCTION DEBRIS FOR MORE THAN ONE WEEK.
5. CONSTRUCTION-RELATED TRUCKS SHALL BE COVERED AND INSTALLED WITH LINERS AND ON THE PROJECT SITE SHALL BE SWEPT AT THE END OF THE DAY.
6. VEHICLE SPEEDS SHALL NOT EXCEED 15 MILES PER HOUR ON UNPAVED SURFACES.
7. EROSION CONTROL MEASURES SHALL BE IMPLEMENTED DURING THE RAINY SEASON AS REQUIRED BY THE CITY OF DAVIS. IF GRADING AND DRAINAGE CONSTRUCTION IS NOT COMPLETE DURING THE PERIOD FROM OCTOBER 15 TO MAY 15, THEN THE CONTRACTOR SHALL:
   A. PROVIDE EROSION PROTECTION ON SLOPES THAT ARE 10:1 OR STEEPER AND IN SWALES THAT ARE 2% OR STEEPER.
   B. GRADE ALL SAG POINTS IN STREET AREAS TO DRAIN.
   C. PROVIDE SILT CATCHMENTS TO PREVENT SEDIMENTATION IN EXISTING STORM DRAIN SYSTEMS.
   D. CLEAN DOWNSTREAM PIPES AS DIRECTED BY THE CITY.
   E. MAINTAIN AND KEEP ALL STREETS AND SIDEWALKS CLEAN, AS DIRECTED BY THE CITY.
8. REFER TO PROJECT SWPPP FOR ADDITIONAL REQUIREMENTS. SHOULD DISCREPANCIES EXIST BETWEEN THIS PLAN AND THE SWPPP, THE SWPPP SHALL GOVERN.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMPLEMENTATION OF THE EROSION CONTROL PLAN. THE FACILITIES SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS FOR THE ANTICIPATED CONDITIONS. THEREFORE, DURING THE CONSTRUCTION PERIOD, CHANGES TO THE EROSION CONTROL PLAN SHALL BE MADE AS NEEDED TO ENSURE THAT SEDIMENT-LADEN WATER DOES NOT ENTER THE STORM DRAINAGE SYSTEMS OR VIOLATE APPLICABLE WATER QUALITY STANDARDS INCLUDING THE PROJECT SWPPP.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION, CONTINUAL INSPECTION AND MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE EROSION CONTROL DEVICES UNTIL CONSTRUCTION IS COMPLETED, APPROVED, AND VEGETATION IS ESTABLISHED WITHIN THE PROJECT LIMITS AND ADJACENT CITY RIGHT OF WAY.
11. TEMPORARY EROSION CONTROL DEVICES WHICH INTERFERE WITH CONSTRUCTION WORK MAY BE RELOCATED OR MODIFIED TO MEET FIELD CONDITIONS. HOWEVER, ALL REMOVABLE PROTECTION DEVICES, EXCEPT AS OTHERWISE DIRECTED BY OWNER, SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN RAIN IS PROBABLE. AFTER EACH SIGNIFICANT RAIN STORM EVENT SILT AND DEBRIS SHALL BE REMOVED FROM THE EROSION CONTROL DEVICES AND THE DEVICES REPAIRED AS NEEDED.
12. ALL LOOSE SOIL, EXCESS MATERIAL AND DEBRIS SHALL BE PROMPTLY REMOVED FROM THE SITE UPON STARTING OPERATIONS AND PERIODICALLY THEREAFTER.
13. NO SEDIMENT OR STORM WATER RUNOFF SHALL BE ALLOWED TO DRAIN DIRECTLY INTO THE EXISTING STORM DRAIN SYSTEM WITHOUT PROTECTION BEFORE THE ON-SITE STORM DRAIN SYSTEM IS INSTALLED AND CONNECTED. THE CONTRACTOR SHALL REMOVE ALL SEDIMENT ENTERING THE SYSTEM FROM THE PROJECT.
14. ALL BEST MANAGEMENT PRACTICE MATERIALS, TOOLS AND EQUIPMENT, SHALL BE AVAILABLE ON-SITE AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES OR TO REPAIR ANY DAMAGED EROSION CONTROL MEASURES WHEN RAIN IS IMMINENT. A STANDBY CREW SHALL ALSO BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON.
15. ADJACENT PROPERTIES SHALL BE PROTECTED FROM STORM WATER, MUD, SILT, ETC. FROM PROJECT SITE.
16. AS STORM DRAIN IMPROVEMENTS ARE CONSTRUCTED, ALL STRUCTURES AND INLET PIPES SHALL BE PROTECTED FROM INFLOW OF SILT AND/OR DEBRIS.
17. AFTER PAVING, TEMPORARY PROTECTION OF CATCH BASINS AND CURB INLETS SHALL BE INSTALLED AS PER DETAILS ON THE PLAN TO PREVENT SEDIMENTATION OF SWALES.
18. THE SITE PUBLIC STREET FRONTAGE SHALL BE INSPECTED DAILY AT THE END OF EACH WORK DAY AND SWEPT USING DRY CLEAN UP METHODS TO REMOVE ANY DEBRIS ON THE STREET INCLUDING TRASH.

WATER NOTES

1. CONTRACTOR SHALL EXPOSE EXISTING WATER LINE AT NEW CONNECTION POINTS AND VERIFY ELEVATIONS, SIZE AND PIPE CONDITION PRIOR TO CONSTRUCTION OF ANY WATER FACILITIES.
2. UNLESS OTHERWISE NOTED, ON-SITE DOMESTIC WATER PIPES SHALL BE PVC CLASS 150 CONFORMING TO AWWA STANDARD C900 DR18, PRESSURE RATED AT 200 PSI, AND CONFORM TO ASTM D2241, D1784, D1869, AND F477. MINIMUM MANUFACTURER SPECIFIED CURVE RADII SHALL BE STRICTLY ADHERED TO. WATER LINES 4" AND GREATER WITHIN PUBLIC R.O.W. OR EASEMENT SHALL BE C900 PVC PER CITY OF DAVIS STANDARDS.
3. FIRE WATER PIPES DOWNSTREAM OF THE FIRE DEPARTMENT CONNECTION SHALL BE PVC CONFORMING TO AWWA C-900 CLASS 305 SPECIFICATIONS AND IN CONFORMANCE WITH LOCAL GOVERNING AGENCY STANDARDS. MINIMUM MANUFACTURER AND CITY OF DAVIS SPECIFIED CURVE RADII SHALL BE STRICTLY ADHERED TO. THE PIPE SHALL BE JOINED AS RECOMMENDED BY THE MANUFACTURER.
4. ALL FITTINGS EXCEPT FOR TAPPING SLEEVES SHALL BE LINED AND COATED PER SECTION 203-4.3 OF THE CITY OF DAVIS STANDARD SPECIFICATIONS.
5. MINIMUM COVER ON DOMESTIC WATER LINES SHALL BE 36 INCHES FROM FINISHED GRADE.
6. MINIMUM COVER ON FIRE WATER LINES SHALL BE 36 INCHES FROM FINISHED GRADE.
7. REFER TO BUILDING PLUMBING DRAWINGS FOR EXACT DIMENSIONS, INVERTS AND LOCATIONS OF BUILDING'S WATER SERVICES PRIOR TO CONSTRUCTION. CONTACT DESIGN ENGINEER IF BUILDING POINTS OF CONNECTION VARY FROM INFORMATION SHOWN ON THESE PLANS
8. BUILDING WATER SERVICE SHALL TERMINATE 5.0' FROM BUILDING LINES. CAP EACH SERVICE AND PLACE MARKER POST WITH I.D. AT THE END OF EACH SERVICE.
9. THE WATER SYSTEM SHALL BE FLUSHED, SANITIZED AND PRESSURE TESTED IN ACCORDANCE WITH LOCAL GOVERNING AGENCY STANDARDS PRIOR TO OWNERS ACCEPTANCE.
10. A REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY, PER CITY OF DAVIS STANDARDS 101-11, SHALL BE CONSTRUCTED ON THE DOWNSTREAM SIDE OF THE DOMESTIC AND IRRIGATION WATER METERS.
11. BACKFLOW ASSEMBLIES SHALL BE INSTALLED AFTER A "BACKFLOW PERMIT" IS OBTAINED FROM THE PUBLIC WORKS DEPARTMENT.
12. THE WATER SYSTEM SHALL BE FLUSHED, SANITIZED AND PRESSURE TESTED IN ACCORDANCE WITH CITY OF DAVIS STANDARDS PRIOR TO OWNERS ACCEPTANCE.
13. DOMESTIC SUPPLY AND LANDSCAPE IRRIGATION SHALL BE SEPARATELY METERED. THE PROJECT SHALL COMPLY WITH LANDSCAPE WATER ORDINANCE, SECTION 39-179.5 OF THE CITY OF DAVIS MUNICIPAL CODE. VERIFICATION OF COMPLIANCE WITH THIS ORDINANCE SHALL OCCUR PRIOR TO ISSUANCE OF THE FINAL CERTIFICATE OF OCCUPANCY.
14. INSPECTION OF THE ON-SITE FIRE SYSTEM SHALL BE MADE BY THE FIRE DEPARTMENT UNLESS OTHERWISE NOTED ON THESE PLANS.
15. THE PUBLIC WORKS DEPARTMENT WILL ASSIST THE DAVIS FIRE DEPARTMENT WITH THE INSPECTION, TESTING AND CONFIRMING THAT THE WATER SYSTEM WAS CONSTRUCTED TO CITY OF DAVIS' STANDARD SPECIFICATIONS. ANY REVISIONS, CHANGES, SUBSTITUTIONS OR DELETIONS NEED PRIOR APPROVAL BY THE DAVIS FIRE DEPARTMENT.
16. A PUBLIC WORKS ENCROACHMENT PERMIT MUST BE OBTAINED PRIOR TO ANY WORK BEING PERFORMED ON THE WATER SYSTEM. THE PERMIT FEE IS $50 PLUS AN INSPECTION FEE WHICH IS BASED ON THE FOLLOWING: 6% OF THE FIRST $10,000 AND 5% OF THE REMAINDER OF THE COST OF SAID SYSTEM.
17. PRIOR TO ISSUANCE OF THE PUBLIC WORKS ENCROACHMENT PERMIT, A CITY OF DAVIS FIRE DEPARTMENT PERMIT MUST BE OBTAINED FOR ON-SITE FIRE WATER.
18. WATER METERS SHALL BE INSTALLED AFTER A "UTILITY CONNECTION REQUEST" IS OBTAINED FROM THE PUBLIC WORKS DEPARTMENT. THE COST, IF INSTALLED BY PUBLIC WORKS, IS TO BE AT A TIME AND MATERIALS BASIS. THE PERMIT FEE IS $150. (METER SIZE AND TYPE TO BE DETERMINED BY PUBLIC WORKS DEPARTMENT AFTER SUBMITTING A COMPLETED WATER METER SIZING FORM).

YOLO/SOLANO AQMD NOTES:

1. CONSTRUCTION EQUIPMENT AND ENGINES SHALL BE PROPERLY MAINTAINED.
2. VEHICLE IDLING SHALL BE KEPT BELOW TEN MINUTES.
3. CONSTRUCTION ACTIVITIES SHALL UTILIZE NEW TECHNOLOGIES TO CONTROL OZONE PRECURSOR EMISSIONS, AS THEY BECOME AVAILABLE AND FEASIBLE.
4. DURING SMOG SEASON (MAY THROUGH OCTOBER), THE CONSTRUCTION PERIOD SHALL BE LENGTHENED SO AS TO MINIMIZE THE NUMBER OF VEHICLES AND EQUIPMENT OPERATING AT THE SAME TIME.

SEWER NOTES

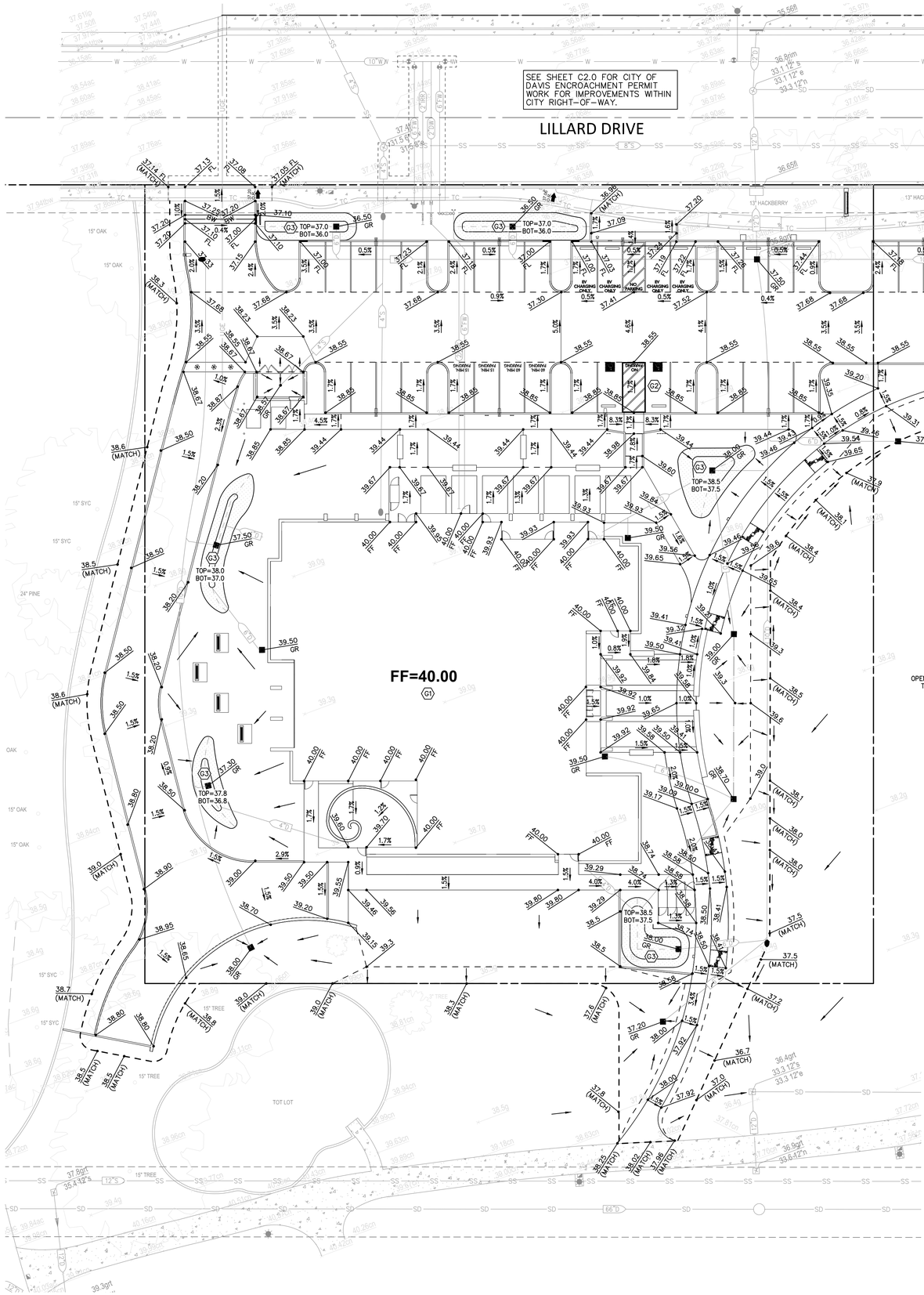
1. CONTRACTOR SHALL EXPOSE EXISTING SEWER LINE AT NEW CONNECTION POINTS AND VERIFY ELEVATIONS, SIZE AND PIPE CONDITION PRIOR TO CONSTRUCTION OF ANY SEWER FACILITIES.
2. SANITARY SEWER PIPE AND APPURTENANCES SHALL BE PVC SDR 35 GRAVITY SEWER PIPE, JOINTS AND RUBBER GASKETS SATISFYING ASTM SPECIFICATIONS D-3034 AND IN CONFORMANCE WITH LOCAL GOVERNING AGENCY STANDARDS. MINIMUM MANUFACTURER AND CITY SPECIFIED CURVE RADII SHALL BE STRICTLY ADHERED TO. PUBLIC SANITARY SEWER PIPES (THOSE WITHIN PUBLIC R.O.W. OR CONNECTING TO EXISTING CITY OF DAVIS LINES) SHALL BE SDR-26 PER CITY OF DAVIS STANDARDS.
3. CLEANOUTS WITHIN CITY RIGHT OF WAY SHALL BE CONSTRUCTED IN CONFORMANCE WITH CITY OF DAVIS STANDARDS. [CITY OF DAVIS DETAIL DRAWING NO'S 201-6, UNLESS OTHERWISE NOTED.]
4. SANITARY SEWER LINES SHALL BE CONSTRUCTED STRAIGHT AND TO A CONSTANT GRADE BETWEEN STRUCTURES SHOWN, UNLESS NOTED OTHERWISE.
5. REFER TO BUILDING PLUMBING DRAWINGS FOR EXACT DIMENSIONS, INVERTS AND LOCATIONS OF BUILDING'S SEWER SERVICES PRIOR TO CONSTRUCTION. CONTACT DESIGN ENGINEER IF BUILDING POINTS OF CONNECTION VARY FROM INFORMATION SHOWN ON THESE PLANS
6. BUILDING SEWER SERVICE SHALL TERMINATE 5.0' FROM BUILDING LINES. PLUG EACH SERVICE AND PLACE MARKER POST WITH I.D. AT THE END OF EACH SERVICE.
7. AFTER PLACING SITE PAVEMENT THE SEWER SYSTEM SHALL BE BALLED AND FLUSHED AND PRESSURE TESTED IN ACCORDANCE WITH CITY OF DAVIS STANDARDS PRIOR TO OWNERS ACCEPTANCE.
8. CONCRETE COLLAR IS NOT REQUIRED FOR ON-SITE FLUSHER BRANCHES AND CLEAN OUTS LOCATED IN NON-TRAFFIC AREAS.

CONCRETE NOTES FOR PRIVATE IMPROVEMENTS

1. STRAIGHT GRADE BETWEEN ELEVATIONS SHOWN ON THESE PLANS.
2. PROVIDE THICKENED EDGES PER GEOTECHNICAL ENGINEERING REPORT REQUIREMENTS.
3. REFER TO LANDSCAPE PLANS FOR SCORE PATTERN, FINISH AND OTHER REQUIREMENTS.
4. THE PORTLAND CEMENT CONCRETE FOR PRIVATE SIDEWALKS, CURBS AND DRIVEWAYS SHALL ACHIEVE A MINIMUM COMPRESSIVE STRENGTH OF 3500 POUNDS PER SQUARE INCH (PSI) AT 28 DAYS. CONCRETE CURING, JOINT SPACING, AND DOWELING SHOULD CONFORM TO CURRENT PORTLAND CEMENT ASSOCIATION (PCA) AND AMERICAN CONCRETE INSTITUTE (ACI) GUIDELINES.
5. ALL EXPOSED CONCRETE EDGES SHALL HAVE A 1/4 INCH RADIUS UNLESS OTHERWISE SHOWN.
6. CONCRETE WHERE REMOVED AND REPLACED OR PLACED ADJACENT TO EXISTING CONCRETE SHALL BE DOWELED WITH #4 x 12" REBAR. REBAR TO BE EPOXIED IN 3/4" DIA. HOLES DRILLED IN EXISTING CONCRETE 18" ON CENTER.
7. FINISH SURFACES SHALL BE EVEN, UNIFORM IN COLOR, AND NOT PITTED OR OTHERWISE MARRED.
8. FORMS SHALL BE STAKED OFTEN ENOUGH TO INSURE STRAIGHT FINISHED CONCRETE EDGES.

EARTHWORK NOTES

1. ALL EARTHWORK OPERATIONS AND TESTING OF SOILS COMPACTION SHALL BE IN ACCORDANCE WITH THE DRAFT GEOTECHNICAL ENGINEERING REPORT PREPARED BY GEOCON CONSULTANTS, INC. (NO. S2665-05-01 DATED DECEMBER 2023). COPIES OF THIS REPORT ARE AVAILABLE AT THE OFFICE OF THE ENGINEER. THE GEOTECHNICAL ENGINEER SHALL BE PRESENT DURING GRADING AND COMPACTION. RESULTS OF ALL SOILS TESTING SHALL BE SUBMITTED TO THE OWNER BY THE SOILS TESTING COMPANY UPON COMPLETION OF GRADING OPERATIONS.
2. DISPLACED TOPSOIL SHALL BE STOCKPILED FOR REUSE IN A DESIGNATED AREA AND COVERED OR PROTECTED FROM EROSION.
3. AT THE DIRECTION OF THE GEOTECHNICAL ENGINEER, ANY FILL PLACED ON-SITE SHALL BE PLACED ON A STABLE PAD FREE OF ANY ORGANICS OR DEBRIS, A PROOFROLL SHALL BE PERFORMED PRIOR TO PLACEMENT OF FILL ON-SITE, AND SOFT AND/OR UNSTABLE AREAS SHALL BE REPAIRED.
4. TRENCH EXCAVATION, PIPE BEDDING, AND PIPE BACKFILL INCLUDING COMPACTION SHALL BE IN COMPLIANCE WITH THE GEOTECHNICAL REPORT RECOMMENDATIONS, MATERIAL MANUFACTURER SPECIFICATIONS, CALIFORNIA STATE REGULATIONS, AND CITY OF DAVIS SPECIFICATIONS. IF IN CONFLICT, THE CITY ENGINEER SHALL DETERMINE WHICH STANDARD SHALL GOVERN.
5. PAVEMENT FINISH GRADES SHALL BE 0.5' BELOW TOP OF CURB, UNLESS OTHERWISE NOTED.
6. GRADING AND DRAINAGE FEATURES SHALL BE CONSTRUCTED SO THAT WATER FLOW DOES NOT DRAIN TO OTHER PROPERTIES.
7. THE CONTRACTOR IS RESPONSIBLE FOR BALANCING THE EARTHWORK IN ACCORDANCE WITH THESE PLANS AND THE GEOTECHNICAL REPORT AND SHALL PAY FOR ALL IMPORT OR EXPORT OF MATERIALS TO ACHIEVE THE BALANCE. THE GEOTECHNICAL ENGINEER SHALL APPROVE THE SUITABILITY OF ANY PROPOSED IMPORT MATERIAL TO THE CONSTRUCTION SITE. THE CONTRACTOR SHALL OFF-HAUL ANY EXCESS MATERIAL AT CONTRACTOR'S EXPENSE.
8. THE CONTRACTOR SHALL MAINTAIN STREETS, CURBS, GUTTERS, BIKE PATHS, AND SIDEWALKS ADJACENT TO SITE IN CLEAN CONDITIONS AT ALL TIMES DURING CONSTRUCTION.
9. GRADING ACTIVITIES SHALL BE REDUCED OR HALTED DURING PERIODS OF HIGH WINDS (GREATER THAN 15 MPH), ALL EXPOSED GRADED AREAS OF THE SITE SHALL BE WATERED AT LEAST TWICE DAILY.
10. STRAIGHT GRADE BETWEEN ELEVATIONS SHOWN ON THE PLANS.
11. ALL CUT SLOPES SHALL BE ROUNDED AT THE "DAYLIGHT LINE" SO THAT THEY BLEND WITH THE NATURAL GROUND CONTOUR.
12. CONTRACTOR SHALL UNDERCUT STREET(



GRADING LEGEND:

- EXISTING GROUND SPOT ELEVATION
- PROPOSED GRADE SPOT ELEVATION
- SITE MAXIMUM OVERLAND RELEASE ELEVATION AND LOCATION
- G3 BIO-RETENTION PLANTER

0 10 20 40 60

SCALE: 1" = 20'

GRADING KEYNOTES:

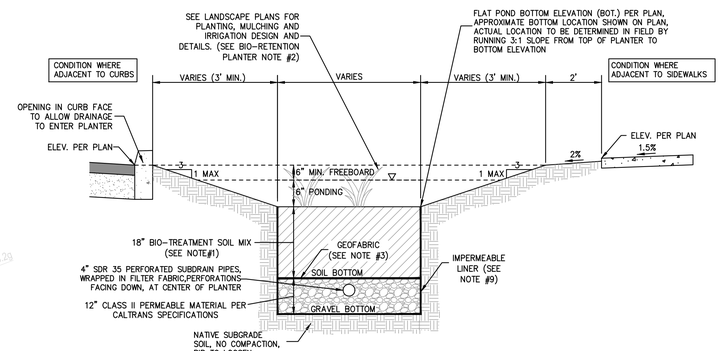
G1 BUILDING PAD SHALL BE CONSTRUCTED TO A MINIMUM OF 5' BEYOND BUILDING WALL LINES OR TO THE OUTER EDGES OF ADJACENT EXTERIOR FLATWORK, WHICHEVER IS GREATER. SEE SOILS REPORT FOR SPECIFIC EARTHWORK GUIDELINES AND RECOMMENDATIONS PAD GRADE SHALL BE CALCULATED BY SUBTRACTING THE BUILDING FOUNDATION THICKNESS (FROM THE STRUCTURAL PLANS) FROM THE FINISH FLOOR ELEVATION SHOWN HEREON.

G2 SLOPE WITHIN ACCESSIBLE PARKING STALLS AND AISLES SHALL BE 2% MAXIMUM.

G3 CONSTRUCT BIO-RETENTION PLANTER PER DETAIL HEREON.

GRADING NOTES

1. PROPOSED ELEVATIONS SHOWN ARE FINISH SURFACE UNLESS OTHERWISE NOTED. ELEVATIONS SHOWN AT CURBS REPRESENT FINISHED GRADE AT TOP OF PAVEMENT AT FACE OF CURB OR GUTTER FLOWLINE.
2. FINISH GRADE ADJACENT TO BUILDINGS (WHEN ADJACENT TO LANDSCAPE AREAS AND NO CONCRETE MAINTENANCE STRIP) SHALL BE SET 8" BELOW FINISH FLOOR GRADE.
3. SEE ARCHITECTURAL PLANS FOR RAMPS, CURB RAMPS, PEDESTRIAN CONCRETE FLATWORK, AND TRASH ENCLOSURE DESIGN AND DETAILS.
4. ALL ACCESSIBLE PARKING SPACES AND ACCESS AISLES SHALL HAVE A MAXIMUM SLOPE OF 2.0% IN ANY DIRECTION.
5. ALL ACCESSIBLE PATHS OF TRAVEL SHALL HAVE MAXIMUM SLOPES OF 5.0% IN THE DIRECTION OF TRAVEL AND MAXIMUM CROSS-SLOPES OF 2.0%.
6. CONTRACTOR SHALL LOCATE ALL EXISTING IRRIGATION LINES WITHIN THE LIMITS OF WORK AND CAP OR REROUTE PER LANDSCAPE IRRIGATION PLANS PRIOR TO SITE EXCAVATION AND GRADING.

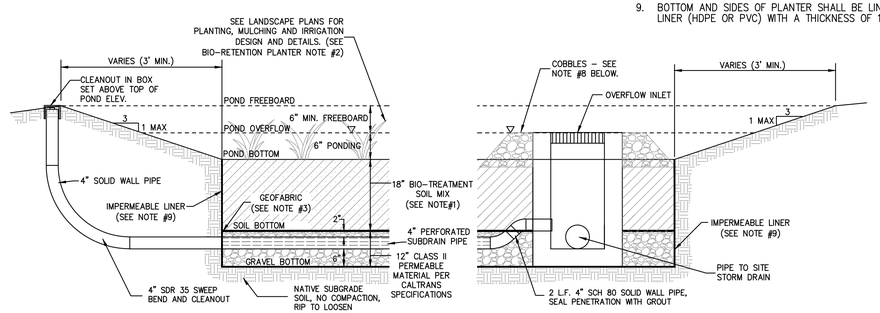


BIO-RETENTION PLANTER - CROSS SECTION

N.T.S.

BIO-RETENTION PLANTER NOTES:

1. BIO-TREATMENT SOIL MIX: THE PLANTING MEDIUM MUST SUSTAIN A MINIMUM INFILTRATION RATE OF 5 INCHES PER HOUR THROUGHOUT THE LIFE OF THE PROJECT AND MUST MAXIMIZE RUNOFF RETENTION AND POLLUTANT REMOVAL. A MIXTURE OF SAND (60%-70%) AND COMPOST (30%-40%) SHALL BE USED. SAND SHALL MEET THE SPECIFICATIONS OF AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) C33. COMPOST SHALL BE A WELL DECOMPOSED, STABLE, WEED FREE ORGANIC MATTER SOURCE DERIVED FROM WASTE MATERIALS INCLUDING YARD DEBRIS, WOOD WASTES OR OTHER ORGANIC MATERIALS NOT INCLUDING MANURE OR BIO-SOLIDS MEETING THE STANDARDS DEVELOPED BY THE US COMPOSTING COUNCIL (USCC). THE PRODUCT SHALL BE CERTIFIED THROUGH THE USCC SEAL OF TESTING ASSURANCE (STA) PROGRAM (A COMPOST TESTING AND INFORMATION DISCLOSURE PROGRAM).
2. MULCH IN BIO-RETENTION AREAS SHALL BE 3" DEPTH OF ORGANIC COMPOST MULCH. OTHER TYPES OF MULCH ARE NOT PERMITTED UNDER THE WATERLINE OR IN THE FREEBOARD AND MUST BE RETAINED BY BENDER BOARD, COBBLE, CONCRETE BARRIER, VEGETATION OR THE LIKE.
3. PLACE NON-WOVEN FILTER FABRIC BETWEEN SOIL AND ROCK LAYERS.
4. MAINTAIN BOTTOM SURFACE ELEVATION OF PLANTER INDICATED HEREON THROUGHOUT BIO-RETENTION PLANTER AREA.
5. THE CLASS 2 PERMEABLE LAYER MAY EXTEND BELOW AND UNDERNEATH DROP INLET.
6. SUBGRADE WITHIN BOTTOM OF STORMWATER PLANTER AREAS (AREAS BENEATH GRAVEL LAYER) SHALL CONSIST OF UNCOMPACTED NATIVE SOIL, RIPPED TO LOOSEN.
7. REFER TO LANDSCAPE PLANS FOR PLANTING AND IRRIGATION IMPROVEMENTS WITHIN BIO-RETENTION PLANTER.
8. PROVIDE 24" WIDE AND THICK BORDER OF 4"-6" COBBLES AROUND OVERFLOW OUTLET.
9. BOTTOM AND SIDES OF PLANTER SHALL BE LINED WITH AN IMPERMEABLE LINER (HDPE OR PVC) WITH A THICKNESS OF 12 MIL MINIMUM.



BIO-RETENTION PLANTER - LONGITUDINAL SECTION

N.T.S.

WMB ARCHITECTS
5757 Pacific Avenue
Suite 226
Stockton, CA 95207
2000 L Street
Suite 125
Sacramento, CA 95811
T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

Walnut Park Library
2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

CUNNINGHAM ENGINEERING
Davis Office
2540 Stufford Street
Suite 200
Davis, CA 95618
(530) 756-2026
Sacramento Office
2120 20th Street
Suite Three
Sacramento, CA 95818
(916) 455-2026
CECWEST.COM

DATE SIGNED: _____

THESE DRAWINGS ARE NOT CONSIDERED FINAL UNTIL THE ENGINEER'S SEAL BELOW HAS BEEN SIGNED AND DATED.

REGISTERED PROFESSIONAL ENGINEER
DENISE A. FERRY
No. C 61 CIVIL
STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

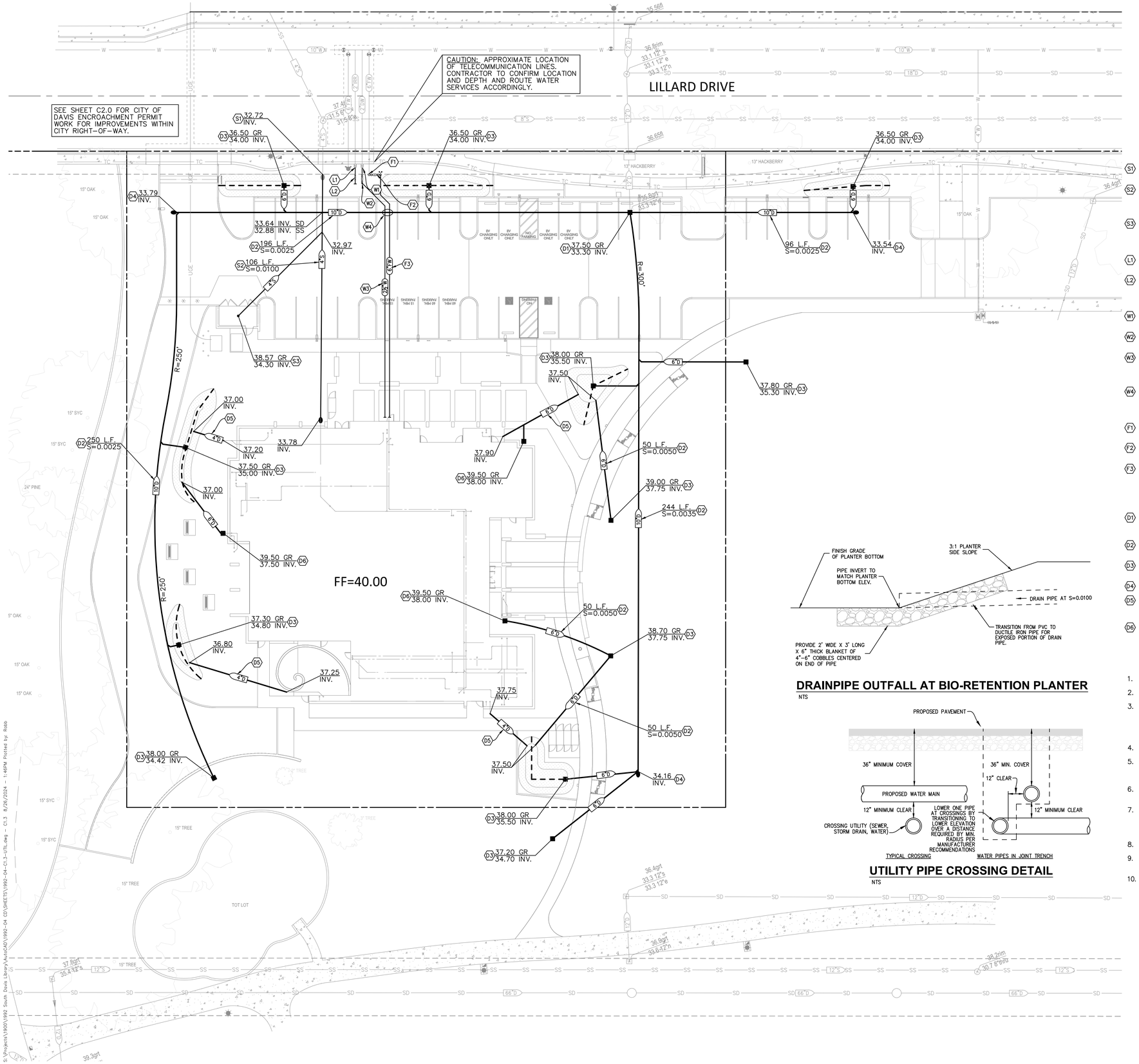
08.23.24	BID SET

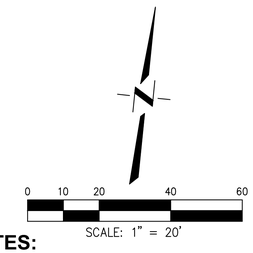
SITE GRADING PLAN

C1.2

8/31/2023 9:21:09 AM
Copyright WMB, Inc.

S:\Projects\1900\1892 South Davis Library\AutoCAD\1892-04 CD\SHEETS\1892-04-C1.2-GRAD.dwg - C1.2 8/30/2024 - 1:46PM Plotted by: Robb





SANITARY SEWER KEYNOTES:

(S1) CONNECT 4" BUILDING SEWER TO END OF 4" SEWER SERVICE, AT CLEANOUT, CONSTRUCTED UNDER SEPARATE CITY OF DAVIS ENCROACHMENT PERMIT.

(S2) INSTALL 4" SANITARY SEWER SERVICE TO WITHIN 5' OF BUILDING PER CITY OF DAVIS STANDARD PLAN 201-1, LENGTH AND SLOPE PER PLAN. SEE PLUMBING PLANS FOR 2-WAY CLEANOUT AND CONTINUATION INTO BUILDING. VERIFY LOCATION, SIZE AND DEPTH OF SEWER STUB WITH PLUMBING PLANS.

(S3) JOIN TRASH ENCLOSURE DRAIN TO SITE SEWER MAIN WITH 4" LATERAL @ S=0.02 MINIMUM. VERIFY LOCATION, SIZE AND DEPTH OF SEWER STUB WITH PLUMBING PLANS.

IRRIGATION WATER KEYNOTES:

(L1) JOIN 2" IRRIGATION SERVICE PIPE TO IRRIGATION METER CONSTRUCTED UNDER SEPARATE CITY OF DAVIS ENCROACHMENT PERMIT.

(L2) INSTALL 2" IRRIGATION REDUCED PRESSURE BACKFLOW ASSEMBLY PER CITY OF DAVIS STANDARD PLAN 101-11. SEE LANDSCAPE IRRIGATION PLANS FOR CONTINUATION.

DOMESTIC WATER KEYNOTES:

(W1) JOIN 2" DOMESTIC WATER SERVICE PIPE TO DOMESTIC METER CONSTRUCTED UNDER SEPARATE CITY OF DAVIS ENCROACHMENT PERMIT.

(W2) INSTALL 2" DOMESTIC REDUCED PRESSURE BACKFLOW ASSEMBLY PER CITY OF DAVIS STANDARD PLAN 101-11. INSTALL 2"X2.5" INCREASER AFTER THE BACKFLOW ASSEMBLY.

(W3) INSTALL 2.5" DOMESTIC WATER SERVICE, TO WITHIN 5' OF BUILDING PER CITY OF DAVIS STANDARD PLAN 201-1. SEE BUILDING PLUMBING PLANS FOR SHUT-OFF VALVE AND CONTINUATION INTO BUILDING. VERIFY LOCATION AND SIZE OF DOMESTIC WATER STUB WITH PLUMBING PLANS.

(W4) PROPOSED WATER CROSSING WITH OTHER UTILITY AS SHOWN ON PLAN – SEE UTILITY NOTE 7 BELOW.

FIRE WATER KEYNOTES:

(F1) JOIN 6" FIRE WATER SERVICE PIPE TO 6" FIRE SERVICE STUB CONSTRUCTED UNDER SEPARATE CITY OF DAVIS ENCROACHMENT PERMIT.

(F2) INSTALL 6" DOUBLE CHECK DETECTOR CHECK ASSEMBLY (AMES 3000SS) (WITH INTEGRATED FIRE DEPARTMENT CONNECTION) PER CITY OF DAVIS STANDARD PLAN 101-9.

(F3) INSTALL 6" FIRE SPRINKLER SERVICE, TO WITHIN 5' OF BUILDING PER CITY OF DAVIS STANDARD PLANS 101-2 AND 201-1. SEE BUILDING FIRE PROTECTION PLANS FOR FIRE RISER WITHIN BUILDING. VERIFY LOCATION AND SIZE OF FIRE SPRINKLER STUB WITH FIRE PROTECTION PLANS.

STORM DRAIN KEYNOTES:

(D1) REMOVE EXISTING DRAIN INLET. INSTALL 18"X18" PRE-CAST CONCRETE DRAIN INLET (CENTRAL PRECAST OR APPROVED EQUAL) ON END OF EXISTING DRAIN PIPE. JOIN SITE STORM DRAIN PIPES TO NEW INLET.

(D2) INSTALL SITE STORM DRAIN MAIN PER CITY OF DAVIS STANDARD PLAN 201-1, SIZE, LENGTH AND SLOPE PER PLAN.

(D3) INSTALL 18"X18" PRE-CAST CONCRETE DRAIN INLET (CENTRAL PRECAST OR APPROVED EQUAL). JOIN INLET TO SITE STORM DRAIN MAIN WITH 6" LATERAL @ S=0.0050 MINIMUM.

(D4) INSTALL CLEANOUT ON DRAIN PIPE PER CITY OF DAVIS STANDARD PLAN 201-6.

(D5) JOIN ROOF DRAIN STUB WITH 4" DRAIN PIPE AND DAYLIGHT INTO BIO-RETENTION PLANTER @ S=0.01 MINIMUM PER DETAIL HEREON. VERIFY LOCATION, SIZE AND DEPTH OF ROOF DRAIN STUB WITH PLUMBING PLANS.

(D6) INSTALL 18"X18" PRE-CAST CONCRETE DRAIN INLET (CENTRAL PRECAST OR APPROVED EQUAL) AT ROOF DOWNSPOUT SUCH THAT DOWNSPOUT WILL DISCHARGE DIRECTLY INTO INLET. JOIN INLET TO BIO-RETENTION PLANTER WITH 6" LATERAL @ S=0.0050 MINIMUM PER DETAIL HEREON.

UTILITY NOTES

1. SEE LANDSCAPE PLANS FOR IRRIGATION SLEEVE LOCATIONS.
2. SEE ELECTRICAL PLANS FOR SITE ELECTRICAL, LIGHTING AND TELECOMMUNICATIONS.
3. WATER PIPES TO BE INSTALLED WITH 36" MINIMUM COVER AND 12" MINIMUM SEPARATION FROM OTHER UTILITIES (INCLUDING OTHER WATER LINES) – SEE CROSSING DETAIL HEREON. SITE WATER PIPES SHALL EITHER BE MECHANICALLY RESTRAINED AT ALL JOINTS AND FITTINGS OR HAVE CONCRETE THRUST BLOCKS INSTALL AT ALL FITTINGS PER CITY OF DAVIS STANDARD PLAN 101-2.
4. ALL UTILITY PIPE TRENCHES ARE TO BE PER CITY OF DAVIS STANDARD PLAN 201-1.
5. CONTRACTOR TO POTHOLE EXISTING JOINT TRENCH UTILITIES (GAS, ELEC, TELE.) AT EACH PROPOSED UTILITY CROSSING PRIOR TO START OF CONSTRUCTION AND REPORT ANY CONFLICTS TO THE ENGINEER.
6. ALL FIRE WATER PIPE RESTRAINTS DOWNSTREAM OF THE BACKFLOW ASSEMBLY SHALL BE IN CONFORMANCE WITH THE LATEST EDITION OF THE NFPA.
7. PROPOSED GRAVITY UTILITY LINES AND EXISTING UTILITIES SHALL GOVERN VERTICAL INSTALLATION OF PROPOSED WATER IMPROVEMENTS. CONTRACTOR SHALL RAISE/LOWER NEW WATER LINE IMPROVEMENTS TO AVOID VERTICAL CONFLICTS WITH PROPOSED GRAVITY LINES AND EXISTING UTILITIES AT NO COST TO OWNER.
8. ALL FIRE WATER LINES SHALL MAINTAIN 36" MINIMUM COVER PER NFPA.
9. ALL UNDERGROUND FIRE MAINS SHALL BE INSTALLED AND TESTED PER NFPA 24, PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES.
10. ALL CONTROL VALVES ON THE FIRE UNDERGROUND SYSTEM (INCLUDING THE BACKFLOW PREVENTER) SHALL HAVE TAMPER SWITCHES THAT ARE MONITORED BY AN APPROVED FIRE ALARM CENTRAL STATION. CONTRACTOR SHALL PROVIDE THE NECESSARY UNDERGROUND CONDUIT AND COORDINATE THE INSTALLATION WITH THE LOCATION OF THE FIRE ALARM PANEL SUCH THAT VALVES ARE MONITORED PRIOR TO OCCUPANCY.

DRAINPIPE OUTFALL AT BIO-RETENTION PLANTER

NTS

UTILITY PIPE CROSSING DETAIL

NTS

WMB ARCHITECTS
5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

Walnut Park Library
2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

CIVIL ENGINEERING
GEOMAT.COM
Davis Office
2940 Spafford Street
Suite 220
Davis, CA 95618
(530) 758-3295
Sacramento Office
2120 20th Street
Suite Three
Sacramento, CA 95818
(916) 455-2028

DATE SIGNED:

THESE DRAWINGS ARE NOT CONSIDERED FINAL UNTIL THE ENGINEER'S SEAL BELOW HAS BEEN SIGNED AND DATED.

REGISTERED PROFESSIONAL ENGINEER DANIEL A. FRANCIS CIVIL STATE OF CALIFORNIA

NOT FOR CONSTRUCTION

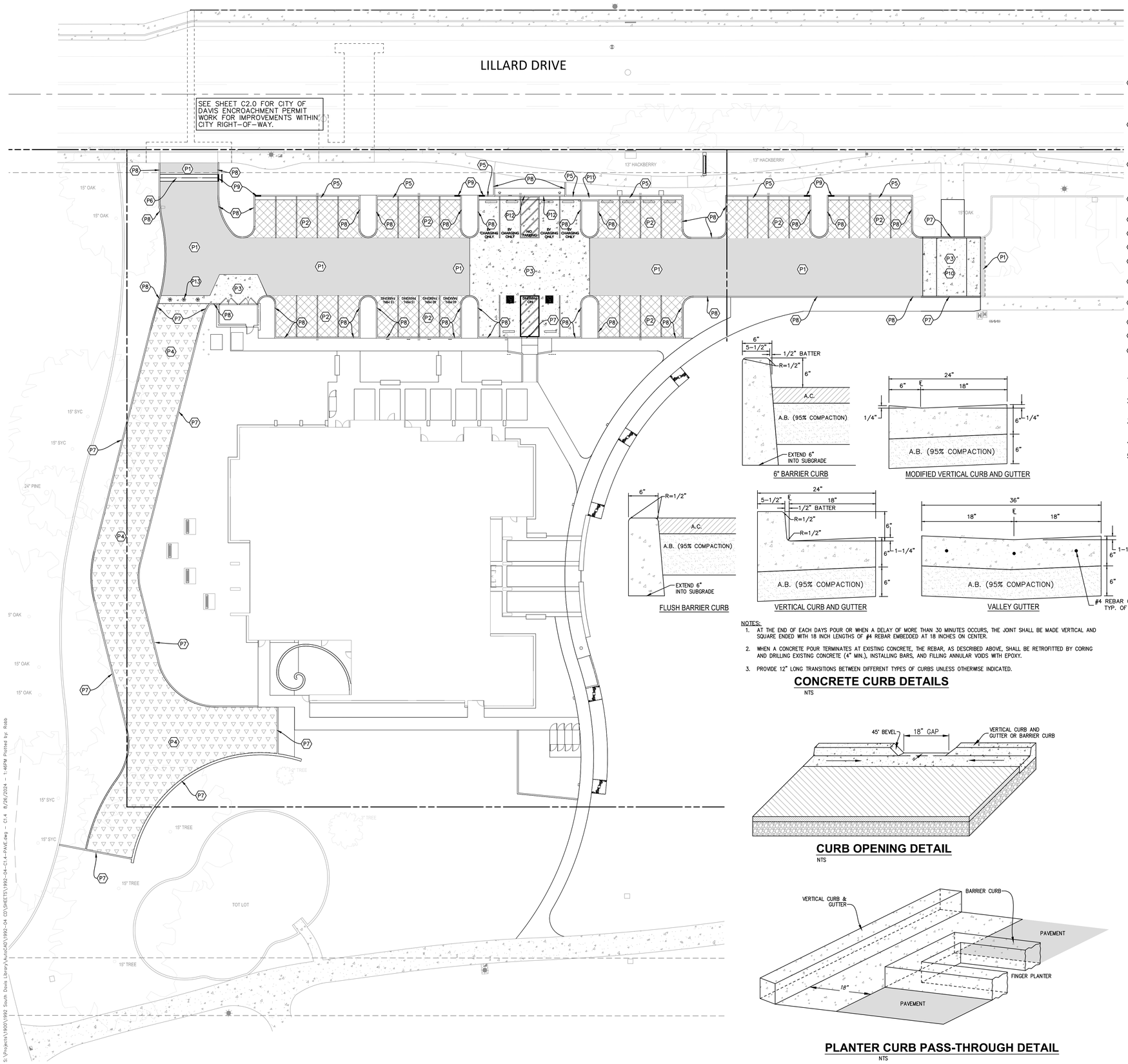
08.23.24	BID SET

SITE UTILITY PLAN

C1.3

8/31/2023 9:21:09 AM Copyright WMB, Inc.

S:\Projects\1900\1992 South Davis Library\AutoCAD\1992-04 CD\SHEETS\1992-04-C1.3-UTIL.dwg - C1.3 8/26/2024 - 1:46PM Plotted by: Robb



PAVEMENT LEGEND:

P1 P2 P3 P4

PAVEMENT KEYNOTES:

P1 DRIVE AISLE ASPHALT PAVEMENT (T.I.=6.5, R=20):
4" TYPE A ASPHALT OVER 11" CLASS 2 A.B. (95% COMPACTION) OVER 6" SUBGRADE (93% COMPACTION).

P2 PARKING SPACE ASPHALT PAVEMENT (T.I.=5.0, R=20):
3" TYPE A ASPHALT OVER 7" CLASS 2 A.B. (95% COMPACTION) OVER 6" SUBGRADE (93% COMPACTION).

P3 CONCRETE PAVEMENT:
6" P.C.C. (3,500 PSI MINIMUM) OVER 6" CLASS 2 A.B. (95% COMPACTION), OVER 6" SUBGRADE (93% COMPACTION). THE CONCRETE SHALL HAVE #4 STEEL BARS PLACED AT 18" CENTERS BOTH WAYS. THE SLAB SHALL HAVE THICKENED EDGES PER ACI STANDARDS.

P4 DRIVABLE GRASS PAVER PAVEMENT:
SEE DETAIL HEREON. SEE LANDSCAPE PLANS FOR ADDITIONAL REQUIREMENTS.

P5 INSTALL VERTICAL CURB AND GUTTER PER DETAIL HEREON.

P6 INSTALL VALLEY GUTTER PER DETAIL HEREON.

P7 INSTALL FLUSH BARRIER CURB PER DETAIL HEREON.

P8 INSTALL 6" TALL BARRIER CURB PER DETAIL HEREON. PROVIDE 1:1 BEVEL AT END OF CURB WHEN CURB ENDS AT SIDEWALK OR FLUSH CURB.

P9 PROVIDE 18"' WIDE OPENING IN CURB FOR DRAINAGE PER DETAIL HEREON. PLACE 4' WIDE X 1' DEEP COBBLE SWALE (4"-6" COBBLES) BETWEEN CURB OPENING AND BOTTOM OF BIO-RETENTION PLANTER.

P10 SAWCUT 24" MINIMUM FROM EXISTING FACE OF CURB AND REMOVE PAVEMENT, CURB AND SIDEWALK AS NEEDED TO INSTALL RAISED CONCRETE CROSSWALK PER DETAIL HEREON.

P11 PROVIDE PLANTER CURB PASS-THROUGH PER DETAIL HEREON.

P12 INSTALL MODIFIED VERTICAL CURB AND GUTTER PER DETAIL HEREON.

P13 INSTALL 3 REMOVABLE BOLLARDS PER CITY OF DAVIS STANDARD DETAIL 301-8.

0 10 20 40 60
SCALE: 1" = 20'

PAVEMENT NOTES:

1. SEE ARCHITECTURAL PLANS FOR RAMPS, CURB RAMPS, PEDESTRIAN CONCRETE FLATWORK, AND TRASH ENCLOSURE DESIGN AND DETAILS.
2. ALL ACCESSIBLE PARKING SPACES AND ACCESS AISLES SHALL HAVE A MAXIMUM SLOPE OF 2% IN ANY DIRECTION.
3. ALL ACCESSIBLE PATHS OF TRAVEL SHALL HAVE MAXIMUM SLOPES OF 5% IN THE DIRECTION OF TRAVEL AND MAXIMUM CROSS-SLOPES OF 2%.
4. SEE LANDSCAPE PLANS FOR PEDESTRIAN FLATWORK DESIGN AND DETAILS.
5. ALL PEDESTRIAN CONCRETE SIDEWALKS AND FLATWORK SHALL BE 4" P.C.C. (3,500 PSI MINIMUM) OVER 6" CLASS 2 A.B. (95% COMPACTION), OVER 12" SUBGRADE (90% COMPACTION). SEE LANDSCAPE PLANS FOR JOINTS, SCORE LINES AND FINISH DETAILS AND REQUIREMENTS.

6" BARRIER CURB

MODIFIED VERTICAL CURB AND GUTTER

FLUSH BARRIER CURB

VERTICAL CURB AND GUTTER

VALLEY GUTTER

NOTES:
1. AT THE END OF EACH DAYS POUR OR WHEN A DELAY OF MORE THAN 30 MINUTES OCCURS, THE JOINT SHALL BE MADE VERTICAL AND SQUARE ENDED WITH 18 INCH LENGTHS OF #4 REBAR EMBEDDED AT 18 INCHES ON CENTER.
2. WHEN A CONCRETE POUR TERMINATES AT EXISTING CONCRETE, THE REBAR, AS DESCRIBED ABOVE, SHALL BE RETROFITTED BY CORING AND DRILLING EXISTING CONCRETE (4" MIN.), INSTALLING BARS, AND FILLING ANNULAR VOIDS WITH EPOXY.
3. PROVIDE 12" LONG TRANSITIONS BETWEEN DIFFERENT TYPES OF CURBS UNLESS OTHERWISE INDICATED.

CONCRETE CURB DETAILS

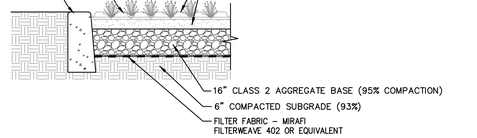
NTS

CURB OPENING DETAIL

NTS

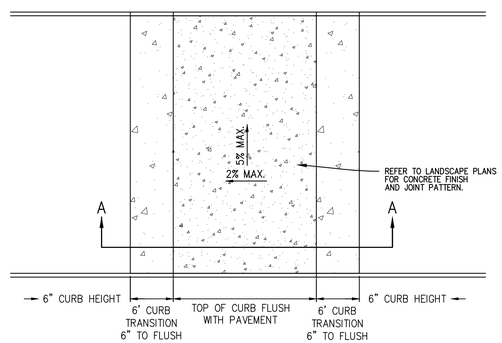
PLANTER CURB PASS-THROUGH DETAIL

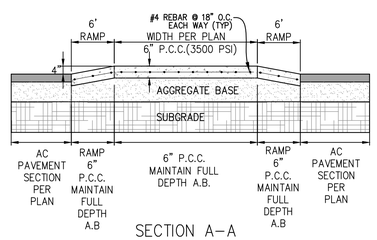
NTS



DRIVABLE GRASS PAVEMENT DETAIL

NTS





SECTION A-A

RAISED CONCRTE CROSSWALK DETAIL

NTS

WMB ARCHITECTS
5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

Walnut Park Library
2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

CUNNINGHAM ENGINEERING
Davis Office
2940 Spafford Street
Suite 200
Davis, CA 95618
(530) 756-2026
CECWEST.COM
Sacramento Office
2120 20th Street
Suite Three
Sacramento, CA 95818
(916) 455-2026

DATE SIGNED: _____

THESE DRAWINGS ARE NOT CONSIDERED FINAL UNTIL THE ENGINEER'S SEAL BELOW HAS BEEN SIGNED AND DATED.

REGISTERED PROFESSIONAL ENGINEER DANIEL A. ZEPEDA No. C 87 CIVIL STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

08.23.24	BID SET

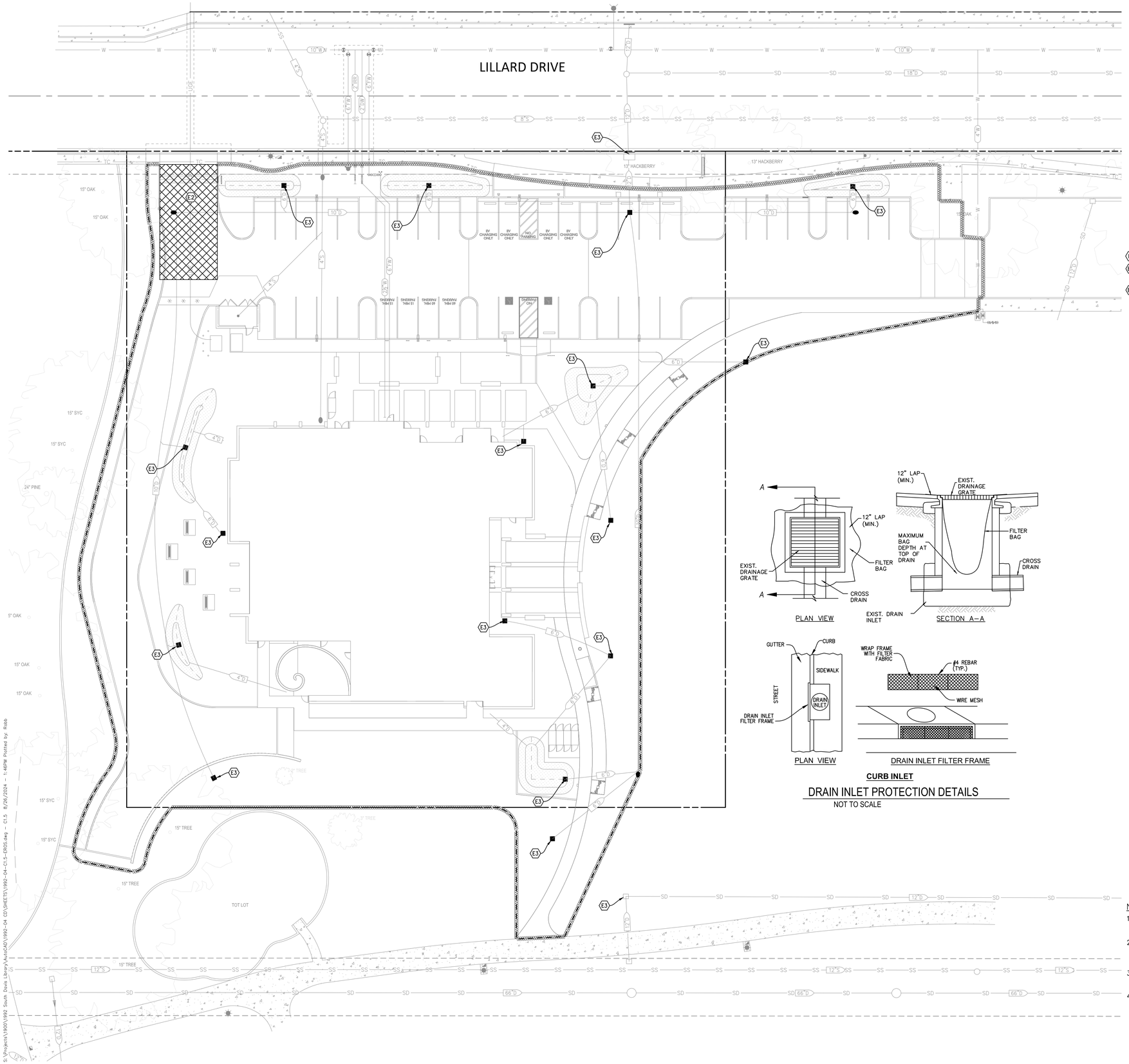
SITE PAVING PLAN

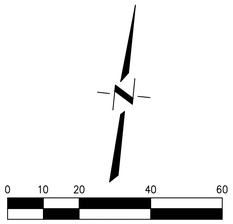
C1.4

[redacted]

8/31/2023 9:21:09 AM Copyright WMB, Inc.

S:\Projects\1900\1992 South Davis Library\AutoCAD\1992-04 CD\SHEETS\1992-04-C1.4-PAVE.dwg - C1.4 8/26/2024 - 1:46PM Plotted by: Rob





LEGEND

E2 STABILIZED CONSTRUCTION ENTRANCE

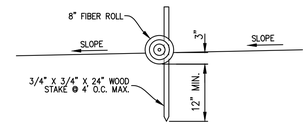
FIBER ROLL E1

EROSION CONTROL KEYNOTES:

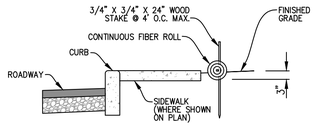
E1 PLACE FIBER ROLL PER DETAIL HEREON.

E2 CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE PER DETAIL HEREON IF USED AS A CONSTRUCTION ENTRANCE.

E3 INSTALL INLET PROTECTION PER DETAIL HEREON.



FIBER ROLL



TYPICAL SIDEWALK (WHERE PRESENT) LAYOUT

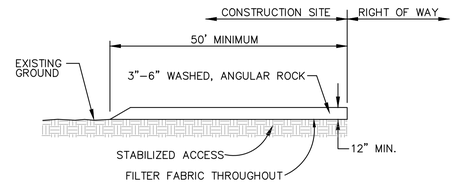
CURB INLET

DRAIN INLET PROTECTION DETAILS

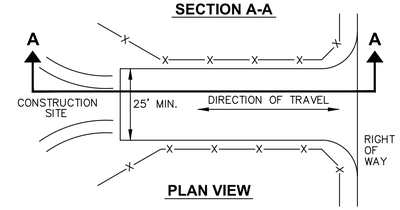
NOT TO SCALE

FIBER ROLL PROTECTION DETAIL

NOT TO SCALE



SECTION A-A



PLAN VIEW

NOTES:

1. STABILIZED CONSTRUCTION SITE ACCESS SHALL BE CONSTRUCTED OF 3" TO 6" WASHED, ANGULAR ROCK. MATERIAL SHALL BE PLACED TO A MINIMUM THICKNESS OF 12".
2. LENGTH OF ENTRANCE SHALL BE A MINIMUM OF 50 FEET. WIDTH SHALL BE A MINIMUM OF 25 FEET OR GREATER IF NECESSARY TO COVER ALL VEHICULAR INGRESS AND EGRESS. PROVIDE AMPLE TURNING RADII.
3. THE ENTRANCE SHALL BE KEPT IN GOOD CONDITION BY OCCASIONAL TOP DRESSING WITH MATERIALS AS SPECIFIED IN NOTE 1.
4. ACCESSES SHALL BE INSPECTED WEEKLY DURING PERIODS OF HEAVY USAGE, MONTHLY DURING NORMAL USAGE, AND AFTER EACH RAINFALL, WITH MAINTENANCE PROVIDED AS NECESSARY. PERIODIC TOP DRESSING SHALL BE DONE AS NEEDED.

STABILIZED CONSTRUCTION SITE ENTRANCE

NOT TO SCALE

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

Walnut Park Library
2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

CUNNINGHAM ENGINEERING
CECWEST.COM
Davis Office • 2940 Spafford Street Suite 200 Davis, CA 95618 (530) 758-2026
Sacramento Office • 2120 20th Street Suite Three Sacramento, CA 95818 (916) 405-2026

DATE SIGNED:

THESE DRAWINGS ARE NOT CONSIDERED FINAL UNTIL THE ENGINEER'S SEAL BELOW HAS BEEN SIGNED AND DATED.

REGISTERED PROFESSIONAL ENGINEER DANIEL A. FOX CIVIL STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

08.23.24	BID SET

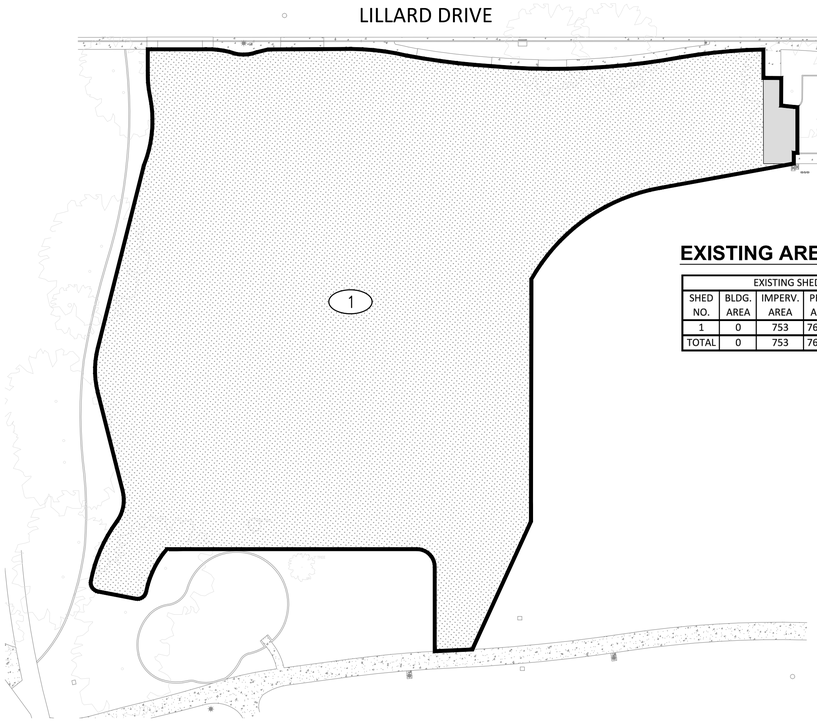
SITE EROSION CONTROL PLAN

C1.5

8/31/2023 9:21:09 AM

Copyright WMB, Inc.

S:\Projects\1900\1992 South Davis Library\AutoCAD\1992-04 CD\SHEETS\1992-04-C1.5-EROS.dwg - C1.5 8/26/2024 - 1:46PM Plotted by: Rob

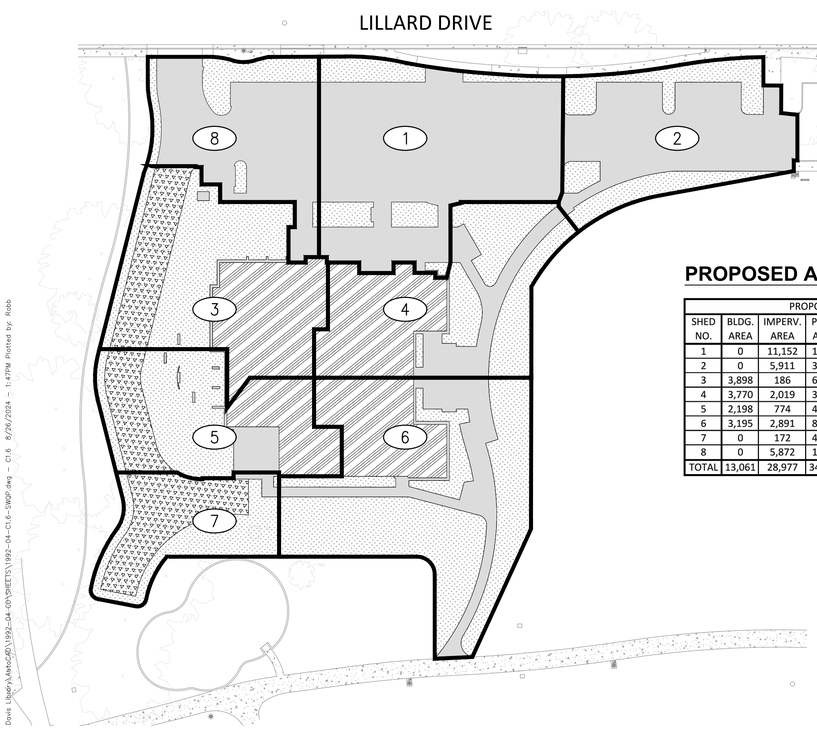


EXISTING AREA SUMMARY:

EXISTING SHED AREA SUMMARY (SF)						
SHED NO.	BLDG. AREA	IMPERV. AREA	PERV. AREA	TOTAL AREA	EX. TREE AREA	PERV.PAVE. AREA
1	0	753	76,097	76,850	5,961	0
TOTAL	0	753	76,097	76,850	5,961	0

SITE PLAN - EXISTING CONDITION

1"=40'



PROPOSED AREA SUMMARY:

PROPOSED SHED AREA SUMMARY (SF)								
SHED NO.	BLDG. AREA	IMPERV. AREA	PERV. AREA	TOTAL AREA	EX. TREE AREA	DECID. TREES	E.G. TREES	PERV. PAVE. AREA
1	0	11,152	1,847	12,999	0	4	0	0
2	0	5,911	3,112	9,023	2,255	3	0	0
3	3,898	186	6,474	10,558	1,495	6	0	2,112
4	3,770	2,019	3,705	9,494	0	5	1	0
5	2,198	774	4,864	7,836	353	3	0	1,451
6	3,195	2,891	8,370	14,456	0	4	0	0
7	0	172	4,857	5,029	1,733	0	0	2,556
8	0	5,872	1,583	7,455	125	4	0	0
TOTAL	13,061	28,977	34,812	76,850	5,961	29	1	6,119

SITE PLAN - PROPOSED CONDITION

1"=40'

LEGEND:

- SHED BOUNDARIES
- 8 — SHED NUMBERS
- NON-BUILDING IMPERVIOUS AREAS
- PERVIOUS AREAS
- BUILDING IMPERVIOUS AREAS
- PERVIOUS REINFORCED GRASS PAVEMENT

N

0 20 40 80 120

SCALE: 1" = 40'

PROJECT INFORMATION:

PROJECT NAME: ONE STORY OFFICE LIBRARY BUILDING
ADDRESS: 2700 LILLARD DRIVE
APPLICANT: YOLO COUNTY GENERAL SERVICES DEPARTMENT
APN#: 069-460-055 AND 069-460-056

PROJECT NARRATIVE:

STORMWATER FROM THE ROOF OF THE BUILDING WILL BE COLLECTED IN ROOF GUTTERS AND DOWNSPOUTS WHERE IT WILL EITHER SURFACE FLOW OR BE PIPED DIRECTLY INTO BIO-RETENTION PLANTERS. STORMWATER FROM THE SITE SIDEWALKS AND PAVEMENTS WILL SURFACE FLOW DIRECTLY INTO BIO-RETENTION PLANTERS. THE CALCULATIONS AND DATA SHOWN HEREON REPRESENT THE FINAL AREA TAKE-OFFS AND CALCULATIONS. THESE HAVE CHANGED OVER THE DESIGN OF THE PROJECT BASED ON MINOR CHANGES IN THE SITE LAYOUT AND THE LOCATION OF DRAINAGE SHED BOUNDARIES AS THE DESIGN PROGRESSED.

SITE DESIGN & RUNOFF REDUCTION MEASURES:

TREE PLANTING AND PRESERVATION
NEW TREES WILL BE PLANTED ON THE SITE, SEE LANDSCAPE PLANTING PLAN.

DIRECT RUNOFF FROM SIDEWALKS, WALKWAYS AND/OR PATIOS ONTO VEGETATED AREAS SAFELY AWAY FROM BUILDING FOUNDATIONS AND FOOTINGS
SEE GRADING PLAN SHEET DRAINAGE OF SIDEWALKS AND PARKING LOTS TO BIO-RETENTION PLANTERS.

DIRECT RUNOFF FROM DRIVEWAYS AND/OR UNCOVERED PARKING LOTS ONTO VEGETATED AREAS SAFELY AWAY FROM BUILDING FOUNDATIONS AND FOOTINGS
SEE GRADING PLAN SHEET DRAINAGE OF SIDEWALKS AND PARKING LOTS TO BIO-RETENTION PLANTERS.

POST-CONSTRUCTION STORMWATER KEYNOTES:

INSTALL BIO-RETENTION PLANTER PER DETAILS ON PLANS. SEE SIZING CHART HEREON FOR PLANTER SIZE REQUIREMENTS.

STATEMENT OF COMPLIANCE

STORM WATER QUALITY TREATMENT PERFORMANCE REQUIREMENTS HAVE BEEN MET ON-SITE PER E.12 REQUIREMENTS.

SMARTS POST-CONSTRUCTION WATER BALANCE CALCULATOR

1. THE SMARTS POST-CONSTRUCTION WATER BALANCE CALCULATOR SPREADSHEETS FOR EACH SHED ARE AVAILABLE UPON REQUEST.
2. THE SMARTS POST-CONSTRUCTION WATER BALANCE CALCULATOR SPREADSHEETS USE THE 85TH PERCENTILE 24-HOUR STORM EVENT FOR DESIGN CALCULATIONS.

STATEMENT OF HYDROMODIFICATION COMPLIANCE

THIS PROJECT DOES NOT CREATE AND/OR REPLACE ONE ACRE OR MORE OF IMPERVIOUS SURFACE AND THEREFORE IS NOT SUBJECT TO HYDROMODIFICATION MANAGEMENT (PER SECTION E.12.f.(i) OF THE GENERAL PERMIT).

BIO-RETENTION PLANTER SIZING CALCULATIONS

	BIO-RETENTION PLANTER CHARACTERISTICS						
Shed No.	Planter Bottom Area (SF)	Planter Bottom Perimeter (FT)	Planter Ponding Depth (FT)	Bio-soil Mix Depth (FT)	Permeable Material Depth (FT)	Bio-retention Volume Provided (CF)	Bio-retention Volume Required (CF)
1	148	87	0.50	1.50	2.00	292	281
2	73	65	0.50	1.50	1.00	123	85
3	69	72	0.50	1.50	1.00	120	40
4	137	45	0.50	1.50	1.00	202	96
5	62	42	0.50	1.50	1.00	99	25
6	190	66	0.50	1.50	1.00	281	69
7	0	0	0.50	1.50	1.00	0	0
8	111	65	0.50	1.50	1.00	174	131
Total						1,291	727

ASSUMPTIONS
Side slope = 3.00
Soil pores = 0.30
Gravel pores = 0.40
Soil Class = D
[calculations assume bio-soil and gravel below bottom only, not under side slopes]

WMB ARCHITECTS
5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

Walnut Park Library
2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

CUNNINGHAM ENGINEERING
Davis Office
2940 Spafford Street
Suite 210
Davis, CA 95618
(530) 756-5905
CECWEST.COM
Sacramento Office
2120 20th Street
Suite Three
Sacramento, CA 95818
(916) 455-2026

DATE SIGNED: _____

THESE DRAWINGS ARE NOT CONSIDERED FINAL UNTIL THE ENGINEER'S SEAL BELOW HAS BEEN SIGNED AND DATED.

REGISTERED PROFESSIONAL ENGINEER DANIEL A. FRANCIS No. C 58722 CIVIL STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

08.23.24	BID SET

SITE STORMWATER QUALITY PLAN

C1.6

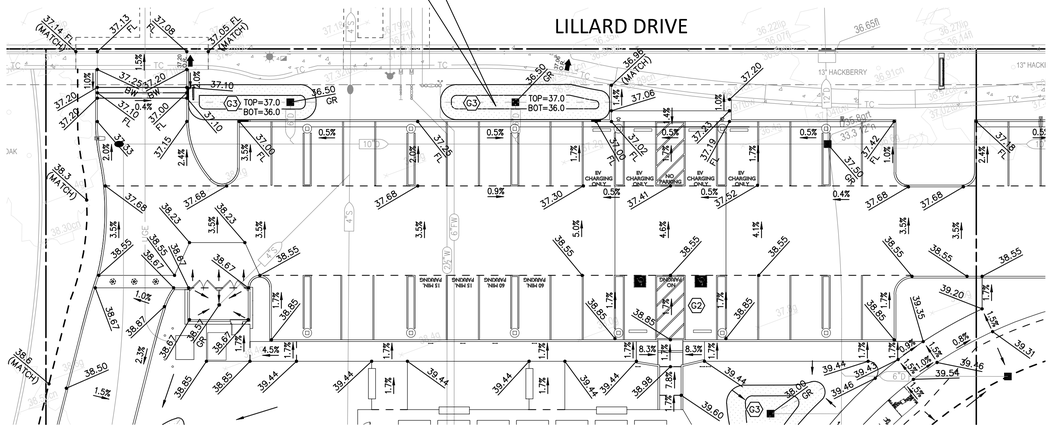
[redacted]

8/31/2023 9:21:09 AM

Copyright WMB, Inc.

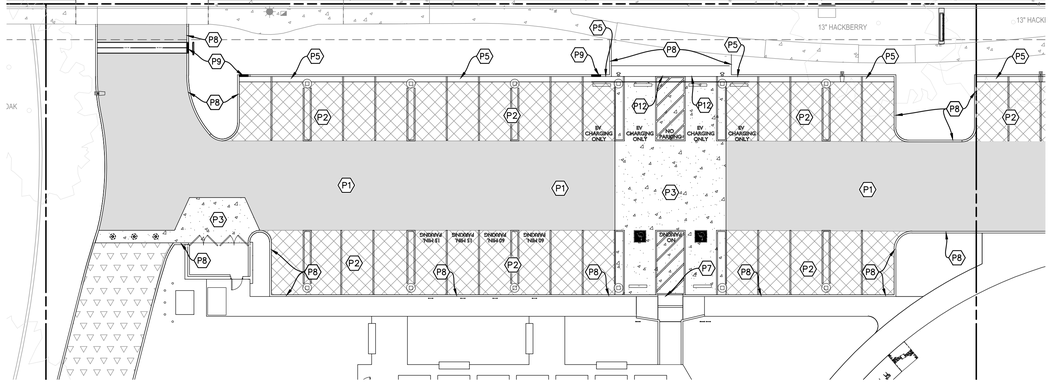
S:\Projects\1900\1992 South Davis Library\AutoCAD\1992-04-ARCHITECTS\1992-04-C1.6-SWQP.dwg — C1.6 8/26/2024 - 1:47PM Plotted by: Robb

NOTE: THE PERMEABLE MATERIAL DEPTH FOR THIS BASIN SHALL BE INCREASED FROM 1' TO 2' FOR THIS ALTERNATE.



SITE GRADING PLAN - BID ALTERNATE #2

(SEE SHEET C1.2 FOR KEYNOTES, LEGEND AND GRADING NOTES).



SITE PAVING PLAN - BID ALTERNATE #2

(SEE SHEET C1.4 FOR KEYNOTES, LEGEND AND PAVEMENT NOTES).

0 10 20 40 60

SCALE: 1" = 20'

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

CUNNINGHAM ENGINEERING

Davis Office
2940 Spafford Street
Suite 200
Davis, CA 95618
(530) 756-2026

CECWEST.COM

Sacramento Office
2120 20th Street
Suite Three
Sacramento, CA 95818
(916) 455-2026

DATE SIGNED: _____

THESE DRAWINGS ARE NOT CONSIDERED FINAL UNTIL THE ENGINEER'S SEAL BELOW HAS BEEN SIGNED AND DATED.

REGISTERED PROFESSIONAL ENGINEER
DANIEL A. PEARCE
No. C 69881
CIVIL
STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

08.23.24	BID SET

BID ALTERNATE #2 - P.V. COVER

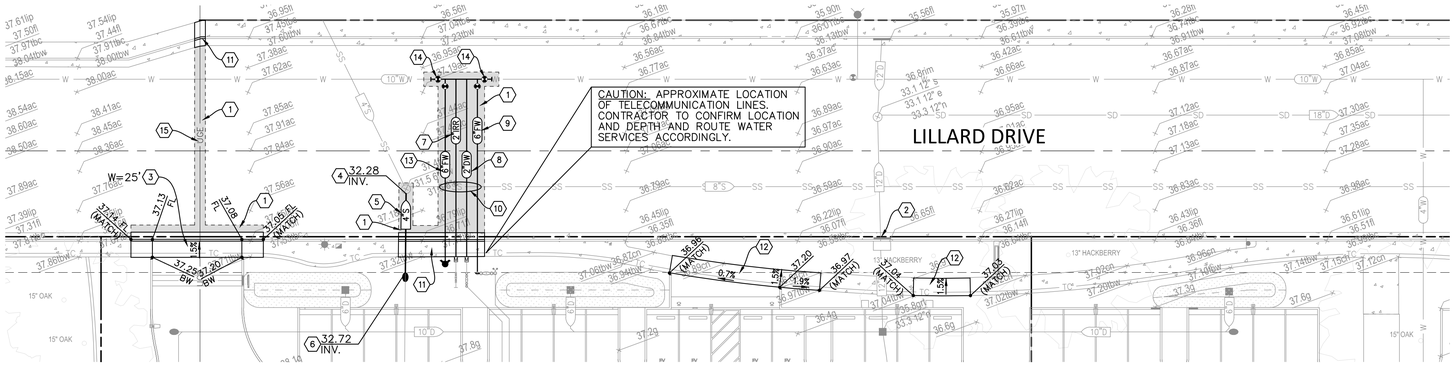
C1.7

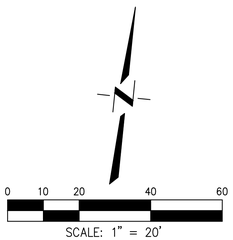
[redacted]

8/31/2023 9:21:09 AM

Copyright WMB, Inc.

S:\Projects\1900\1992 South Davis Library\AutoCAD\1992-04 CD\SHEETS\1992-04-C1.7-ALT2.dwg - C1.7 8/26/2024 - 1:47PM Plotted by: Robb



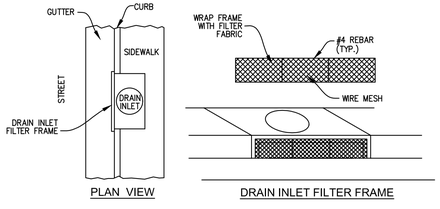


KEYNOTES

1. PATCH PAVEMENT, SLURRY SEAL AND RESTRIPE PER CITY OF DAVIS REQUIREMENTS AND STANDARD PLAN 201–1.
2. INSTALL INLET PROTECTION PER DETAIL HEREON.
3. CONSTRUCT HEAVY TYPE 1 DRIVEWAY PER CITY OF DAVIS STANDARD PLAN 301–4, WIDTH PER PLAN. PROVIDE DOWELS AT CONFORM POINTS PER CITY OF DAVIS STANDARD PLAN 301–1.
4. JOIN SEWER SERVICE TO EXISTING MAINTENANCE HOLE.
5. INSTALL 22 L.F. 4" SEWER SERVICE AT S=0.0200 AND PATCH TRENCH PER CITY OF DAVIS STANDARD PLANS 201–1 AND 201–4. JOIN SERVICE TO NEW MAINTENANCE HOLE.
6. INSTALL SEWER SERVICE CLEANOUT AT PUBIC UTILITY EASEMENT LINE PER CITY OF DAVIS STANDARD PLAN 201–6.
7. CUT–IN NEW 2" SITE IRRIGATION WATER SERVICE (50 L.F.) WITH 2" METER SET BEHIND SIDEWALK PER CITY OF DAVIS STANDARD PLANS 101–5, 101–6, 101–12 AND 201–1.
8. CUT–IN NEW 2" SITE DOMESTIC WATER SERVICE (50 L.F.) WITH 2" DOMESTIC WATER METER SET BEHIND SIDEWALK PER CITY OF DAVIS STANDARD PLANS 101–5, 101–6, AND 201–1.
9. CUT–IN NEW 6" SITE FIRE SPRINKLER SERVICE (55 L.F.) WITH 6" GATE VALVE TO P.U.E. LINE PER CITY OF DAVIS STANDARD PLANS 101–2, 101–3, 101–5, AND 201–1. CAP END OF PIPE AND MARK WITH 4X4 POST PAINTED RED.
10. PROPOSED WATER CROSSING WITH OTHER UTILITY AS SHOWN ON PLAN – SEE UTILITY NOTE 4 BELOW.
11. REPAIR CURB, GUTTER AND SIDEWALK, WITH DOWELS, PER CITY OF DAVIS STANDARD PLAN 301–1.
12. REMOVE AND REPLACE 5' WIDE DETACHED SIDEWALK, WITH DOWELS, PER CITY OF DAVIS STANDARD PLAN 301–1.
13. CUT–IN NEW 6" SITE FIRE HYDRANT SERVICE (52 L.F.) WITH 6" GATE VALVE AND FIRE HYDRANT ASSEMBLY PER CITY OF DAVIS STANDARD PLANS 101–1, 101–2, 101–3, 101–5, AND 201–1.
14. INSTALL 10" ISOLATION GATE VALVES ON EITHER SIDE OF CUT–IN WATER SERVICE CONNECTIONS AS INDICATED PER CITY OF DAVIS STANDARD PLANS 101–3 AND 201–1.
15. APPROXIMATE LOCATION OF SITE ELECTRICAL SERVICE SHOWN FOR REFERENCE ONLY. SEE ELECTRICAL PLANS FOR REQUIREMENTS. CONTRACTOR SHALL COORDINATE EXACT LOCATION AND PATCH PER KEYNOTE 1.

UTILITY NOTES

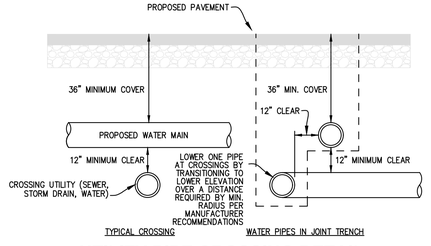
1. WATER PIPES TO BE INSTALLED WITH 36" MINIMUM COVER AND 12" MINIMUM SEPARATION FROM OTHER UTILITIES (INCLUDING OTHER WATER LINES) – SEE CROSSING DETAIL HEREON. SITE WATER PIPES SHALL EITHER BE MECHANICALLY RESTRAINED AT ALL JOINTS AND FITTINGS OR HAVE CONCRETE THRUST BLOCKS INSTALL AT ALL FITTINGS PER CITY OF DAVIS STANDARD PLAN 101–2.
2. ALL UTILITY PIPE TRENCHES ARE TO BE PER CITY OF DAVIS STANDARD PLAN 201–1.
3. CONTRACTOR TO POTHOLE EXISTING JOINT TRENCH UTILITIES (GAS, ELEC, TELE.) AT EACH PROPOSED UTILITY CROSSING PRIOR TO START OF CONSTRUCTION AND REPORT ANY CONFLICTS TO THE ENGINEER.
4. PROPOSED GRAVITY UTILITY LINES AND EXISTING UTILITIES SHALL GOVERN VERTICAL INSTALLATION OF PROPOSED WATER IMPROVEMENTS. CONTRACTOR SHALL RAISE/LOWER NEW WATER LINE IMPROVEMENTS TO AVOID VERTICAL CONFLICTS WITH PROPOSED GRAVITY LINES AND EXISTING UTILITIES AT NO COST TO OWNER.
5. ALL FIRE WATER LINES SHALL MAINTAIN 36" MINIMUM COVER PER NFPA.



CURB INLET

DRAIN INLET PROTECTION DETAILS

NOT TO SCALE



UTILITY PIPE CROSSING DETAIL

NTS

REVIEWED:_____

CITY ENGINEER

REG. ENGR.LIC.NO._____

DWG. NO.:

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

CUNNINGHAM ENGINEERING
Davis Office • 2940 Spafford Street Suite 200 Davis, CA 95618 (530) 758-3205
CECWEST.COM
Sacramento Office • 2120 20th Street Suite Three Sacramento, CA 95818 (916) 455-2026

DATE SIGNED:_____

THESE DRAWINGS ARE NOT CONSIDERED FINAL UNTIL THE ENGINEER'S SEAL BELOW HAS BEEN SIGNED AND DATED.

REGISTERED PROFESSIONAL ENGINEER DANIEL A. FERGUSON No. C 59722 CIVIL STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

08.23.24	BID SET

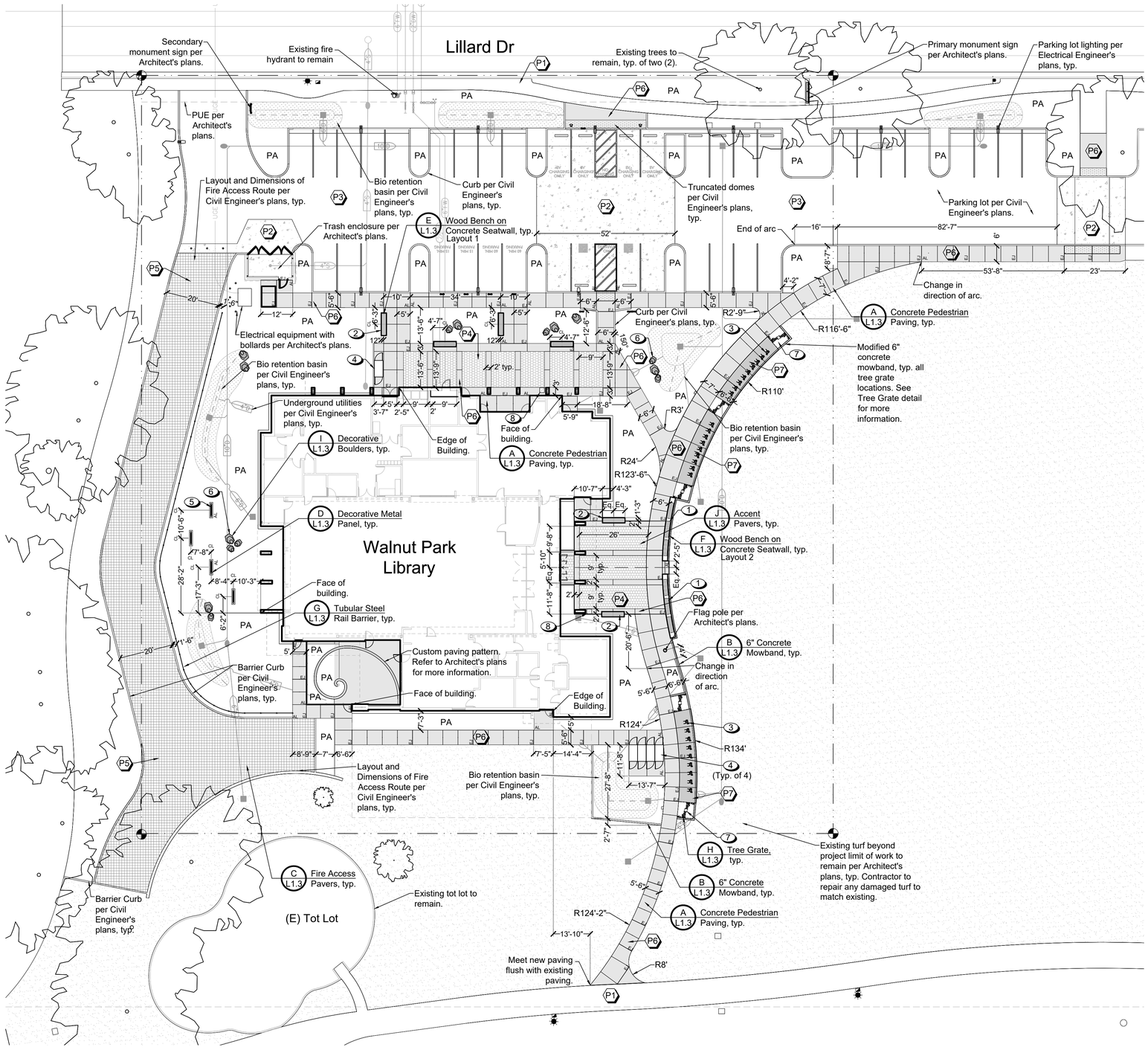
CITY OF DAVIS
ENCROACHMENT PERMIT
WORK

C2.0

8/31/2023 9:21:09 AM

Copyright WMB, Inc.

S:\Projects\1900\1992 South Davis library\AutoCAD\1992-04 CD\SHEETS\1992-04_C2.0-CITY.dwg - C2.0 8/26/2024 - 1:47PM Plotted by: Rob



Site Furnishings Legend

Key	Description	Manufacturer	Qty.	Detail
1	6' backless wood bench wall mounted to concrete seatwall	Refer to Specifications for additional information.	6	F L1.3
2	8' backless wood bench wall mounted to concrete seatwall	Refer to Specifications for additional information.	6	E L1.3
3	Varsity Bike Dock DV215 bike rack (2 bikes per rack)	Refer to Specifications for additional information.	27	Install per manufacture specifications.
4	DuraCore DH2 double bike locker (2 bikes per locker)	Refer to Specifications for additional information.	5	Install per manufacture specifications.
5	Decorative metal panels at Focal Garden	Refer to Specifications for additional information.	4	D L1.3
6	Decorative landscape boulder	Refer to Specifications for additional information.	15	I L1.3
7	6' square Cascade tree grate with powder coated finish	Refer to Specifications for additional information.	5	H L1.3
8	Trash and Recycling Receptacle	Refer to Specifications for additional information.	2	Install per manufacture specifications.

Paving Schedule

Key	Description	Color	Finish	Notes
P1	Existing Concrete Paving	---	---	Per Architect's plans
P2	Concrete Paving in Parking Lot	---	---	Per Architect's plans
P3	Asphalt Paving	---	---	Per Civil Engineer's plans
P4	Concrete Pavers	Victorian	---	Belgard Melville Plank. Refer to Specifications for more information.
P5	Fire Access Paver	---	---	Soil Retention Products Fire Access Paver. Refer to Specifications for more information.
P6	Concrete Paving	Standard	Medium Broom	Per Detail A/L1.3
P7	Colored Concrete Paving	Davis Color 860 (Iron Oxide)	Medium Broom	Per Detail A/L1.3

Construction/Layout Legend

Symbol	Description	Symbol	Description
Typ.	Typical	(E)	Existing
R	Radius	SC	Score Joint
AL	Align	EJ	Expansion Joint
CL	Centerline	PA	Planting Area

Construction Notes

1. All work is to be performed by a licensed Contractor(s) and experienced workers.
2. Contractor shall contact Landscape Architect of any discrepencies between field conditions and plans prior to proceeding with work. The written dimension shall supercede the drawn dimension. All field adjustments must be approved by the Landscape Architect prior to installation.
3. The Contractor shall be responsible for all project and construction surveying, staking, layout and measurements. All surveying and field engineering necessary to establish the lines and grade stakes indicated in these plans and specifications shall be performed by a licensed land surveyor.
4. The Contractor shall be responsible for the protection of all existing monuments and other survey markers on the job site.
5. Any concrete surface to be removed shall be saw cut to a neat, straight line.
6. All dimensions are to face of curb, back of wall, face of wall, center line of columns, face of columns, edge of paving, or face of building, unless otherwise noted. All dimensions are at 90 or 45 degrees, unless otherwise noted.
7. Install all walls true and plumb.
8. Sleeving shall be coordinated with concrete work as required.
9. All materials and finishes shall be as per drawings, details and specifications. Some materials may require a several week order lead time. Contractor is responsible for determining any and all ordering delays, and providing required materials at the project site in a timely manner. No unapproved substitutions will be allowed. Contact the Landscape Architect immediately if a specified material is not available.
10. All concrete paving is to match as closely as possible to existing concrete color, score alignment and abutting elevations. Refer to Paving Schedule for more information.
11. Refer to project technical specifications and details for additional information.

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

Walnut Park Library
2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED LANDSCAPE ARCHITECT
GREGORY P. [illegible]
CRLA 3757
NOT FOR CONSTRUCTION
08.23.24
Date
STATE OF CALIFORNIA

This drawing is not final and shall not be used for construction work until it has been signed by the Landscape Architect

08.23.24	BID SET

The HLA Group
Landscape Architects & Planners, Inc.

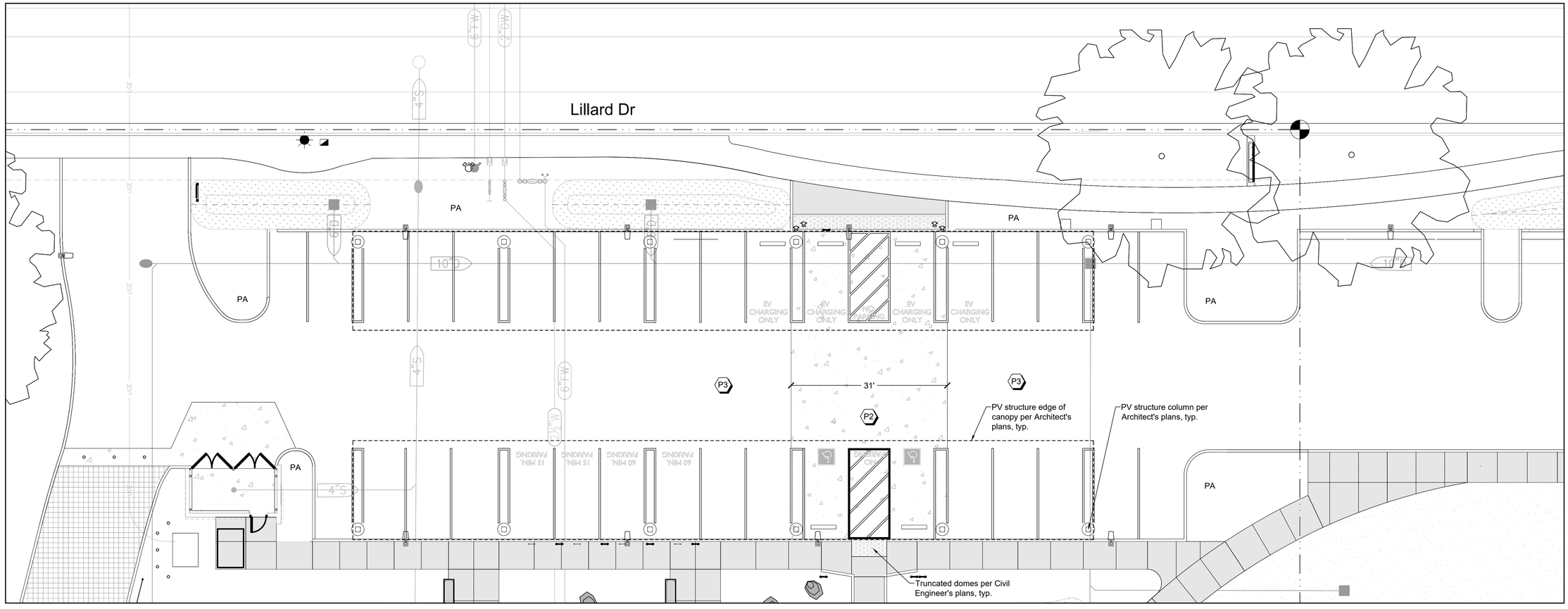
555 University Avenue,
Suite 154
Sacramento, California 95825
916.447.7400
www.hlagroup.com
CRLA 3757

Layout Plan

L1.1

8/31/2023 9:21:09 AM

Copyright WMB, Inc.



A | PV @ PKG LOT - ADD BID ALT #2

1" = 10'-0" Plan

0' 10' 20' 30'

Scale 1"=10'-0"

34619

Paving Schedule

Key	Description	Color	Finish	Notes
P1	Existing Concrete Paving	---	---	Per Architect's plans
P2	Concrete Paving in Parking Lot	---	---	Per Architect's plans
P3	Asphalt Paving	---	---	Per Civil Engineer's plans
P4	Concrete Pavers	Victorian	---	Belgard Melville Plank. Refer to Specifications for more information.
P5	Fire Access Paver	---	---	Soil Retention Products Fire Access Paver. Refer to Specifications for more information.
P6	Concrete Paving	Standard	Medium Broom	Per Detail A/L1.3
P7	Colored Concrete Paving	Davis Color 860 (Iron Oxide)	Medium Broom	Per Detail A/L1.3

Construction/Layout Legend

Symbol	Description	Symbol	Description
Typ.	Typical	(E)	Existing
R	Radius	SC	Score Joint
AL	Align	EJ	Expansion Joint
CL	Centerline	PA	Planting Area

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

Walnut Park Library
2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED LANDSCAPE ARCHITECT GREGORY P. HASSER CRLA 3757 STATE OF CALIFORNIA
NOT FOR CONSTRUCTION
08.23.24
Date Signed 9/26
08.23.24
Date

This drawing is not final and shall not be used for construction work until it has been signed by the Landscape Architect

08.23.24	BID SET

The HLA Group
Landscape Architects
& Planners, Inc.

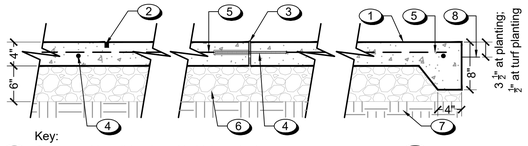
555 University Avenue,
Suite 154
Sacramento, California 95825
916.447.7400
www.hlagroup.com
CRLA 3757

Add Bid Alt #2
Layout Plan

L1.2

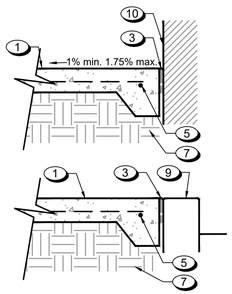
8/31/2023 9:21:09 AM

Copyright WMB, Inc.



Key:

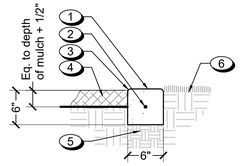
1. Concrete sidewalk/paving with thickened edge at all planting areas. Finish: Refer to Paving Schedule sheet L1.1.
2. 3/8" x 3/4" deep tooled score joint, typ. Refer to Layout Plan for locations.
3. 3/8" fiber expansion joint w/ backer rod and sealant.
4. 12" long #4 dowels at 24" o.c. spacing. Wrap one side of dowel with building paper. Locate in center of slab.
5. Rebar at mid depth of slab. Refer to the Geotechnical report for concrete reinforcement requirements.
6. Class II aggregate base compacted per Geotechnical report.
7. Compacted subgrade per Geotechnical report.
8. Finish grade of planting area.
9. Adjacent curb per Civil Engineer's plans.
10. Building wall, where applicable.



***Note: Refer to Geotechnical Report for all concrete thickness, reinforcement as well as mix strengths/specifications.

A | Concrete Pedestrian Paving

Scale: 1" = 1'-0" — Section



Key:

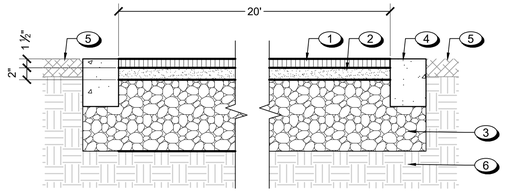
1. Concrete mowband with medium broom finish.
2. #3 rebar. Center in mow band and run continuous between expansion joints. Overlap 18" min. where required. Keep 2" clear min. from all edges.
3. 1/4" radius tooled edge, typ.
4. Adjacent planting surface, typ. Refer to Planting Plan.
5. Compacted subgrade to 90% R.D.
6. Finish turf grade. Hold 1/2" below top of curb at hydroseeded turf areas.

Notes:

A. Install fiber expansion joint in mow band, 40'-0" o.c. max.
B. Install fiber expansion joint between mow band and adjacent hardscaping or building.
C. Install tooled score joints 10'-0" o.c and at changes of direction.
D. Refer to plan sheets for more information.

B | 6" Concrete Mowband

1" = 1'-0" — Section



Key:

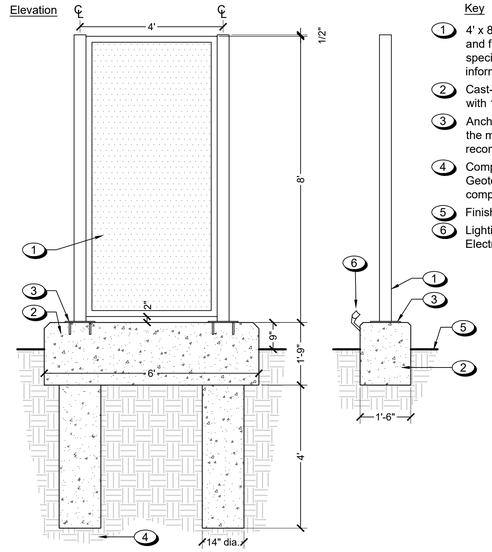
1. Driveable grass mats. Refer to Layout Plans and specifications.
2. 2" nominal compacted 75% clean sharp sand and 25% fine ground compost.
3. Compacted aggregate base per Civil Engineer's plans.
4. Concrete containment curb. Refer to Civil Engineer's plans for more information.
5. Adjacent planting area. See Layout Plans for more information.
6. Compacted subgrade per Civil Engineer's plans.

Notes:

A. Refer to specifications for more information.

C | Fire Access Pavers

Scale: 1" = 1'-0" — Elevation/Section

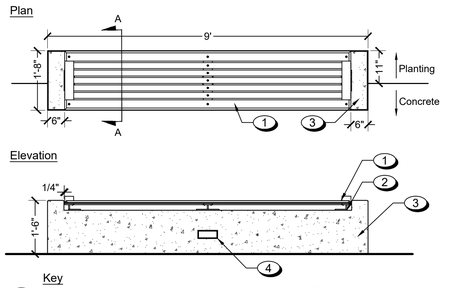


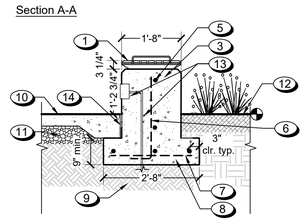
Key

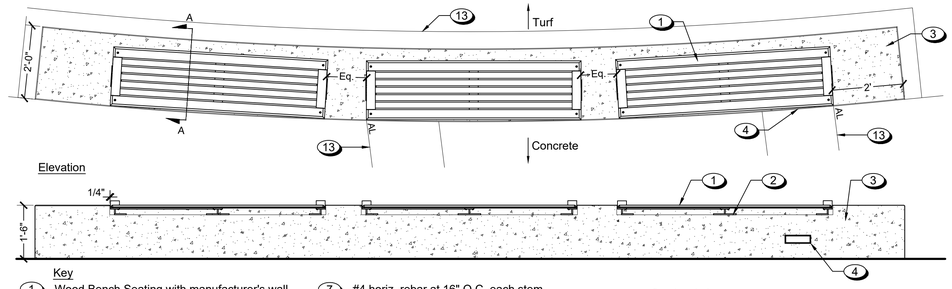
1. 4' x 8' decorative metal panel and frame. Refer to specifications for additional information.
2. Cast-in-place concrete footing with 1" chamfered corners.
3. Anchor panels to concrete per the manufacturer's recommendations.
4. Compacted subgrade. Refer to Geotechnical Report for compaction requirements.
5. Finish grade.
6. Lighting for panel. Refer to Electrical Plans.

D | Decorative Metal Panel

Scale: 1/2" = 1'-0" — Elevation/Section





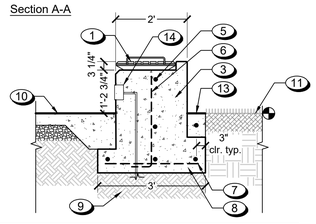


Key

1. Wood Bench Seating with manufacturer's wall mount attachment. Center bench on concrete seatwall. Refer to specifications for additional information.
2. Mounting plates for wall mount bench.
3. Cast in place concrete seatwall with light sandblast finish and 3/4" chamfered edge.
4. Recessed wall light. See electrical plans for additional information.
5. (3) #4 horiz. rebar, as shown.
6. #4 vert. rebar at 16" O.C. at stem, typ.
7. #4 horiz. rebar at 16" O.C. each stem.
8. Concrete footing.
9. Compacted subgrade, refer to Geotechnical Report for compaction requirements.
10. Concrete paving, refer to Paving Schedule for additional information.
11. Aggregate base, refer to Concrete Pedestrian Paving detail this sheet.
12. Adjacent planting grade.
13. Light fixture and electrical conduit. Refer to Electrical Plans.
14. 3/8" Expansion joint.

E | Wood Bench on Concrete Seatwall - Layout 1

Scale: 1/2" = 1'-0" — Elevation/Section

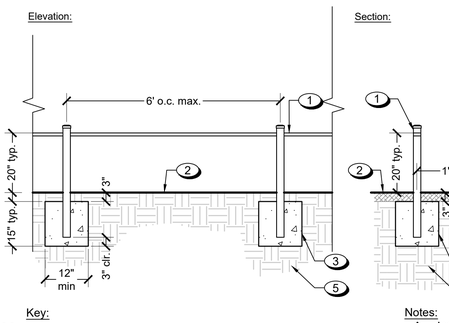


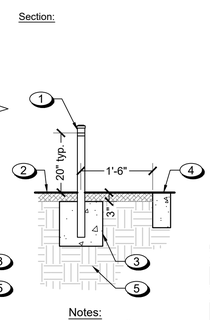
Key

1. Wood Bench Seating with manufacturer's wall mount attachment. Refer to specifications for additional information. Align benches with adjacent concrete paving scores as shown.
2. Mounting plates for wall mount bench.
3. Cast in place concrete seatwall with light sandblast finish and 3/4" chamfered edge.
4. Recessed wall light. Center light on adjacent concrete band. See electrical plans for additional information.
5. (3) #4 horiz. rebar, as shown.
6. #4 vert. rebar at 16" O.C. at stem, typ.
7. #4 horiz. rebar at 16" O.C. each stem.
8. Concrete footing.
9. Compacted subgrade, refer to Geotechnical Report for compaction requirements.
10. Concrete paving, refer to Paving Schedule for additional information.
11. Adjacent planting grade.
12. Adjacent concrete paving score lines. Align benches with scores as shown.
13. 6" Concrete Mowband at adjacent turf where applicable.
14. Light fixture and electrical conduit. Refer to Electrical Plans.

F | Wood Bench on Concrete Seatwall - Layout 2

Scale: 1/2" = 1'-0" — Elevation/Section





Key:

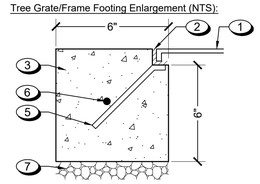
1. Metal railing with powder coated finish. Post: 2-1/2" sq. post with post caps. Top rail: 1" by 2 1/2" welded to posts. Color: RAL 9007 (gray). Contractor to apply a min. of two (2) coats touch-up paint in-field as needed.
2. Adjacent planting area. See Layout Plans for more information.
3. Concrete footing.
4. Adjacent concrete fire access paver curb.
5. Compacted subgrade to 90% relative density.

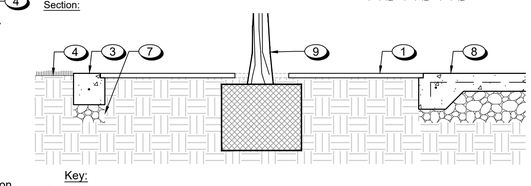
Notes:

A. Install per Manufacturer recommendation.
B. See specifications for additional information.

G | Tubular Steel Rail Barrier

Scale: 1/2" = 1'-0" — Elevation/Section



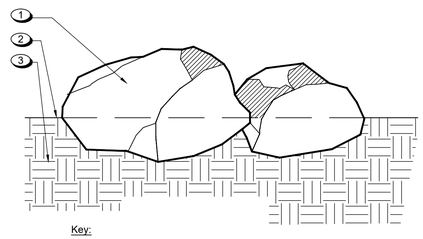


Key:

1. Tree grate. See Layout Plan for more information.
2. Tree grate frame per manufacturer. Frame sized to coordinate with grate thickness.
3. 6" concrete grate/frame footing on turf side of tree grate.
4. Adjacent turf grade - where applicable.
5. #3 angled rebar embedment anchor, per manufacturer's recommendations.
6. #4 horizontal rebar.
7. 4" compacted aggregate base.
8. Concrete pedestrian paving with thickened edge. See Concrete Paving detail.
9. Tree. See Tree Planting detail.

H | Tree Grate

Scale: 3/4" = 1'-0" — Elevation/Section



Key:

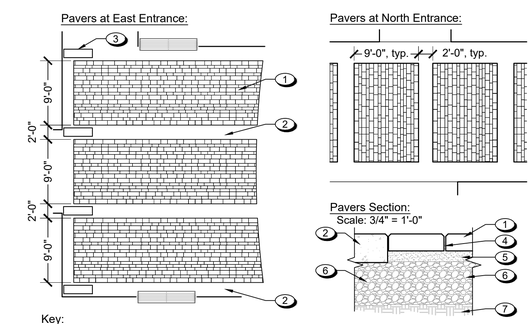
1. Boulders to be placed 1/4 height into grade w/ no acute angles between rock face and finish surface. Location per plan.
2. Finish surface.
3. Compacted subgrade, 90% R.D.

Notes:

A. Boulders shall be Moss Rock, or approved equal.
B. Boulders are to be purchased and set by Contractor. Locate all boulders in field with Landscape Architect.
C. Large boulder size shall be approx. 60" x 48 "x 36" and small boulder size shall be approx. 48" x 36" x 24".

I | Decorative Boulder

NTS — Section



Key:

1. Belgard Melville Plank linear concrete pavers. Sizes: 3-Piece Slim (5" width) and 3-Piece Large (7-1/2" width). Intent is to have pavers set 8 rows of 5" wide pavers and 9 rows of 7-1/2" wide pavers to avoid cutting on the long side, with no more than 2 rows of the same width size adjacent to each other. Contractor can adjust widths of adjacent concrete bands as necessary and approved by landscape architect to accommodate exact paver widths.See Layout Plan and Paving Schedule for more information.
2. Adjacent concrete paving.
3. Building columns.
4. Polymeric sand joint.
5. 1" to 1-1/2" sand setting bed. Refer to manufacturer's specifications.
6. Compact aggregate base, 6" minimum. Refer to manufacturer's specifications.
7. Compacted subgrade per Geotechnical report.

J | Accent Pavers

Scale: 1" = 10'-0" — Plan

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

Walnut Park Library
2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED LANDSCAPE ARCHITECT
GREGORY P. [illegible]
CRLA [illegible]
NOT FOR CONSTRUCTION
08.23.24
Date
STATE OF CALIFORNIA

This drawing is not final and shall not be used for construction work until it has been signed by the Landscape Architect

08.23.24	BID SET

The HLA Group
Landscape Architects
& Planners, Inc.

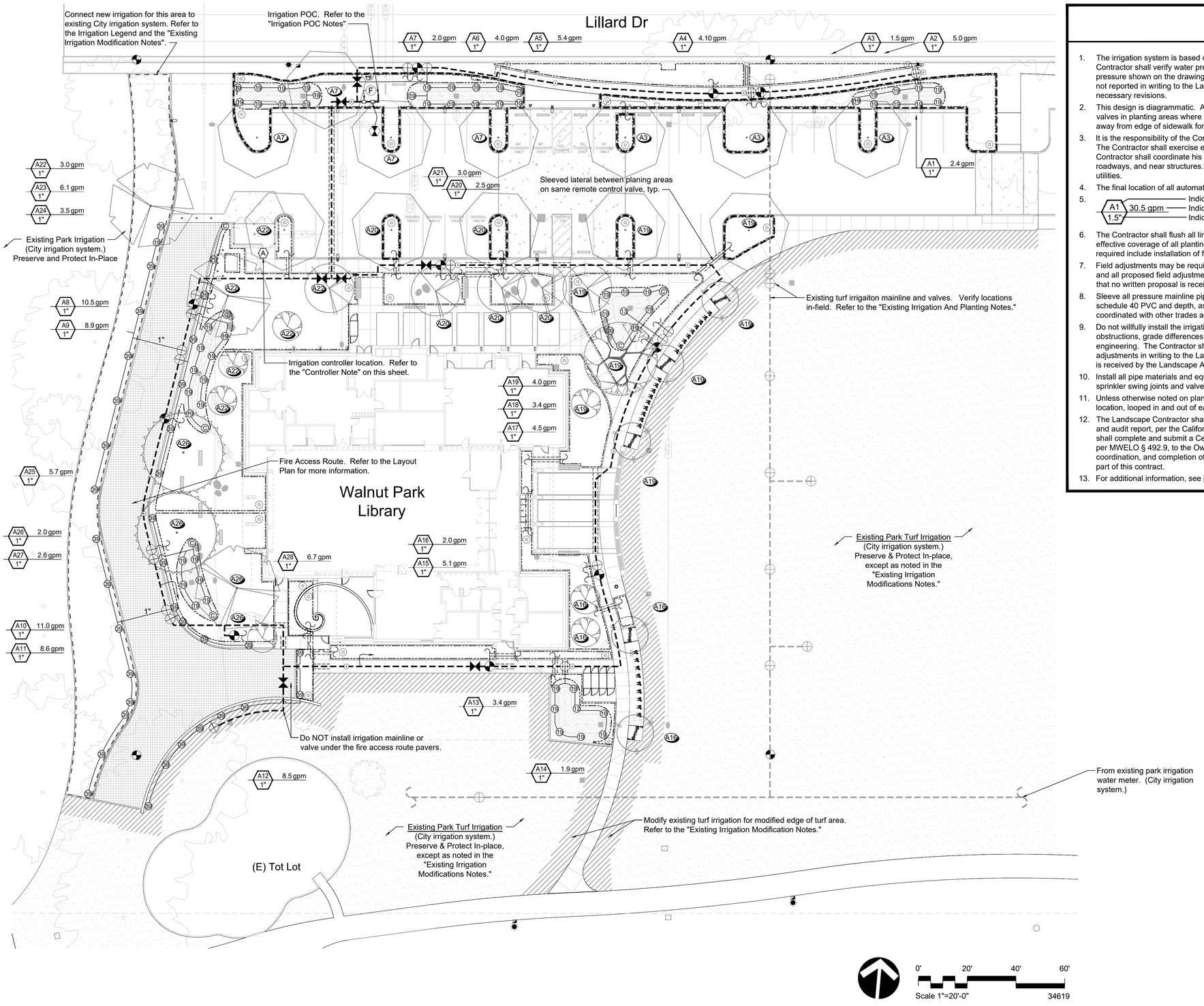
555 University Avenue,
Suite 154
Sacramento, California 95825
916.447.7400
www.hlagroup.com
CRLA 3757

Layout Details

L1.3

8/31/2023 9:21:09 AM

Copyright WMB, Inc.



Irrigation Notes

1. The irrigation system is based on the minimum operating pressure and the maximum flow demand shown on the drawings. The Contractor shall verify water pressure prior to construction, and report to the Landscape Architect any difference between the water pressure shown on the drawings and the actual pressure reading at the point of connection. In the event pressure differences are not reported in writing to the Landscape Architect prior to the start of construction, the Contractor assumes full responsibility for any necessary revisions.
2. This design is diagrammatic. All piping, valves, etc., shown within paved areas are for design clarification only. Install piping and valves in planting areas where possible, and locate electric control and quick coupling valves in ground cover/shrub areas, 6" to 12" away from edge of sidewalk for easy access.
3. It is the responsibility of the Contractor to familiarize themselves with all grade differences, location of walls, structures, and utilities. The Contractor shall exercise extreme care and be responsible for any damage in excavating and working near existing utilities. Contractor shall coordinate his or her work for the location of utilities and the installation of pipe sleeves through walls, under roadways, and near structures. Prior to construction, contact all applicable agencies and U.S.A. at 811 to field locate all existing utilities.
4. The final location of all automatic controllers shall be approved by the Landscape Architect prior to installation.
5. A1 / 1.5" — 30.5 gpm
   - Indicates controller station number
   - Indicates gallons per minute (OR gallons per hour if "GPH")
   - Indicates remote control valve size
6. The Contractor shall flush all lines prior to installing emission devices. The Contractor shall be responsible for complete and effective coverage of all planting areas, and eliminating overspray onto walks, streets, buildings, etc. Adjustments that may be required include installation of filter screens, adjustable arc nozzles, and check valves to eliminate low head drainage.
7. Field adjustments may be required to provide optimum operating efficiency. The Contractor shall be responsible for submitting any and all proposed field adjustments in writing to the Landscape Architect for review and approval, prior to installation. In the event that no written proposal is received by the Landscape Architect, the Contractor assumes responsible for any necessary revisions.
8. Sleeve all pressure mainline pipe, lateral pipe, and controller wires under streets and concrete walkways with the proper size schedule 40 PVC and depth, as specified. All irrigation line under pavement shall be installed with tracer wire. Sleeving shall be coordinated with other trades and placed before other work, where possible.
9. Do not willfully install the irrigation system as diagrammatically shown on the drawings when it is obvious in the field that obstructions, grade differences or differences in site dimensions exist that might not have been foreseen and considered in the engineering. The Contractor shall be responsible for submitting any and all such obstruction and differences and proposed field adjustments in writing to the Landscape Architect for review and approval, prior to installation. In the event that no written proposal is received by the Landscape Architect, the Contractor assumes responsible for any necessary revisions.
10. Install all pipe materials and equipment as shown in the construction details. Use Teflon tape on all PVC male threads of all sprinkler swing joints and valve assemblies, except marlex fittings.
11. Unless otherwise noted on plans, install two (2) additional station wires and one (1) additional common wire from each controller location, looped in and out of each valve box with 18" extra wire length (coil loosely within box), the entire length of the main line.
12. The Landscape Contractor shall obtain and schedule a third-party certified landscape irrigation auditor to complete an audit (audits) and audit report, per the California Model Water Efficient Landscape Ordinance (MWELO) § 492.12. The Landscape Contractor shall complete and submit a Certificate of Completion, including the audit report (reports) and all other required documentation, per MWELO § 492.9, to the Owner's Representative, prior to final inspections. All coordination, costs, and fees for scheduling, coordination, and completion of all audit(s), report(s), forms, and other documentation shall be the Contractor's responsibility and part of this contract.
13. For additional information, see project details and specifications.

Irrigation POC Note

The irrigation point of connection (POC) is located in the planting area on Lillard Drive, downstream of the 2" irrigation service, 2" meter, and 2" backflow preventer as shown on the Civil Engineer's plans.

This system is designed for a maximum demand of 18 gpm with 30 psi at all MP Rotators, 15 psi at all drip emitters, and 15 psi at all tree bubblers. Prior to Contract acceptance, the Contractor must verify that these (minimum) pressures have been provided.

Reported minimum static pressure (design pressure) upstream of the meter is 53 PSI. Contractor shall verify available static pressure in the field prior to construction. In the event of a discrepancy, the Contractor must notify the Landscape Architect in writing of any changes necessary to provide the required operational pressure and flow. If notification is not received, Contractor assumes full responsibility for system operability.

Controller Note

The Contractor shall install one (1) wall mounted controller on the exterior wall of the trash enclosure, as shown on plans. Refer to the irrigation legend, notes, and details for additional information. Refer to the Electrical Plans for electrical service and pedestal information. The Contractor is responsible to coordinate all wiring, including the electrical connection. Final locations must be approved by the Landscape Architect, Owner's Representative, and County, prior to installation.

I have complied with the criteria of the ordinance and applied them accordingly for the efficient use of water in the Irrigation Design Plan.

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

Walnut Park Library
2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED LANDSCAPE ARCHITECT GREGORY P. HASSER CRLA 3757 STATE OF CALIFORNIA
NOT FOR CONSTRUCTION
07.26.24 Revised Date
08.23.24 Date

This drawing is not final and shall not be used for construction work until it has been signed by the Landscape Architect

08.23.24	BID SET

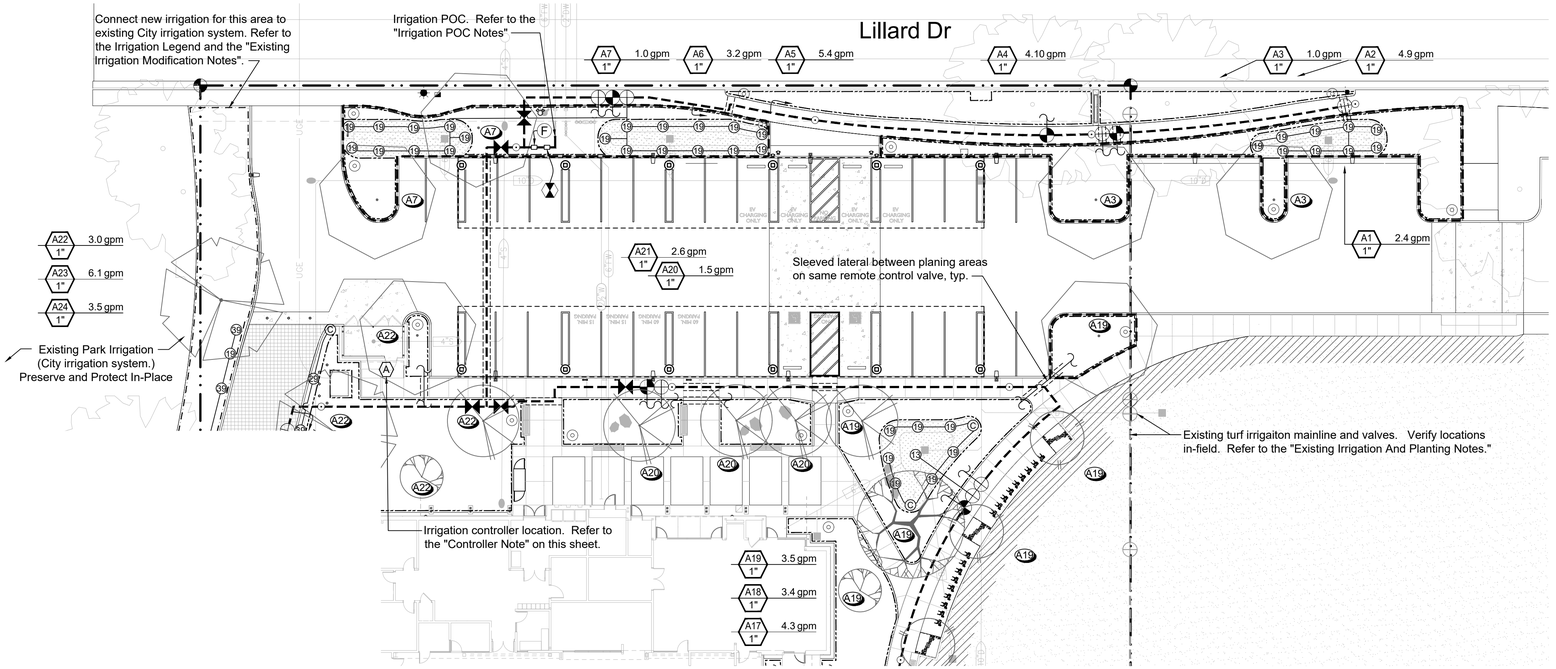
The HLA Group
Landscape Architects
& Planners, Inc.

555 University Avenue,
Suite 154
Sacramento, California 95825
916.447.7400
www.hlagroup.com
CRLA 3757

Irrigation Plan & Notes

L2.1

8/31/2023 9:21:09 AM Copyright WMB, Inc.



A PV @ PKG LOT - ADD BID ALT #2

1:20 Plan

0' 20' 40' 60'

Scale 1"=20'-0" 34619

Irrigation Notes

1. The irrigation system is based on the minimum operating pressure and the maximum flow demand shown on the drawings. The Contractor shall verify water pressure prior to construction, and report to the Landscape Architect any difference between the water pressure shown on the drawings and the actual pressure reading at the point of connection. In the event pressure differences are not reported in writing to the Landscape Architect prior to the start of construction, the Contractor assumes full responsibility for any necessary revisions.
2. This design is diagrammatic. All piping, valves, etc., shown within paved areas are for design clarification only. Install piping and valves in planting areas where possible, and locate electric control and quick coupling valves in ground cover/shrub areas, 6" to 12" away from edge of sidewalk for easy access.
3. It is the responsibility of the Contractor to familiarize themselves with all grade differences, location of walls, structures, and utilities. The Contractor shall exercise extreme care and be responsible for any damage in excavating and working near existing utilities. Contractor shall coordinate his or her work for the location of utilities and the installation of pipe sleeves through walls, under roadways, and near structures. Prior to construction, contact all applicable agencies and U.S.A. at 811 to field locate all existing utilities.
4. The final location of all automatic controllers shall be approved by the Landscape Architect prior to installation.
5. A1 / 1.5" — 30.5 gpm — Indicates controller station number; Indicates gallons per minute (OR gallons per hour if "GPH"); Indicates remote control valve size
6. The Contractor shall flush all lines prior to installing emission devices. The Contractor shall be responsible for complete and effective coverage of all planting areas, and eliminating overspray onto walks, streets, buildings, etc. Adjustments that may be required include installation of filter screens, adjustable arc nozzles, and check valves to eliminate low head drainage.
7. Field adjustments may be required to provide optimum operating efficiency. The Contractor shall be responsible for submitting any and all proposed field adjustments in writing to the Landscape Architect for review and approval, prior to installation. In the event that no written proposal is received by the Landscape Architect, the Contractor assumes responsible for any necessary revisions.
8. Sleeve all pressure mainline pipe, lateral pipe, and controller wires under streets and concrete walkways with the proper size schedule 40 PVC and depth, as specified. All irrigation line under pavement shall be installed with tracer wire. Sleeving shall be coordinated with other trades and placed before other work, where possible.
9. Do not willfully install the irrigation system as diagrammatically shown on the drawings when it is obvious in the field that obstructions, grade differences or differences in site dimensions exist that might not have been foreseen and considered in the engineering. The Contractor shall be responsible for submitting any and all such obstruction and differences and proposed field adjustments in writing to the Landscape Architect for review and approval, prior to installation. In the event that no written proposal is received by the Landscape Architect, the Contractor assumes responsible for any necessary revisions.
10. Install all pipe materials and equipment as shown in the construction details. Use Teflon tape on all PVC male threads of all sprinkler swing joints and valve assemblies, except marlex fittings.
11. Unless otherwise noted on plans, install two (2) additional station wires and one (1) additional common wire from each controller location, looped in and out of each valve box with 18" extra wire length (coil loosely within box), the entire length of the main line.
12. The Landscape Contractor shall obtain and schedule a third-party certified landscape irrigation auditor to complete an audit (audits) and audit report, per the California Model Water Efficient Landscape Ordinance (MWELO) § 492.12. The Landscape Contractor shall complete and submit a Certificate of Completion, including the audit report (reports) and all other required documentation, per MWELO § 492.9, to the Owner's Representative, prior to final inspections. All coordination, costs, and fees for scheduling, coordination, and completion of all audit(s), report(s), forms, and other documentation shall be the Contractor's responsibility and part of this contract.
13. For additional information, see project details and specifications.

Irrigation POC Note

The irrigation point of connection (POC) is located in the planting area on Lillard Drive, downstream of the 2" irrigation service, 2" meter, and 2" backflow preventer as shown on the Civil Engineer's plans.

This system is designed for a maximum demand of 18 gpm with 30 psi at all MP Rotators, 15 psi at all drip emitters, and 15 psi at all tree bubblers. Prior to Contract acceptance, the Contractor must verify that these (minimum) pressures have been provided.

Reported minimum static pressure (design pressure) upstream of the meter is 53 PSI. Contractor shall verify available static pressure in the field prior to construction. In the event of a discrepancy, the Contractor must notify the Landscape Architect in writing of any changes necessary to provide the required operational pressure and flow. If notification is not received, Contractor assumes full responsibility for system operability.

Controller Note

The Contractor shall install one (1) wall mounted controller on the exterior wall of the trash enclosure, as shown on plans. Refer to the irrigation legend, notes, and details for additional information. Refer to the Electrical Plans for electrical service and pedestal information. The Contractor is responsible to coordinate all wiring, including the electrical connection. Final locations must be approved by the Landscape Architect, Owner's Representative, and County, prior to installation.

I have complied with the criteria of the ordinance and applied them accordingly for the efficient use of water in the Irrigation Design Plan.

The HLA Group Landscape Architects & Planners, Inc.

Community Design • Parks and Recreation • Urban Design • Civic Design • Sustainable Design

Irrigation Scheduling Guidelines
Based upon WUCOLS III 2000, CIMIS, & UC CE guide

Project name: Walnut Park Library
Project #: 34619
Date: 08.23.24
POC: A

Reference data

Nearest data location: Davis	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Reference Eto (in./mo.)	0.99	1.73	3.37	5.47	6.89	8.12	8.49	7.48	5.79	4.24	2.04	1.16
Historical average precipitation	3.67	3.05	2.15	1.23	0.44	0.14	0.02	0.03	0.15	0.93	1.86	3.16
Effective precip (hist. Ave. - 0.2" * 75%)	2.60	2.14	1.46	0.77	0.18	0.00	0.00	0.00	0.00	0.55	1.25	2.22
Base required irrigation (in./mo.)	0.00	0.00	1.91	4.70	6.71	8.12	8.49	7.48	5.79	3.69	0.80	0.00

Hydrozone Information Table

Hydrozone data summary

Zone	Description	Ks	Kd	Kmc	KL	Irr Type	IE	PR	Soil Type	BIR	AW	RZ	PAW	MAD	AD
Z1	Shrub/Groundcover | L | ILD	0.30	1.3	1.3	0.51	Drip/Bub	0.91	0.31	Clay Loam	0.2	0.18	18	3.24	50%	1.62
Z2	Shrub/Groundcover | L -M | ILD	0.35	1.3	1.3	0.59	Drip/Bub	0.91	0.31	Clay Loam	0.2	0.18	18	3.24	50%	1.62
Z3	Tree | L-M | DWB	0.35	1.0	1.0	0.35	Drip/Bub	0.91	4.00	Clay Loam	0.2	0.18	36	6.48	50%	3.24
Z4	Tree | M | DWB	0.50	1.0	1.0	0.50	Drip/Bub	0.91	4.00	Clay Loam	0.2	0.18	36	6.48	50%	3.24
Z5	Bioswale | M | MSMT	0.40	1.0	1.3	0.52	Overhead	0.75	0.44	Clay Loam	0.2	0.18	12	2.16	50%	1.08
Z6	Fire Access Route | L | MSMT	0.30	1.0	1.3	0.39	Overhead	0.75	0.44	Clay Loam	0.2	0.18	8	1.44	50%	0.72

Model Ord. Area Calculations

HA (sqft)	% of landscape area
Refer to the **Water Efficient Landscape Worksheets** for information.	
Total: 23,992 BB, 23,412 AA	100%

Tr = Tree **Sh**= Shrub **GC** = Groundcover | **L,M,H** = Low, Med, High (Water Use)
ILD = Inline Drip **PSD** = Point Source Drip **DWB** = Deep Water Bubbler **Bub** = Bubbler **MSMT** = Multi-Stream Multi Trajectory **Rot** = Rotor

Controller Schedule by Valve — POC A / CONTROLLER A

Zone	Description / Valves	Valve Qty	Temp?		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Z1	Shrub/Groundcover | L | ILD	8	N	Irr. Days / Wk	0	0	1	1	1	2	3	2	1	1	1	0
	A2,6,13,17,21,23,25,28			Cycles / Day	0	0	2	4	5	3	2	3	4	3	1	0
	Max. Minutes / Cycle 39			Min. / Cycle	0	0	24	30	33	35	35	31	37	30	21	0
Z2	Shrub/Groundcover | L -M | ILD	2	N	Irr. Days / Wk	0	0	1	1	1	2	2	2	1	1	1	0
	A4, 15			Cycles / Day	0	0	2	4	5	4	4	3	5	3	1	0
	Max. Minutes / Cycle 39			Min. / Cycle	0	0	28	35	39	30	31	36	34	35	24	0
Z3	Tree | L-M | DWB	4	N	Irr. Days / Wk	0	0	1	1	1	1	1	1	1	1	1	0
	A16,19,22,26			Cycles / Day	0	0	1	3	3	4	4	4	3	2	1	0
	Max. Minutes / Cycle 3			Min. / Cycle	0	0	3	3	3	3	3	3	3	3	2	0
Z4	Tree | M | DWB	3	N	Irr. Days / Wk	0	0	1	1	1	1	1	1	1	1	1	0
	A3,7,20			Cycles / Day	0	0	2	4	5	6	6	5	4	3	1	0
	Max. Minutes / Cycle 3			Min. / Cycle	0	0	2	3	3	3	3	3	3	3	2	0
Z5	Bioswale | M | MSMT	6	N	Irr. Days / Wk	0	0	1	1	1	2	2	2	1	1	1	0
	A1,5,14,18,24,27			Cycles / Day	0	0	2	4	6	4	4	3	5	3	1	0
	Max. Minutes / Cycle 27			Min. / Cycle	0	0	21	26	24	23	23	27	26	28	18	0
Z6	Fire Access Route | L | MSMT	5	N	Irr. Days / Wk	0	0	1	1	1	2	2	1	1	1	1	0
	A8-12			Cycles / Day	0	0	2	3	4	3	3	5	4	3	1	0
	Max. Minutes / Cycle 27			Min. / Cycle	0	0	16	26	27	23	23	24	24	21	14	0
	Total Valves: 28															

Total Irrigation System Runtime

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Maximum system runtime per irrigation day based upon (2-station) simultaneous operation*, up to 3 days per week.	Hrs	0.0	0.0	2.6	6.5	8.9	11.3	11.3	10.0	7.9	5.0	1.1	0.0

*Additional valves may be run simultaneously up to the Maximum Flow indicated on drawings to decrease the total system run time (if controller is capable - see mfg. specs).

NOTES:
1 Irrigation must occur between the hours of 8 PM and 8 AM only. Adhere to any additional restirctions / regulations of the water purveyor.
2 Irrigation times shown are for the ESTABLISHED landscape. Increase run-times by 25 percent during establishment period. Increase number of days, if necessary to complete the entire irrigation cycle within the time limitation noted above (note 1).
3 Actual run-time may vary in accordance with varying site conditions. Determine optimum run-times according to plant maturity, environmental conditions, and other site conditions to ensure good plant health. Adjust when needed as conditions change.
4 Do not allow run-off.

WMB ARCHITECTS
5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

Walnut Park Library
2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED LANDSCAPE ARCHITECT GREGORY P. KISSER CRLA 3757 STATE OF CALIFORNIA
NOT FOR CONSTRUCTION
08.23.24

This drawing is not final and shall not be used for construction work until it has been signed by the Landscape Architect

08.23.24	BID SET

The HLA Group Landscape Architects & Planners, Inc.
555 University Avenue,
Suite 154
Sacramento, California 95825
916.447.7400
www.hlagroup.com
CRLA 3757

Add Bid Alt 2 & Irrigation Schedule (for Base Bid and Add Bid Alt 2) - Irrigation Plan

L2.2

8/31/2023 9:21:09 AM

Copyright WMB, Inc.

WATER EFFICIENT LANDSCAPE WORKSHEET

(CCR Chapter 2.7, Appendix B)

Reference Evapotranspiration (ETo) 52.5 Davis **Walnut Park Library - Base Bid**

Hydrozone # | Planting Description	Plant Factor (PF)	Irrigation Method[b]	Irrigation Efficiency (IE)[c]	ETAF (PF/IE)	Landscape Area	ETAF X Area	Estimated Water Use (ETWU)[d]
Regular Landscape Areas							
Z1 | Shrub / Groundcover | L	0.30	Drip / Bubbler	0.81	0.37	11,990	4,441	144,546
Z2 | Shrub / Groundcover | L-M	0.35	Drip / Bubbler	0.81	0.43	2,853	1,233	40,127
Z3 | Tree | L-M	0.35	Drip / Bubbler	0.81	0.43	126	54	1,772
Z4 | Tree | M	0.50	Drip / Bubbler	0.81	0.62	180	111	3,617
Z5 | Bioswale | M	0.40	Overhead Irrigation	0.75	0.53	2,602	1,388	45,171
Z6 | Fire Access Route | L	0.30	Overhead Irrigation	0.75	0.40	6,124	2,450	79,734
				Totals	23,875	9,676	
Special Landscape Areas							
(Not Used)				1	0	0	0
(Not Used)				1	0	0	0
(Not Used)				1	0	0	0
				Totals	0	0	
						ETWU Total	314,967
						Maximum Allowed Water Allowance (MAWA)[e]	349,709

[b]**Hydrozone #/Planting Description**
E.g.
1) Front Lawn
2) low water use plantings
3) medium water use plantings

[b]**Irrigation Method**
Overhead Spray OR
Drip

[c]**Irrigation Efficiency**
0.75 overhead irrigation
0.81 for drip / bubbler

[d]**ETWU (Annual Gallons Required =**
Eto x 0.62 x ETAF x Area
Where 0.62 is a conversion factor that converts acre-inches per acre per year to gallons per square foot per year

[e]**MAWA (Annual Gallons Allowed) = (Eto) (0.62) [(ETAF x LA) + (1-ETAF) x SLA)]**

where 0.62 is a conversion factor that converts acre-inches per acre per year to gallons per square foot per year. LA is the total landscape are in square feet, SLA is the total special landscape area in square feet, and ETAF is 0.55 for residential areas and 0.45 for non-residential areas.

ETAF Calculations

Regular Landscape Areas	9,676
Total Area	23,875
Average ETAF	**0.41**

Average ETAF for Regular Landscape Areas must be 0.55 or below for residential areas, and 0.45 or below for non-residential areas.

All Landscape Areas

Total ETAF x Area	9,676
Total Area	23,875
Sitewide ETAF	**0.41**

Date: 08.23.24 **Designer:** KRD/MJL

WATER EFFICIENT LANDSCAPE WORKSHEET

(CCR Chapter 2.7, Appendix B)

Reference Evapotranspiration (ETo) 52.5 Davis **Walnut Park Library - Add Alt**

Hydrozone # | Planting Description	Plant Factor (PF)	Irrigation Method[b]	Irrigation Efficiency (IE)[c]	ETAF (PF/IE)	Landscape Area	ETAF X Area	Estimated Water Use (ETWU)[d]
Regular Landscape Areas							
Z1 | Shrub / Groundcover | L	0.30	Drip / Bubbler	0.81	0.37	11,463	4,246	138,193
Z2 | Shrub / Groundcover | L-M	0.35	Drip / Bubbler	0.81	0.43	2,853	1,233	40,127
Z3 | Tree | L-M	0.35	Drip / Bubbler	0.81	0.43	117	51	1,646
Z4 | Tree | M	0.50	Drip / Bubbler	0.81	0.62	135	83	2,713
Z5 | Bioswale | M	0.40	Overhead Irrigation	0.75	0.53	2,602	1,388	45,171
Z6 | Fire Access Route | L	0.30	Overhead Irrigation	0.75	0.40	6,124	2,450	79,734
				Totals	23,294	9,450	
Special Landscape Areas							
(Not Used)				1	0	0	0
(Not Used)				1	0	0	0
(Not Used)				1	0	0	0
				Totals	0	0	
						ETWU Total	307,583
						Maximum Allowed Water Allowance (MAWA)[e]	341,199

[b]**Hydrozone #/Planting Description**
E.g.
1) Front Lawn
2) low water use plantings
3) medium water use plantings

[b]**Irrigation Method**
Overhead Spray OR
Drip

[c]**Irrigation Efficiency**
0.75 overhead irrigation
0.81 for drip / bubbler

[d]**ETWU (Annual Gallons Required =**
Eto x 0.62 x ETAF x Area
Where 0.62 is a conversion factor that converts acre-inches per acre per year to gallons per square foot per year

[e]**MAWA (Annual Gallons Allowed) = (Eto) (0.62) [(ETAF x LA) + (1-ETAF) x SLA)]**

where 0.62 is a conversion factor that converts acre-inches per acre per year to gallons per square foot per year. LA is the total landscape are in square feet, SLA is the total special landscape area in square feet, and ETAF is 0.55 for residential areas and 0.45 for non-residential areas.

ETAF Calculations

Regular Landscape Areas	9,450
Total Area	23,294
Average ETAF	**0.41**

Average ETAF for Regular Landscape Areas must be 0.55 or below for residential areas, and 0.45 or below for non-residential areas.

All Landscape Areas

Total ETAF x Area	9,450
Total Area	23,294
Sitewide ETAF	**0.41**

Date: 08.23.24 **Designer:** KRD/MJL

Existing Irrigation & Planting Notes

The existing Walnut Park irrigation system is a single irrigation system (single irrigation water meter and single irrigation controller) providing irrigation to the entire park site. This existing irrigation system shall be modified for the installation of the this project, as shown and specified in the construction documents. The existing Walnut Park irrigation system is and will remain under the ownership and responsibility of the City. The new irrigation system will be under the ownership and responsibility of Yolo County.

The following is a summary of the existing irrigation system modifications. Refer to the "Existing Irrigation Modifications Note" for more information.

1. The existing City irrigation shall be inspected and findings reported.
2. Portions of the existing City irrigation system shall be removed, as shown and specified on the Demolition Plans and project specifications. Any existing City irrigation system valves and valve boxes removed shall be returned to the City.
3. A portion of new planting areas will be connected to the existing City irrigation system and portions of the existing City irrigation system will be modified, as shown and specified on the Irrigation sheets and project specifications.
4. A new County irrigation system will be installed, per the Irrigation sheets and project specifications. This irrigation system will be supplied from a new irrigation water meter and controlled by a new irrigation controller.

The noted locations of the existing irrigation equipment shown is based off a single sheet of the 08.22.05 as-built drawings, site-observations, and discussion with the City, and are approximate and diagrammatic. The contractor must verify exact location(s) in the field. Not all equipment is show and all equipment shall be located by the contractor as part of this contract. New mainline will be required for the removal / modification of the existing irrigation system and is not shown.

The Contractor is responsible to retain and protect in-place existing irrigation equipment and plantings that are to remain. The Contractor is responsible for any damage to the existing irrigation system or plantings that results from the construction of this project, including the interruption of the irrigation to existing plantings. Any damage to the existing irrigation equipment or plantings shall be replaced by the Contractor to the satisfaction of the Owner's representative, at the Contractor's expense. Refer to the irrigation legend, notes, and details, and project specifications for additional information.

Existing Irrigation Modification Notes

1. **Existing Equipment Inspection - Entire Project Site**
   - 1.1. Locate and inspect ALL existing irrigation equipment (piping, sleeving, valves, valve boxes, spray bodies, nozzles, etc.) that is to be retained and reused or modified, and report any concerns to the Owner's Representative and Landscape Architect for direction. The Contractor assumes full responsibility if written notifications of any and all concerns is not received by the Owner's Representative and Landscape Architect.
   - **1.2. Only some of the existing irrigation equipment is shown on these plans and the locations are approximate**. Verify locations of all irrigation equipment in-field. Refer to the "Existing Irrigation & Planting Notes" for more information.
2. **Existing Irrigation Equipment Removal**
   - 2.1. Refer to the Demolition Plans and project specifications for existing irrigation equipment removal.
   - 2.2. Properly dispose of all removed items, except those specified for return the City.
   - 2.3. Refer to **#3.2** for re-use of controller existing controller wires.
3. **New Remote Control Valves (RCVs) Tied-into Existing Mainline and Controller**
   - 3.1. The Contractor shall tie-into the existing mainline with new RCVs, as shown on the Irrigation sheets.
   - 3.2. The Contractor shall connect the new RCVs to the existing controller using existing controller wire no longer used (from removed RVSs) that were found in **#1** to be in good working order.
   - 3.3. Where no existing controller wire in good working order exists for a new RCV being connected to the existing controller, the Contractor shall run new controller wire back to the existing controller. New wire shall be run along the existing mainline and per the Trenching details.
4. **Existing Irrigation Areas * to Be Modified are indicated with a hatch (//////).**
   - 4.1. The Contractor shall modify the existing irrigation system for changed conditions and provide efficient coverage to planting areas without overspay or runoff.
   - 4.2. New product may be required, as determined by the Contractor based on inspection findings of **#1**.
   - 4.3. New product shall match existing (mfg., product series, precipitation rate, pipe type, etc.) except where determined that a change is needed or if matching product is no longer available, in which case, the Contractor shall submit product cut-sheets to the Landscape Architect for review.
   - 4.4. Move existing and/or install new heads (emission devices) at the new limit / edge off irrigation/planting areas shown within the hatched areas.
   - 4.5. Move existing / install new heads (emissions devices) as required to ensure efficient coverage to modified planting areas.
   - * These heads are and will be located OUTSIDE of the hatched areas.
5. **Note all modifications accurately and clearly on the record drawings.**
6. **Refer to the "Existing Irrigation and Planting Notes" for more information.**

Landscape Documentation Package

Project Information

Date:	08.23.24
Applicant:	Greg P. Hauser, ASLA
Project Name:	Walnut Park Library
Project Address:	2700 Lillard Dr. Davis, CA 95618
Total Landscape Area:	Basebid: 23,875 sf Additive Alternate: 23,294 sf
Project Type:	Public Library
Water Supply:	2" domestic irrigation water meter
Water Purveyor	City of Davis Public Works Utility and Operations Department Water Divisioin
Project Contact:	Greg P. Hauser, ASLA

Water Efficient Landscape Worksheet

Hydrozone Information Table:	See the Water Efficient Landscape Worksheets on **this sheet**.
Water Efficient Landscape Worksheet:	See the Water Efficient Landscape Worksheets on **this sheet**.
Soil Management Report:	See Soils Analysis Report / Amendments Notes, sheet **L3.2**.
Landscape Design Plan:	See Planting Plan, sheet **L3.1.**
Irrigation Design Plan:	See Irrigation Plan, **L2.1.**
Grading Design Plan:	Refer to the **Civil Engineer's Grading Plan**.

I agree to comply with the requirements of the water efficient landscape ordinance and submit a complete Landscape Documentation Package.

Landscape Architect: Greg P. Hauser, ASLA Date: 08.23.24

Irrigation Legend

Symbol	Manufacturer	Description	PSI	FLOW	P/R	Radius
Ⓒ	Hunter	PROS-xx-PRS30-CV body w/MPCORNER nozzle (45° - 105°)	30	0.17-0.39	---	9'-12'
⑲	Hunter	PROS-xx-PRS30-CV body w/MP1000-90 nozzle (90° - 210°)	30	0.17-0.40	0.45	9'-12'
⑫	Hunter	PROS-xx-PRS30-CV body w/MP1000-210 nozzle (210° - 270°)	30	0.40-0.48	0.45	9'-12'
⑬	Hunter	PROS-xx-PRS30-CV body w/MP1000-360 nozzle (360°)	30	0.69	0.46	9'-12'
㉙	Hunter	PROS-xx-PRS30-CV body w/MP2000-90 nozzle (90° - 210°)	30	0.38-0.75	0.43	13'-17'
㊴	Hunter	PROS-xx-PRS30-CV body w/MP3000-90 nozzle (90° - 210°)	30	0.76-1.84	0.42	21'-27'
	"xx" in the above model nos. to be: 06 for Fire Access Route Irrigation (6" pop-up) 12 for Bioswale Irrigation (12" pop-up)			Above flows in GPM		
Ⓧv	Hunter	Root Zone Watring System with pressure compensation and check valve, model #RZWS-36-25-CV . "Y" indicates controller and "x" indicates valve number that noted tree irrigation is connected to. Install 2 per tree, per details. Sleeved lateral line between planting areas (crossing under paved areas) for some valves will be needed but are not shown. Refer to Note #1, below.	15	0.50 GPM (0.25x2)	---	---
County System / City System	Netafim Sub-Surface Drip Boundary (By valve)	Netafim TLCV Dripline with 0.4 GPH drip emitters at 18" spacing, model #TLCV4-18. Dripline spacing 18" max. Install below grade, per details. Refer to the next two listings in this legend and the "In-line Sub-surface Drip Irrigation Notes" on sheet L2.5 for more information.	15	0.40 IPH ea. emitter	---	---
(Not Shown)	Rainbird	Operation Indicator Kit, model #OPERIND, with 6" pop-up and yellow cap. Install indicator at each flush valve within 36" of flush valve (at dripline area with the lowest pressure). Indicator must be clearly visible from hardscape. Install per manufacturer's details and specifications.	20	---	---	---
ⓞ	Netafim	Manual flush valve, model # TLSOV. Install at exhaust header on each drip system. Install per manufacturer's installation instruction in round valve box.				
(Not Shown)	Netafim	PVC to dripline connnection point. PVC lateral line listed below. Dripline listed above. Refer to the "In-line Sub-surface Drip Irrigation Notes" for more information and install per detail E on sheet L2.5.				
Ⓐ	Hunter	ACC2 ET/Weather-Based 36-Station controller with a stainless steel cabinet (wall mounted), hand held remote control, wireless ET/Rain/Freeze sensor, and other options, as follows: Controller / Model # / Notes A / AC2-1200-SS / 12-station base controller. A / A2M-600 / 6-station expansion module. Qty: 4 A / WSS-SEN / Wireless ET/Freeze/Rain sensor A / ROAMXL-KIT / Hand-held transmitter, receiver, wiring harness, batteries, & case. Notes: 1. Install controller per details and manufacturer's specifications. CONTROLLER MUST BE GROUNDED PER ALL CODES, DETAILS, AND MANUFACTURER'S DETAILS AND SPECIFICATIONS. The Contractor is responsible for the installation of all wiring and electrical (power) connections. 2. Program the controller to alarm and shut down system (close master valve) when maximum flow noted on the POC note is exceeded. 3. Wireless Freeze/Rain Sensor shall be mounted on fence/wall with full exposure to sunlight and rain, nearest to the irrigation controller, per manufacturer's details and specifications. 4. Controller location shown is approximate. Contractor must obtain approval of the location by the Landscpae Architect and the Owner's Representative, prior to installation. 5. Refer to the Controller Notes, the Existing Irrigation Modification Notes, and the Existing Irrigation & Planting Notes for more information.				
	Superior	Master Valve, model # 3200100. 1" normally closed. Install per manufacturer's instructions.				
Ⓕ	Hunter	1" CST Flow Sensor, model #FSI-T10-001, to detect flows from 0.86 GPM to 52 GPM. Connect to controller with sensor cable within conduit.				
	Nibco	Gate Valve, with non-rising stem - Model # T-113 for (1" - 3" size).				
⊙	Hunter	Quick Coupler, model # HQ-5LRC - 1" quick coupling valve, 1-piece body with locking yellow rubber cover.				
To Tree irrigation if shown	Rain Bird	1" Remote control valve, PEB series. Electric control valve with Sch. 80 PVC ball valve. All valves shall have Christy ID tags in valve boxes.				
To ILD irrigation	Rain Bird	1" Remote control valve, PEB series with 1" RBY inline filter. Electric control valve with RBY filter with Sch. 80 PVC ball valve. For use on all inline surface drip installations. All valves shall have Christy ID tags in valve boxes.				
⊕	---	Existing Remote Control Valve (Separate City irrigation system, not connected to new County irrigation system). Locations approximate. Refer to the "Existing Irrigation & Planting Notes."				
▬ ▬ ▬ ▬	---	Mainline Pressure Pipe: PVC schedule 40 for sizes 1 1 1/2" and smaller, PVC class 315 for sizes 2" through 4". **Size: 2", unless otherwise noted on plans.** Contractor shall pressure test all mainlines.				
─ ─ ─ ─	---	Existing Mainline (Separate City irrigation system, not connected to new County irrigation system). Location approximate. Refer to the "Existing Irrigation & Planting Notes."				
———	---	Class 200 PVC irrigation lateral. Size: 3/4", unless noted otherwise on plans.				
----------	---	* Schedule 40 sleeve, 2x diameter of pipe to be sleeved, and extend 12" beyond edge of pavement. Refer to Note #2, below.				
(Not Shown)	---	* Gray Schedule 40 PVC (Conduit) for controller wire at under pavement crossings. Size per specifications.				
//////	---	Modify existing turf irrigation for modified edge of turf area. Refer to the "Existing Irrigation Modification Notes."				

Notes:
1. Lateral lines required for tree irrigation are not shown. The Contractor is responsible for all lateral line routing and installation, including sleeving where required per Note #2.
2. TheContractor is responsible for all irrigation sleeving underneath all pavement. Some sleeving shown on the plans diagrammatically (not show in actual location.) Refer to Irrigation Notes and project specifications for additional information.

I have complied with the criteria of the ordinance and applied them accordingly for the efficient use of water in the Irrigation Design Plan.

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

Walnut Park Library
2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED LANDSCAPE ARCHITECT GREGORY P. HAUSER C2972 NOT FOR CONSTRUCTION Signed Date 08.23.24 Date STATE OF CALIFORNIA

This drawing is not final and shall not be used for construction work until it has been signed by the Landscape Architect

08.23.24	BID SET

The HLA Group
Landscape Architects & Planners, Inc.

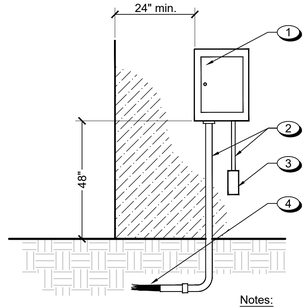
555 University Avenue,
Suite 154
Sacramento, California 95825
916.447.7400
www.hlagroup.com
CRLA 3757

Irrigation Legend, Notes, & Support

L2.3

8/31/2023 9:21:09 AM

Copyright WMB, Inc.



Key:

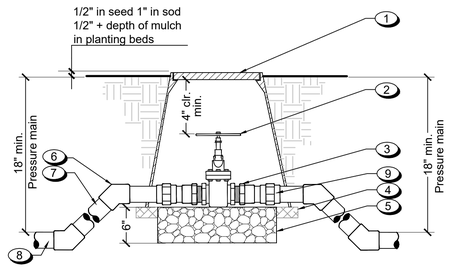
1. Automatic sprinkler control unit. Wall mount to exterior wall at location shown on plans. Refer to Irrigation Legend.
2. Electrical conduit per code (secure to wall every 4' max).
3. Outdoor electrical junction box for power connection.
4. Control wiring (AWG. UF#14). Secure to terminal strip provided in enclosure. Allow for expansion loop within controller enclosure.

Notes:

A. Common wire to be white & control wire to be red in color. Bundle and tape wiring at intervals of 10'-0" o.c.
B. No splices to be made between controller & valve.
C. Paint controller housing and electrical conduit to match building exterior color.
D. Install on/off switch for electrical supply inside of controller.

A Automatic Controller (Exterior Wall Mount)

Not to Scale — Elevation



Key:

1. Plastic valve box and locking cover w/ box extensions as required. Refer to specs.
2. Gate valve. See Irrigation Legend for manufacturer and model number.
3. Sch. 40 PVC male adaptor, FIPT x SLIP, typ. 2 places.
4. Standard brick, typ. 2 places.
5. 3/4" dia. drain rock below valve.
6. Sch. 80 PVC 45˚ ell.
7. Schedule 80 pipe, length as required.
8. PVC mainline pipe.
9. Sch. 80 PVC Union, typ. two locations.

Notes:

A. Install gate valves a minimum of 12" from structures or hardscaping.
B. Install gate valves in planting beds wherever possible.
C. Install valve box so that top of valve box is flush with adjacent hardscaping.
D. Use teflon tape on all threaded fittings.
E. Place 3/4" dia. drain rock prior to installation of valve box.
F. Refer to specs and plan sheets for more information.

E Gate Valve: Threaded Ends (2 1/2" or Smaller)

Not to Scale — Section

Key:

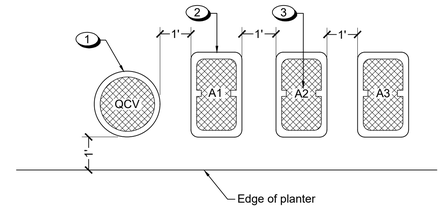
1. Ball valve. See Irrigation Legend for manufacturer and model number.
2. Plastic valve box with bolt down cover and box extension if required. Refer to specs.
3. Pig tail expansion loop (min. 18").
4. Electric control valve.
5. Valve identification tag.
6. Control & common wires.
7. Drip filter.
8. Sch. 40 PVC adaptor, FIPT x SLIP, typ. 4 places.
9. Sch. 80 PVC union, typ. two locations.
10. Lateral line, angle to 12" min. depth as required.
11. Standard brick, typ. 2 places.
12. 3/4" dia drain rock below valve.
13. Sch. 80 PVC 45˚ elbow (line size).
14. PVC mainline and fitting.
15. Sch. 80 PVC pipe, length as required.

Notes:

A. Install valves a minimum of 12" from structures or hardscaping.
B. Install valves in planting beds wherever possible.
C. Place valve box at right angles to structures or hardscaping.
D. Install valve box so that top of valve box is flush with adjacent hardscaping.
E. Place 3/4" dia. drain rock prior to installation of valve box.
F. Ball valve & fittings shall be line size unless noted otherwise.
G. Refer to specs and plan sheets for more information.
H. Use teflon tape on all threaded fittings.

I Electric Control Valve, Ball Valve & Drip Filter

Not to Scale — Section



Key:

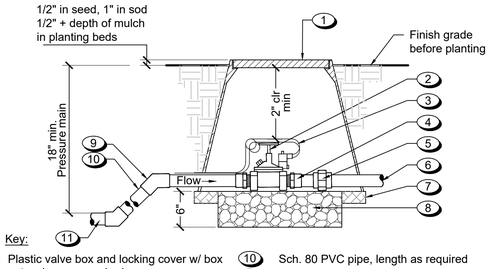
1. Circular valve box (for quick coupling valve).
2. Rectangular valve box (for remote control valve assembly).
3. Valve boxes to be branded as follows:
   - "MV" for Master Valve
   - "FS" for Flow Sensor
   - "IV" for Isolation Valve (Gate Valve)
   - "QC" for Quick Coupling Valve
   - Valve Number for Remote Control Valve i.e. "A1"
   - (Do not heat stamp quotation marks)

Notes:

A. Center valve box over remote control valve to facilitate repair of valve.
B. Place remote control valve assembly in shrub/groundcover area whenever possible. Install in turf area only if shrub/groundcover area does not exist adjacent to lawn.
C. Set valve boxes parallel to each other and perpendicular to edge of planter. Set valve boxes level with each other or at the same height above grade.

B Valve Box Layout

Not to Scale — Plan



Key:

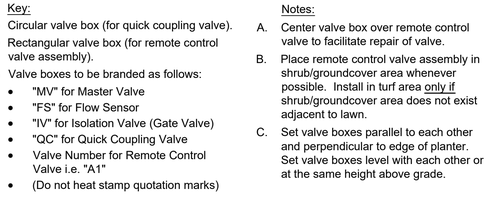
1. Plastic valve box and locking cover w/ box extensions as required.
2. Master valve. Refer to Irrigation Legend.
3. Control & common wires. Install with pig tail expansion loop (min. 18"), as shown.
4. Sch. 40 PVC male adaptor, FIPT x SLIP, typ. 2 places.
5. Sch. 80 PVC union.
6. To flow sensor. See flow sensor detail on this sheet for minimum straight mainline run upstream of flow sensor.
7. Standard brick, typ. 2 places.
8. 3/4" dia. drain rock.
9. Sch. 80 PVC 45˚ elbow line size, typ. 2 places.
10. Sch. 80 PVC pipe, length as required
11. PVC mainline pipe.

Notes:

A. Install valve a minimum of 12" from structures or hardscaping.
B. Install valve in planting beds wherever possible.
C. Place valve box at right angles to structures or hardscaping.
D. Install valve box so that top of valve box is flush with adjacent hardscaping.
E. Place 3/4" dia. drain rock prior to installation of valve box.
F. Use teflon tape on all threaded fittings.

F Master Valve: Threaded Ends

Not to Scale — Section



Key:

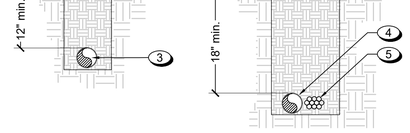
1. Ball valve. Refer to Irrigation Legend for manufacturer and model number.
2. Plastic valve box and locking cover w/ box extensions as required.
3. Pig tail expansion loop (min. 18").
4. Electric control valve.
5. Valve identification tag.
6. Control & common wires.
7. Sch. 40 PVC adaptor, FIPT x SLIP, typ. 4 place.
8. Sch. 80 PVC union, typ. two locations.
9. Lateral line, angle to 12" min. depth as required.
10. Standard brick, typ. 2 places.
11. 3/4" dia. drain rock below valve.
12. Sch. 80 PVC 45˚ elbow (line size).
13. Sch. 80 PVC pipe, length as required.
14. PVC mainline and fitting

Notes:

A. Install valves a minimum of 12" from structures or hardscaping.
B. Install valves in planting beds wherever possible.
C. Place valve box at right angles to structures or hardscaping.
D. Install valve box so that top of valve box is flush with adjacent hardscaping.
E. Place 3/4" dia. drain rock prior to installation of valve box.
F. Ball valve & fittings shall be line size unless noted otherwise.
G. Refer to specs and plan sheets for more information.
H. Use teflon tape on all threaded fittings.

J Electric Control Valve & Ball Valve: 3" & Smaller

Not to Scale — Section



Key:

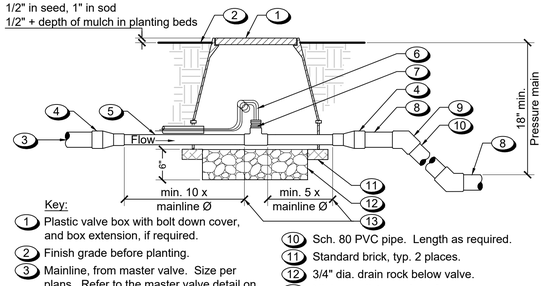
1. Finish grade.
2. Clean backfill, 85% compaction, refer to specs.
3. Non pressure lateral.
4. Pressure main line.
5. Control wire adjacent to pressure mainline. Bundle & tape at 10'-0" interval to pipe.

Notes:

A. Refer to specs and plan sheets for more information.

C Pipe Trenching

Not to Scale — Section



Key:

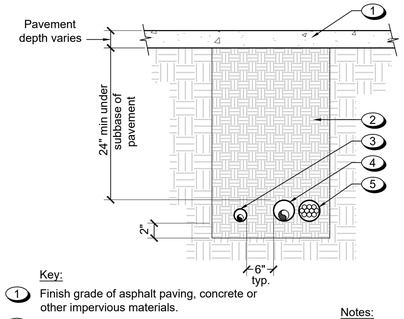
1. Plastic valve box with bolt down cover, and box extension, if required.
2. Finish grade before planting.
3. Mainline, from master valve. Size per plans. Refer to the master valve detail on this sheet for more information.
4. PVC reducer coupling, if required.
5. Mainline pipe. Size per flow sensor. Length per no. 13. Typ. both sides of flow sensor.
6. Sensor wires. Install with pig tail expansion loops (min. 18"), as shown. Return to controller within 1" grey Sch. 40 PVC conduit.
7. Flow sensor with PVC body per manufacturer. Sensor must be installed vertically.
8. Irrigation mainline. Size per plans.
9. Sch. 80 PVC 45° ell. Typ. 2 places.
10. Sch. 80 PVC pipe. Length as required.
11. Standard brick, typ. 2 places.
12. 3/4" dia. drain rock below valve.
13. Minimum distance from flow sensor assembly of straight mainline without any turns, fittings, reducing couplings, etc.

Notes:

A. Install flow sensor a minimum of 12" from structures or hardscaping.
B. Install flow sensor in planting beds wherever possible.
C. Place valve box at right angles to structures or hardscaping.
D. Place 3/4" dia. drain rock prior to installation of valve box.
E. Install valve box so that top of valve box is flush with adjacent hardscaping.
F. Size of fittings to be equal to mainline size.

G Flow Sensor with Slip Ends

Not to Scale — Section



Key:

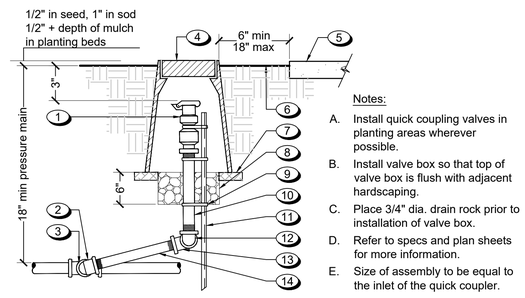
1. Finish grade of asphalt paving, concrete or other impervious materials.
2. Clean backfill, 95% compaction under paving. Refer to specs.
3. Non pressure lateral line sleeve under paving (twice dia. of non pressure lateral line).
4. Main line sleeve under paving (twice dia. of pressure main line).
5. Control wire sleeve under paving. Size as required. Install adjacent to pressure main line.

Notes:

A. All sleeves to be sch. 40 PVC.
B. Extend all sleeves min. 12" beyond edge of hardscaping at both ends, cap ends and flag locations.
C. Refer to specs and plan sheets for more information.

D Pipe Trenching Under Pavement

Not to Scale — Section



Key:

1. Quick coupling valve. See Irrigation Legend for manufacturer and model number.
2. Sch. 40 PVC 90° ell, FIPT x MIPT.
3. Sch. 40 PVC tee, SLIP x SLIP x FIPT.
4. Plastic valve box and locking cover. Refer to specs.
5. Structure or hardscape.
6. Finish grade before planting.
7. Standard brick typ. 2 places.
8. 3/4" drain rock.
9. Stainless steel screw clamp, min. 3 places.
10. Sch. 80 PVC threaded nipple, 12" long.
11. #5 rebar or angle iron (36" long).
12. Sch. 40 PVC 90° ell, FIPT x MIPT.
13. Sch. 40 PVC 90° ell, FIPT x FIPT.
14. Sch. 80 PVC threaded nipple (12" long).

Notes:

A. Install quick coupling valves in planting areas wherever possible.
B. Install valve box so that top of valve box is flush with adjacent hardscaping.
C. Place 3/4" dia. drain rock prior to installation of valve box.
D. Refer to specs and plan sheets for more information.
E. Size of assembly to be equal to the inlet of the quick coupler.

H Quick Coupling Valve (Within Valve Box)

Not to Scale — Section

I have complied with the criteria of the ordinance and applied them accordingly for the efficient use of water in the Irrigation Design Plan.

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

Walnut Park Library
2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED LANDSCAPE ARCHITECT
GREGORY P. ZASER
CRLA 3757
EXP. 01.31.26
Renewal Date
08.23.24
Date
NOT FOR CONSTRUCTION
STATE OF CALIFORNIA

This drawing is not final and shall not be used for construction work until it has been signed by the Landscape Architect

08.23.24	BID SET

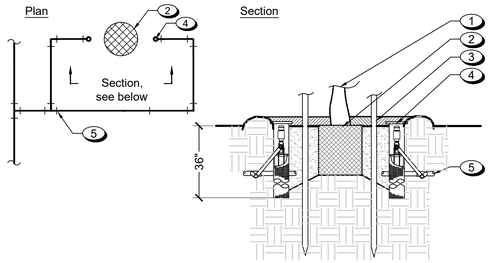
The HLA Group
Landscape Architects
& Planners, Inc.

555 University Avenue,
Suite 154
Sacramento, California 95825
916.447.7400
www.hlagroup.com
CRLA 3757

Irrigation Details

L2.4

8/31/2023 9:21:09 AM Copyright WMB, Inc.

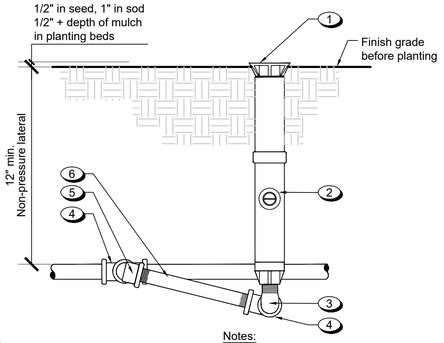


Key:
1. Tree. Refer to Tree Planting detail for other requirements.
2. Root ball.
3. Tree stakes. Refer to Tree Planting detail.
4. (2) 3" x 36" root watering system assembly including semi-rigid mesh watering tube with cap and bubbler. Refer to Irrigation Legend for model. Connect to lateral lines per manufacturer's recommendations.
5. PVC lateral line, size per plans, typ.

Notes:
A. Refer to specs and plan sheets for more information.
B. Apply teflon tape to all male threaded fittings.

A Deep Water Bubbler Assembly

Not to Scale — Plan/Section

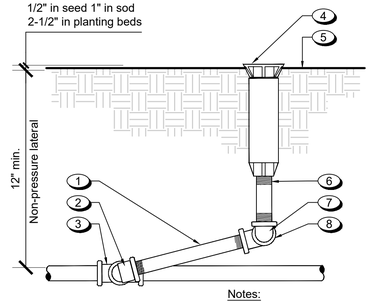


Key:
1. 12" pop-up sprinkler.
2. Side inlet shall not be utilized.
3. Sch. 40 PVC 90° street ell, FIPT x MIPT.
4. Sch. 40 PVC tee, SLIP x SLIP x FIPT.
5. Sch. 40 PVC 90° ell, FIPTx FIPT.
6. Sch. 80 PVC threaded nipple (6" long).

Notes:
A. Locate head 2" from walks, curbs, hardscaping, mow strips, header boards, etc.
B. Locate sprinklers with stream or bubbler nozzles 6" from all structures, and spray heads 12" from all structures.
C. Size of assembly to be equal to the inlet of the head.
D. Refer to specs and plan sheets for more information.

B 12" Pop-Up Spray

Not to Scale — Section



Key:
1. Sch. 80 PVC nipple (6" long).
2. Sch. 40 PVC 90° ell, FIPT x MIPT.
3. Sch. 40 PVC tee, SLIP x SLIP x FIPT.
4. Pop-up sprinkler.
5. Finish grade before planting.
6. Sch. 80 PVC threaded nipple (length as required).
7. Sch. 40 PVC 90° street ell, FIPT x MIPT.
8. Sch. 40 PVC 90° ell, FIPT x FIPT.

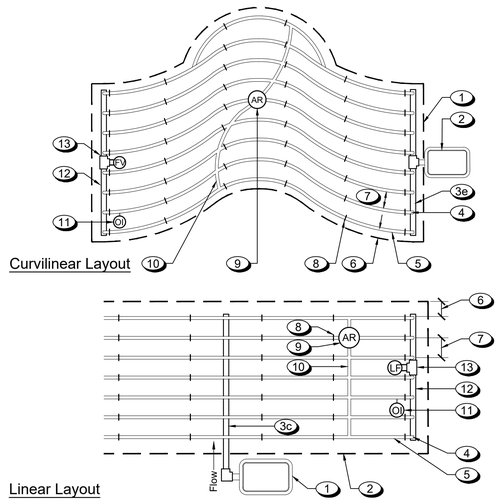
Notes:
A. Locate head 2" from walks, curbs, hardscaping, mow strips, header boards and the edge of lawn areas.
B. Locate sprinklers with stream or bubbler nozzles 6" from all structures and spray heads 12" from all structures.
C. Size of assembly to be equal to the inlet of the head.
D. Refer to specs and plan sheets for more information.

C Pop-Up Spray

Not to Scale — Section

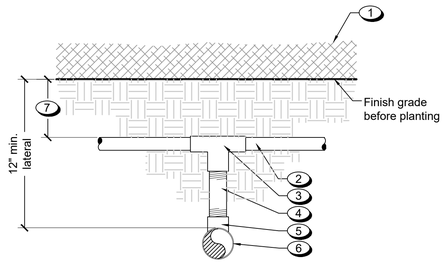
Key:
1. Perimeter / edge of planting area.
2. Remote control valve per legend. Location diagrammatic. See details and Irrigation Legend for more information.
3e. PVC or poly supply header. End feed shown. Refer to note H, the Irrigation Plans, and the Irrigation Legend.
3c. PVC or poly supply header. Center feed shown. Refer to note H, the Irrigation Plans, and the Irrigation Legend.
4. PVC to dripline connection point, typ. See Dripline to PVC Connection Point detail.
5. Dripline (buried 4-6", per Irrigation Legend) w/ inline emitters.
6. Perimeter lateral spacing. 2" from edge when adjacent to hardscape, 4" elsewhere.
7. Interior dripline spacing to be as noted in the Irrigation Legend, as shown on plans, or as modified by note E.
8. Galvanized Staples, typ. Secure dripline with 6" min. galvanized staples, typ. every 5' min.
9. Air Vacuum relief valve, if required per the Irrigaiton Legend. Refer to the Irrigation Legend.
10. Poly tubing manifold for air vacuum relief, if required. Connect tubing with fittings (not shown).
11. Operation Indicator, if required per the Irrigation Legend. Refer to the Irrigation Legend.
12. PVC or poly exhaust header. Match type and size of supply header. Refer to The Irrigation Plans and Irrigation Legend.
13. Flush valve plumbed to PVC or poly exhaust manifold.

Notes:
A. Use only manufacturer approved fittings.
B. Adjust layout for tree irrigation.
C. Do NOT cross drip tubing laterals.
D. Do NOT exceed the mfg's maximum dripline run.
E. Vary spacing between lateral rows in sloped conditions per mfg. recommendations / specifications.
F. Driplines to be laid flat and secured to subgrade with staples at 5' min. centers prior to backfill or mulch cover.
G. Use caution when securing dripline with staples. Dripline shall not be punctured, obstructed or kinked.
H. Center feed supply header is preferred where slope from end to end is minimal. End feed supply header is preferred where slope from end to end is significant and the total mfg. maximum drip line will not be exceeded anywhere downstream of supply header.
I. Refer to drip system layout details, the In-Line Sub-surface Drip Irrigation Notes, and the plan sheets for more information.



D Inline Drip System

Not to Scale — Plan

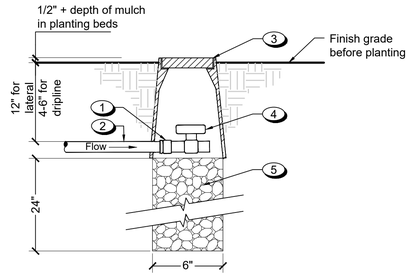


Key:
1. Top of mulch. Refer to Planting Notes.
2. Polyethelene drip lateral per plan.
3. HDPE tee, compression x compression x 1/2" FIPT. Center feed shown. For end-feed and exhaust headers, use ell fitting.
4. Sch. 80 PVC 1/2" nipple, length as required.
5. Sch. 40 PVC tee, SLIP x SLIP x 1/2" FIPT.
6. Irrigation lateral per plan.
7. 4" for turf, 4" to 6" for shrubs for groundcover.

Notes:
A. Use only manufacturer approved fittings.
B. Refer to drip system layout details, the In-Line Sub-surface Drip Irrigation Notes, and the plan sheets for more information.

E Dripline to PVC Connection Point (Sub-Surface)

Not to Scale — Section



Key:
1. Adapter fitting as required.
2. Drip line or PVC lateral.
3. Plastic valve box w/ bolt-down purple cover & extension if required.
4. Manual flush valve.
5. 3/4" dia. drain rock.

Notes:
A. Use only manufacturer approved fittings.
B. Place 3/4" dia. drain rock prior to installation of valve box.
C. Refer to the drip system layout details, the In-Line Sub-surface Drip Irrigation Notes, and the plan sheets for more information.

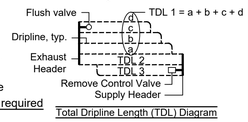
F Manual Flush Valve

Not to Scale — Section

In-Line Sub-surface Drip Irrigation Notes

1. The irrigation Contractor shall provide in-line sub-surface dripline irrigation (ILD) for all shrubs, ground covers, and vines, as specified on the Contract Documents.
2. Actual layout of this ILD system is not shown and shall be determined by the Contractor, as follows:
   - 2.1. The Contractor shall use as a guide and meet all the requirements / specifications of the irrigation details and all other applicable information in the Contract Documents (plans, legends, notes, tables, etc.), and the manufacturer's details and specifications.
   - 2.2. The approximate location of the remote control valves (RCVs) and flush valves (FVs) are shown on the Irrigation Plans. The contractor may adjust these locations if needed to meet requirements / specifications.
   - 2.3. The approximate irrigation boundaries of each RCV shown on the Irrigation Plans (noted in 2.2) are shown on the Irrigation Plans. These boundaries may be adjusted if needed to meet requirements / specifications.
   - 2.4. Do NOT exceed 9 GPM for any drip RCV.
   - 2.5. Do NOT exceed 175' length or width for any RCV area.
   - 2.6. Do NOT exceed the mfg. specified total dripline length (TDL) for any TDL. See diagram to right. Refer to the mfg. details and specifications for more information.
   - 2.7. Do NOT layout dripline in any way that will cause the pressure at ANY emitter to be less than the manufacturer's req. min. emitter pressure. Multiple supply headers are permissible and may be required or the better design in some circumstances.
   - 2.8. The dripline spacing and emitter spacing noted in the Irrigation Details and/or the Irrigation legend MUST BE met. Dripline and emitter spacing create a grid* to irrigate planting areas, NOT individual plants. Do NOT adjust dripline spacing to be closer to plantings OR planting locations to be near driplines. Incorrect dripline or emitter spacing will be rejected upon inspections, and corrections will be the responsibility of the Contractor, at the Contractor's expense.
   - 2.9. The irrigation products listed in the Irrigation Legend or elsewhere on the Contract Documents MUST BE used, unless prior written approval for project substitutions from the Landscape Architect has been obtained by the Contractor through the Contractor Submittal process. Un-approved product substitutions will be rejected upon inspections, and replacement of rejected product substitutions will be the responsibility of the Contractor, at the Contractor's expense.
3. The entire irrigation system will be inspected for conformance to all requirements, prior to project close-out.
4. Planting in ILD Irrigation Areas
   - 4.1. The Contractor shall ensure moisture of soil is optimal for growth, prior to planting, and maintain adequate soil moisture with the ILD irrigation system. Hand irrigation may be necessary prior to first irrigation cycle. Do not let soil dry out or over-saturate soil at any time after planting.

* Except in sloped conditions. Refer to details.



Total Dripline Length (TDL) Diagram

I have complied with the criteria of the ordinance and applied them accordingly for the efficient use of water in the Irrigation Design Plan.

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

Walnut Park Library
2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED LANDSCAPE ARCHITECT GREGORY P. HASSER STATE OF CALIFORNIA
NOT FOR CONSTRUCTION
Signature
Registered Date 08.23.24
Date

This drawing is not final and shall not be used for construction work until it has been signed by the Landscape Architect

08.23.24	BID SET

The HLA Group
Landscape Architects & Planners, Inc.

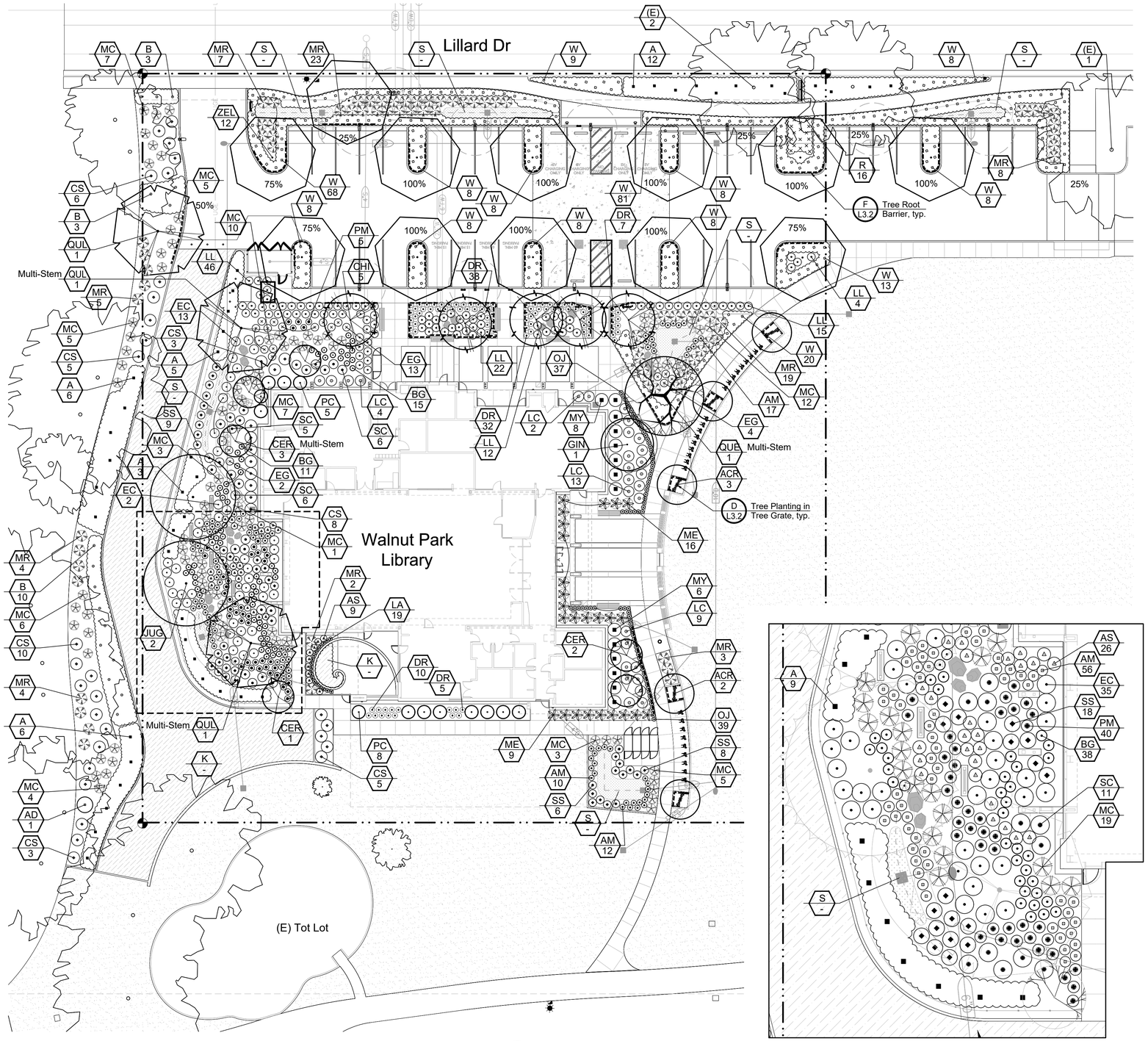
555 University Avenue,
Suite 154
Sacramento, California 95825
916.447.7400
www.hlagroup.com
CRLA 3757

Irrigation Details

L2.5

8/31/2023 9:21:09 AM

Copyright WMB, Inc.



Plant Legend

Symbol	Botanical Name	Common Name	Size	H x W	Wat. Use
Trees					
ACR	Acer rubrum 'Armstrong Gold'	Armstrong Gold Maple	24" Box	40' h x 15' w	VL
CER	Cercis occidentalis	Western Redbud	24" Box	15' h x 15' w	VL
CHI	Chionanthus retusus	Chinese Fringe Tree	24" Box	20' h x 20' w	M
GIN	Ginkgo biloba 'Princeton Sentry'	Princeton Sentry Gingko	24" Box	40' h x 15' w	M
JUG	Juglans regia	English Walnut	24" Box	40' h x 40' w	M
QUE	Quercus agrifolia	Coast Live Oak	24" Box	50' h x 35' w	VL
QUL	Quercus lobata	Valley Oak	24" Box	50' h x 50' w	L
ZEL	Zelkova serrata 'Green Vase'	Green Vase Zelkova	24" Box	45' h x 30' w	M
Shrubs					
AM	Achillea millefolium 'Apricot Delight'	Yarrow	1 gallon	2' h x 2' w	L
AS	Asclepias speciosa	Showy Milkweed	1 gallon	2.5' h x 2.5' w	L
BG	Bouteloua gracilis	Blue Grama Grass	1 gallon	2' h x 3' w	L
CS	Ceanothus 'Skylark'	Ceanothus	5 gallon	3' h x 4' w	L
DR	Dianella revoluta 'Little Rev'	Flax Lily	1 gallon	2' h x 3' w	L
EC	Epilobium canum	California Fuschia	5 gallon	1.5' h x 3' w	L
EG	Eriogonum grande var. rubescens	Red Flowered Buckwheat	1 gallon	1.5' h x 3' w	L
LA	Lavandula angustifolia 'Hidcote'	English Lavender	5 gallon	2' h x 3' w	L
LL	Lomandra longifolia 'Lime Tuff'	Dwarf Mat Rush	5 gallon	2' h x 3' w	L
LC	Loropetalum chinense 'Purple Diamond'	Semi Dwarf Fringe Flower	5 gallon	5' h x 4' w	M
ME	Mahonia eurybracteata 'Soft Caress'	Soft Caress Mahonia	1 gallon	3' h x 2' w	L
MC	Muhlenbergia capillaris 'Regal Mist'	Pink Muhly Grass	5 gallon	3' h x 3' w	L
MR	Muhlenbergia rigens	Deer Grass	5 gallon	4' h x 4' w	L
MY	Myrtus communis	Common Myrtle	5 gallon	5' h x 4' w	L
OJ	Ophiopogon japonicus	Mondo Grass	1 gallon	1' h x 2' w	M
PM	Penstemon 'Margarita BOP'	Foothill Penstemon	1 gallon	2' h x 2' w	L
PC	Prunus carolinia 'Compacta'	Compact Cherry Laurel	15 gallon	10' h x 6' w	L
SC	Salvia clevelandii 'Winnifred Gilman'	Cleveland Sage	1 gallon	4' h x 4' w	L
SS	Salvia spathacea	Hummingbird Sage	1 gallon	2' h x 4' w	L
Groundcover/Turf					
A	Arctostaphylos uva-ursi 'Point Reyes'	Point Reyes Manzanita	1 gallon	1.5' h x 6' w	M
B	Baccharis pilularis 'Pigeon Point'	Pigeon Point Dwarf Coyote Brush	1 gallon	1.5' h x 6' w	L
K	Lippia 'ECOLOPIA2'	Pink Kurapia (sod)			L
R	Rosa 'Coral Drift'	Coral Drift Rose	2 gallon	1.5' h x 2.5' w	L
S	Biofiltration Sod	Biofiltration Sod from Delta Bluegrass			VL - M
W	Westringia fruticosa 'Mundi'	Coast Rosemary	1 gallon	2' h x 6' w	L

Notes

1. Juglans regia / English Walnut is included on tree list as a tribute to the heritage of the site.

Shade Calculations

Symbol	Botanical Name / Common Name	Quantity @ Full Shade / Sq. Ft.	Quantity @ 3/4 Shade / Sq. Ft.	Quantity @ 1/2 Shade / Sq. Ft.	Quantity @ 1/4 Shade / Sq. Ft.	Total (Sq. Ft.)
Existing	Celtis australis / Hackberry	0 @ 962 SF	0 @ 722 SF	0 @ 481 SF	2 @ 240 SF	480 SF
ZEL	Zelkova serrata 'Green Vase'	8 @ 708 SF	3 @ 531 SF	0 @ 354 SF	1 @ 177 SF	7,434 SF
QUL	Quercus lobata / Valley Oak	0 @ 962 SF	0 @ 722 SF	1 @ 481 SF	0 @ 240 SF	481 SF
Existing	Quercus lobata / Valley Oak	0 @ 962 SF	0 @ 722 SF	0 @ 481 SF	1 @ 240 SF	240 SF
					TOTAL TREE SHADE =	8,635 SF

Surfaced Area:	Parking Lot	17,054 SF	Total Surfaced Area =	17,054 SF
	Covered Stalls (garages, carports, etc.)	0		
			SHADE AREA REQUIRED (50%) =	8,527 SF
			TOTAL SHADE PROVIDED =	8,635 SF
			PERCENT SHADE =	51%

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

Walnut Park Library
2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED LANDSCAPE ARCHITECT
GREGORY P. HASSER
CRLA 3757
NOT FOR CONSTRUCTION
08.23.24
STATE OF CALIFORNIA

This drawing is not final and shall not be used for construction work until it has been signed by the Landscape Architect

08.23.24	BID SET

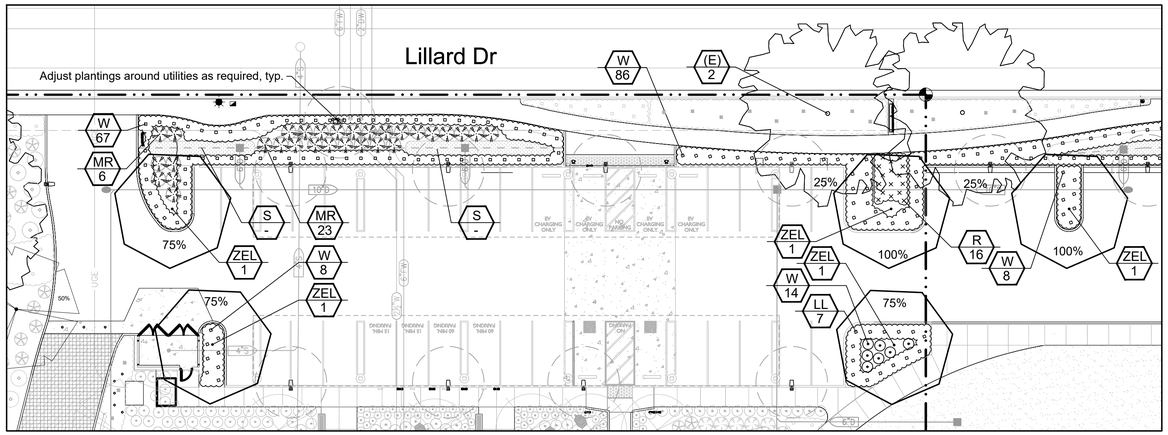
The HLA Group
Landscape Architects
& Planners, Inc.

555 University Avenue,
Suite 154
Sacramento, California 95825
916.447.7400
www.hlagroup.com
CRLA 3757

Planting Plan

L3.1

8/31/2023 9:21:09 AM Copyright WMB, Inc.



A PV @ PKG LOT - ADD BID ALT #2
1:20 Plan

0' 20' 40' 60'
Scale 1"=20'-0" 34619

Tree Legend

Symbol	Botanical Name	Common Name	Size	H x W	Wat. Use
Trees					
ACR	Acer rubrum 'Armstrong Gold'	Armstrong Gold Maple	24" Box	15' h x 15' w	VL
CER	Cercis occidentalis	Western Redbud	24" Box *	15' h x 15' w	VL
CHI	Chionanthus retusus	Chinese Fringe Tree	24" Box	18' h x 20' w	M
GIN	Ginkgo biloba 'Princeton Sentry'	Princeton Sentry Gingko	24" Box	40' h x 20' w	M
JUG	Juglans regia	English Walnut	24" Box	40' h x 40' w	M
QUE	Quercus agrifolia	Coast Live Oak	24" Box *	50' h x 35' w	VL
QUL	Quercus lobata	Valley Oak	24" Box *	50' h x 50' w	L
ZEL	Zelkova serrata 'Green Vase'	Green Vase Zelkova	24" Box	45' h x 30' w	M

Add. Bid Alt. 2 - Shade Calculations

Symbol	Botanical Name / Common Name	Quantity @ Full Shade / Sq. Ft.	Quantity @ 3/4 Shade / Sq. Ft.	Quantity @ 1/2 Shade / Sq. Ft.	Quantity @ 1/4 Shade / Sq. Ft.	Total (Sq. Ft.)
Existing	Celtis australis / Hackberry	0 @ 962 SF	0 @ 722 SF	0 @ 481 SF	2 @ 240 SF	480 SF
ZEL	Zelkova serrata 'Green Vase'	2 @ 708 SF	3 @ 531 SF	0 @ 354 SF	0 @ 177 SF	3,009 SF
QUL	Quercus lobata / Valley Oak	0 @ 962 SF	0 @ 722 SF	1 @ 481 SF	0 @ 240 SF	481 SF
Existing	Quercus lobata / Valley Oak	0 @ 962 SF	0 @ 722 SF	0 @ 481 SF	1 @ 240 SF	240 SF
					TOTAL TREE SHADE =	4,210 SF

Surfaced Area:	Parking Lot	17,054 SF	Total Surfaced Area =	17,054 SF
	Covered Stalls (garages, carports, etc.)	5,788 SF		
			SHADE AREA REQUIRED (50%) =	8,527 SF
			TOTAL SHADE PROVIDED =	9,998 SF
			PERCENT SHADE =	59%

Plant Legend

Symbol	Botanical Name	Common Name	Size	H x W	Wat. Use
Shrubs					
AM	Achillea millefolium 'Apricot Delight'	Yarrow	1 gallon	2' h x 2' w	L
AS	Asclepias speciosa	Showy Milkweed	1 gallon	2.5' h x 2.5' w	L
BG	Bouteloua gracilis	Blue Grama Grass	1 gallon	2' h x 3' w	L
CS	Ceanothus 'Skylark'	Ceanothus	5 gallon	3' h x 4' w	L
DR	Dianella revoluta 'Little Rev'	Flax Lily	1 gallon	2' h x 3' w	L
EC	Epilobium canum	California Fuschia	5 gallon	1.5' h x 3' w	L
EG	Eriogonum grande var. rubescens	Red Flowered Buckwheat	1 gallon	1.5' h x 3' w	L
LA	Lavandula angustifolia 'Hidcote'	English Lavender	5 gallon	2' h x 3' w	L
LL	Lomandra longifolia 'Lime Tuff'	Dwarf Mat Rush	5 gallon	2' h x 3' w	L
LC	Loropetalum chinense 'Purple Diamond'	Semi Dwarf Fringe Flower	5 gallon	5' h x 4' w	M
ME	Mahonia eurybracteata 'Soft Caress'	Soft Caress Mahonia	1 gallon	3' h x 2' w	L
MC	Muhlenbergia capillaris 'Regal Mist'	Pink Muhly Grass	5 gallon	3' h x 3' w	L
MR	Muhlenbergia rigens	Deer Grass	5 gallon	4' h x 4' w	L
MY	Myrtus communis	Common Myrtle	5 gallon	5' h x 4' w	L
OJ	Ophiopogon japonicus	Mondo Grass	1 gallon	1' h x 2' w	M
PM	Penstemon 'Margarita BOP'	Foothill Penstemon	1 gallon	2' h x 2' w	L
PC	Prunus carolinia 'Compacta'	Compact Cherry Laurel	15 gallon	10' h x 6' w	L
SC	Salvia clevelandii 'Winnifred Gilman'	Cleveland Sage	1 gallon	4' h x 4' w	L
SS	Salvia spathacea	Hummingbird Sage	1 gallon	2' h x 4' w	L
Groundcover/Turf					
A	Arctostaphylos uva-ursi 'Point Reyes'	Point Reyes Manzanita	1 gallon	1.5' h x 6' w	M
B	Baccharis pilularis 'Pigeon Point'	Pigeon Point Dwarf Coyote Brush	1 gallon	1.5' h x 6' w	L
K	Lippia 'ECOLOPIA2'	Pink Kurapia			L
R	Rosa 'Coral Drift'	Coral Drift Rose	2 gallon	1.5' h x 2.5' w	L
S	Biofiltration Sod	Biofiltration Sod from Delta Bluegrass			VL - M
W	Westringia fruticosa 'Mundi'	Coast Rosemary	1 gallon	2' h x 6' w	L

Notes

1. Juglans regia / English Walnut is included on tree list as a tribute to the heritage of the site.
2. * = Multi-stem

WMB ARCHITECTS
5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

Walnut Park Library
2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED LANDSCAPE ARCHITECT GREGORY P. HASSER CRLA 3757 STATE OF CALIFORNIA
NOT FOR CONSTRUCTION
10.26 Planned Date
08.23.24 Date

This drawing is not final and shall not be used for construction work until it has been signed by the Landscape Architect

08.23.24	BID SET

The HLA Group
Landscape Architects
& Planners, Inc.

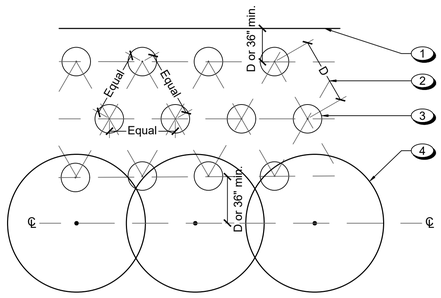
555 University Avenue,
Suite 154
Sacramento, California 95825
916.447.7400
www.hlagroup.com
CRLA 3757

Add Bid Alt #2
Planting Plan

L3.2

8/31/2023 9:21:09 AM

Copyright WMB, Inc.

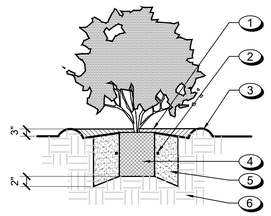


Key:

1. Mow band, pavement edge, or header.
2. Typical spacing (D). Refer to Planting Plan.
3. Groundcover plant, size as denoted on Planting Plan.
4. Shrub mass, typ.

A Ground Cover Spacing

Not to Scale — Plan



Key:

1. Bark mulch. Refer to the Planting Notes.
2. Fertilizer tablets, typ. Refer to the Planting Notes.
3. Water retention berm.
4. Root ball- set crown 1" above finish grade. Provide positive drainage away from rootball.
5. Planting pit to be twice the diameter of rootball.
6. Undisturbed native soil under rootball. Provide positive drainage away from rootball.

Notes:

A. Refer to plan sheets for more information.

B Shrub Planting

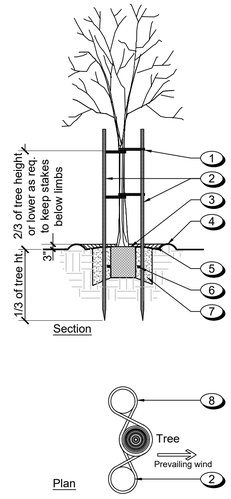
Not to Scale — Section

Key:

1. Tree ties at two locations (four total), typ. Provide slack in ties to allow for tree movement.
2. (2) 2" dia. treated lodgepole tree stakes (set plumb) do not penetrate rootball.
3. Root ball, set crown 2" above finish grade. Provide positive drainage away from rootball.
4. Water retention berm (except in turf areas).
5. Bark mulch. Refer to the Planting Notes.
6. Fertilizer tablets, typ. Refer to the Planting Notes.
7. Planting pit to be twice the diameter of root ball.
8. Secure tree tie with galv. fence staple.

Notes:

A. Refer to plan sheets for more information.



C Tree Planting

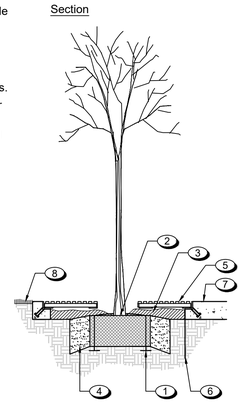
Not to Scale — Section/Plan

Key:

1. Tree Anchoring System. Refer to Tree Anchoring System detail on this sheet for more information.
2. Root ball, set crown 2" above finish grade. Provide positive drainage away from rootball.
3. Bark mulch. Refer to Planting Notes.
4. Planting pit to be twice the diameter of root ball. Backfill mix to be composed of 3 parts rock free native soil, and 1 part nitrogen stabilized shavings.
5. Tree grate, see Layout Plan and Detail H/L1.2 for more information.
6. Tree root barrier, refer to Tree Root Barrier detail this sheet for more information.
7. Concrete paving where applicable.
8. Adjacent turf where applicable.

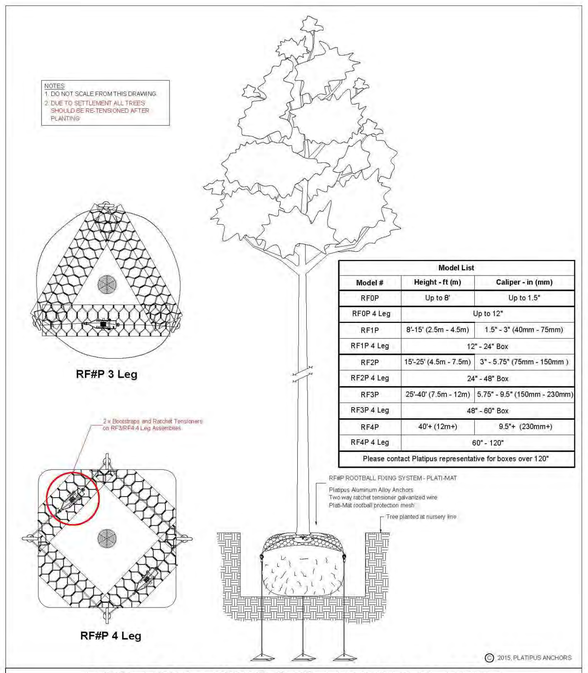
Notes:

A. Contractor shall remove nursery stake from tree prior to installation of stake noted on this detail.
B. Tree stake to be located at corner of tree grate opening to prevent damaging rootball as much as possible and on prevailing wind side when tree is in leaf.
C. Center tree in tree grate opening (each way)
D. Bark mulch level shall be flush with bottom of tree grate and shall not spill out onto top of tree grate.
E. Refer to Planting Plan for tree root barrier information.



D Tree Planting in Tree Grate

Not to Scale — Section



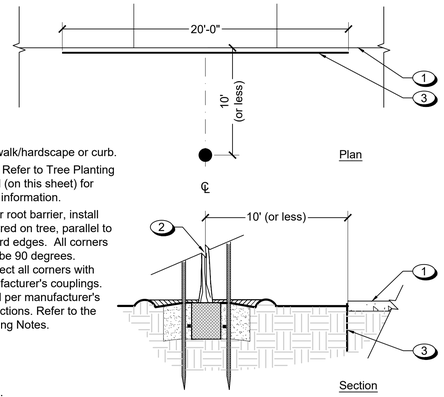
Model List		
Model #	Height - ft (m)	Caliper - in (mm)
RF0P	Up to 8'	Up to 1.5"
RF0P 4 Leg	Up to 12"	
RF1P	8'-15' (2.5m - 4.5m)	1.5" - 3" (40mm - 75mm)
RF1P 4 Leg	12" - 24" Box	
RF2P	15'-25' (4.5m - 7.5m)	3" - 5.75" (75mm - 150mm)
RF2P 4 Leg	24" - 48" Box	
RF3P	25'-40' (7.5m - 12m)	5.75" - 9.5" (150mm - 230mm)
RF3P 4 Leg	48" - 60" Box	
RF4P	40'+ (12m+)	9.5"+ (230mm+)
RF4P 4 Leg	60" - 120"	
Please contact Platipus representative for boxes over 120"		

ROOTBALL FIXING SYSTEM W/ PLATI-MAT

DRAWN/DATE RKN/JTS/EN 13/MAY/15	This guidance is based on our understanding of your requirements and no reliance should be placed on any specifications, sketches, plans or drawings provided by us or our representatives. You should seek appropriate advice from your own professional advisers since we shall not be liable for any loss or damage, consequential or otherwise, for any claims made by any third party for design guidance given by us or our representatives	PLATIPUS EARTH ANCHORING SYSTEMS 1902 Gamer Station Boulevard, Raleigh, NC 27603, USA. Toll Free: (866) 752-8474 T: (919) 863-9991 Web: www.platipus.us E-mail: trees@platipus.us	DRAWING NUMBER: STD - 400 - 1 © COPYRIGHT PLATIPUS ANCHORS, INC. This drawing has copyright and may not be copied in whole or part or used for any purpose other than that for which it is supplied without express written consent.
CHECKED/DATE			
APPROVED/DATE			

E Tree Anchoring System

Scale: NTS — Section



Key:

1. Sidewalk/hardscape or curb.
2. Tree. Refer to Tree Planting Detail (on this sheet) for more information.
3. Linear root barrier, install centered on tree, parallel to all hard edges. All corners shall be 90 degrees. Connect all corners with manufacturer's couplings. Install per manufacturer's instructions. Refer to the Planting Notes.

Notes:

A. Install linear root barrier adjacent to hardscape where tree planting occurs within 10' or less.

F Tree Root Barrier

Not to Scale — Plan/Section

Soils Analysis & Amendments Notes

The California Model Water Efficient Landscaping Ordinance (MWELO) requires that soil samples are collected and submitted to a qualified laboratory for analysis and recommendations (§492.5). One (1) sample is required for each street within the scope of work of this set. The Contractor is responsible for the following:

1. The Contractor shall submit soil samples from within the proposed development to a qualified laboratory for analysis and recommendations (MWELO, §492.5). Contractor is responsible for testing costs which shall be included within their bid.
   - 1.a. It is the Contractor's responsibility to select the area(s) to sample and schedule these collections so that all other CA MWELO and project requirements are met.
   - 1.b. Samples must NOT be collected prior to any significant mass grading.
   - 1.c. Samples must be taken within 6 months of ordering any recommended materials (compost, amendment, etc.).
   - 1.d. Samples must be taken PRIOR to any planting installation so that requirement numbers 3, 4, and 5 can be met.
2. The laboratory analysis shall include, at a minimum, soil texture, infiltration rate, pH, total soluble salts, sodium and percentage of organic matter, and recommendations (MWELO, §492.5.B).
3. The Contractor shall submit copies of the reports to The HLA Group for review as soon as they are available and PRIOR to any irrigation or planting installation (MWELO, §492.5).
4. The Contractor shall submit manufacturer product data submittals the the Landscape Architect for review and approval of compost, amendments, and fertilizer, showing that the proposed material meets the recommendations of the reports, PRIOR to any installation of this material.
5. The Contractor shall follow the compost, amendment, and fertilizer recommendations and quantities noted within each report for each group, PRIOR to any planting installation.
6. The reports shall be submitted along with documentation verifying implementation of soils analysis report recommendations to the Yolo County with the Certificate of Completion (MWELO, §492.5.B.4)

Planting Notes

1. Plant material quantities shown on drawings are informational only. The Contractor is responsible for all plant material required.

   LA 12 — Plant Key Quantity

2. Immediately after award of contract, the Contractor shall notify the Owner's Representative if specified plant material is available from commercial nurseries. In a case plant material is not available, the Owner's Representative will provide alternate plant material selections. Such changes will not alter the Contractor's original bid price unless a credit is due to the Owner.
3. Excavated plant pits shall have positive drainage. Plant pits when fully flooded with water shall drain within 1 hours of filling. The Contractor shall ensure all plant pits have positive drainage. Refer to specifications for exact requirements.
4. All plant material shall comply with form and characteristic requirements as specified. All plant material with comply with ANSI Z601 "Standard for Nursery Stock". Trees shall conform with the Yolo County's tree quality requirements listed within the Improvement Standards.
5. The Contractor shall conform to all conditions and requirements contained within County of Yolo Improvement Standards for work to be completed within the right-of-way (ROW). The Contractor shall have available on the job site at all time, the Landscape Standard Specifications for inspection by the Owner's Representative.
6. The Contractor is responsible for soil erosion control measures that may be required through the duration of the contract period. Should there be existing soil erosion conditions that require mitigation when the Contractor initially accepts the site, the Owner or Owner's Representative should be alerted to its existence. Failure of the Contractor to notify the Owner or Owner's Representative implies acceptance of the site by the Contractor in its existing condition. All costs necessary to mitigate existing erosion problems shall be at the Contractor's expense and at no extra cost to the Owner or increase in original bid amount.
7. The Contractor shall verify locations of all underground utility systems prior to beginning any phase of construction that may cause damage to existing structures. Call U.S.A. to locate existing utilities at 811. The Contractor shall be responsible for the repair/replacement of damaged utilities, to the satisfaction of the Owner or governing agency and at no extra cost to the Owner or increase in bid amount.
8. A 3" layer of "walk-on" type bark mulch shall be provided in all non-lawn planting areas. Gorilla hair type bark is not acceptable. Do not engulf stems of any plant material with mulch.
9. The Contractor shall apply a pre-emergent herbicide to all plant areas following installation.
10. The location of tree, shrubs and groundcover shall be adjusted in field as necessary to accommodate existing utilities etc.
11. Trees planted less than ten feet (10') of paving shall contain root barriers. Refer to detail for more information. Install barrier along all edges of paving for a distance of no less than 20' on center per tree. Root control panels are required around all sides of landscaped medians that include tree plantings. Root control panels are required around all sides of landscaped buffer areas between curbing and sidewalk.
12. All soil in planting areas shall be amended per recommendations of contractor supplied soils fertility test. Amendments shall be evenly mixed into top 4-6" of soil.

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

Walnut Park Library
2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED LANDSCAPE ARCHITECT
GREGORY P. HAUSER
CRLA 3757
Signature
6.30.26
Renewal Date
08.23.24
Date
STATE OF CALIFORNIA

This drawing is not final and shall not be used for construction work until it has been signed by the Landscape Architect

08.23.24	BID SET

The HLA Group
Landscape Architects
& Planners, Inc.

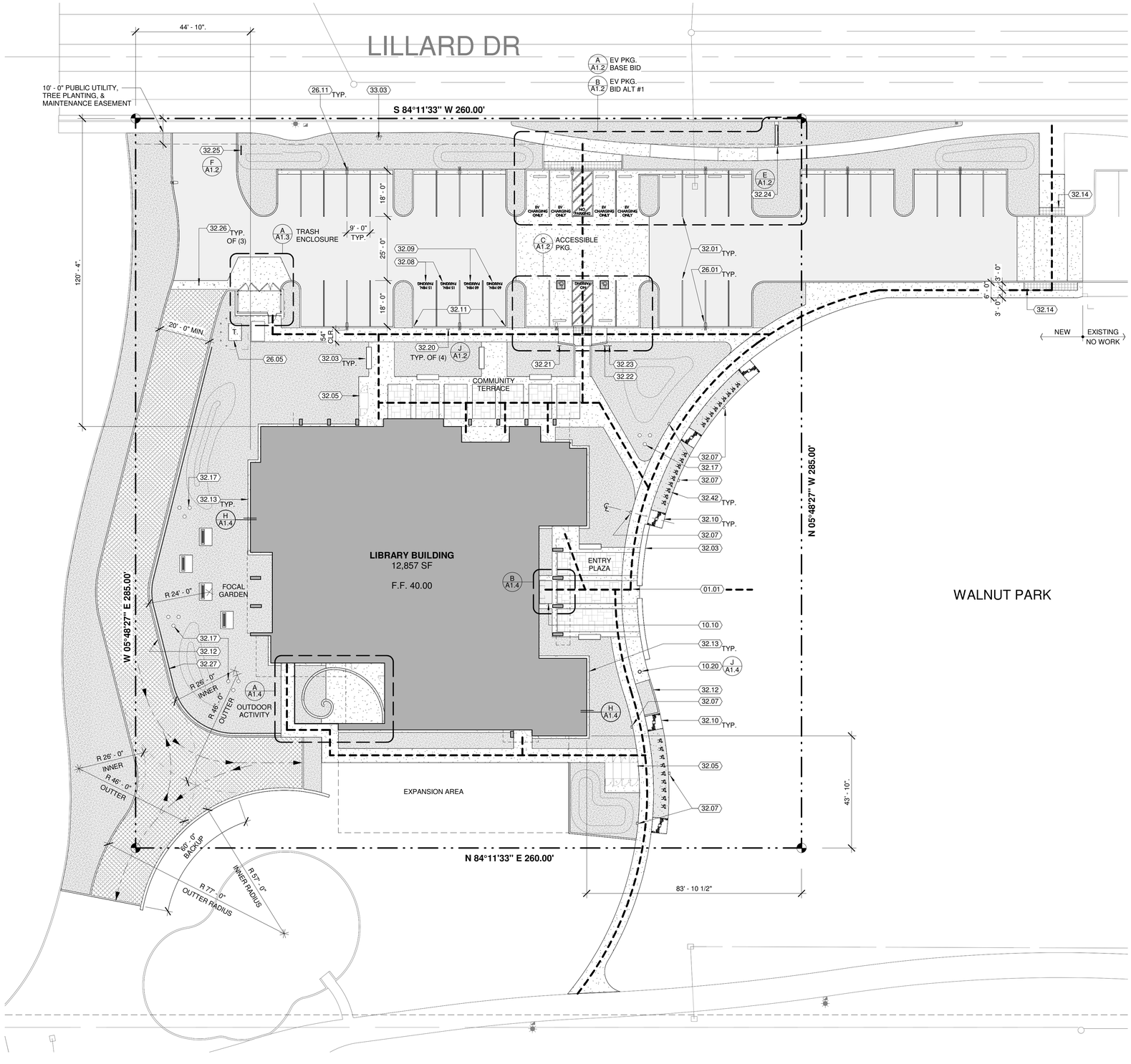
555 University Avenue,
Suite 154
Sacramento, California 95825
916.447.7400
www.hlagroup.com
CRLA 3757

Planting Details

L3.3

8/31/2023 9:21:09 AM

Copyright WMB, Inc.



WALNUT PARK

SITE PLAN

1" = 20'-0"

LEGEND

- VEHICULAR CONCRETE PAVING REFER TO CIVIL DWGS.
- PEDESTRIAN CONCRETE PAVING REFER TO LANDSCAPE DWGS.
- CONCRETE PAVER SYSTEM REFER TO LANDSCAPE DWGS.
- ASPHALT PAVING - REFER TO CIVIL DWGS.
- TURF - REFER TO LANDSCAPE DWGS.
- PLANTING AREA - REFER TO LANDSCAPE DWGS.
- PLANTABLE PAVING SYSTEM REFER TO CIVIL & LANDSCAPE DWGS.

GENERAL NOTES

KEYNOTES

01.01 ACCESSIBLE PEDESTRIAN ROUTE
10.10 RECESSED WALK OFF MAT - DEPRESS SLAB - REF. STRUCT. DWGS
10.20 35 FT. ALUMINUM FLAG POLE - REFER TO ELECTRICAL DWGS. FOR LIGHTING
26.01 LIGHT FIXTURE - REF. ELECTRICAL DWGS.
26.05 PAD MOUNTED ELECTRICAL TRANSFORMER w/ BOLLARD PROTECTION PER UTILITY COMPANY REQUIREMENTS
26.11 POLE-MOUNTED SITE LIGHT - REF. ELECTRICAL DWGS.
32.01 4" WIDE WHITE STRIPING
32.03 CONCRETE & WOOD BENCHES - REF. LANDSCAPE DWGS.
32.05 BICYCLE LOCKER - REF. LANDSCAPE DWGS.
32.07 12"x8" CONCRETE PAD FOR BOLLARD LIGHT CENTERED ON TREE WELL - REF. ELECT. DWGS FOR LIGHT FIXTURE
32.08 12" HIGH WHITE STALL IDENTIFICATION LETTERS: "15 MIN. PARKING"
32.09 12" HIGH WHITE STALL IDENTIFICATION LETTERS: "60 MIN. PARKING"
32.10 TREE WELL w/ GRATE - REF. LANDSCAPE DWGS.
32.11 PAINT CONCRETE CURB GREEN
32.12 CONCRETE CURB - REF. CIVIL DWGS.
32.13 12" WIDE CONCRETE MAINTENANCE STRIP
32.14 36" WIDE DETECTABLE WARNING SURFACE
32.17 CONCRETE COLLAR FOR INGRADE LIGHT FIXTURE - THREE LIGHT CLUSTER - REF. ELECT. DWGS FOR FIXTURE
32.20 TIME LIMIT PARKING STALL SIGN
32.21 ACCESSIBLE PARKING STALL SIGN
32.22 VAN ACCESSIBLE PARKING STALL SIGN
32.23 TOW-AWAY / ACCESSIBLE PARKING ENTRY SIGN
32.24 LIBRARY MONUMENT SIGN
32.25 LIBRARY DRIVEWAY SIGN
32.26 BOLLARD - REF. CIVIL DWGS.
32.27 LOW RAILING - REF. LANDSCAPE DWGS.
32.42 BIKE RACK - 5 BIKE MIN.
33.03 FIRE HYDRANT - REF. CIVIL DWGS.

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY

Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED ARCHITECT SAMUEL G. WILLIAMS C-47,147 EXP. 08-31-25 STATE OF CALIFORNIA

NOT FOR CONSTRUCTION

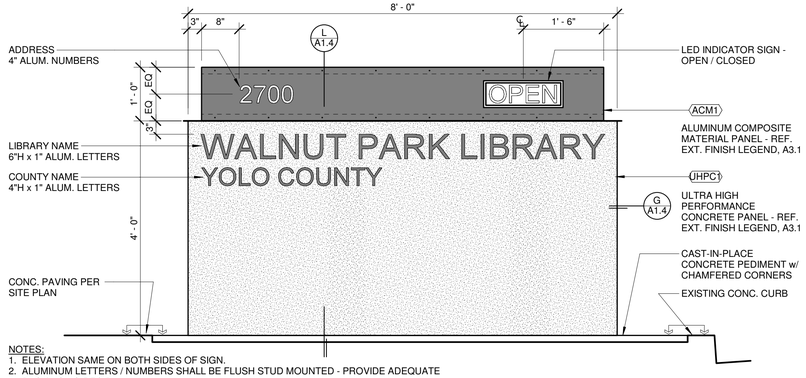
08.23.24	BID SET

SITE PLAN

A1.1

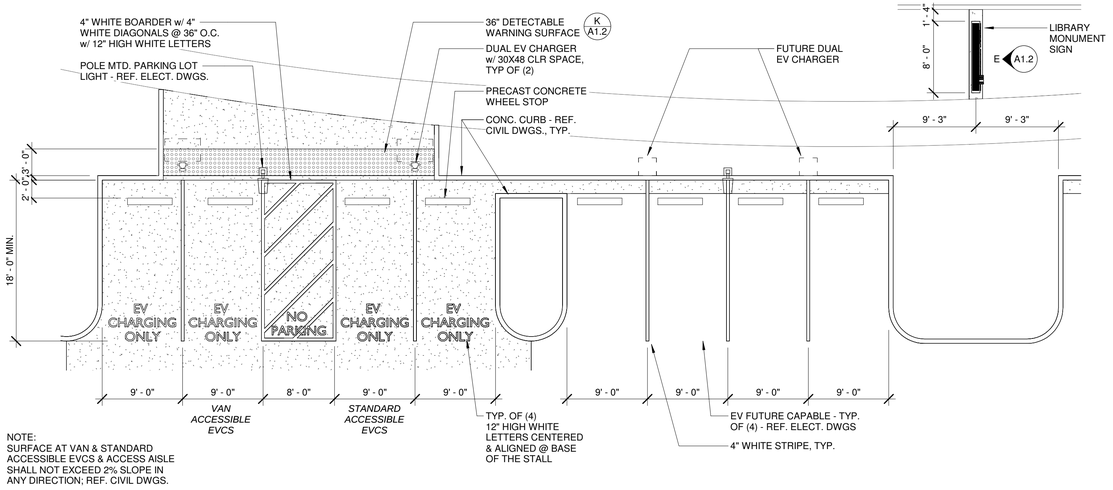
8/26/2024 3:27:59 PM

Copyright WMB, Inc.



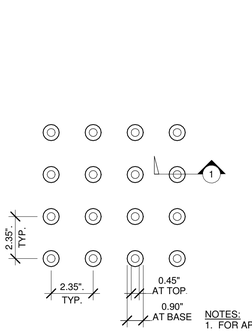
NOTES:
1. ELEVATION SAME ON BOTH SIDES OF SIGN.
2. ALUMINUM LETTERS / NUMBERS SHALL BE FLUSH STUD MOUNTED - PROVIDE ADEQUATE BACKING AS REQ'D.
3. SURFACE MOUNTED, SINGLE SIDED LED INDICATOR SIGN, EA. SIDE OF MONUMENT.
   SIGNAL-TECH, PRODUCT ID: 5887
   MODEL TCL718GR-100/120-277VAC
   MESSAGE: OPEN (GREEN) / CLOSED (RED)
   www.signal-tech.com | P. (877) 547-9900
4. BOTH SIGNS SHALL OPERATE OFF A SINGLE SWITCH. SWITCH SHALL BE LOCATED AT THE CIRCULATION DESK.

E LIBRARY MONUMENT SIGN
3/4" = 1'-0"



NOTE:
SURFACE AT VAN & STANDARD ACCESSIBLE EVCS & ACCESS AISLE SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION; REF. CIVIL DWGS.

A EV PARKING - BASE BID
1/8" = 1'-0"

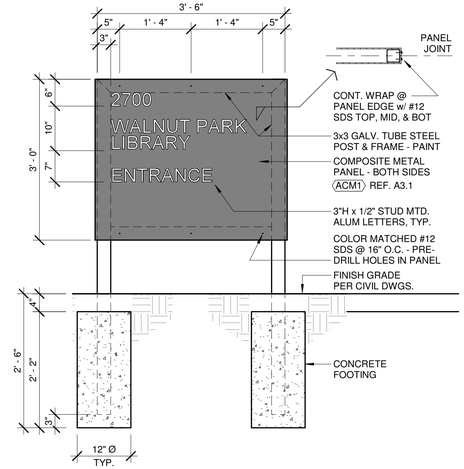


TRUNCATED DOME PATTERN (PLAN)

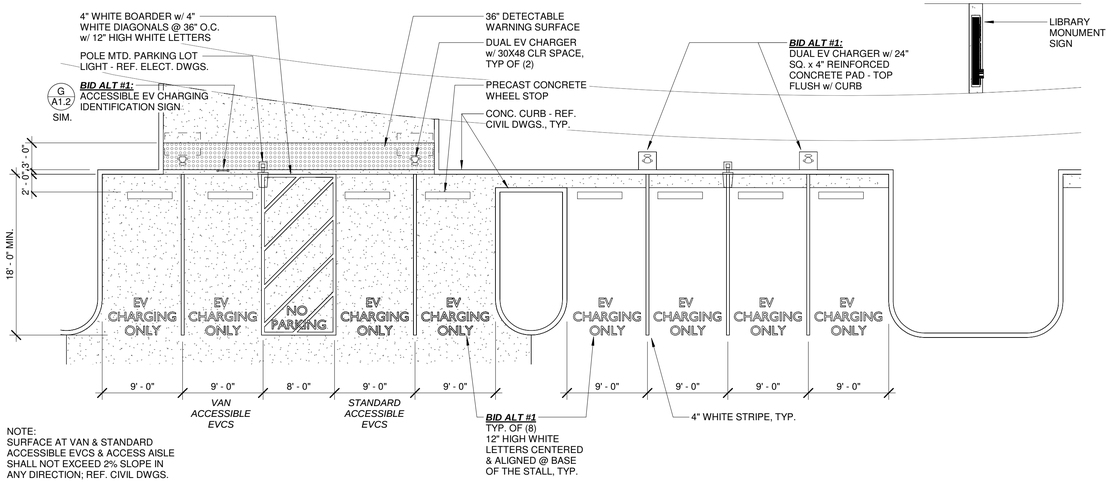
TYPICAL DOME SECTION "1"

NOTES:
1. FOR APPLICATION TO EXISTING PAVING, USE SURFACE-APPLIED DETECTABLE WARNING SYSTEM BY ADA SOLUTIONS, INC.
2. AT NEW PAVING, USE REPLACEABLE WET-SET DETECTABLE WARNING SYSTEM BY ADA SOLUTIONS, INC.
3. COLOR SHALL BE SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARDS.

K DETECTABLE WARNING
3" = 1'-0"

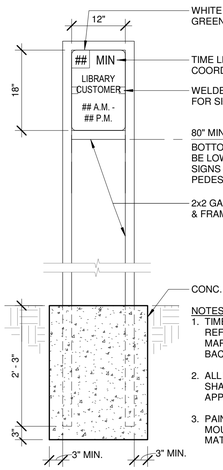


F LIBRARY DRIVEWAY SIGN
3/4" = 1'-0"



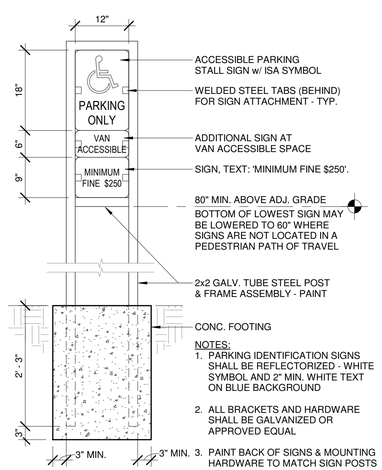
NOTE:
SURFACE AT VAN & STANDARD ACCESSIBLE EVCS & ACCESS AISLE SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION; REF. CIVIL DWGS.

B EV PARKING - ADDITIVE BID ALTERNATE #1
1/8" = 1'-0"



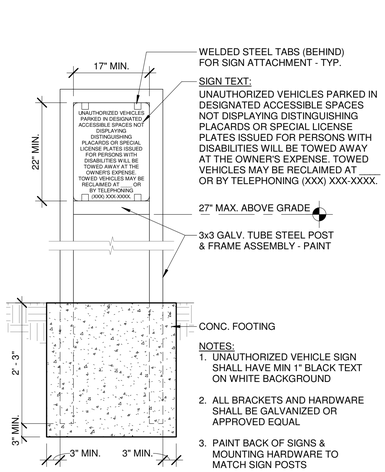
NOTES:
1. TIME LIMIT SIGNS SHALL BE REFLECTORIZED - GREEN MARKINGS / TEXT ON WHITE BACKGROUND
2. ALL BRACKETS AND HARDWARE SHALL BE GALVANIZED OR APPROVED EQUAL
3. PAINT BACK OF SIGNS & MOUNTING HARDWARE TO MATCH SIGN POSTS

J TIME LIMIT PARKING SIGN
3/4" = 1'-0"



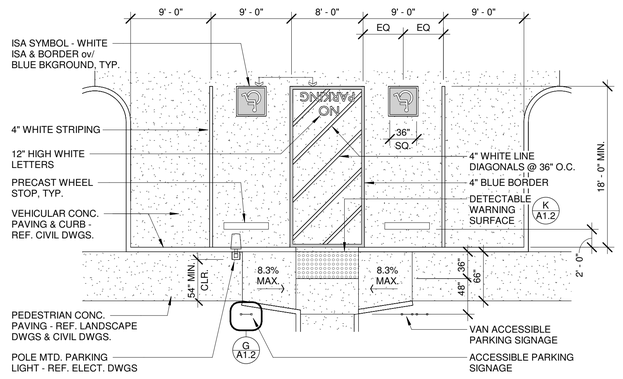
NOTES:
1. PARKING IDENTIFICATION SIGNS SHALL BE REFLECTORIZED - WHITE SYMBOL AND 2" MIN. WHITE TEXT ON BLUE BACKGROUND
2. ALL BRACKETS AND HARDWARE SHALL BE GALVANIZED OR APPROVED EQUAL
3. PAINT BACK OF SIGNS & MOUNTING HARDWARE TO MATCH SIGN POSTS

G ACCESSIBLE PARKING SIGN
3/4" = 1'-0"



NOTES:
1. UNAUTHORIZED VEHICLE SIGN SHALL HAVE MIN 1" BLACK TEXT ON WHITE BACKGROUND
2. ALL BRACKETS AND HARDWARE SHALL BE GALVANIZED OR APPROVED EQUAL
3. PAINT BACK OF SIGNS & MOUNTING HARDWARE TO MATCH SIGN POSTS

D TOW AWAY SIGN
3/4" = 1'-0"



C ACCESSIBLE PARKING
1/8" = 1'-0"

WMB
ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY
LIBRARY
Walnut Park Library
2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED ARCHITECT
SAMUEL G. [illegible]
No. [illegible]
31-25
STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

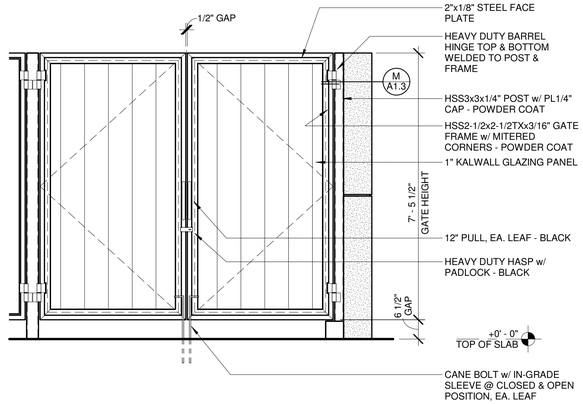
08.23.24	BID SET

PARKING DETAILS

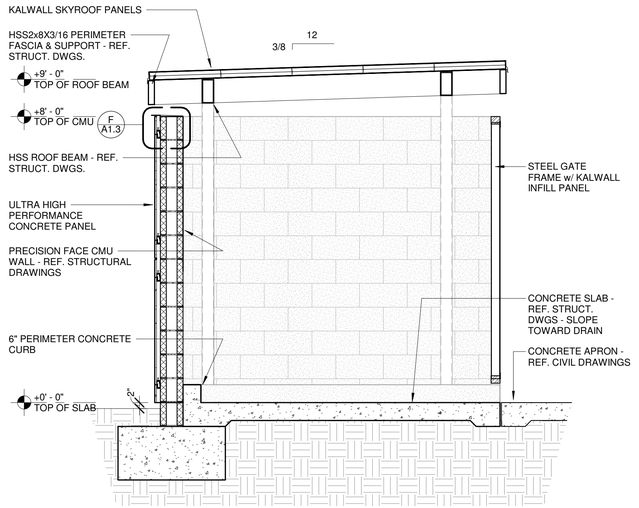
A1.2

8/26/2024 3:28:00 PM

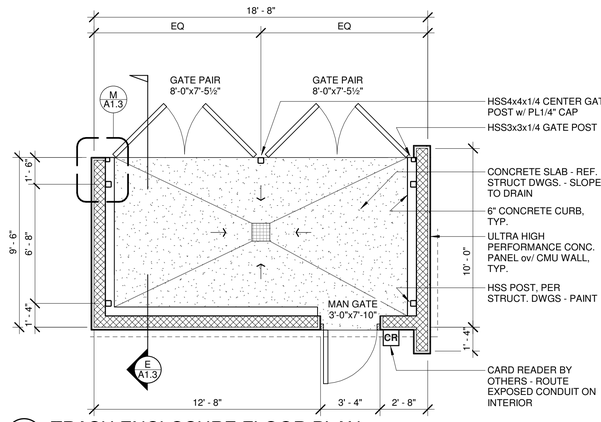
Copyright WMB, Inc.



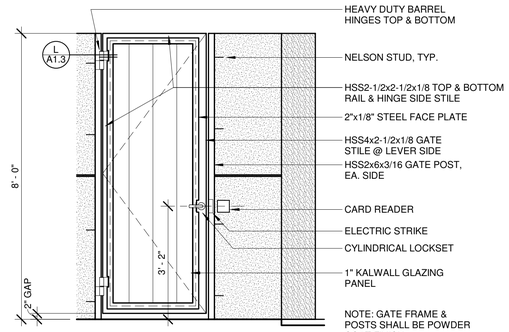
J TRASH ENCLOSURE GATE ELEVATION
1/2" = 1'-0"



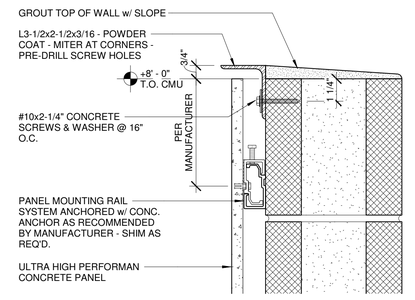
E TRASH ENCLOSURE SECTION
1/2" = 1'-0"



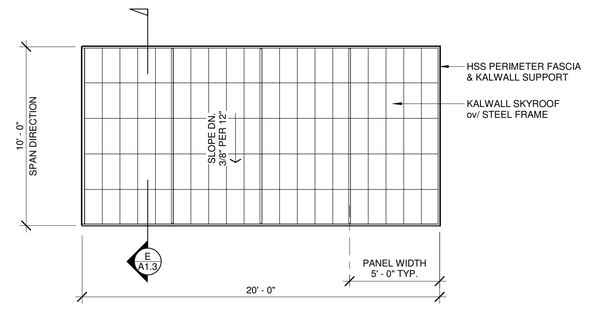
A TRASH ENCLOSURE FLOOR PLAN
1/4" = 1'-0"



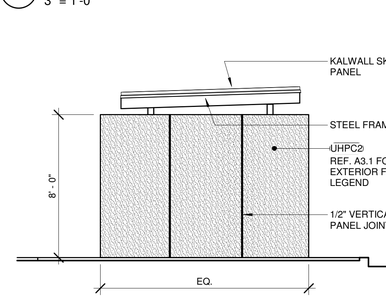
K TRASH ENCLOSURE MAN GATE ELEV
1/2" = 1'-0"



F TRASH ENCLOSURE TOP OF WALL
3" = 1'-0"

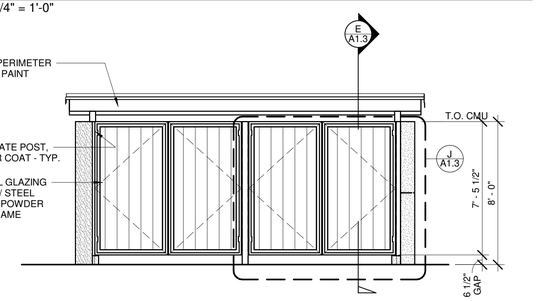


B TRASH ENCLOSURE ROOF PLAN
1/4" = 1'-0"

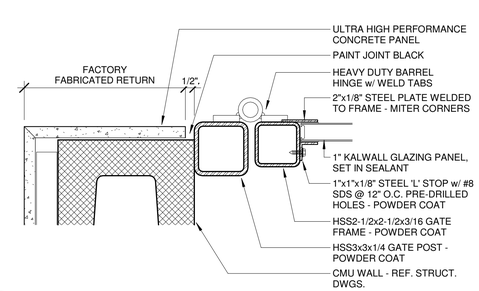


L MAN GATE HINGE
3" = 1'-0"

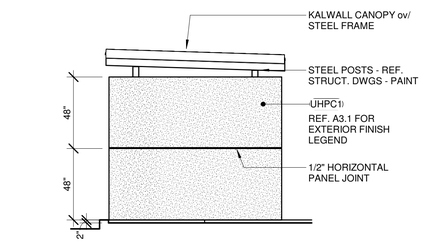
G TRASH ENCLOSURE EAST
1/4" = 1'-0"



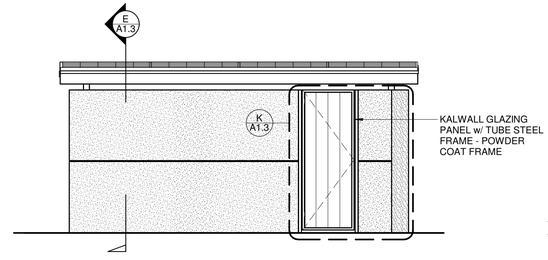
C TRASH ENCLOSURE NORTH
1/4" = 1'-0"



M TRASH ENCLOSURE GATE HINGE
3" = 1'-0"



H TRASH ENCLOSURE WEST
1/4" = 1'-0"



D TRASH ENCLOSURE SOUTH
1/4" = 1'-0"

WMB ARCHITECTS
5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
Walnut Park Library
2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED ARCHITECT SAMUEL C. MCINTOSH C-47 5-31-25 STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

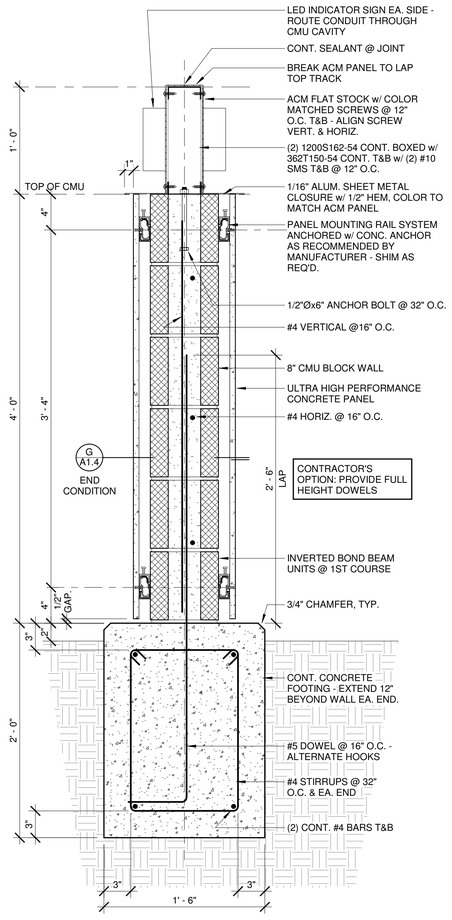
08.23.24	BID SET

TRASH ENCLOSURE

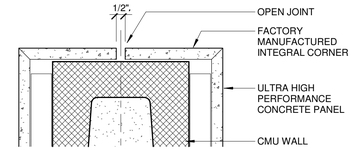
A1.3

8/26/2024 3:28:02 PM

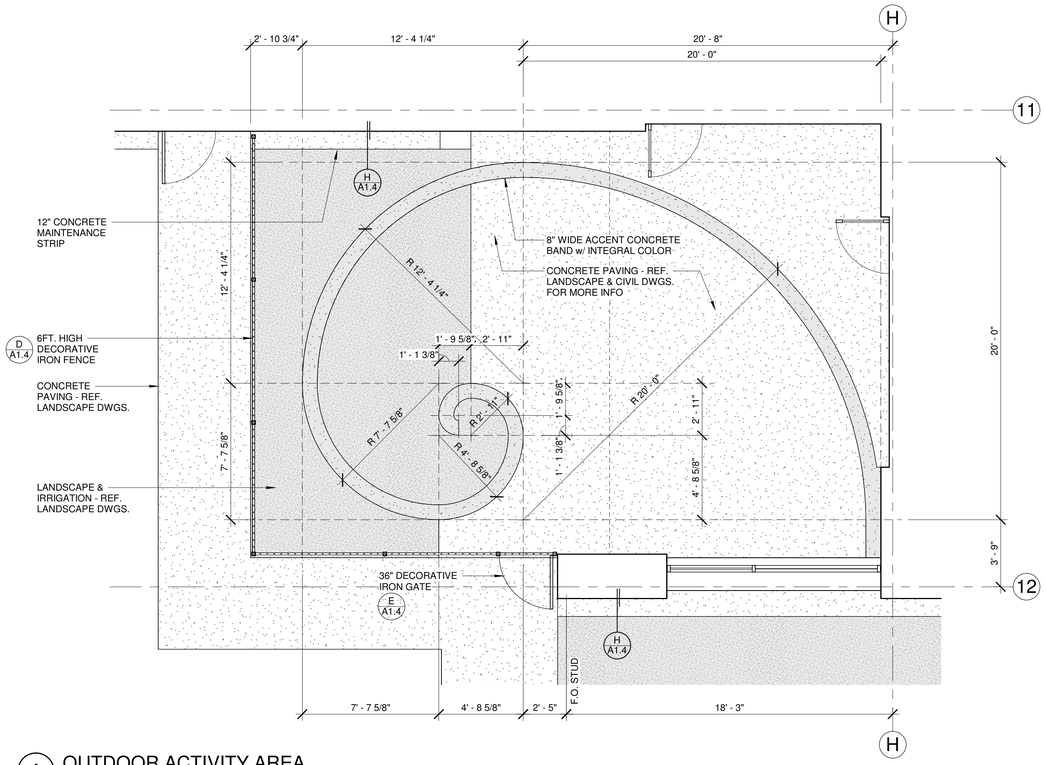
Copyright WMB, Inc.



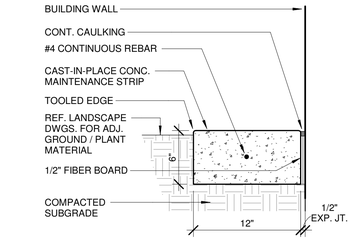
L MONUMENT SIGN SECTION
1 1/2" = 1'-0"



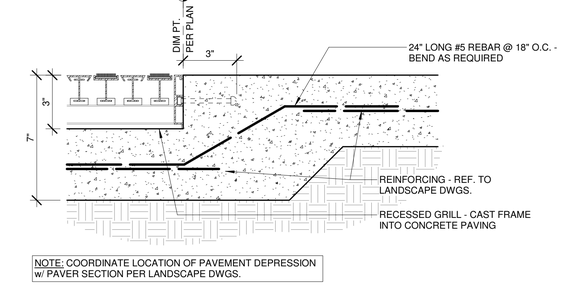
G MONUMENT SIGN END CONDITION
3" = 1'-0"



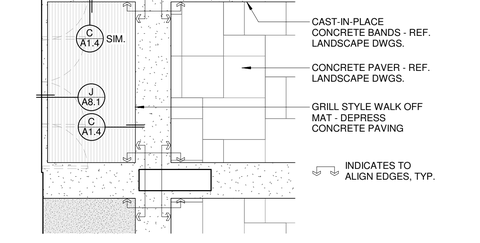
A OUTDOOR ACTIVITY AREA
1/4" = 1'-0"



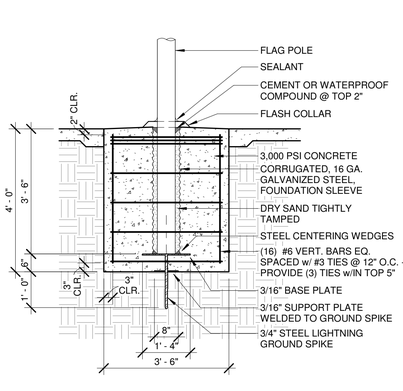
H CONC. MAINTENANCE STRIP
1 1/2" = 1'-0"



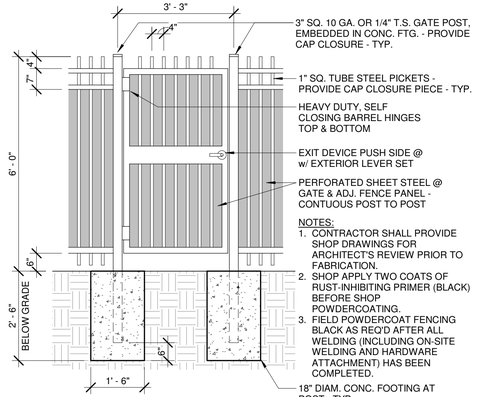
C WALK-OFF MAT EDGE
3" = 1'-0"



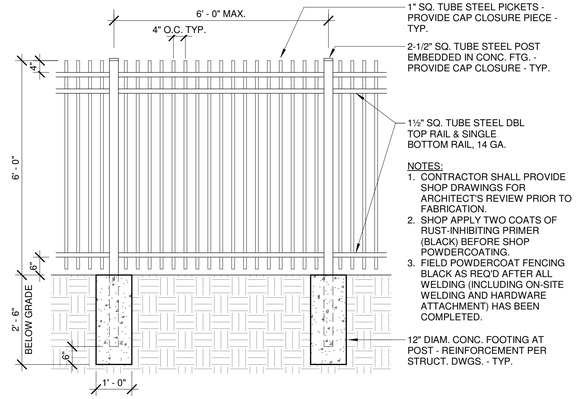
B WALK OFF ENTRANCE MATT
1/4" = 1'-0"



J FLAG POLE FOOTING
1/2" = 1'-0"



E GATE @ TUBE STEEL FENCE
1/2" = 1'-0"



D TUBE STEEL FENCE
1/2" = 1'-0"

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY

Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED ARCHITECT SAMUEL G. CASTRO 17647 5-31-25 STATE OF CALIFORNIA

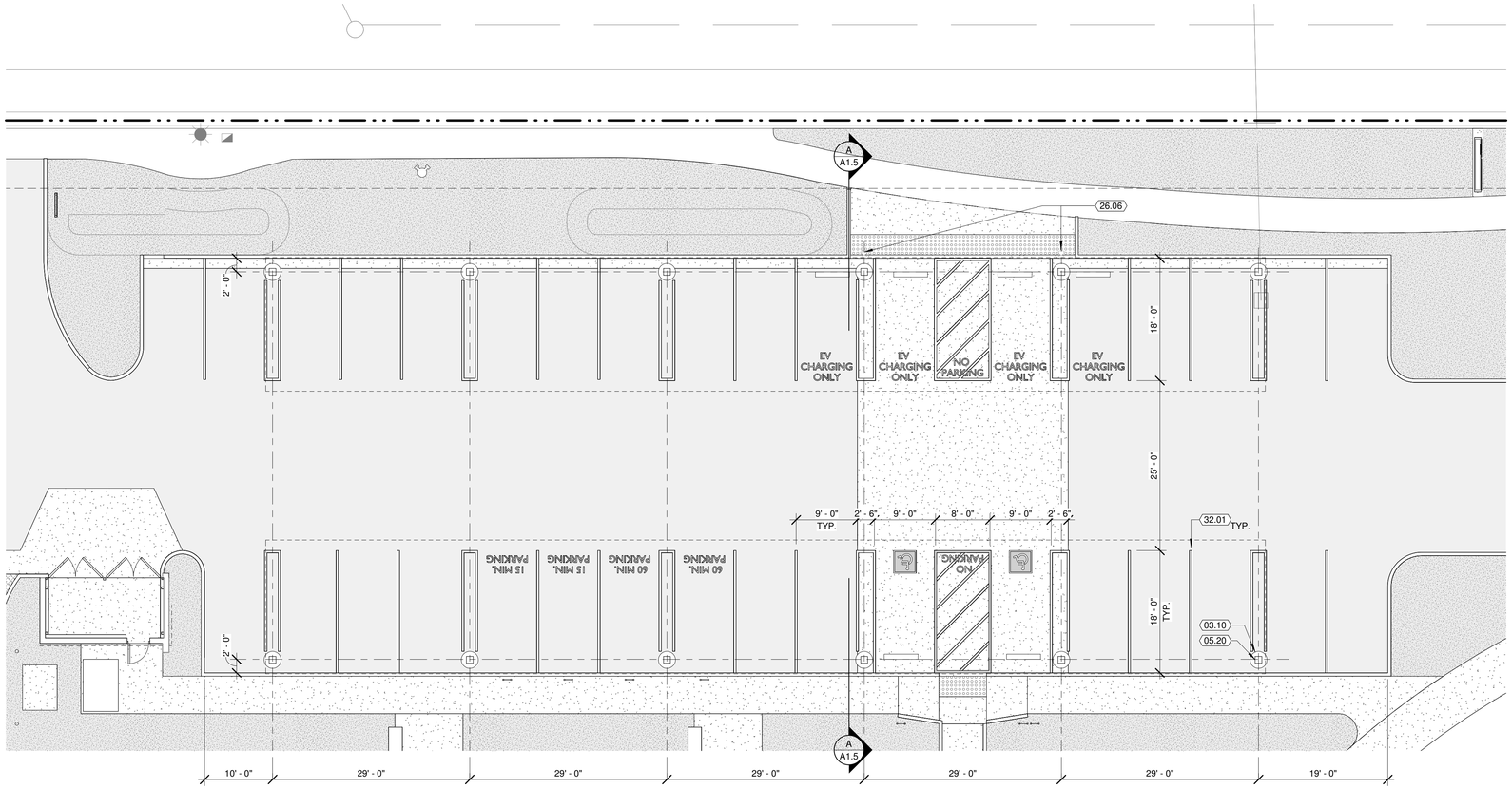
NOT FOR CONSTRUCTION

08.23.24	BID SET

SITE DETAILS

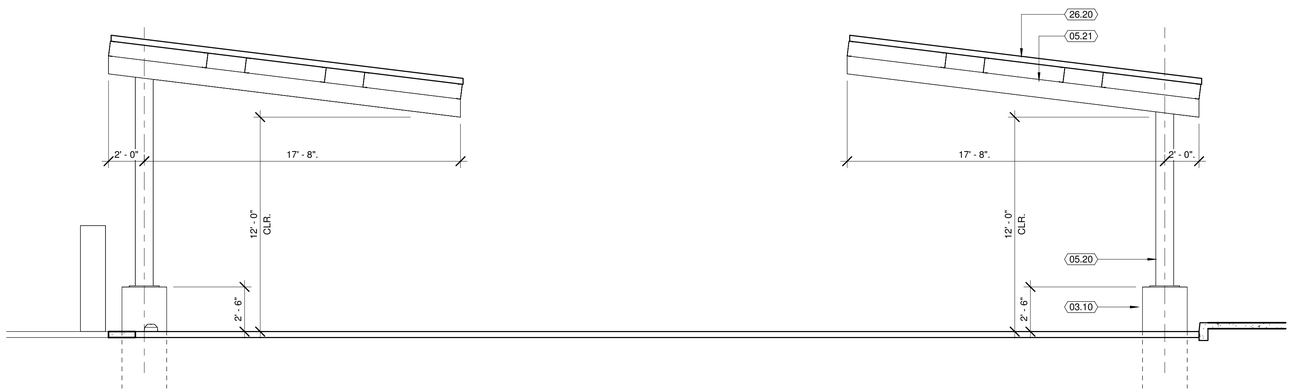
A1.4

8/26/2024 3:28:03 PM Copyright WMB, Inc.



SITE PLAN - PV @ PKG LOT - ADD BID ALT #2

1" = 10'-0"



A SITE SECTION - PV STRUCTURE

1/4" = 1'-0"

LEGEND

- VEHICULAR CONCRETE PAVING
  REFER TO CIVIL DWGS.
- PEDESTRIAN CONCRETE PAVING
  REFER TO LANDSCAPE DWGS.
- CONCRETE PAVER SYSTEM
  REFER TO LANDSCAPE DWGS.
- ASPHALT PAVING - REFER TO CIVIL DWGS.
- TURF - REFER TO LANDSCAPE DWGS.
- PLANTING AREA - REFER TO LANDSCAPE DWGS.
- PLANTABLE PAVING SYSTEM
  REFER TO CIVIL & LANDSCAPE DWGS.

GENERAL NOTES

1. THE DESIGN & ENGINEERING OF THE PHOTOVOLTAIC PANELS SUPPORT STRUCTURE SHALL BE THE RESPONSIBILTY OF THE GENERAL CONTRACTOR. THE STRUCTURAL DESIGN SHALL COMPLY WITH THE SPACING, HEIGHTS, AND SLOPES AS NOTED ON THIS SHEET. THE ENGINEERING OF THE STRUCTURE SHALL COMPLETED BY A CALIFORNIA STATE LICENSED STRUCTURAL ENGINEER AND SHALL COMPLY WITH THE PROJECT GEOTECHNICAL REPORT AND ALL APPLICABLE GOVERNING CODES AND REGULATIONS.
2. THE PV SUPPORT STRUCTURE HAS BEEN IDENTIFIED AS A DEFFERED APPROVAL. IT IS THE RESPONSIBLITY OF THE GENERAL CONTRACTOR TO SUBMIT DOCUMENTATION OF THE STRUCTURE'S DESIGN AND ENGINEERING TO THE YOLO COUNTY BUILDING DEPARTMENT FOR REVIEW AND APPROVAL.
3. REFER TO THE CIVIL, LANDSCAPE & ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

KEYNOTES

- 03.10 CIRCULAR CONCRETE BASE w/ CHAMFER EDGE @ TOP - SACK & PATCH TO UNIFORM FINISH - NO SPIRAL FORMS
- 05.20 STEEL COLUMN w/ BASE PLATE & ANCHOR BOLTS - PAINT ALL EXPOSED STEEL & ANCHORS
- 05.21 CANTILEVERED STEEL BEAM SLOPED FOR OPTIMAL SOLAR EXPOSURE - PAINT ALL EXPOSED STEEL & ANCHORS
- 26.06 EV DUAL CHARGERS
- 26.20 PHOTOVOLTAIC PANELS MOUNTED TO PURLINS SPACED ACCORDING TO PANEL ANCHOR POINTS
- 32.01 4" WIDE WHITE STRIPING

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY

Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED ARCHITECT SAMUEL G. WOLFF C-47 31-25 STATE OF CALIFORNIA

NOT FOR CONSTRUCTION

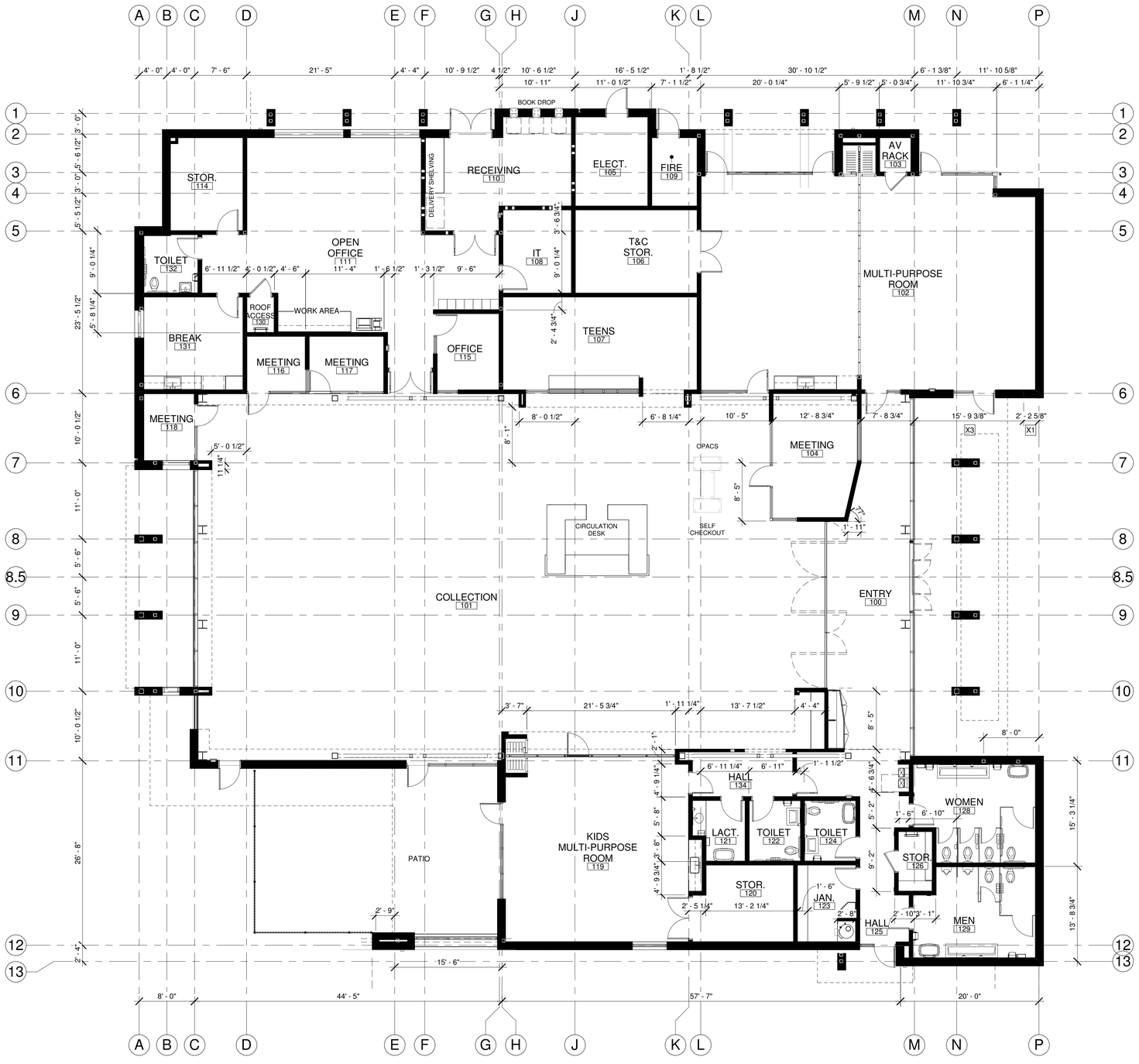
08.23.24	BID SET

ADDITIVE BID ALTERNATE #2
PV @ PARKING LOT

A1.5

8/26/2024 3:28:04 PM

Copyright WMB, Inc.



DIMENSION PLAN

1/8" = 1'-0"

LEGEND

- NEW WALL - REFER TO WALL SCHEDULE ON A2.2
- ALIGN ADJACENT FINISH SURFACES
- CENTERLINE DESIGNATION

GENERAL NOTES

1. GRID LINES ARE TO FACE OF STUD, U.O.N.
2. ALL DIMENSIONS ARE TO FACE OF STUD, U.O.N.

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY

Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED ARCHITECT SAMUEL G. WOLF C-47,7 STATE OF CALIFORNIA 12-31-25

NOT FOR CONSTRUCTION

08.23.24	BID SET

DIMENSION PLAN

A2.1

8/26/2024 3:28:05 PM Copyright WMB, Inc.

INTERIOR WALL SCHEDULE

NO.	CORE	INSUL.	WALLBOARD	EXTENT	F.R.
1	2x6 D.F. STUDS @ 16" O.C.	ACOUST. F.G. BATT.	5/8" GYP. BD. BOTH SIDES	CORE, INSUL. & WALLBD. ONE SIDE TO UNDERSIDE OF ROOF DECK; WALLBD. ONE SIDE TO 6" ABOVE FINISH CEILING	-
2	2x4 D.F. STUDS @ 16" O.C.	ACOUST. F.G. BATT.	5/8" GYP. BD., EXPOSED SIDE	CORE, INSUL. & WALLBD. TO 6" ABOVE FINISH CEILING	-
3	2X4 DF STUDS @ 16" O.C.	ACOUST. F.G. BATT.	5/8" GYP. BD. BOTH SIDES	CORE, INSUL. & WALLBD. TO 6" ABOVE FINISH CEILING	-
4	2x6 D.F. STUDS @ 16" O.C.	ACOUST. F.G. BATT.	5/8" TYPE 'X' GYP. BD. BOTH SIDES	CORE, INSUL. & WALLBD. TO UNDERSIDE OF ROOF DECK	1 HR. UL U305

(1) INTERIOR SHEAR PLY NOT INDICATED - COORDINATE LOCATIONS w/ STRUCTURAL DRAWINGS
(2) PROVIDE MOISTURE-RESISTANT GYP. BD. AT ALL WET LOCATIONS AND/OR TO RECEIVE WALL TILE - REF. A10.1
(3) CONSTRUCT WALL TYPE 4 IN ACCORDANCE w/ DETAILS G, H, J, K, & L ON A6.3.

EXTERIOR WALL SCHEDULE

NO.	CORE	SHEATHING	CORE INSUL.	CONT. INSUL.	WEATHER BARRIER	FINISH	
						INT.	EXT.
X1	2x6 D.F. STUDS @ 16" O.C.	PLYWOOD, PER STRUCT. DWGS.	R22 M.W. BATT	2" R8.6 SEMI-RIGID STONE WOOL BOARD w/ BLACK MAT FACER	SELF ADHERED AIR AND WATER BARRIER	5/8" GYP. BD.	HORIZONTAL UHPC-1 PANELS ov/ THERMALLY BROKEN CLADDING SUPPORT SYSTEM. ACM-1 ACCENT WHERE OCCURS PER ELEVATION
X2	2x6 D.F. STUDS @ 16" O.C.	PLYWOOD, PER STRUCT. DWGS.	-	-	SELF ADHERED AIR AND WATER BARRIER	-	HORIZONTAL UHPC-1 PANELS ov/ THERMALLY BROKEN CLADDING SUPPORT SYSTEM. ACM-1 ACCENT WHERE OCCURS PER ELEVATION
X3	2x6 D.F. STUDS @ 16" O.C.	PLYWOOD, PER STRUCT. DWGS.	R22 M.W. BATT	2" R8.6 SEMI-RIGID STONE WOOL BOARD w/ BLACK MAT FACER	SELF ADHERED AIR AND WATER BARRIER	5/8" GYP. BD.	VERTICAL UHPC-2 PANELS ov/ THERMALLY BROKEN CLADDING SUPPORT SYSTEM. ACM-1 ACCENT WHERE OCCURS PER ELEVATION
X4	2x8 D.F. STUDS, PER STRUCT. DWGS.	PLYWOOD, PER STRUCT. DWGS.	R22 M.W. BATT	2" R8.6 SEMI-RIGID STONE WOOL BOARD w/ BLACK MAT FACER	SELF ADHERED AIR AND WATER BARRIER	5/8" GYP. BD.	VERTICAL UHPC-2 PANELS ov/ THERMALLY BROKEN CLADDING SUPPORT SYSTEM. ACM-1 ACCENT WHERE OCCURS PER ELEVATION

(1) WHERE THE STRUCTURAL DRAWINGS DO NOT INDICATE SHEATHING, PROVIDE 1/2" PLYWOOD

LEGEND

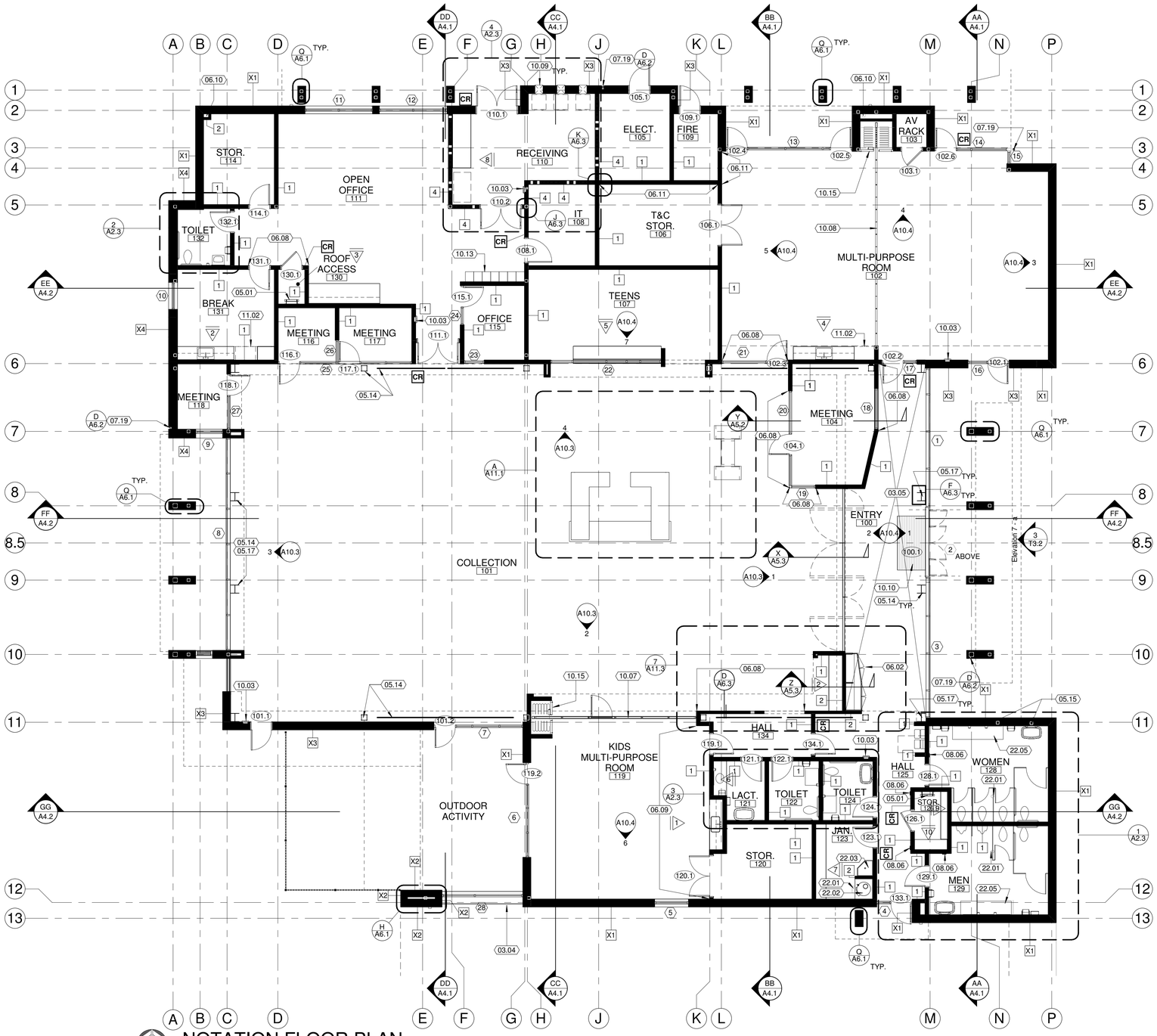
- NEW WALL
- 1 — INTERIOR WALL TYPE - REF. SCHEDULE THIS SHEET
- X1 — EXTERIOR WALL TYPE - REF. SCHEDULE THIS SHEET
- 101.1 — DOOR NUMBER - REF. A8.1 FOR SCHEDULE
- 1 — GLAZED FRAME NUMBER - REF. A8.3 FOR SCHEDULE
- 1 — CABINET ELEVATION - REF. A11.1
- CR — CARD READER - FOR ACCESS CONTROL SYSTEM BY OTHERS - REF. ELECT. DWGS FOR ROUGH IN COORD.
- COLUMN REF. STRUCTURAL DWGS.
- COLUMN AND BRACED FRAMING - REF. STRUCTURAL DWGS.

GENERAL NOTES

1. REFER TO SHEET T3.2FOR POSTED SIGNAGE

KEYNOTES

03.04 CONCRETE CURB
03.05 DEPRESS CONCRETE SLAB 2" - DTL. E/A10.2 - REF. STRUCTURAL DWGS.
05.01 WALL MOUNTED ROOF ACCESS LADDER
05.14 EXPOSED STEEL STRUCTURAL FRAMES - REF. STRUCT. DWGS - PAINT
05.15 TUBE STEEL POST w/ HSS4x4 OUTRIGGERS @ +48" & +96" FOR PUBLIC ART MOUNT - REF. STRUCT. DWGS. - COORDINATE FINAL LOCATION w/ ARTIST
05.17 PRIOR TO SETTING CURTAIN WALL, WELD 1/4" STEEL PLATE LEVEL w/ FINISH FLOOR TO FIT NEAT INSIDE OF COLUMN AND ALIGN w/CORNERS - PAINT TO MATCH
06.02 GLASS-FRONT DISPLAY CASE W/ GLASS SHELVING - REF. CABINET ELEVATIONS
06.08 CONTINUE PLYWOOD. SHEATHING
06.09 SHEATH ENTIRE FACE OF INTERIOR WALL @ GRID K
06.10 FRAME CHASE FOR RWL - REF. PLUMBING DWGS.
06.11 EXTEND CORE INSULATION AND WALLBOARD FULL HEIGHT AND MEET MINIMUM INSULATION VALUE
07.19 3"x4" 24 GA. PREFINISHED SHEET METAL DOWNSPOUT FORMED FROM SHEET STOCK TO MATCH ACM - SPILL TO SPLASH BLOCK
08.06 LOW VOLTAGE DOOR OPERATOR ACTIVATOR BAR
10.03 PORTABLE FIRE EXTINGUISHER IN SEMI-RECESSED CABINET - CONFIRM LOCATION w/ FIRE MARSHALL PRIOR TO INSTALLATION
10.07 8' HIGH GLAZED, PAIRED PANEL OPERABLE PARTITION w/ INTEGRAL PASSAGE DOOR
10.08 10' HIGH SOLID, PAIRED PANEL OPERABLE PARTITION
10.09 STAINLESS STEEL THRU-WALL BOOK DROP
10.10 RECESSED WALK OFF MAT - DEPRESS SLAB - REF. STRUCT. DWGS
10.13 2 TIER LOCKER TYP.
10.15 POCKET DOORS BY OPERABLE PARTITION MANUFACTURER - PAINT TO MATCH ADJACENT WALL SURFACE
11.02 NON-COMMERCIAL REFRIGERATOR, PROVIDED AND INSTALLED BY OWNER
22.01 FLOOR DRAIN - DEPRESS CONCRETE SLAB 2" & SLOPE FLOOR TILE MIN. 1/4:12 - REF. PLUMBING DWGS.
22.02 WATER HEATER - REF. PLUMBING DWGS. - SET W/H IN 24 GA. GALV. SHEET METAL PAN, SIZED TO FIT ALCOVE w/ 2"H PERIMETER DAMS, SOLDER JOINTS SOLID - SET ATOP A SHELF FRAMED w/ 3/4" CD-X PLYWD. ov/ 2x6 D.F. JOISTS
22.03 MOP SINK - REF. PLUMBING DWGS.
22.05 SOLID SURFACE TROUGH SINK w/ INTEGRAL SHROUD - REF. PLUMBING DRAWINGS



NOTATION FLOOR PLAN
1/8" = 1'-0"

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
Walnut Park Library
2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

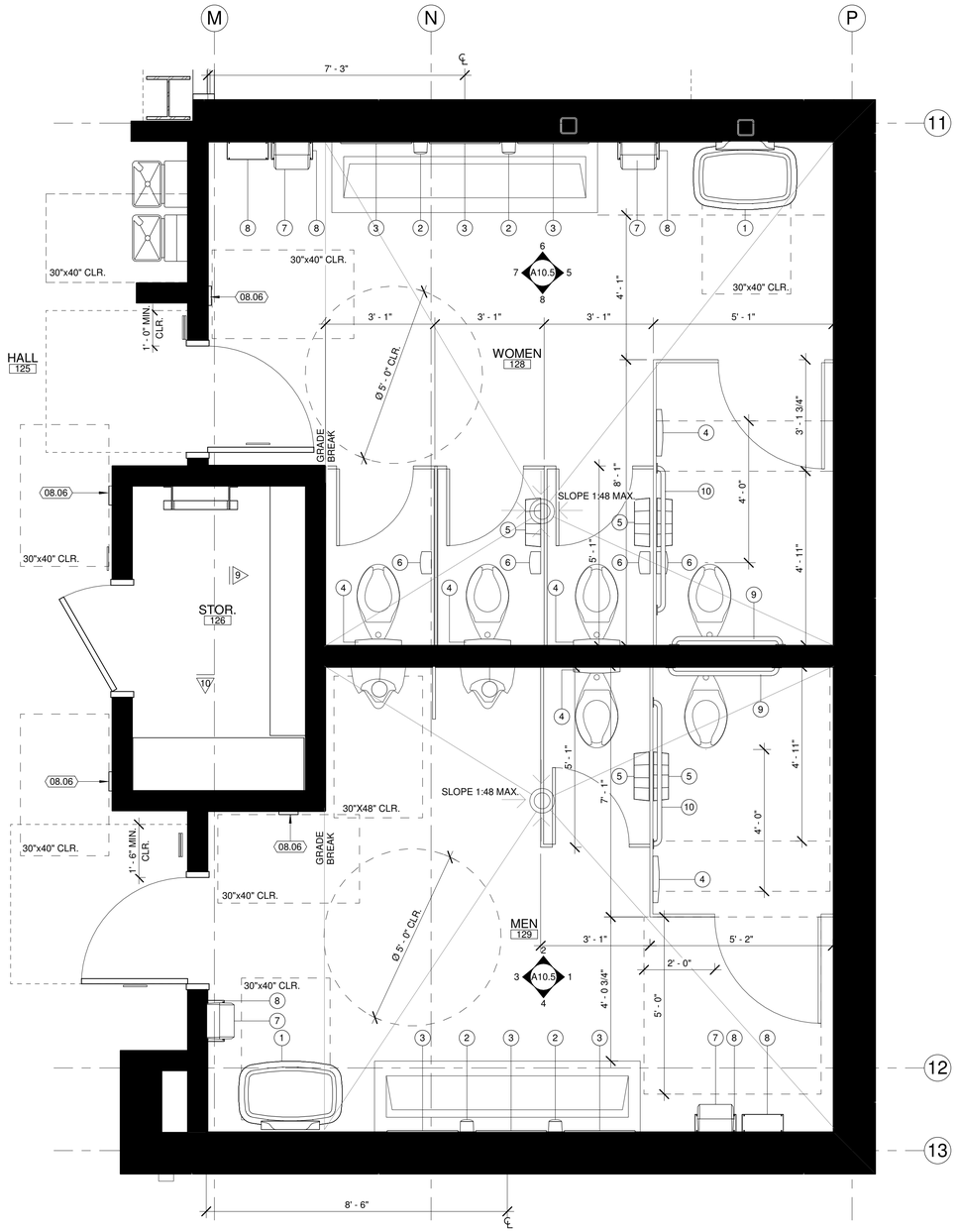
LICENSED ARCHITECT SAMUEL G. WHITE C-34717 STATE OF CALIFORNIA
NOT FOR CONSTRUCTION
5-31-25

08.23.24	BID SET

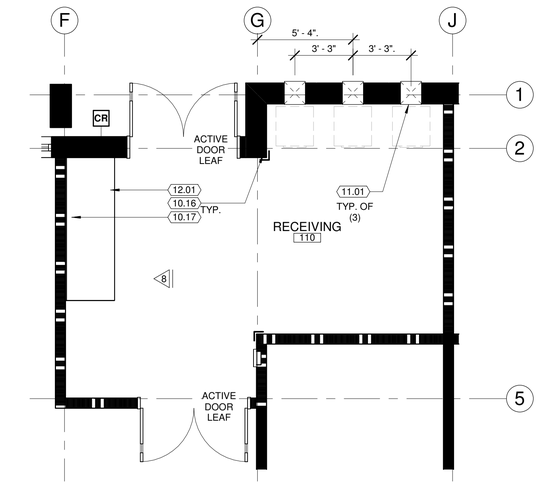
NOTATION PLAN

A2.2

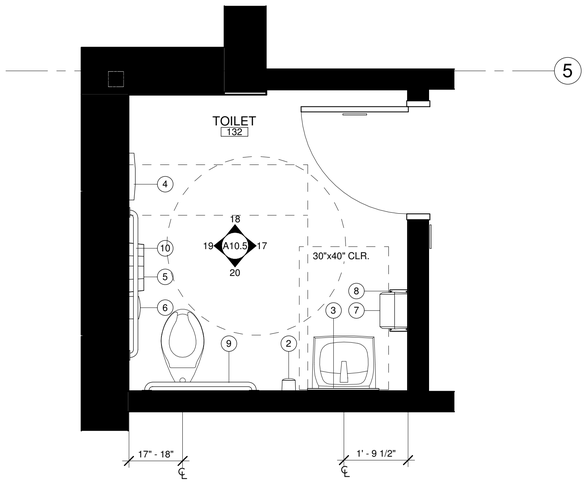
8/26/2024 3:28:08 PM Copyright WMB, Inc.



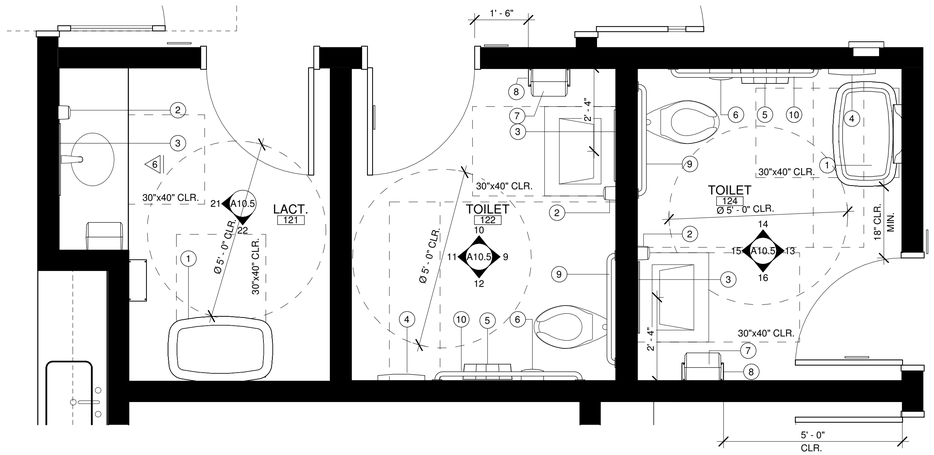
1 ENLARGED RESTROOMS 128 & 129
1/2" = 1'-0"



4 ENLARGED PLAN - RECEIVING
1/4" = 1'-0"



2 ENLARGED RESTROOM 132
1/2" = 1'-0"



3 ENLARGED RESTROOMS 121, 122, & 124
1/2" = 1'-0"

LEGEND

1 RESTROOM ACCESSORY NO. - REF. SCHEDULE

1 CABINET ELEVATION - REF. A11.1

GENERAL NOTES

1. DIMENSIONS SHOWN ARE TO FACE OF FINISH, U.O.N.
2. REFER TO SHEET 1 / T3.2 FOR POSTED SIGNAGE
3. REFER TO SHEETL / T3.1 FOR MOUNTING HEIGHTS, CLEARANCES, AND ADDITIONAL REQUIREMENTS FOR ACCESSIBILITY
4. PROVIDE ADEQUATE WALL BLOCKING FOR WALL-MOUNTED ACCESSORIES PER DETAIL B / A6.3
5. PLUMBING FIXTURES SHOWN FOR COORDINATION PURPOSES ONLY. REFER TO PLUMBING DRAWINGS FOR FIXTURE SPECIFICATIONS.

KEYNOTES

08.06 LOW VOLTAGE DOOR OPERATOR ACTIVATOR BAR
10.16 48"H CORNER GUARD, TYP.
10.17 4'x8' STAINLESS STEEL WALL CLADDING PANEL
11.01 STAINLESS STEEL BOOK RETURN SLOT & CHUTE
12.01 30" DEEP STAINLESS STEEL COUNTERTOP

RESTROOM ACCESSORIES

NO.	ITEM	TYPE	MANUFACTURER	MODEL
1	HORIZONTAL BABY CHANGING STATION	SURFACE MOUNTED	KOALA KARE	H-9600
2	SOAP DISPENSER	SURFACE MOUNTED	BUCKEYE SYMMETRY	10119210
3	FRAME MIRROR	SURFACE MOUNTED	BOBRICK	B-165 2436
3	PLATE GLASS MIRROR	VERIFY HEIGHT & WIDTH		
4	TOILET SEAT COVER DISPENSER	SURFACE MOUNTED	BOBRICK	B-4221
5	TOILET PAPER DISPENSER	SURFACE MOUNTED	TORK	SC-56TR
6	SANITARY NAPKIN RECEPTACLE	SURFACE MOUNTED	HOSPECO	T9FB2685329
7	PAPER TOWEL DISPENSER	SURFACE MOUNTED	PRO-LINK	PLK-77279
8	CLASSIC SERIES SURFACE MOUNTED WASTE RECEPTACLE	SURFACE MOUNTED	BOBRICK	B-279
8	MECHANICAL HAND TOWEL ROLL DISPENSEr OWNER PROVIDES, CONTRACTOR INSTALLS		TORK	772728
9	GRAB BAR	SURFACE MOUNTED	BOBRICK	B-6806 x 36
10	GRAB BAR	SURFACE MOUNTED	BOBRICK	B-6806 x 48

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
Walnut Park Library
2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

SAMUEL G. MCCLELLAN
LICENSED ARCHITECT
C-31647
STATE OF CALIFORNIA
NOT FOR CONSTRUCTION
EXP. 08-31-25

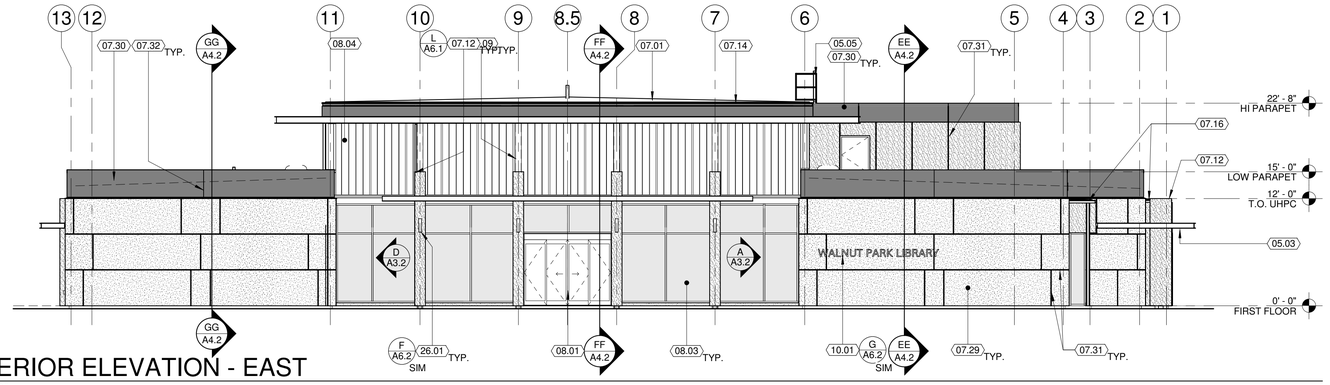
08.23.24	BID SET

ENLARGED RESTROOMS PLANS

A2.3

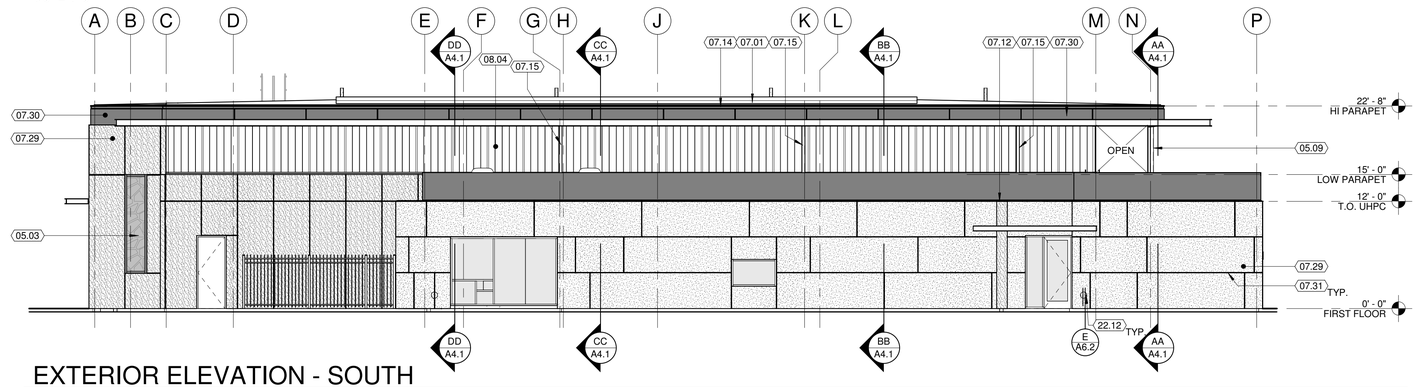
8/26/2024 3:28:10 PM

Copyright WMB, Inc.



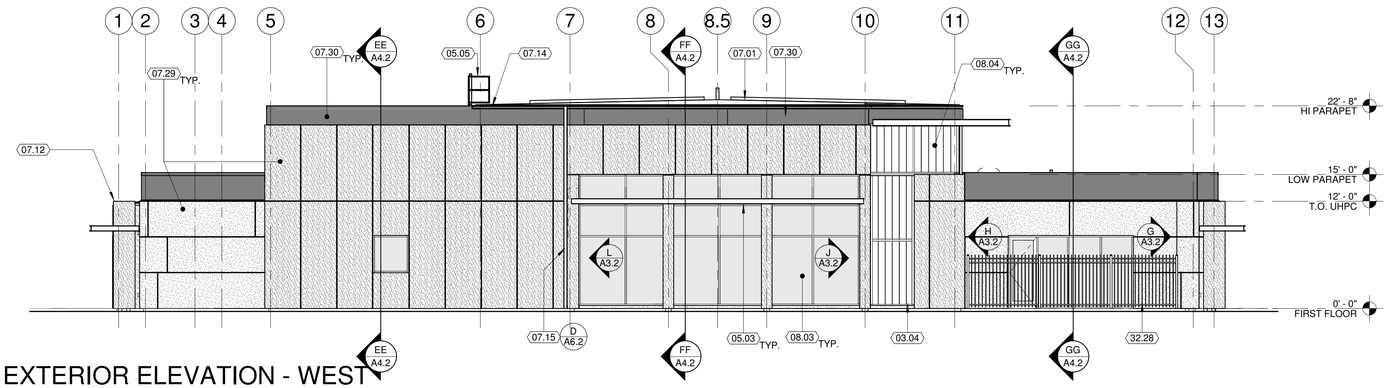
EXTERIOR ELEVATION - EAST

1/8" = 1'-0"



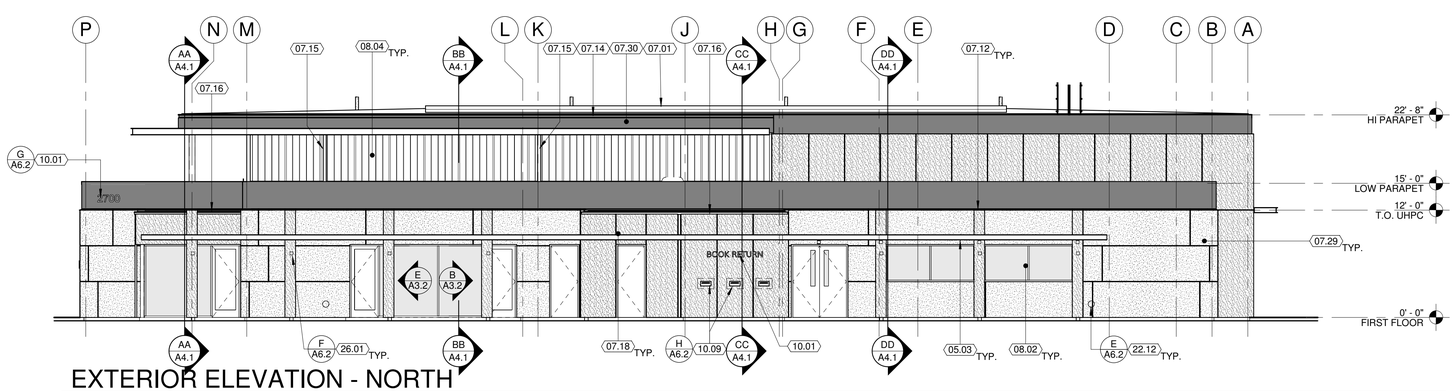
EXTERIOR ELEVATION - SOUTH

1/8" = 1'-0"



EXTERIOR ELEVATION - WEST

1/8" = 1'-0"



EXTERIOR ELEVATION - NORTH

1/8" = 1'-0"

KEYNOTES

03.04	CONCRETE CURB
05.03	STABILIZED ALUMINUM FOAM PANELS ADHERED ov/ ALUM. ZEE FRAMING
05.05	WALL MOUNTED ALUMINUM LADDER WITH WALK THRU
05.09	STEEL COLUMN. REF. STRUCT. DWGS. -PAINT-
07.01	SINGLE PLY ROOFING MEMBRANE ov/ ½" COVER BD.
07.12	24 GA. PRE-FINISHED SLOPED CAP FLASHING AT FINS
07.14	24 GA. PRE-FINISHED SHEET METAL GUTTER FORMED FROM SHEET STOCK TO MATCH ACM
07.15	3"x4" 24 GA. PREFINISHED SHEET METAL DOWNSPOUT FORMED FROM SHEET STOCK TO MATCH ACM - DAYLIGHT TO LOW ROOF. FASTEN ABOVE AND BELOW TO SPAN TRANSULCENT PANEL CLERESTORY WHERE OCCURS.
07.16	24 GA. PRE-FINISHED SHEET METAL GUTTER
07.18	PREFINISHED CANOPY FASCIA FORMED FROM FLAT STOCK TO MATCH ACM
07.29	ULTRA HIGH PERFORMANCE CONCRETE CLADDING PANELS ov/ CLADDING SUPPORT SYSTEM.
07.30	ALUMINUM COMPOSITE MATERIAL CLADDING PANELS ov/ CLADDING SUPPORT SYSTEM.
07.31	1/2" OPEN CAVITY RAINSCREEN JOINT
07.32	1/2" ACM REVEAL. JOINT @ 8'-0" O.C. AT HI PARAPET, JOINT @ 12' 0.C. AT LOW PARAPET.
08.01	DOOR, PER PLAN & SCHEDULE
08.02	WINDOW, PER PLAN & SCHEDULE
08.03	GLAZED FRAME SYSTEM, PER PLAN & SCHEDULE
08.04	FIBERGLASS SANDWICH PANEL TRANSLUCENT WALL SYSTEM
10.01	10" HIGH DIMENSIONAL ALUM. LETTERS w/ FLUSH STANDOFF MOUNT - COLOR MATCH PAINT COLOR
10.09	STAINLESS STEEL THRU-WALL BOOK DROP
22.12	ROOF OVERFLOW TERMINATION - REF. PLUMBING DWGS.
26.01	LIGHT FIXTURE - REF. ELECTRICAL DWGS.
32.28	6 FT. HIGH DECORATIVE IRON FENCE

EXTERIOR FINISH LEGEND

UHPC1 — **UHPC1** - ULTRA HIGH PERFORMANCE CONCRETE PANELS. TAKTL KORSA w/CONCEALED FASTENERS. TEXTURE- CRINKLE. COLOR- WHITE 87. AGGREGATE -A03. FINISH-MEDIABLAST. SEALER-MICROSEAL.

UHPC2 — **UHPC2** - ULTRA HIGH PERFORMANCE CONCRETE PANELS. TAKTL w/CONCEALED FASTENERS. TEXTURE- ARBOS. COLOR- TERRACOTTA 52. FINISH-MEDIABLAST. SEALER-MICROSEAL. PATTERN DIRECTION: VERTICAL

ACM1 — **ACM1** - ALUMINUM COMPOSITE MATERIAL PANELS. BASIS OF DESIGN-CMC SERIES 20. FACE METAL- ALFREX METAL SERIES FAUX ZINC LITE JY-M130. EXPOSED METAL FLASHINGS/TRANSITIONS FORMED FROM MATCHING 24 GA SHEET STOCK.

GLAZING - REF. A8.2

TWP1 - TRANSLUCENT WALL PANELS. KALWALL VERTIKAL FIBERGLASS SANDWICH PANELS TRANSLUCENT WALL SYSTEM. WHITE EXTERIOR. WHITE INTERIOR. METAL EXTRUSIONS AS SELECTED FROM MANF. COLOR RANGE.

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY

Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED ARCHITECT SAMUEL G. [illegible] 31-25 STATE OF CALIFORNIA

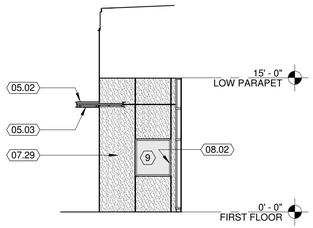
NOT FOR CONSTRUCTION

08.23.24	BID SET

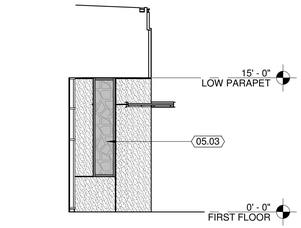
EXTERIOR ELEVATIONS

A3.1

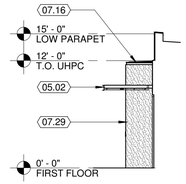
8/26/2024 3:28:15 PM Copyright WMB, Inc.



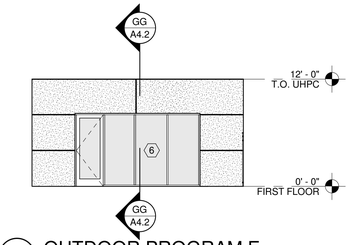
L FOCAL GARDEN N
1/8" = 1'-0"



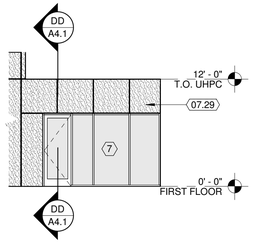
J FOCAL GARDEN S
1/8" = 1'-0"



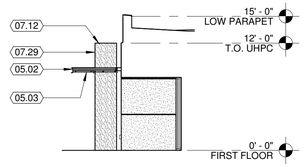
F BOOK RETURN W
1/8" = 1'-0"



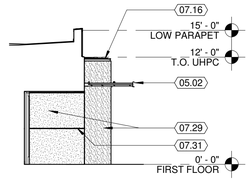
K OUTDOOR PROGRAM E
1/8" = 1'-0"



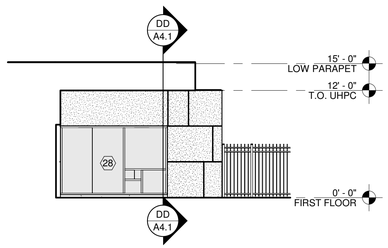
H OUTDOOR PROGRAM N
1/8" = 1'-0"



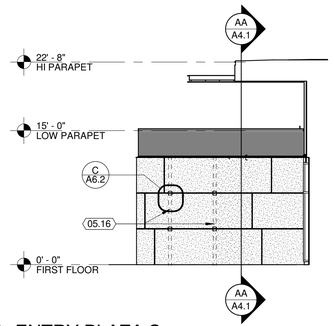
E COMMUNITY ROOM ALCOVE E
1/8" = 1'-0"



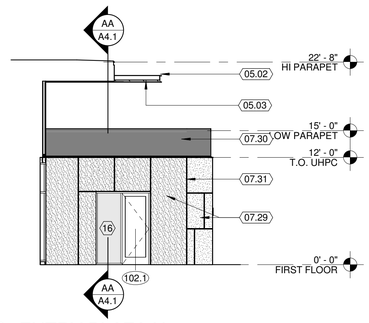
B COMMUNITY ROOM ALCOVE W
1/8" = 1'-0"



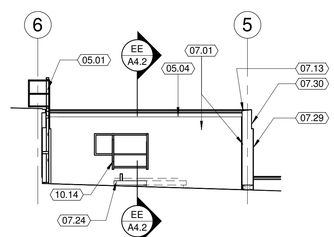
G OUTDOOR PROGRAM S
1/8" = 1'-0"



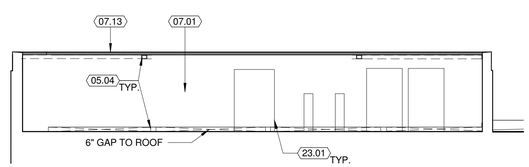
D ENTRY PLAZA S
1/8" = 1'-0"



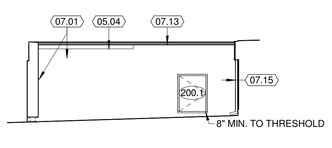
A ENTRY PLAZA N
1/8" = 1'-0"



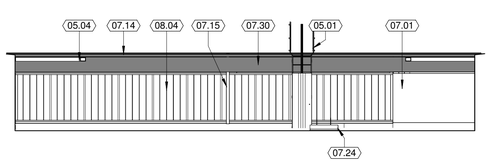
P MECH WELL - WEST
1/8" = 1'-0"



N MECH WELL - NORTH
1/8" = 1'-0"



M MECH WELL - EAST
1/8" = 1'-0"



Q MECH. WELL - SOUTH
1/8" = 1'-0"

KEYNOTES

05.01	WALL MOUNTED ROOF ACCESS LADDER
05.02	CANOPY FRAMING. REF. STRUCT. DWGS.
05.03	STABILIZED ALUMINUM FOAM PANELS ADHERED ov/ ALUM. ZEE FRAMING
05.04	PARAPET BRACE. REF. STRUCT. DWGS.
05.16	STEEL POST IN WALL w/ HSS4x4 OUTRIGGER w/ 6"SQ 1/4 PL @ +48" & +96" CENTERED ON PANEL JOINT
07.01	SINGLE PLY ROOFING MEMBRANE ov/ ½" COVER BD.
07.12	24 GA. PRE-FINISHED SLOPED CAP FLASHING AT FINS
07.13	24 GA. GALV. SHEET METAL SLOPED PARAPET CAP FLASHING BEHIND ACM PARAPET FACE.
07.14	24 GA. PRE-FINISHED SHEET METAL GUTTER FORMED FROM SHEET STOCK TO MATCH ACM
07.15	3"x4" 24 GA. PREFINISHED SHEET METAL DOWNSPOUT FORMED FROM SHEET STOCK TO MATCH ACM - DAYLIGHT TO LOW ROOF. FASTEN ABOVE AND BELOW TO SPAN TRANSULCENT PANEL CLERESTORY WHERE OCCURS.
07.16	24 GA. PRE-FINISHED SHEET METAL GUTTER
07.24	ALUMINUM SLIDING ROOF HATCH WITH FRAME
07.29	ULTRA HIGH PERFORMANCE CONCRETE CLADDING PANELS ov/ CLADDING SUPPORT SYSTEM.
07.30	ALUMINUM COMPOSITE MATERIAL CLADDING PANELS ov/ CLADDING SUPPORT SYSTEM.
07.31	1/2" OPEN CAVITY RAINSCREEN JOINT
08.02	WINDOW, PER PLAN & SCHEDULE
08.04	FIBERGLASS SANDWICH PANEL TRANSLUCENT WALL SYSTEM
10.14	ROOF HATCH PERIMETER SAFETY RAILING
23.01	HVAC EQUIPMENT - REF. MECH. DWGS.

EXTERIOR FINISH LEGEND

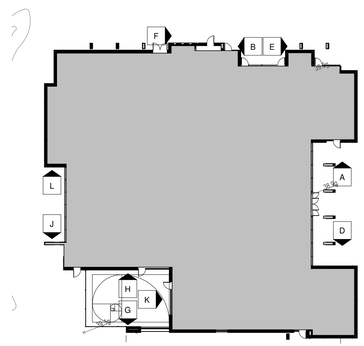
UHPC1 — **UHPC1** - ULTRA HIGH PERFORMANCE CONCRETE PANELS. TAKTL KORSA w/CONCEALED FASTENERS. TEXTURE- CRINKLE. COLOR- WHITE 87. AGGREGATE -A03. FINISH-MEDIABLAST. SEALER-MICROSEAL.

UHPC2 — **UHPC2** - ULTRA HIGH PERFORMANCE CONCRETE PANELS. TAKTL w/CONCEALED FASTENERS. TEXTURE- ARBOS. COLOR- TERRACOTTA 52. FINISH-MEDIABLAST. SEALER-MICROSEAL. PATTERN DIRECTION: VERTICAL

ACM1 — **ACM1** - ALUMINUM COMPOSITE MATERIAL PANELS. BASIS OF DESIGN-CMC SERIES 20. FACE METAL- ALFREX METAL SERIES FAUX ZINC LITE JY-M130. EXPOSED METAL FLASHINGS/TRANSITIONS FORMED FROM MATCHING 24 GA SHEET STOCK.

GLAZING - REF. A8.2

TWP1 - TRANSLUCENT WALL PANELS. KALWALL VERTIKAL FIBERGLASS SANDWICH PANELS TRANSLUCENT WALL SYSTEM. WHITE EXTERIOR. WHITE INTERIOR. METAL EXTRUSIONS AS SELECTED FROM MANF. COLOR RANGE.



ELEVATION KEY PLAN

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY

Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED ARCHITECT SAMUEL G. WILLIAMS 31-25 STATE OF CALIFORNIA

NOT FOR CONSTRUCTION

08.23.24	BID SET

PARTIAL ELEVATIONS

A3.2

8/26/2024 3:28:18 PM

Copyright WMB, Inc.



PERSPECTIVE FROM SIDEWALK AT PARKING
(FOR REFERENCE ONLY)



PERSPECTIVE FROM SOUTHWEST
(FOR REFERENCE ONLY)



PERSPECTIVE FROM SOUTH
(FOR REFERENCE ONLY)



PERSPECTIVE AT COMMUNITY TERRACE
(FOR REFERENCE ONLY)

WMB
ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY
LIBRARY

Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED ARCHITECT
SAMUEL G. WOOD
No. C-34147
EXP. 5-31-25
STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

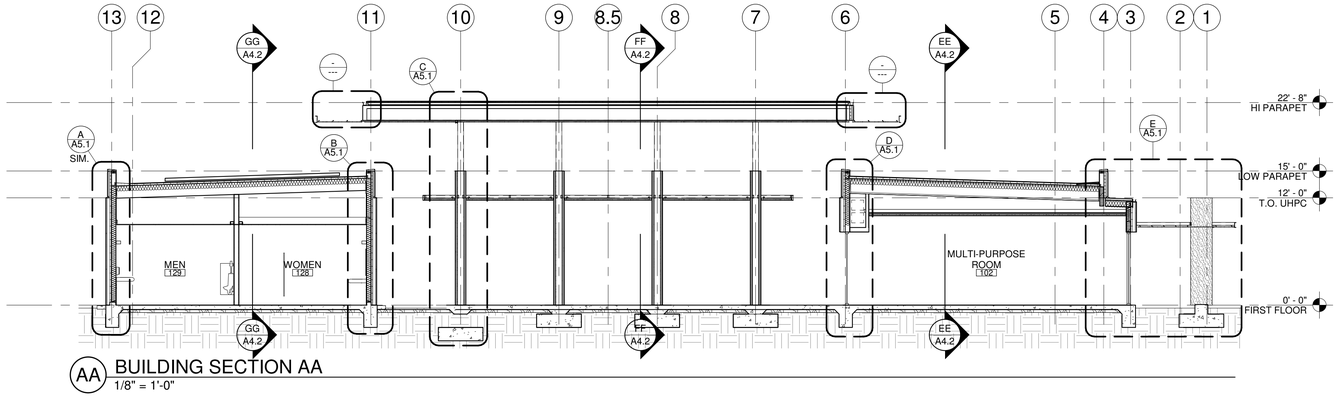
08.23.24	BID SET

PERSPECTIVE RENDERINGS

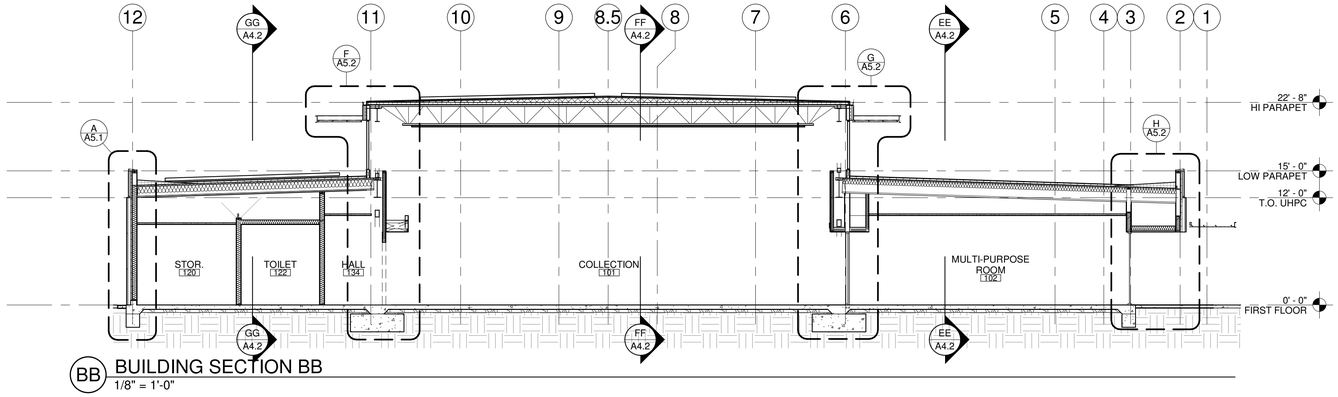
A3.3

8/26/2024 3:28:19 PM

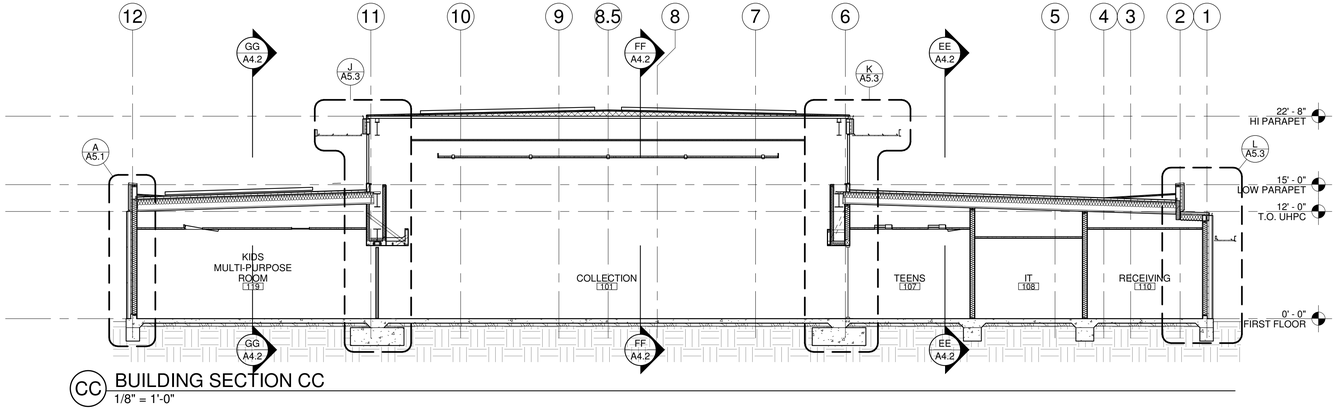
Copyright WMB, Inc.



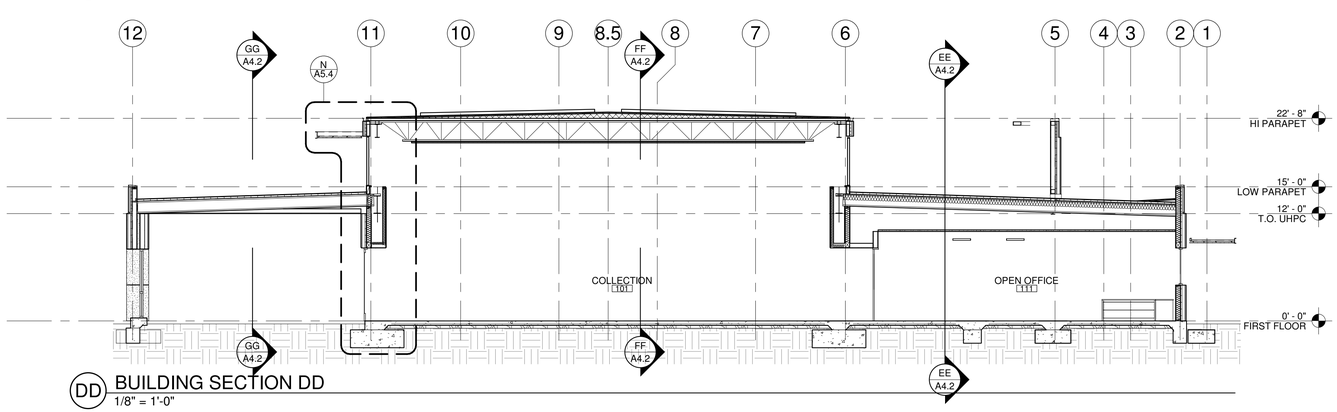
AA BUILDING SECTION AA
1/8" = 1'-0"



BB BUILDING SECTION BB
1/8" = 1'-0"



CC BUILDING SECTION CC
1/8" = 1'-0"



DD BUILDING SECTION DD
1/8" = 1'-0"

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY

Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED ARCHITECT SAMUEL G. WILLIAMS No. C-34147 STATE OF CALIFORNIA
NOT FOR CONSTRUCTION
5-31-25

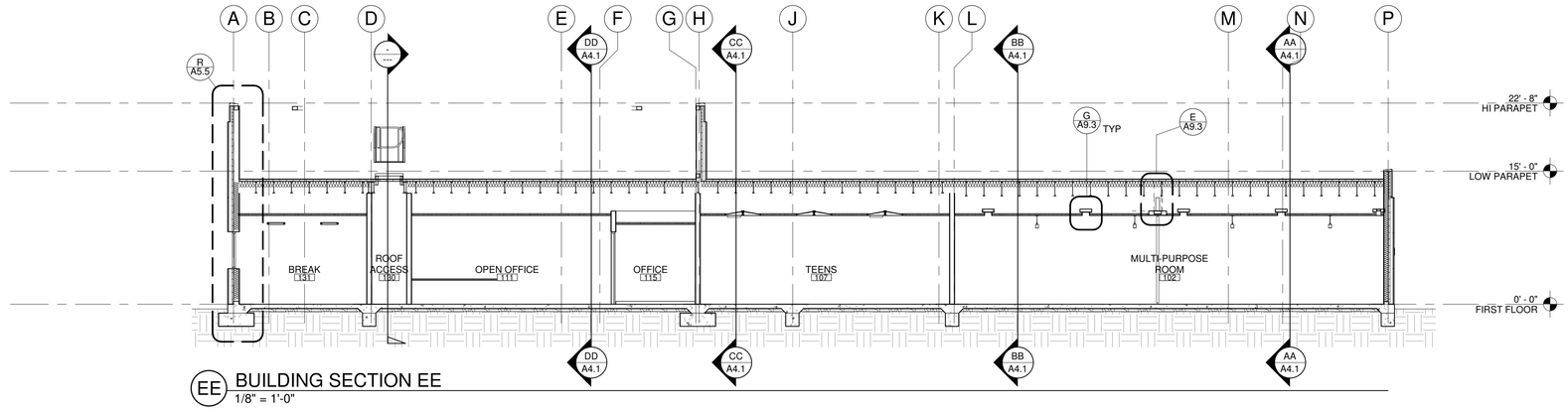
08.23.24	BID SET

BUILDING SECTIONS

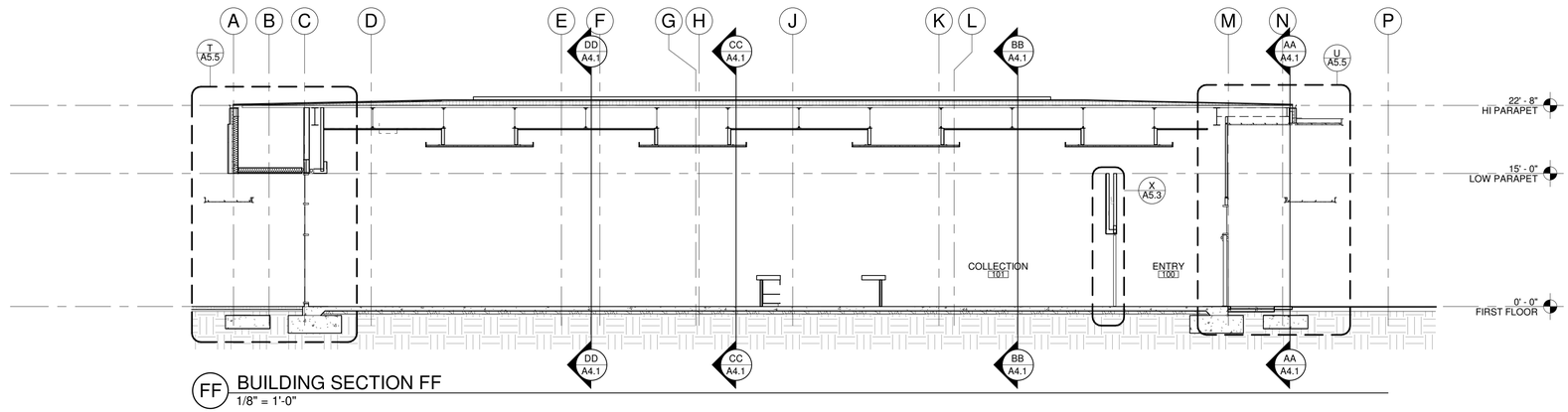
A4.1

8/26/2024 3:28:20 PM

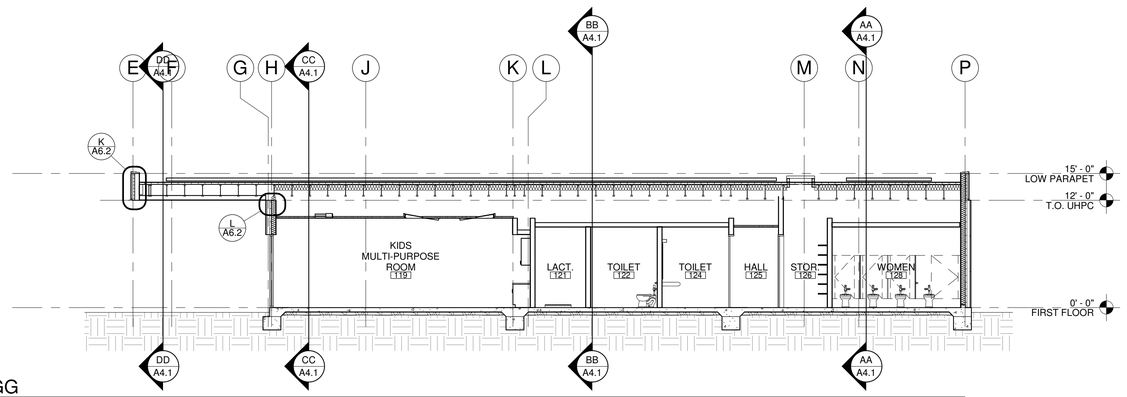
Copyright WMB, Inc.



EE BUILDING SECTION EE
1/8" = 1'-0"



FF BUILDING SECTION FF
1/8" = 1'-0"



GG BUILDING SECTION GG
1/8" = 1'-0"

WMB
ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY
LIBRARY

Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED ARCHITECT
SAMUEL G. WILLIAMS
STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

08.23.24	BID SET

BUILDING SECTIONS

A4.2

8/26/2024 3:28:21 PM

Copyright WMB, Inc.

INTERIOR WALL SCHEDULE

NO.	CORE	INSUL.	WALLBOARD	EXTENT	F.R.
1	2x6 D.F. STUDS @ 16" O.C.	ACOUST. F.G. BATT.	5/8" GYP. BD. BOTH SIDES	CORE, INSUL. & WALLBD. ONE SIDE TO UNDERSIDE OF ROOF DECK; WALLBD. ONE SIDE TO 6" ABOVE FINISH CEILING	-
2	2x4 D.F. STUDS @ 16" O.C.	ACOUST. F.G. BATT.	5/8" GYP. BD., EXPOSED SIDE	CORE, INSUL. & WALLBD. TO 6" ABOVE FINISH CEILING	-
3	2X4 DF STUDS @ 16" O.C.	ACOUST. F.G. BATT.	5/8" GYP. BD. BOTH SIDES	CORE, INSUL. & WALLBD. TO 6" ABOVE FINISH CEILING	-
4	2x6 D.F. STUDS @ 16" O.C.	ACOUST. F.G. BATT.	5/8" TYPE 'X' GYP. BD. BOTH SIDES	CORE, INSUL. & WALLBD. TO UNDERSIDE OF ROOF DECK	1 HR. UL U305

(1) INTERIOR SHEAR PLY NOT INDICATED - COORDINATE LOCATIONS w/ STRUCTURAL DRAWINGS
(2) PROVIDE MOISTURE-RESISTANT GYP. BD. AT ALL WET LOCATIONS AND/OR TO RECEIVE WALL TILE - REF. A10.1
(3) CONSTRUCT WALL TYPE 4 IN ACCORDANCE w/ DETAILS G, H, J, K, & L ON A6.3.

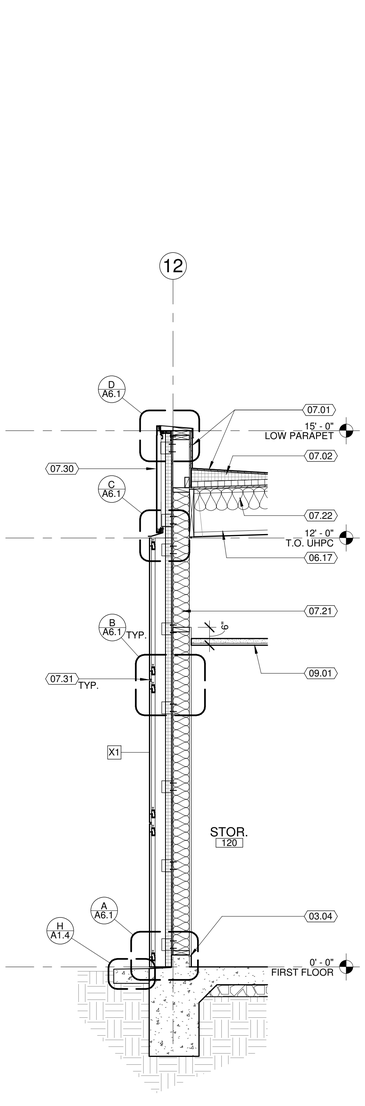
EXTERIOR WALL SCHEDULE

NO.	CORE	SHEATHING	CORE INSUL.	CONT. INSUL.	WEATHER BARRIER	FINISH	
						INT.	EXT.
X1	2x6 D.F. STUDS @ 16" O.C.	PLYWOOD, PER STRUCT. DWGS.	R22 M.W. BATT	2" R8.6 SEMI-RIGID STONE WOOL BOARD w/ BLACK MAT FACER	SELF ADHERED AIR AND WATER BARRIER	5/8" GYP. BD.	HORIZONTAL UHPC-1 PANELS ov/ THERMALLY BROKEN CLADDING SUPPORT SYSTEM. ACM-1 ACCENT WHERE OCCURS PER ELEVATION
X2	2x6 D.F. STUDS @ 16" O.C.	PLYWOOD, PER STRUCT. DWGS.	-	-	SELF ADHERED AIR AND WATER BARRIER	-	HORIZONTAL UHPC-1 PANELS ov/ THERMALLY BROKEN CLADDING SUPPORT SYSTEM. ACM-1 ACCENT WHERE OCCURS PER ELEVATION
X3	2x6 D.F. STUDS @ 16" O.C.	PLYWOOD, PER STRUCT. DWGS.	R22 M.W. BATT	2" R8.6 SEMI-RIGID STONE WOOL BOARD w/ BLACK MAT FACER	SELF ADHERED AIR AND WATER BARRIER	5/8" GYP. BD.	VERTICAL UHPC-2 PANELS ov/ THERMALLY BROKEN CLADDING SUPPORT SYSTEM. ACM-1 ACCENT WHERE OCCURS PER ELEVATION
X4	2x8 D.F. STUDS, PER STRUCT. DWGS.	PLYWOOD, PER STRUCT. DWGS.	R22 M.W. BATT	2" R8.6 SEMI-RIGID STONE WOOL BOARD w/ BLACK MAT FACER	SELF ADHERED AIR AND WATER BARRIER	5/8" GYP. BD.	VERTICAL UHPC-2 PANELS ov/ THERMALLY BROKEN CLADDING SUPPORT SYSTEM. ACM-1 ACCENT WHERE OCCURS PER ELEVATION

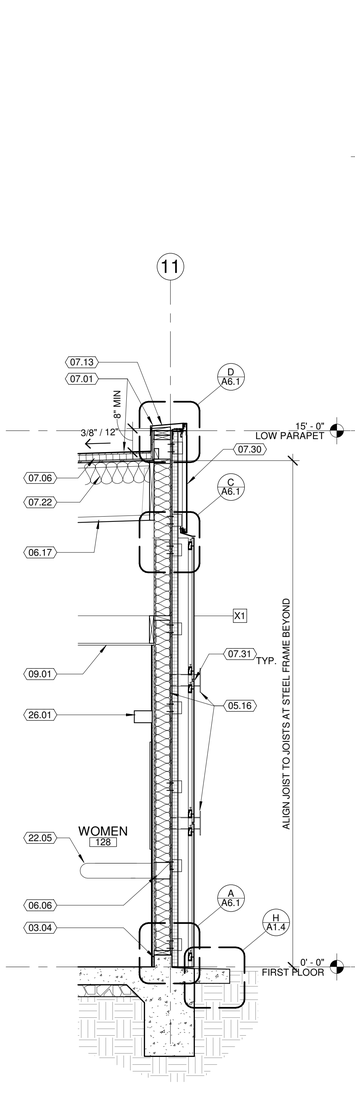
(1) WHERE THE STRUCTURAL DRAWINGS DO NOT INDICATE SHEATHING, PROVIDE 1/2" PLYWOOD

KEYNOTES

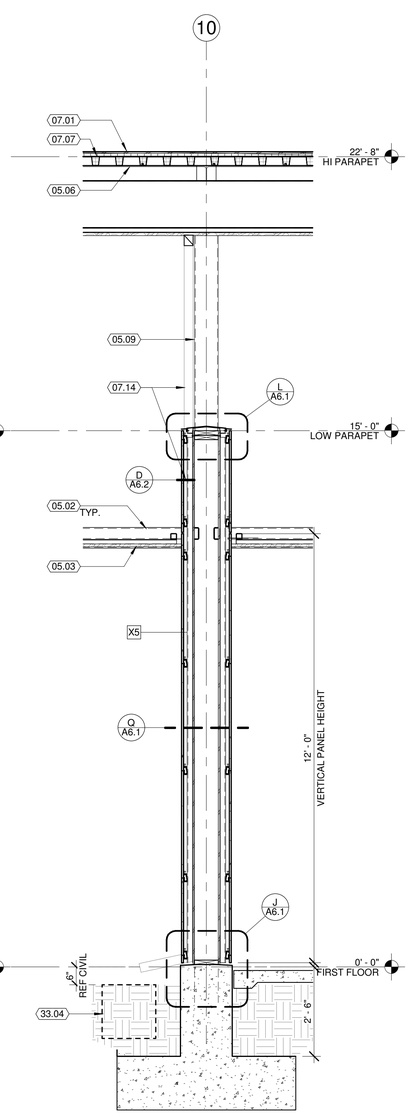
03.04 CONCRETE CURB
05.02 CANOPY FRAMING. REF. STRUCT. DWGS.
05.03 STABILIZED ALUMINUM FOAM PANELS ADHERED ov/ ALUM. ZEE FRAMING
05.06 STEEL FRAME. REF. STRUCT. DWGS.
05.09 STEEL COLUMN. REF. STRUCT. DWGS. -PAINT-
05.16 STEEL POST IN WALL w/ HSS4x4 OUTRIGGER w/ 6"SQ 1/4 PL @ +48" & +96" CENTERED ON PANEL JOINT
06.06 2X4 BLOCKING
06.17 ROOF JOISTS REF. STRUCT DWGS.
06.18 WEB FILLER - REF. STRUCT. DWGS.
07.01 SINGLE PLY ROOFING MEMBRANE ov/ ½" COVER BD.
07.02 CRICKET FORMED w/ TAPERED RIGID MINERAL WOOL INSULATION
07.06 2" HIGH DENSITY STONE WOOL INSULATION BOARD.
07.07 SLOPE FORMED w/ TAPERED RIGID MINERAL WOOL INSULATION w/ FLUTE FILLER INSULATION.
07.11 PRE-FINISHED STANDING SEAM METAL ROOFING ov/ S.A. ROOF UNDERLAYMENT ov/ 1" BONDED SHEATHING RIGID NAIL BASE INSUL.
07.13 24 GA. GALV. SHEET METAL SLOPED PARAPET CAP FLASHING BEHIND ACM PARAPET FACE.
07.14 24 GA. PRE-FINISHED SHEET METAL GUTTER FORMED FROM SHEET STOCK TO MATCH ACM
07.21 R22 MINERAL WOOL BATT INSULATION
07.22 UNFACED R-30 MINERAL WOOL BATT INSULATION
07.29 ULTRA HIGH PERFORMANCE CONCRETE CLADDING PANELS ov/ CLADDING SUPPORT SYSTEM.
07.30 ALUMINUM COMPOSITE MATERIAL CLADDING PANELS ov/ CLADDING SUPPORT SYSTEM.
07.31 1/2" OPEN CAVITY RAINSCREEN JOINT
09.01 5/8" GYPSUM BOARD
09.10 2x4 SUSPENDED T-BAR CEILING - REF. FINISH SCHEDULE FOR CEILING TILE
09.14 5/8" GYP. BD. ov/ 2X TYPICAL SOFFIT FRAMING - REF. STRUCT. DWGS
22.05 SOLID SURFACE TROUGH SINK w/ INTEGRAL SHROUD - REF. PLUMBING DRAWINGS
23.04 HVAC DUCTWORK - REF. MECH. DWGS.
26.01 LIGHT FIXTURE - REF. ELECTRICAL DWGS.
33.04 AREA DRAIN - REF. CIVIL DWGS.



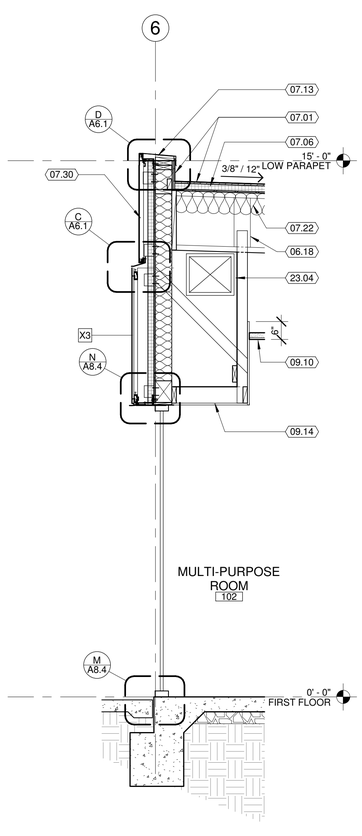
A WALL SECTION A
1/2" = 1'-0"



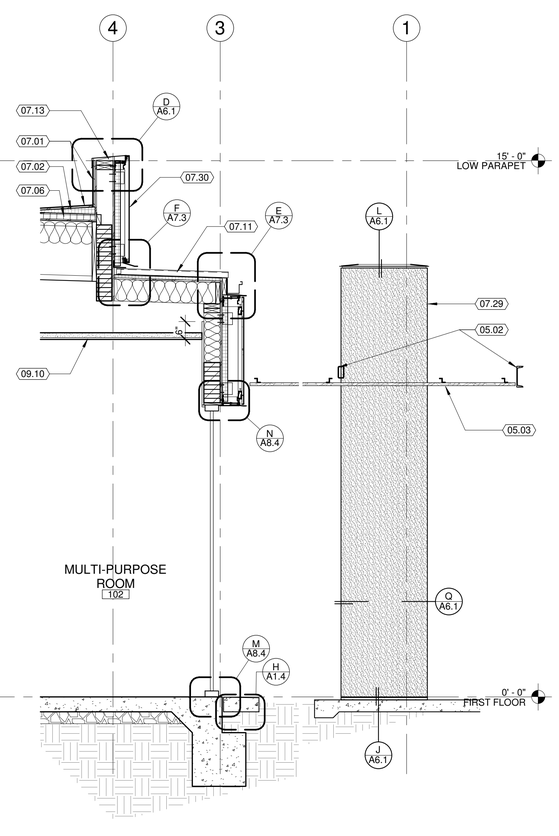
B WALL SECTION B
1/2" = 1'-0"



C WALL SECTION C
1/2" = 1'-0"



D WALL SECTION D
1/2" = 1'-0"



E WALL SECTION E
1/2" = 1'-0"

WMB ARCHITECTS
5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
Walnut Park Library
2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED ARCHITECT SAMUEL G. WMB C-31647 5-31-25 STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

08.23.24	BID SET

WALL SECTIONS

A5.1

8/26/2024 3:28:24 PM

Copyright WMB, Inc.

INTERIOR WALL SCHEDULE

NO.	CORE	INSUL.	WALLBOARD	EXTENT	F.R.
1	2x6 D.F. STUDS @ 16" O.C.	ACOUST. F.G. BATT.	5/8" GYP. BD. BOTH SIDES	CORE, INSUL. & WALLBD. ONE SIDE TO UNDERSIDE OF ROOF DECK; WALLBD. ONE SIDE TO 6" ABOVE FINISH CEILING	-
2	2x4 D.F. STUDS @ 16" O.C.	ACOUST. F.G. BATT.	5/8" GYP. BD., EXPOSED SIDE	CORE, INSUL. & WALLBD. TO 6" ABOVE FINISH CEILING	-
3	2X4 DF STUDS @ 16" O.C.	ACOUST. F.G. BATT.	5/8" GYP. BD. BOTH SIDES	CORE, INSUL. & WALLBD. TO 6" ABOVE FINISH CEILING	-
4	2x6 D.F. STUDS @ 16" O.C.	ACOUST. F.G. BATT.	5/8" TYPE 'X' GYP. BD. BOTH SIDES	CORE, INSUL. & WALLBD. TO UNDERSIDE OF ROOF DECK	1 HR. UL U305

(1) INTERIOR SHEAR PLY NOT INDICATED - COORDINATE LOCATIONS w/ STRUCTURAL DRAWINGS
(2) PROVIDE MOISTURE-RESISTANT GYP. BD. AT ALL WET LOCATIONS AND/OR TO RECEIVE WALL TILE - REF. A10.1
(3) CONSTRUCT WALL TYPE 4 IN ACCORDANCE w/ DETAILS G, H, J, K, & L ON A6.3.

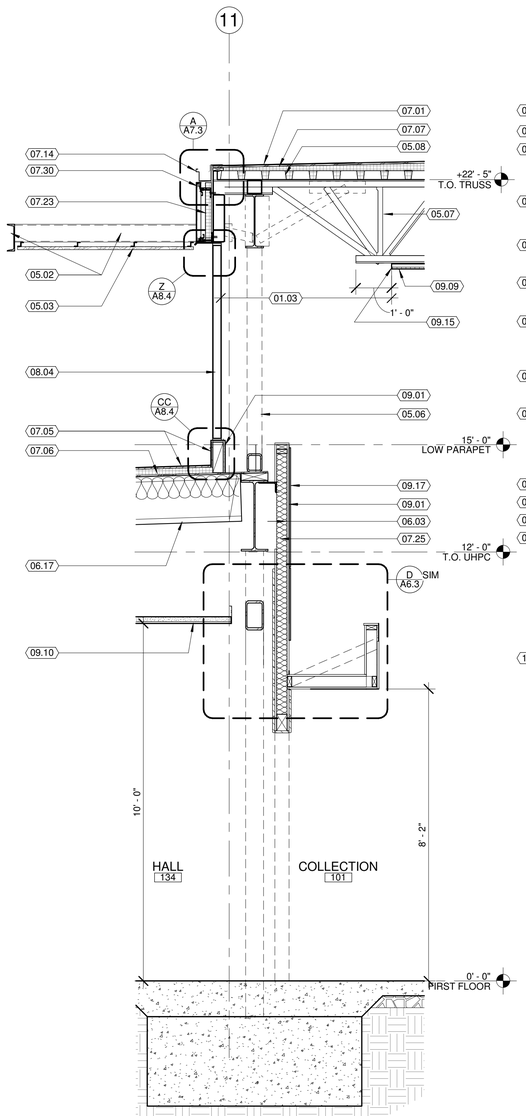
EXTERIOR WALL SCHEDULE

NO.	CORE	SHEATHING	CORE INSUL.	CONT. INSUL.	WEATHER BARRIER	FINISH	
						INT.	EXT.
X1	2x6 D.F. STUDS @ 16" O.C.	PLYWOOD, PER STRUCT. DWGS.	R22 M.W. BATT	2" R8.6 SEMI-RIGID STONE WOOL BOARD w/ BLACK MAT FACER	SELF ADHERED AIR AND WATER BARRIER	5/8" GYP. BD.	HORIZONTAL UHPC-1 PANELS ov/ THERMALLY BROKEN CLADDING SUPPORT SYSTEM. ACM-1 ACCENT WHERE OCCURS PER ELEVATION
X2	2x6 D.F. STUDS @ 16" O.C.	PLYWOOD, PER STRUCT. DWGS.	-	-	SELF ADHERED AIR AND WATER BARRIER	-	HORIZONTAL UHPC-1 PANELS ov/ THERMALLY BROKEN CLADDING SUPPORT SYSTEM. ACM-1 ACCENT WHERE OCCURS PER ELEVATION
X3	2x6 D.F. STUDS @ 16" O.C.	PLYWOOD, PER STRUCT. DWGS.	R22 M.W. BATT	2" R8.6 SEMI-RIGID STONE WOOL BOARD w/ BLACK MAT FACER	SELF ADHERED AIR AND WATER BARRIER	5/8" GYP. BD.	VERTICAL UHPC-2 PANELS ov/ THERMALLY BROKEN CLADDING SUPPORT SYSTEM. ACM-1 ACCENT WHERE OCCURS PER ELEVATION
X4	2x8 D.F. STUDS, PER STRUCT. DWGS.	PLYWOOD, PER STRUCT. DWGS.	R22 M.W. BATT	2" R8.6 SEMI-RIGID STONE WOOL BOARD w/ BLACK MAT FACER	SELF ADHERED AIR AND WATER BARRIER	5/8" GYP. BD.	VERTICAL UHPC-2 PANELS ov/ THERMALLY BROKEN CLADDING SUPPORT SYSTEM. ACM-1 ACCENT WHERE OCCURS PER ELEVATION

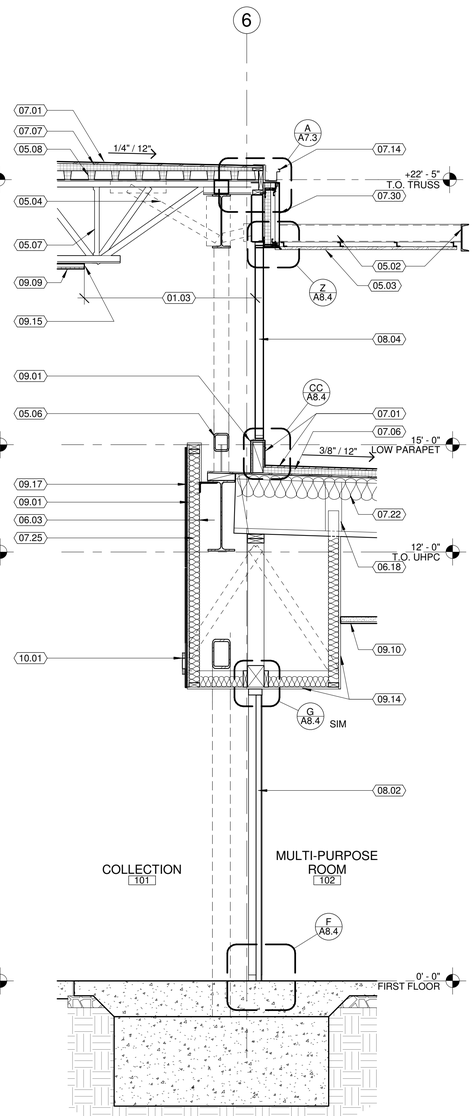
(1) WHERE THE STRUCTURAL DRAWINGS DO NOT INDICATE SHEATHING, PROVIDE 1/2" PLYWOOD

KEYNOTES

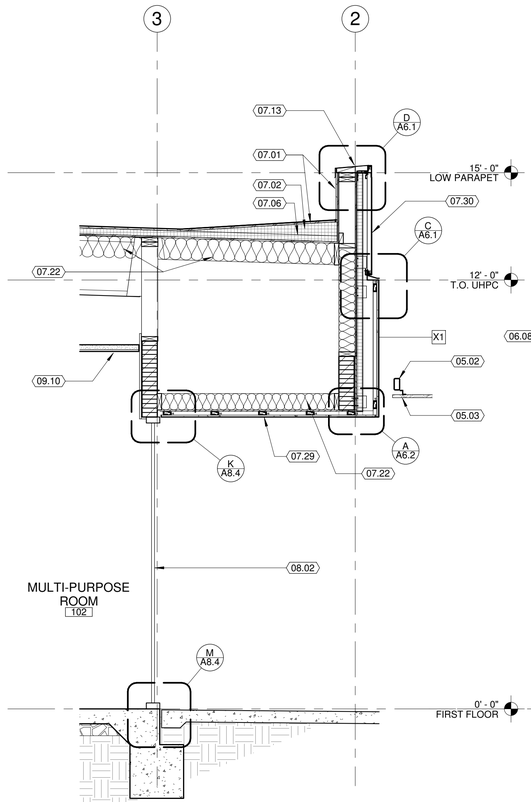
01.03 EXPOSED TO STRUCTURE ABOVE - NO VISIBLE SUSPENSION/AIRCRAFT CABLES, EXPOSED LOW VOLTAGE CABLE, OR FIRE SPRINKLERS. PAINT ALL EXPOSED STRUCTURAL STEEL, ROOF TRUSSES, DECKING & PIPING.
05.02 CANOPY FRAMING. REF. STRUCT. DWGS.
05.03 STABILIZED ALUMINUM FOAM PANELS ADHERED ov/ ALUM. ZEE FRAMING
05.04 PARAPET BRACE. REF. STRUCT. DWGS.
05.06 STEEL FRAME. REF. STRUCT. DWGS.
05.07 OPEN WEB STEEL ROOF JOIST. REF. STRUCT. DWGS.
05.08 3" MTL DECK. REF. STRUCT. DWGS.
06.03 2x4 D.F. @ 16" O.C.
06.06 2X4 BLOCKING
06.08 CONTINUE PLYWOOD. SHEATHING
06.17 ROOF JOISTS REF. STRUCT DWGS.
06.18 WEB FILLER - REF. STRUCT. DWGS.
07.01 SINGLE PLY ROOFING MEMBRANE ov/ ½" COVER BD.
07.02 CRICKET FORMED w/ TAPERED RIGID MINERAL WOOL INSULATION
07.05 SINGLE PLY ROOFING MEMBRANE ov/ ½" COVER BOARD BD. ov/ RIGID STONE WOOL INSULATION.
07.06 2" HIGH DENSITY STONE WOOL INSULATION BOARD.
07.07 SLOPE FORMED w/ TAPERED RIGID MINERAL WOOL INSULATION w/ FLUTE FILLER INSULATION.
07.13 24 GA. GALV. SHEET METAL SLOPED PARAPET CAP FLASHING BEHIND ACM PARAPET FACE.
07.14 24 GA. PRE-FINISHED SHEET METAL GUTTER FORMED FROM SHEET STOCK TO MATCH ACM
07.22 UNFACED R-30 MINERAL WOOL BATT INSULATION
07.23 2" R8.6 SEMI RIGID STONE WOOL INSULATION BOARD w/ BLACK MAT FACER
07.25 3.5" MINERAL WOOL BATT SOUND ATTENTUATION INSULATION
07.29 ULTRA HIGH PERFORMANCE CONCRETE CLADDING PANELS ov/ CLADDING SUPPORT SYSTEM.
07.30 ALUMINUM COMPOSITE MATERIAL CLADDING PANELS ov/ CLADDING SUPPORT SYSTEM.
08.02 WINDOW, PER PLAN & SCHEDULE
08.04 FIBERGLASS SANDWICH PANEL TRANSLUCENT WALL SYSTEM
09.01 5/8" GYPSUM BOARD
09.09 4X4 SUSPENDED T-BAR CEILING - REF. FINISH SCHEDULE FOR CEILING TILE
09.10 2x4 SUSPENDED T-BAR CEILING - REF. FINISH SCHEDULE FOR CEILING TILE
09.14 5/8" GYP. BD. ov/ 2X TYPICAL SOFFIT FRAMING - REF. STRUCT. DWGS
09.15 2" PREFINISHED EXTRUDED ALUM. CEILING TRIM
09.17 MODULAR ACOUSTIC WALL PANELS ADHERED ov/ GYP. BD. - REF. FINISH SECHEDULE AND INERIOR ELEVATIONS
10.01 10" HIGH DIMENSIONAL ALUM. LETTERS w/ FLUSH STANDOFF MOUNT - COLOR MATCH PAINT COLOR
22.04 HORIZONTAL PIPE CHASE - REFER TO PLUMBING DRAWINGS
26.01 LIGHT FIXTURE - REF. ELECTRICAL DWGS.



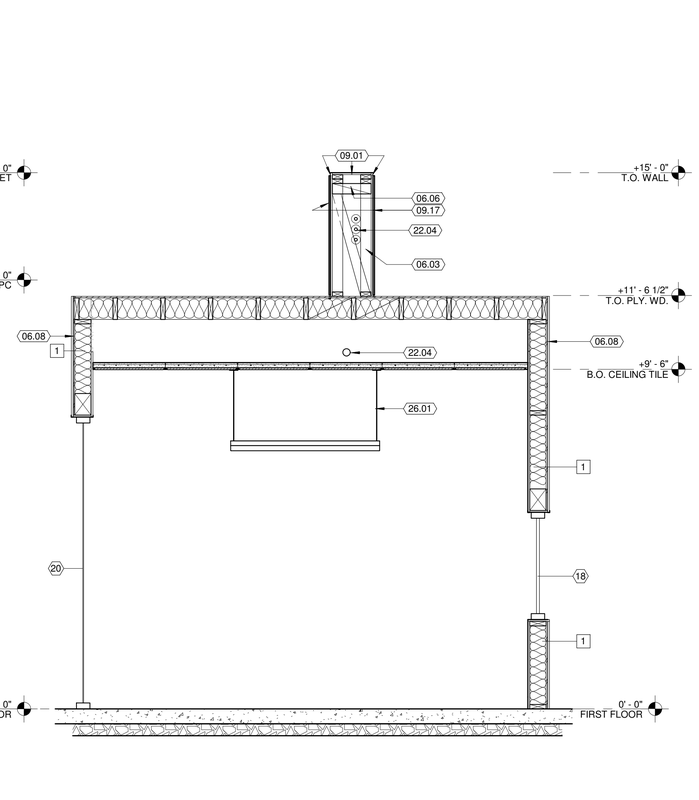
F WALL SECTION F
1/2" = 1'-0"



G WALL SECTION G
1/2" = 1'-0"



H WALL SECTION H
1/2" = 1'-0"



Y WALL SECTION
1/2" = 1'-0"

WMB ARCHITECTS
5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
Walnut Park Library
2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED ARCHITECT SAMUEL G. [illegible] 31-25 STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

08.23.24	BID SET

WALL SECTIONS

A5.2

8/26/2024 3:28:26 PM

Copyright WMB, Inc.

INTERIOR WALL SCHEDULE

NO.	CORE	INSUL.	WALLBOARD	EXTENT	F.R.
1	2x6 D.F. STUDS @ 16" O.C.	ACOUST. F.G. BATT.	5/8" GYP. BD. BOTH SIDES	CORE, INSUL. & WALLBD. ONE SIDE TO UNDERSIDE OF ROOF DECK; WALLBD. ONE SIDE TO 6" ABOVE FINISH CEILING	-
2	2x4 D.F. STUDS @ 16" O.C.	ACOUST. F.G. BATT.	5/8" GYP. BD., EXPOSED SIDE	CORE, INSUL. & WALLBD. TO 6" ABOVE FINISH CEILING	-
3	2X4 DF STUDS @ 16" O.C.	ACOUST. F.G. BATT.	5/8" GYP. BD. BOTH SIDES	CORE, INSUL. & WALLBD. TO 6" ABOVE FINISH CEILING	-
4	2x6 D.F. STUDS @ 16" O.C.	ACOUST. F.G. BATT.	5/8" TYPE 'X' GYP. BD. BOTH SIDES	CORE, INSUL. & WALLBD. TO UNDERSIDE OF ROOF DECK	1 HR. UL U305

(1) INTERIOR SHEAR PLY NOT INDICATED - COORDINATE LOCATIONS w/ STRUCTURAL DRAWINGS
(2) PROVIDE MOISTURE-RESISTANT GYP. BD. AT ALL WET LOCATIONS AND/OR TO RECEIVE WALL TILE - REF. A10.1
(3) CONSTRUCT WALL TYPE 4 IN ACCORDANCE w/ DETAILS G, H, J, K, & L ON A6.3.

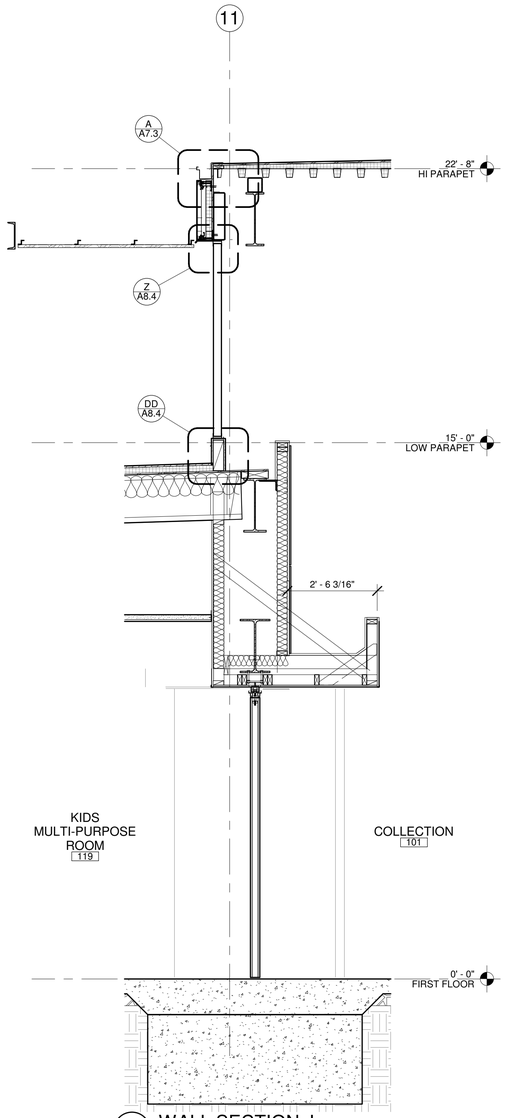
EXTERIOR WALL SCHEDULE

NO.	CORE	SHEATHING	CORE INSUL.	CONT. INSUL.	WEATHER BARRIER	FINISH	
						INT.	EXT.
X1	2x6 D.F. STUDS @ 16" O.C.	PLYWOOD, PER STRUCT. DWGS.	R22 M.W. BATT	2" R8.6 SEMI-RIGID STONE WOOL BOARD w/ BLACK MAT FACER	SELF ADHERED AIR AND WATER BARRIER	5/8" GYP. BD.	HORIZONTAL UHPC-1 PANELS ov/ THERMALLY BROKEN CLADDING SUPPORT SYSTEM. ACM-1 ACCENT WHERE OCCURS PER ELEVATION
X2	2x6 D.F. STUDS @ 16" O.C.	PLYWOOD, PER STRUCT. DWGS.	-	-	SELF ADHERED AIR AND WATER BARRIER	-	HORIZONTAL UHPC-1 PANELS ov/ THERMALLY BROKEN CLADDING SUPPORT SYSTEM. ACM-1 ACCENT WHERE OCCURS PER ELEVATION
X3	2x6 D.F. STUDS @ 16" O.C.	PLYWOOD, PER STRUCT. DWGS.	R22 M.W. BATT	2" R8.6 SEMI-RIGID STONE WOOL BOARD w/ BLACK MAT FACER	SELF ADHERED AIR AND WATER BARRIER	5/8" GYP. BD.	VERTICAL UHPC-2 PANELS ov/ THERMALLY BROKEN CLADDING SUPPORT SYSTEM. ACM-1 ACCENT WHERE OCCURS PER ELEVATION
X4	2x8 D.F. STUDS, PER STRUCT. DWGS.	PLYWOOD, PER STRUCT. DWGS.	R22 M.W. BATT	2" R8.6 SEMI-RIGID STONE WOOL BOARD w/ BLACK MAT FACER	SELF ADHERED AIR AND WATER BARRIER	5/8" GYP. BD.	VERTICAL UHPC-2 PANELS ov/ THERMALLY BROKEN CLADDING SUPPORT SYSTEM. ACM-1 ACCENT WHERE OCCURS PER ELEVATION

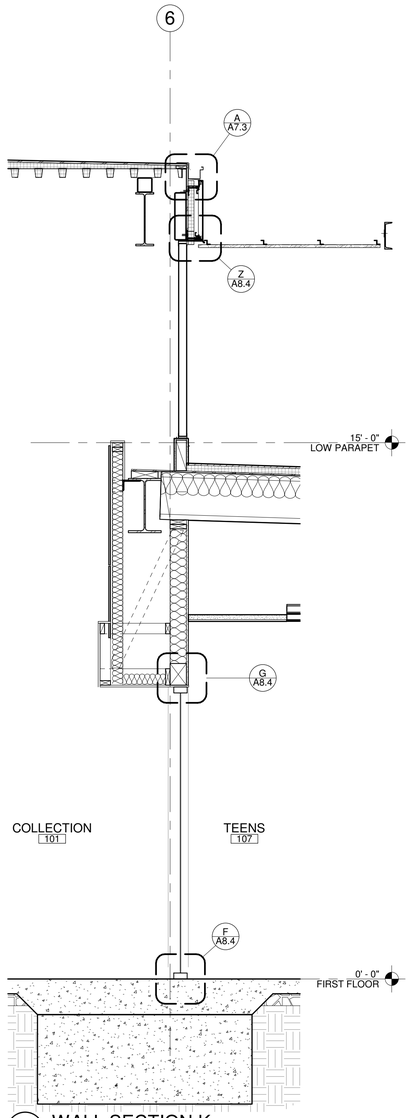
(1) WHERE THE STRUCTURAL DRAWINGS DO NOT INDICATE SHEATHING, PROVIDE 1/2" PLYWOOD

KEYNOTES

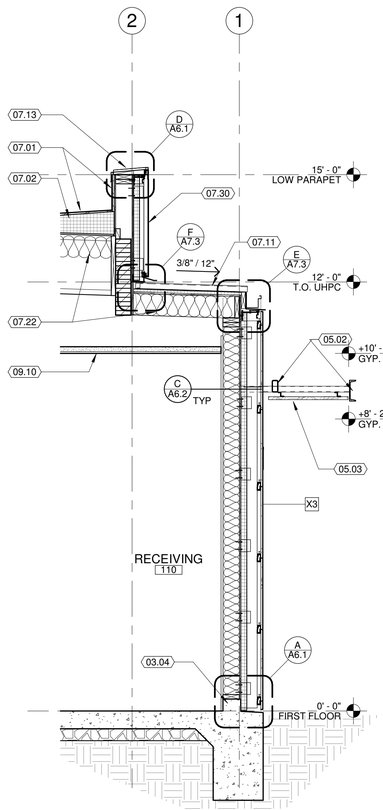
03.04 CONCRETE CURB
05.02 CANOPY FRAMING. REF. STRUCT. DWGS.
05.03 STABILIZED ALUMINUM FOAM PANELS ADHERED ov/ ALUM. ZEE FRAMING
05.10 CONCEALED STEEL ANGLE COUNTER SUPPORT BRACKET, TYP. OF (2)
06.03 2x4 D.F. @ 16" O.C.
06.04 2x4 D.F. BRACE @ 48" O.C.
06.05 2x4 P.T.D.F. SILL PLATE w/ POWDER DRIVEN PINS
06.06 2X4 BLOCKING
06.12 DOUBLE WALLED HORIZONTAL PIPE CHASE - REFER TO PLUMBING DRAWINGS
07.01 SINGLE PLY ROOFING MEMBRANE ov/ ½" COVER BD.
07.02 CRICKET FORMED w/ TAPERED RIGID MINERAL WOOL INSULATION
07.11 PRE-FINISHED STANDING SEAM METAL ROOFING ov/ S.A. ROOF UNDERLAYMENT ov/ 1" BONDED SHEATHING RIGID NAIL BASE INSUL.
07.13 24 GA. GALV. SHEET METAL SLOPED PARAPET CAP FLASHING BEHIND ACM PARAPET FACE.
07.22 UNFACED R-30 MINERAL WOOL BATT INSULATION
07.30 ALUMINUM COMPOSITE MATERIAL CLADDING PANELS ov/ CLADDING SUPPORT SYSTEM.
08.05 8'-0" X 8'-0" OFFSET PIVOT PANEL. LAMINATE-WRAPPED PLANK FINISH.
09.01 5/8" GYPSUM BOARD
09.04 SOLID SURFACE COUNTERTOP
09.10 2x4 SUSPENDED T-BAR CEILING - REF. FINISH SCHEDULE FOR CEILING TILE
09.11 5/8" GYP. BD. ov/ CEILING JOISTS PER STRUCTURAL DWGS
09.17 MODULAR ACOUSTIC WALL PANELS ADHERED ov/ GYP. BD. - REF. FINISH SECHEDULE AND INERIOR ELEVATIONS
22.04 HORIZONTAL PIPE CHASE - REFER TO PLUMBING DRAWINGS



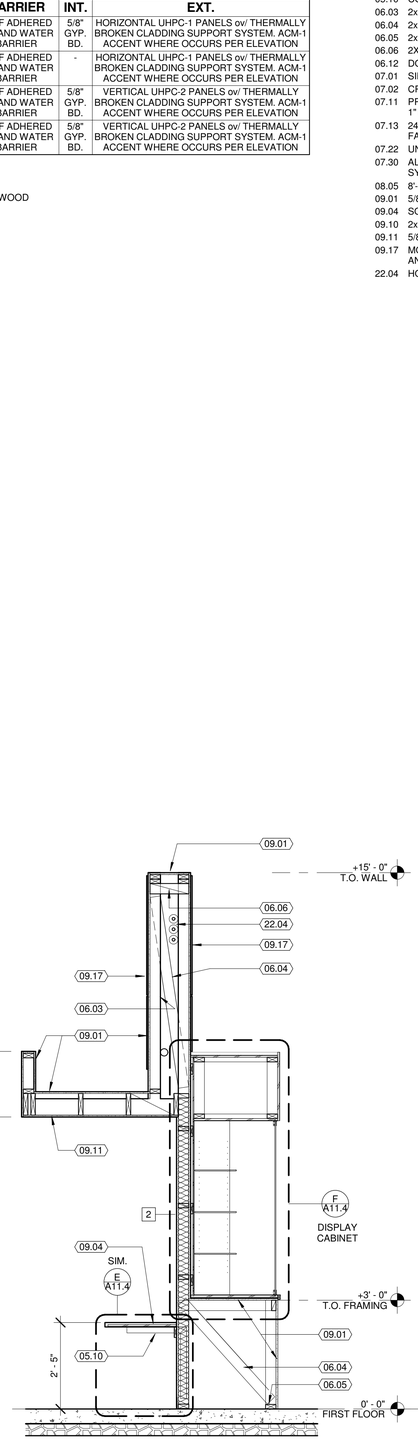
J WALL SECTION J
1/2" = 1'-0"



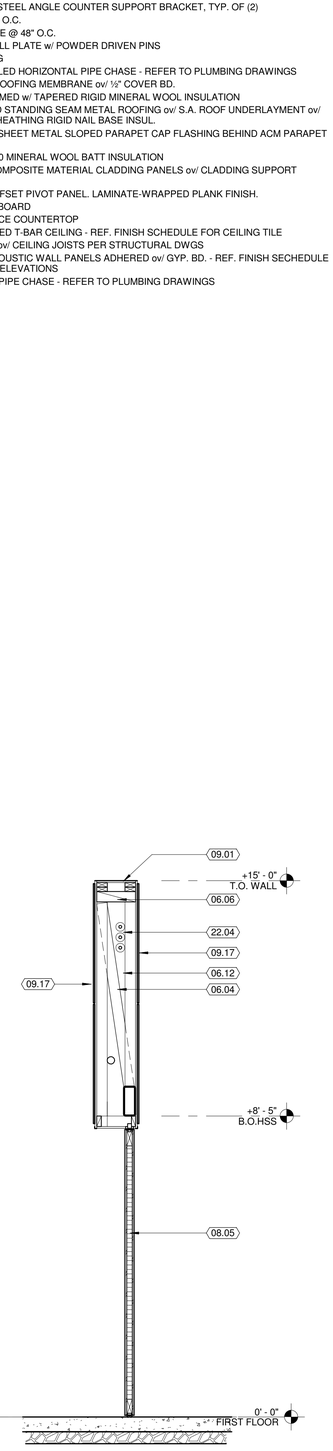
K WALL SECTION K
1/2" = 1'-0"



L WALL SECTION L
1/2" = 1'-0"



Z WALL SECTION Z
1/2" = 1'-0"



X WALL SECTION X
1/2" = 1'-0"

WMB ARCHITECTS
5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
Walnut Park Library
2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED ARCHITECT SAMUEL G. [illegible] 31-25 STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

08.23.24	BID SET

WALL SECTIONS

A5.3

8/26/2024 3:28:28 PM

Copyright WMB, Inc.

INTERIOR WALL SCHEDULE

NO.	CORE	INSUL.	WALLBOARD	EXTENT	F.R.
1	2x6 D.F. STUDS @ 16" O.C.	ACOUST. F.G. BATT.	5/8" GYP. BD. BOTH SIDES	CORE, INSUL. & WALLBD. ONE SIDE TO UNDERSIDE OF ROOF DECK; WALLBD. ONE SIDE TO 6" ABOVE FINISH CEILING	-
2	2x4 D.F. STUDS @ 16" O.C.	ACOUST. F.G. BATT.	5/8" GYP. BD., EXPOSED SIDE	CORE, INSUL. & WALLBD. TO 6" ABOVE FINISH CEILING	-
3	2X4 DF STUDS @ 16" O.C.	ACOUST. F.G. BATT.	5/8" GYP. BD. BOTH SIDES	CORE, INSUL. & WALLBD. TO 6" ABOVE FINISH CEILING	-
4	2x6 D.F. STUDS @ 16" O.C.	ACOUST. F.G. BATT.	5/8" TYPE 'X' GYP. BD. BOTH SIDES	CORE, INSUL. & WALLBD. TO UNDERSIDE OF ROOF DECK	1 HR. UL U305

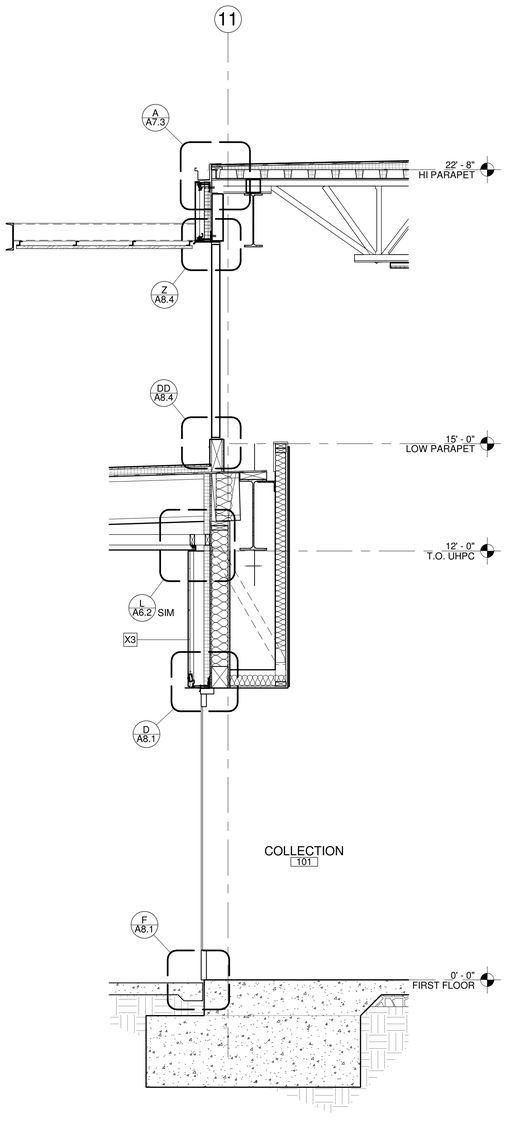
(1) INTERIOR SHEAR PLY NOT INDICATED - COORDINATE LOCATIONS w/ STRUCTURAL DRAWINGS
(2) PROVIDE MOISTURE-RESISTANT GYP. BD. AT ALL WET LOCATIONS AND/OR TO RECEIVE WALL TILE - REF. A10.1
(3) CONSTRUCT WALL TYPE 4 IN ACCORDANCE w/ DETAILS G, H, J, K, & L ON A6.3.

EXTERIOR WALL SCHEDULE

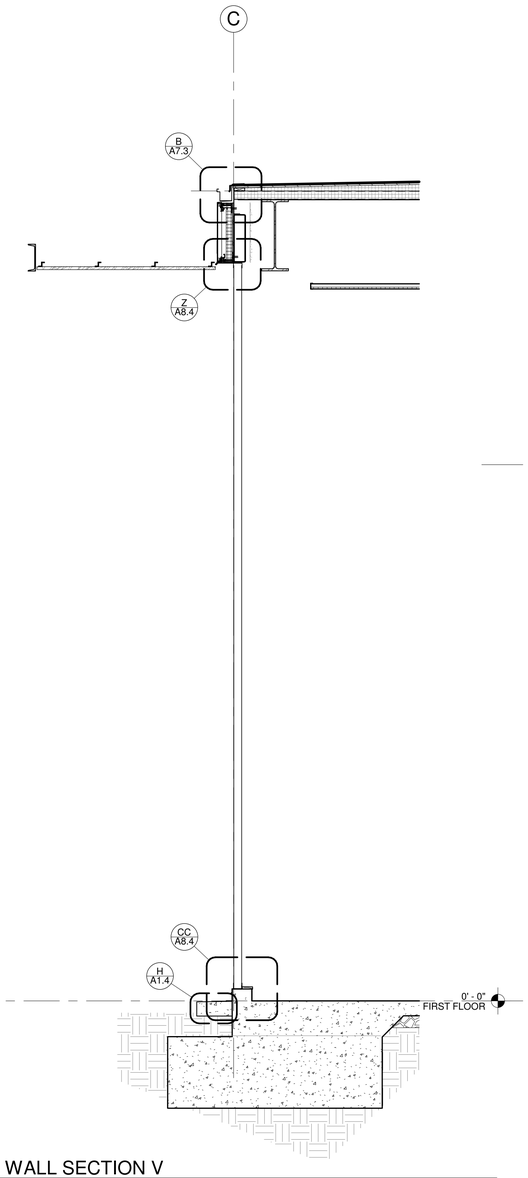
NO.	CORE	SHEATHING	CORE INSUL.	CONT. INSUL.	WEATHER BARRIER	FINISH	
						INT.	EXT.
X1	2x6 D.F. STUDS @ 16" O.C.	PLYWOOD, PER STRUCT. DWGS.	R22 M.W. BATT	2" R8.6 SEMI-RIGID STONE WOOL BOARD w/ BLACK MAT FACER	SELF ADHERED AIR AND WATER BARRIER	5/8" GYP. BD.	HORIZONTAL UHPC-1 PANELS ov/ THERMALLY BROKEN CLADDING SUPPORT SYSTEM. ACM-1 ACCENT WHERE OCCURS PER ELEVATION
X2	2x6 D.F. STUDS @ 16" O.C.	PLYWOOD, PER STRUCT. DWGS.	-	-	SELF ADHERED AIR AND WATER BARRIER	-	HORIZONTAL UHPC-1 PANELS ov/ THERMALLY BROKEN CLADDING SUPPORT SYSTEM. ACM-1 ACCENT WHERE OCCURS PER ELEVATION
X3	2x6 D.F. STUDS @ 16" O.C.	PLYWOOD, PER STRUCT. DWGS.	R22 M.W. BATT	2" R8.6 SEMI-RIGID STONE WOOL BOARD w/ BLACK MAT FACER	SELF ADHERED AIR AND WATER BARRIER	5/8" GYP. BD.	VERTICAL UHPC-2 PANELS ov/ THERMALLY BROKEN CLADDING SUPPORT SYSTEM. ACM-1 ACCENT WHERE OCCURS PER ELEVATION
X4	2x8 D.F. STUDS, PER STRUCT. DWGS.	PLYWOOD, PER STRUCT. DWGS.	R22 M.W. BATT	2" R8.6 SEMI-RIGID STONE WOOL BOARD w/ BLACK MAT FACER	SELF ADHERED AIR AND WATER BARRIER	5/8" GYP. BD.	VERTICAL UHPC-2 PANELS ov/ THERMALLY BROKEN CLADDING SUPPORT SYSTEM. ACM-1 ACCENT WHERE OCCURS PER ELEVATION

(1) WHERE THE STRUCTURAL DRAWINGS DO NOT INDICATE SHEATHING, PROVIDE 1/2" PLYWOOD

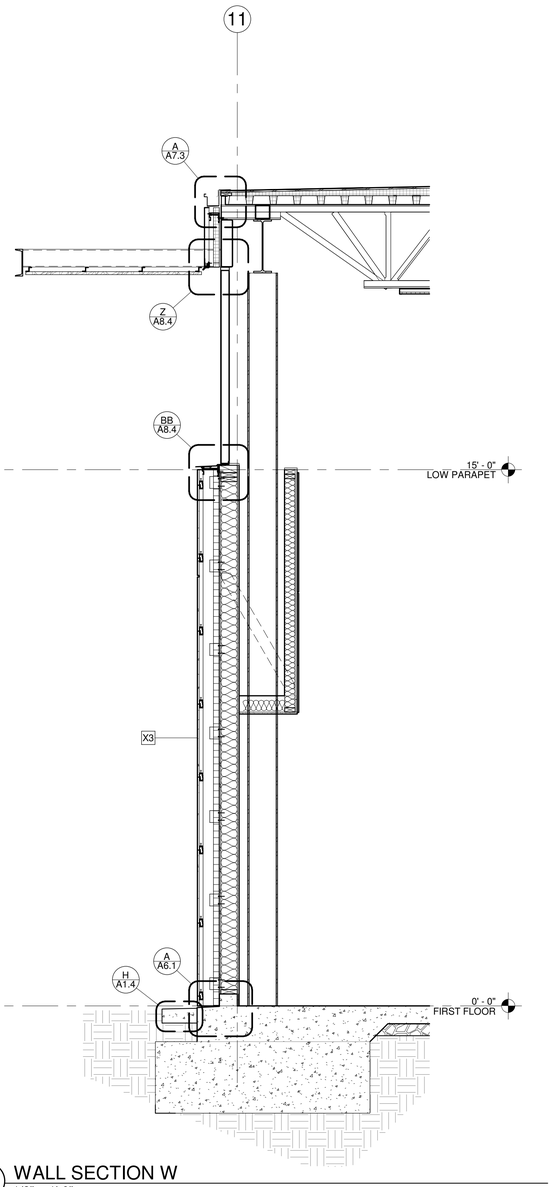
KEYNOTES



N WALL SECTION N
1/2" = 1'-0"



V WALL SECTION V
1/2" = 1'-0"



W WALL SECTION W
1/2" = 1'-0"

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY

Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED ARCHITECT SAMUEL G. [redacted] 31-25 STATE OF CALIFORNIA

NOT FOR CONSTRUCTION

08.23.24	BID SET

WALL SECTIONS

A5.4

[redacted]

8/26/2024 3:28:30 PM

Copyright WMB, Inc.

INTERIOR WALL SCHEDULE

NO.	CORE	INSUL.	WALLBOARD	EXTENT	F.R.
1	2x6 D.F. STUDS @ 16" O.C.	ACOUST. F.G. BATT.	5/8" GYP. BD. BOTH SIDES	CORE, INSUL. & WALLBD. ONE SIDE TO UNDERSIDE OF ROOF DECK; WALLBD. ONE SIDE TO 6" ABOVE FINISH CEILING	-
2	2x4 D.F. STUDS @ 16" O.C.	ACOUST. F.G. BATT.	5/8" GYP. BD., EXPOSED SIDE	CORE, INSUL. & WALLBD. TO 6" ABOVE FINISH CEILING	-
3	2X4 DF STUDS @ 16" O.C.	ACOUST. F.G. BATT.	5/8" GYP. BD. BOTH SIDES	CORE, INSUL. & WALLBD. TO 6" ABOVE FINISH CEILING	-
4	2x6 D.F. STUDS @ 16" O.C.	ACOUST. F.G. BATT.	5/8" TYPE 'X' GYP. BD. BOTH SIDES	CORE, INSUL. & WALLBD. TO UNDERSIDE OF ROOF DECK	1 HR. UL U305

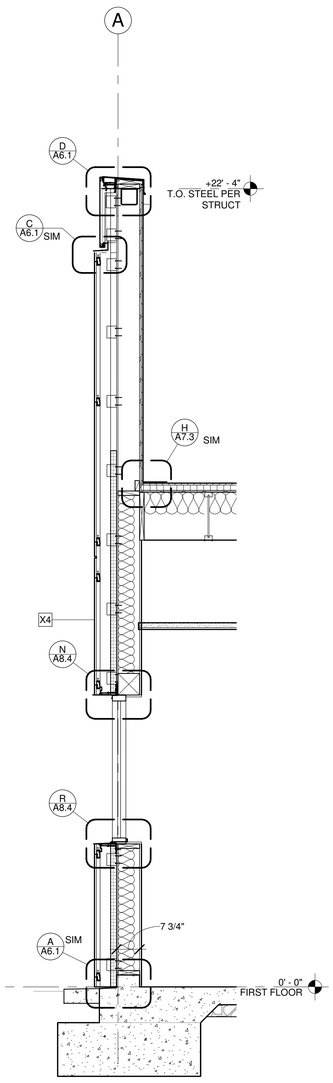
(1) INTERIOR SHEAR PLY NOT INDICATED - COORDINATE LOCATIONS w/ STRUCTURAL DRAWINGS
(2) PROVIDE MOISTURE-RESISTANT GYP. BD. AT ALL WET LOCATIONS AND/OR TO RECEIVE WALL TILE - REF. A10.1
(3) CONSTRUCT WALL TYPE 4 IN ACCORDANCE w/ DETAILS G, H, J, K, & L ON A6.3.

EXTERIOR WALL SCHEDULE

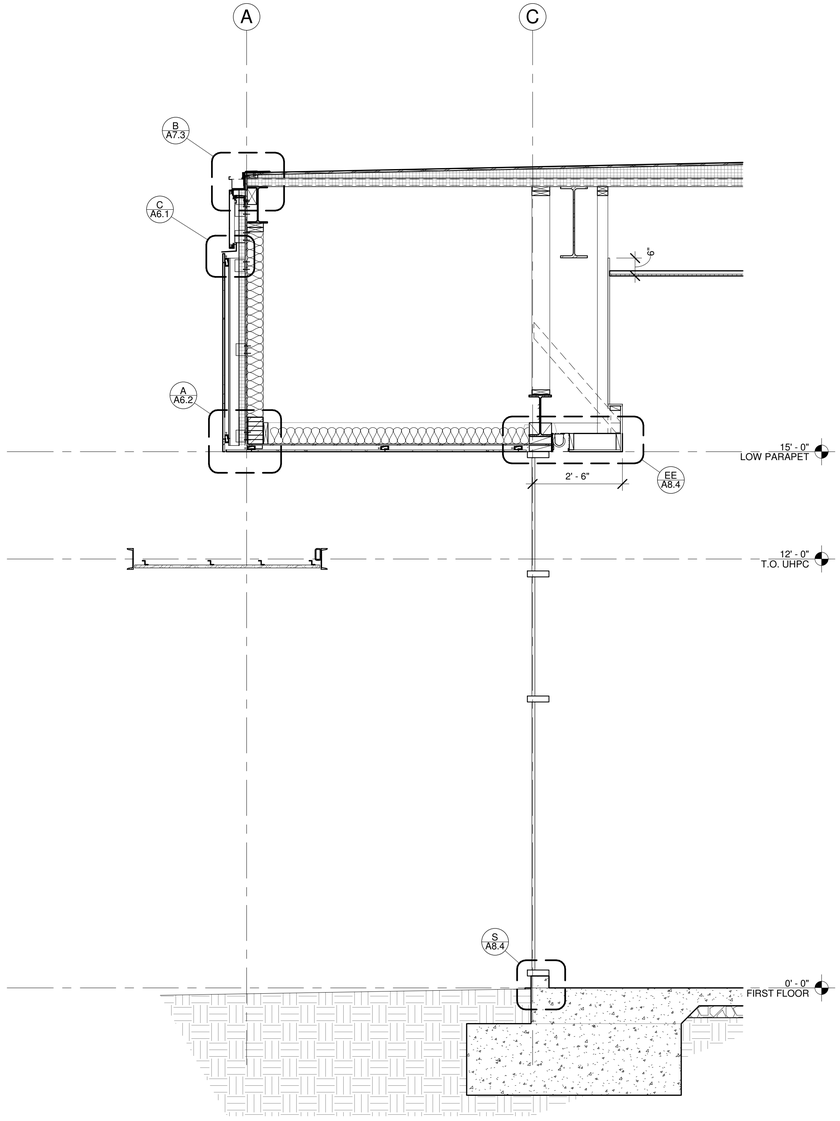
NO.	CORE	SHEATHING	CORE INSUL.	CONT. INSUL.	WEATHER BARRIER	FINISH	
						INT.	EXT.
X1	2x6 D.F. STUDS @ 16" O.C.	PLYWOOD, PER STRUCT. DWGS.	R22 M.W. BATT	2" R8.6 SEMI-RIGID STONE WOOL BOARD w/ BLACK MAT FACER	SELF ADHERED AIR AND WATER BARRIER	5/8" GYP. BD.	HORIZONTAL UHPC-1 PANELS ov/ THERMALLY BROKEN CLADDING SUPPORT SYSTEM. ACM-1 ACCENT WHERE OCCURS PER ELEVATION
X2	2x6 D.F. STUDS @ 16" O.C.	PLYWOOD, PER STRUCT. DWGS.	-	-	SELF ADHERED AIR AND WATER BARRIER	-	HORIZONTAL UHPC-1 PANELS ov/ THERMALLY BROKEN CLADDING SUPPORT SYSTEM. ACM-1 ACCENT WHERE OCCURS PER ELEVATION
X3	2x6 D.F. STUDS @ 16" O.C.	PLYWOOD, PER STRUCT. DWGS.	R22 M.W. BATT	2" R8.6 SEMI-RIGID STONE WOOL BOARD w/ BLACK MAT FACER	SELF ADHERED AIR AND WATER BARRIER	5/8" GYP. BD.	VERTICAL UHPC-2 PANELS ov/ THERMALLY BROKEN CLADDING SUPPORT SYSTEM. ACM-1 ACCENT WHERE OCCURS PER ELEVATION
X4	2x8 D.F. STUDS, PER STRUCT. DWGS.	PLYWOOD, PER STRUCT. DWGS.	R22 M.W. BATT	2" R8.6 SEMI-RIGID STONE WOOL BOARD w/ BLACK MAT FACER	SELF ADHERED AIR AND WATER BARRIER	5/8" GYP. BD.	VERTICAL UHPC-2 PANELS ov/ THERMALLY BROKEN CLADDING SUPPORT SYSTEM. ACM-1 ACCENT WHERE OCCURS PER ELEVATION

(1) WHERE THE STRUCTURAL DRAWINGS DO NOT INDICATE SHEATHING, PROVIDE 1/2" PLYWOOD

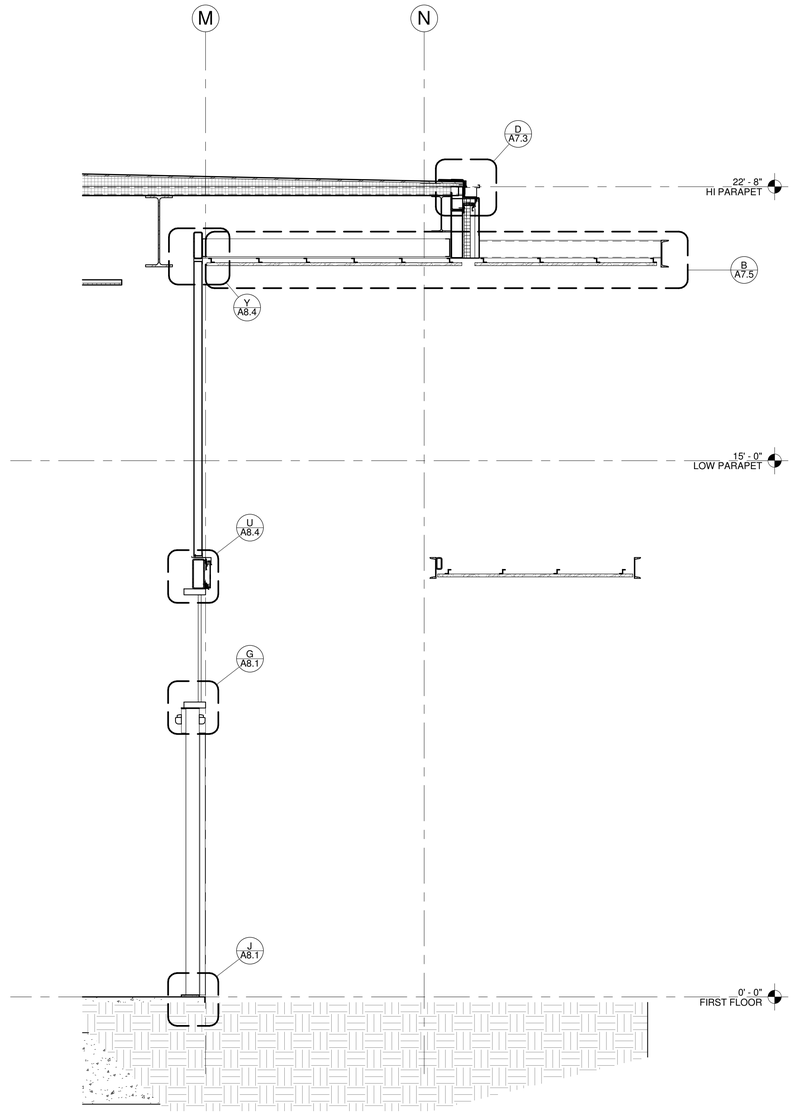
KEYNOTES



R WALL SECTION R
1/2" = 1'-0"



T WALL SECTION T
1/2" = 1'-0"



U WALL SECTION U
1/2" = 1'-0"

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
Walnut Park Library
2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED ARCHITECT SAMUEL G. [redacted] 14,747 12-31-25 STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

08.23.24	BID SET

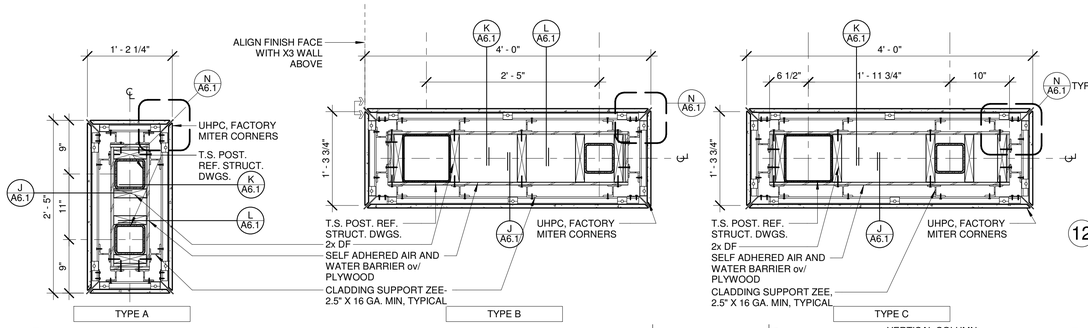
WALL SECTIONS

A5.5

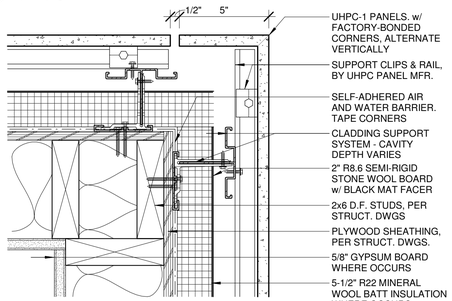
[redacted]

8/26/2024 3:28:32 PM

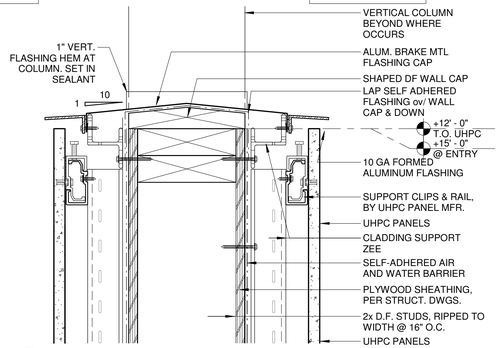
Copyright WMB, Inc.



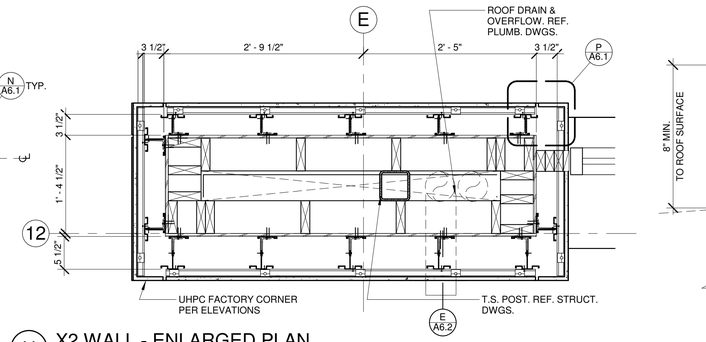
Q X5 COLUMN ENLARGEMENTS
1" = 1'-0"



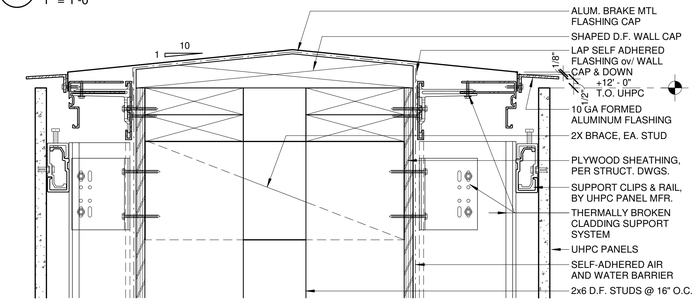
P UHPC-1 OUTSIDE CORNER
3" = 1'-0"



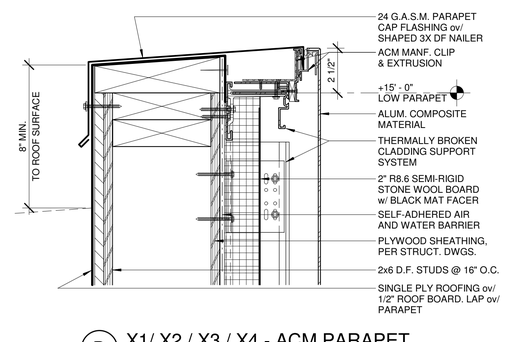
L X5 - WALL CAP @ TYPE A & B
3" = 1'-0"



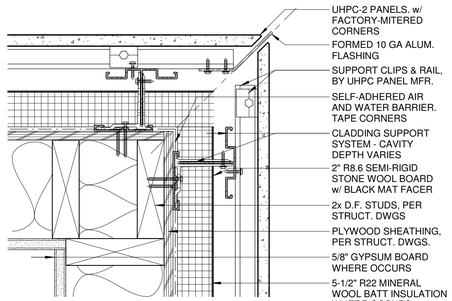
H X2 WALL - ENLARGED PLAN
1" = 1'-0"



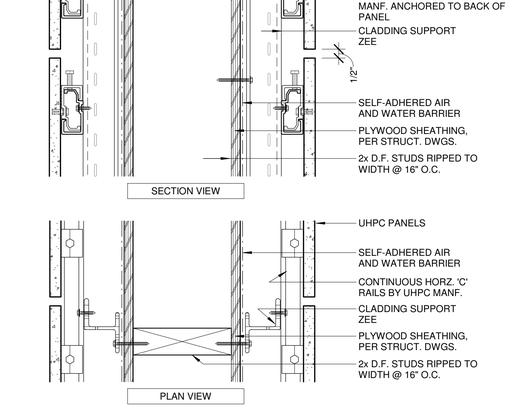
G X2 - WALL CAP AT WALL PROJECTION
3" = 1'-0"



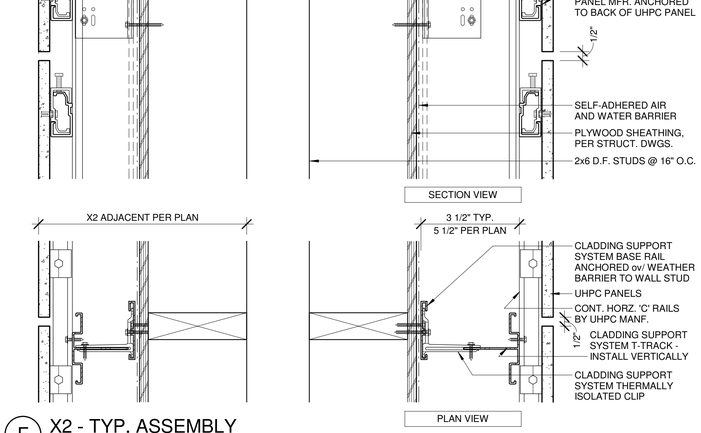
D X1/ X2 / X3 / X4 - ACM PARAPET
3" = 1'-0"



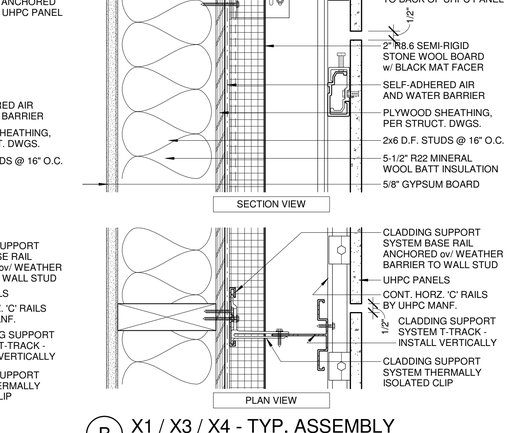
N UHPC-2 OUTSIDE CORNER
3" = 1'-0"



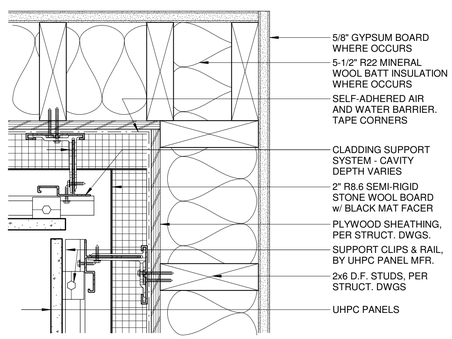
K X5 - TYP. ASSEMBLY
3" = 1'-0"



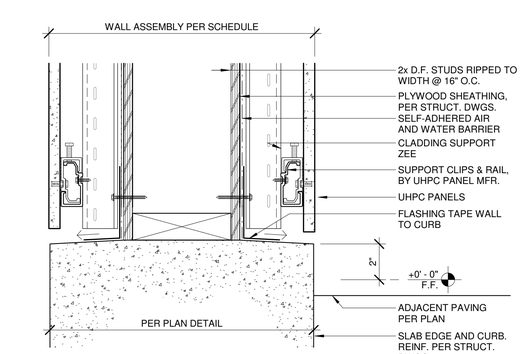
F X2 - TYP. ASSEMBLY
3" = 1'-0"



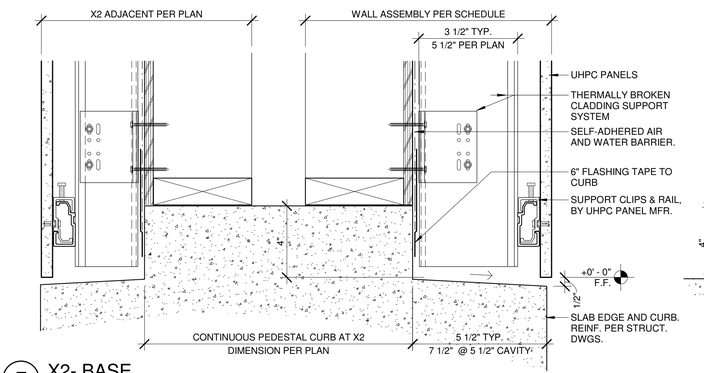
B X1 / X3 / X4 - TYP. ASSEMBLY
3" = 1'-0"



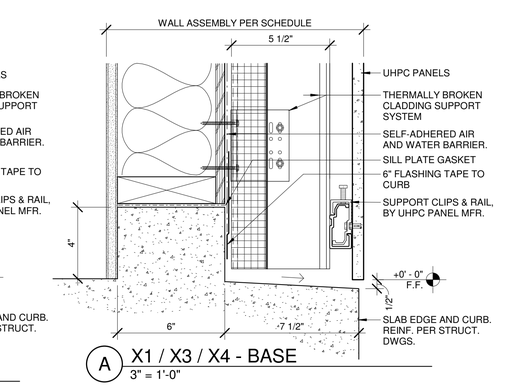
M UHPC INSIDE CORNER
3" = 1'-0"



J X5 - BASE
3" = 1'-0"



E X2- BASE
3" = 1'-0"



A X1 / X3 / X4 - BASE
3" = 1'-0"

WMB ARCHITECTS
5757 Pacific Avenue
Suite 226
Stockton, CA 95207
2000 L Street
Suite 125
Sacramento, CA 95811
T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
Walnut Park Library
2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED ARCHITECT SAMUEL G. [redacted] 4-31-25 STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

08.23.24	BID SET

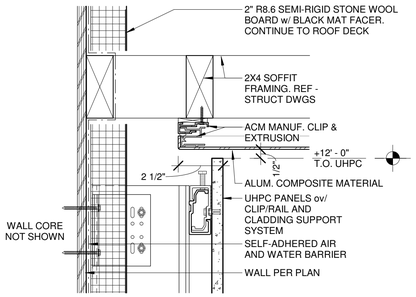
DETAILS

A6.1

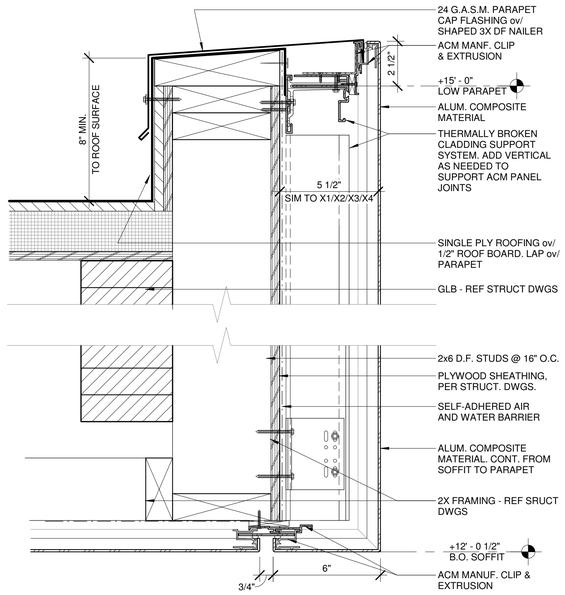
[redacted]

8/26/2024 3:28:33 PM

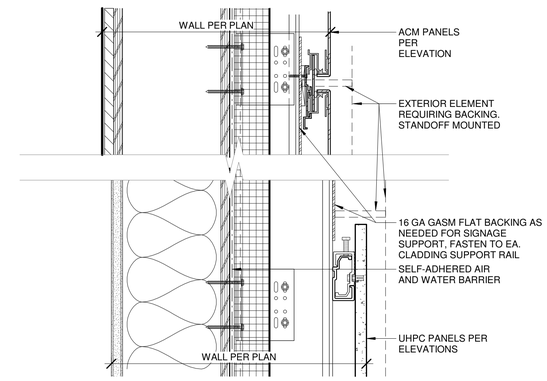
Copyright WMB, Inc.



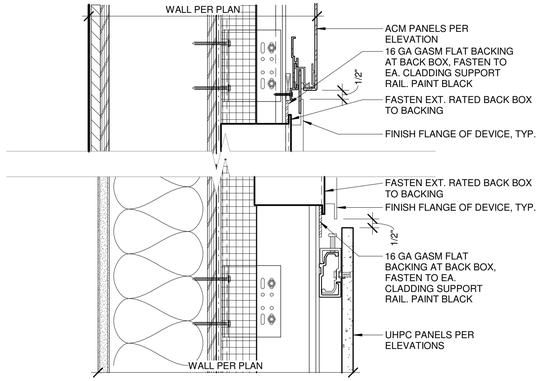
L UHPC WALL TO ACM SOFFIT
3" = 1'-0"



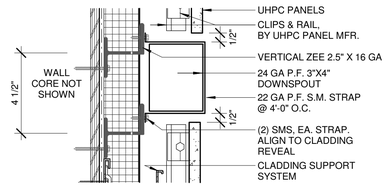
K ACM FASCIA AT ACM SOFFIT
3" = 1'-0"



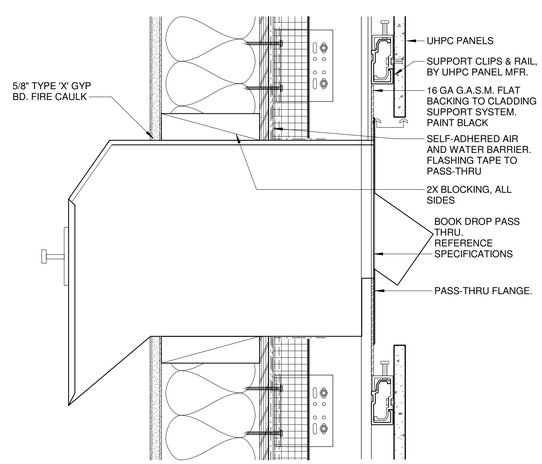
G SIGNAGE & MISC. BACKING @ CLADDING
3" = 1'-0"



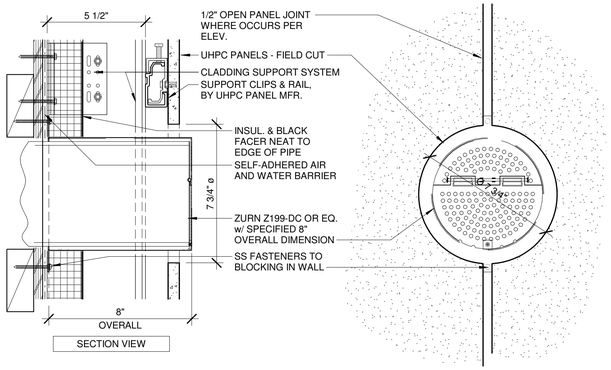
F ELECTRICAL BACK BOX @ CLADDING
3" = 1'-0"



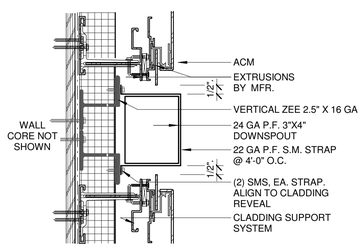
J SURFACE-MOUNT DOWNSPOUT AT ACM
3" = 1'-0"



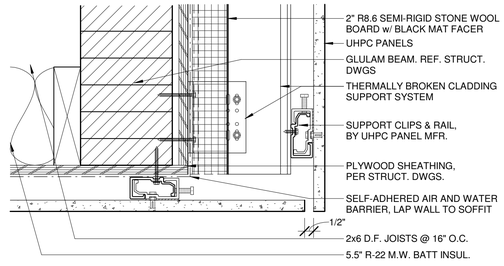
H BOOK DROP CHUTE
3" = 1'-0"



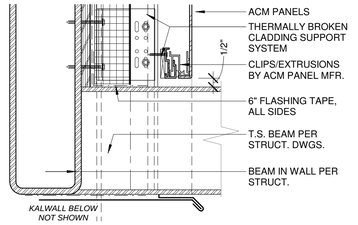
E ROOF O.F. DOWNSPOUT COVER
3" = 1'-0"

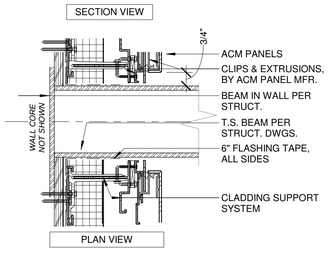


D SURFACE-MOUNT DOWNSPOUT AT UHPC
3" = 1'-0"

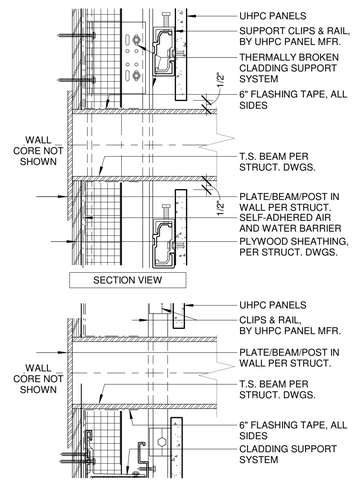


A UHPC SOFFIT TO WALL
3" = 1'-0"





B T.S. PENETRATION @ ACM
3" = 1'-0"



C T.S. PENETRATION @ UHPC
3" = 1'-0"

WMB ARCHITECTS
5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
Walnut Park Library
2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED ARCHITECT SAMUEL G. [illegible] 31-25 STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

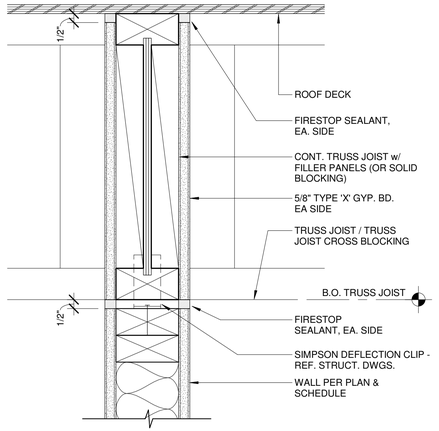
08.23.24	BID SET

DETAILS

A6.2

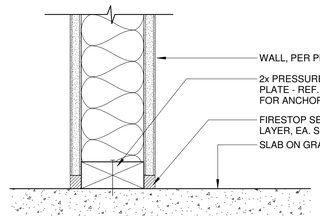
8/26/2024 3:28:34 PM

Copyright WMB, Inc.

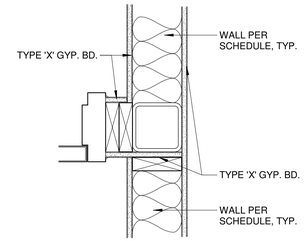


NOTE: HEAD OF WALL CONDITION SIMILAR FOR WALLS PARALLEL OR PERPENDICULAR TO ROOF JOISTS

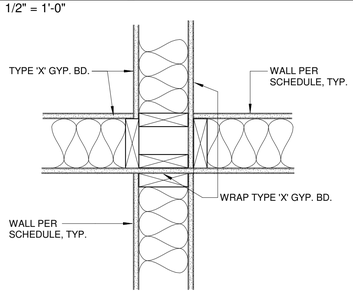
G WALL HEAD - 1 HR. RATED NON-BEARING
3" = 1'-0"



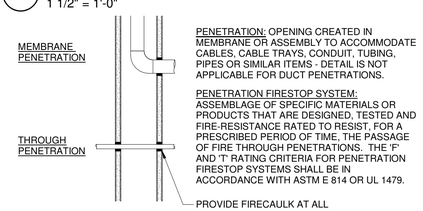
H WALL SILL PLATE - 1 HR. RATED
3" = 1'-0"



J RATED WALL @ CORNER
1 1/2" = 1'-0"



K RATED WALL @ INTERSECTION
1 1/2" = 1'-0"

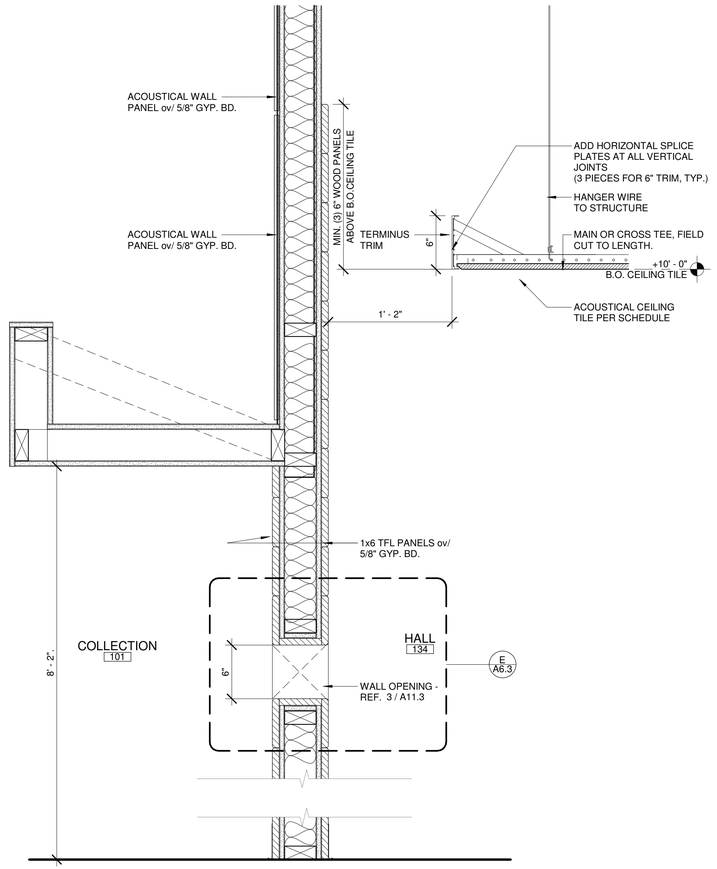


PENETRATION: OPENING CREATED IN MEMBRANE OR ASSEMBLY TO ACCOMMODATE CABLES, CABLE TRAYS, CONDUIT, TUBING, PIPES OR SIMILAR ITEMS - DETAIL IS NOT APPLICABLE FOR DUCT PENETRATIONS.

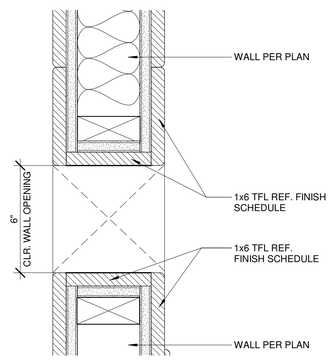
PENETRATION FIRESTOP SYSTEM: ASSEMBLAGE OF SPECIFIC MATERIALS OR PRODUCTS THAT ARE DESIGNED, TESTED AND FIRE-RESISTANCE RATED TO RESIST, FOR A PRESCRIBED PERIOD OF TIME, THE PASSAGE OF FIRE THROUGH PENETRATIONS. THE 'F' AND 'T' RATING CRITERIA FOR PENETRATION FIRESTOP SYSTEMS SHALL BE IN ACCORDANCE WITH ASTM E 814 OR UL 1479.

PROVIDE FIRECAULK AT ALL PENETRATIONS - SEE SPECS.

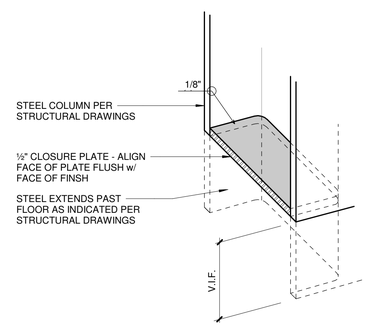
L PROTECTION OF PENETRATIONS
1 1/2" = 1'-0"



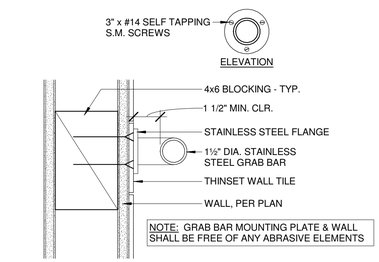
D WALL PANELS @ COLLECTION/HALL WALL
1 1/2" = 1'-0"



E WALL OPENING
3" = 1'-0"

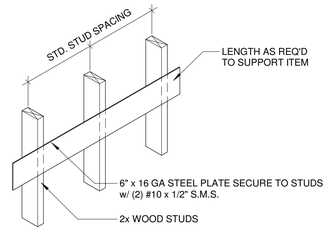


F CLOSURE PLATE @ COLUMN
1 1/2" = 1'-0"

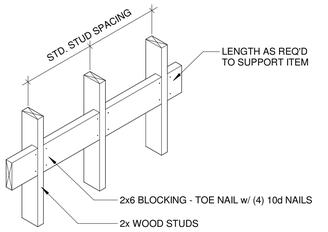


NOTE: GRAB BAR MOUNTING PLATE & WALL SHALL BE FREE OF ANY ABRASIVE ELEMENTS

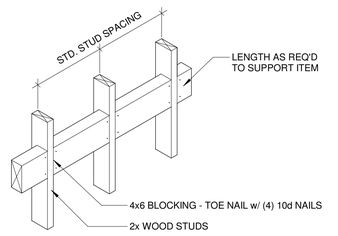
A GRAB BAR ATTACHMENT
3" = 1'-0"



TYPE A
FOR TOILET ACCESSORIES EXCLUDING GRAB BARS.
MOUNT USING #10 WOOD SCREWS.

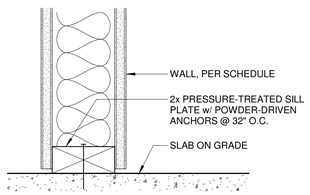


TYPE B
FOR MED. GAS PANELS / BASE CABINETS / WALL GUARDS / WALL HUNG CABINETS / WALL HUNG EQUIP.
MOUNT USING #12 WOOD SCREWS.



TYPE C
FOR GRAB BARS / WALL HUNG LAVS / ITEMS NOT NOTED.
MOUNT USING #14 SELF-TAPPING S.M.S.

B TYP. BACKING PLATES
1/4" = 1'-0"



C WALL SILL PLATE - NON-RATED
3" = 1'-0"

WMB ARCHITECTS
5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
Walnut Park Library
2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED ARCHITECT SAMUEL G. [redacted] No. C-31-25 STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

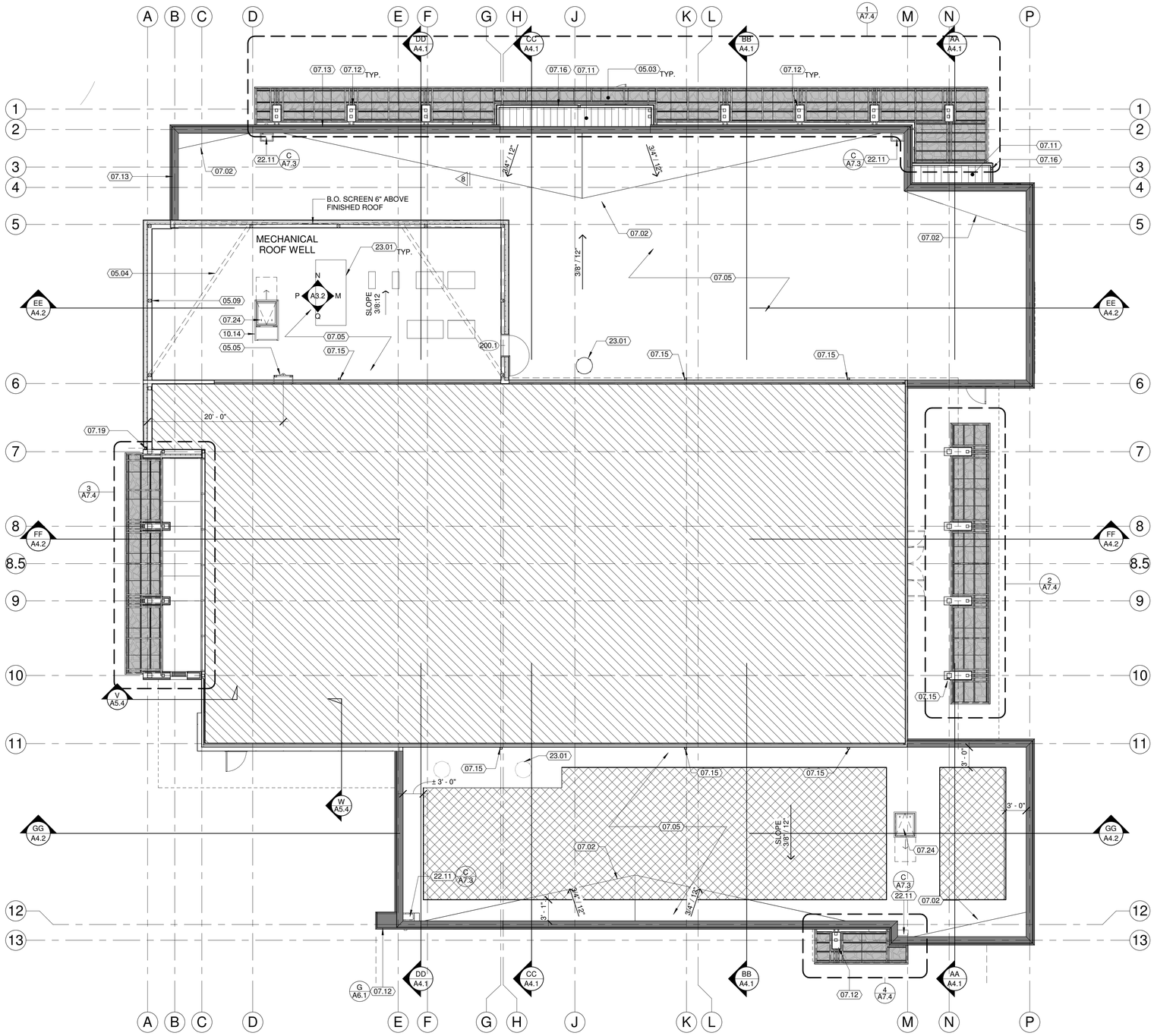
08.23.24	BID SET

DETAILS

A6.3

[redacted]

8/26/2024 3:28:35 PM Copyright WMB, Inc.



ROOF PLAN - LOW

1/8" = 1'-0"

ROOF LEGEND

ROOF SURFACE IS SINGLE PLY ROOFING MEMBRANE ov/ 1/2" COVER BD ov/ INSUL. (R-30 MIN) U.N.O.

STABILIZED ALUMINUM FOAM PANEL - OPEN BOTH SIDES- ADHERED ov/ ALUMINUM 'Z' FURRING

STABILIZED ALUMINUM FOAM PANEL -CLOSED ONE SIDE - ADHERED ov/ ALUMINUM 'Z' FURRING

PREFINISHED STANDING SEAM METAL ROOFING ov/ 1/2" COVER BOARD ov/ RIGID STONE WOOL INSUL.

AEPSPAN SPAN-LOK HP. COLOR: COOL OLD TOWN GRAY

PHOTOVOLTAIC ARRAY INSTALLATION AREA. REF ELECTRICAL DWGS

KEYNOTES

05.03 STABILIZED ALUMINUM FOAM PANELS ADHERED ov/ ALUM. ZEE FRAMING
05.04 PARAPET BRACE. REF. STRUCT. DWGS.
05.05 WALL MOUNTED ALUMINUM LADDER WITH WALK THRU
05.09 STEEL COLUMN. REF. STRUCT. DWGS. -PAINT-
07.02 CRICKET FORMED w/ TAPERED RIGID MINERAL WOOL INSULATION
07.05 SINGLE PLY ROOFING MEMBRANE ov/ ½" COVER BOARD BD. ov/ RIGID STONE WOOL INSULATION.
07.11 PRE-FINISHED STANDING SEAM METAL ROOFING ov/ S.A. ROOF UNDERLAYMENT ov/ 1" BONDED SHEATHING RIGID NAIL BASE INSUL.
07.12 24 GA. PRE-FINISHED SLOPED CAP FLASHING AT FINS
07.13 24 GA. GALV. SHEET METAL SLOPED PARAPET CAP FLASHING BEHIND ACM PARAPET FACE.
07.15 3"x4" 24 GA. PREFINISHED SHEET METAL DOWNSPOUT FORMED FROM SHEET STOCK TO MATCH ACM - DAYLIGHT TO LOW ROOF. FASTEN ABOVE AND BELOW TO SPAN TRANSULCENT PANEL CLERESTORY WHERE OCCURS.
07.16 24 GA. PRE-FINISHED SHEET METAL GUTTER
07.19 3"x4" 24 GA. PREFINISHED SHEET METAL DOWNSPOUT FORMED FROM SHEET STOCK TO MATCH ACM - SPILL TO SPLASH BLOCK
07.24 ALUMINUM SLIDING ROOF HATCH WITH FRAME
10.14 ROOF HATCH PERIMETER SAFETY RAILING
22.11 ROOF DRAIN & OVERFLOW - REF. PLUMBING DWGS.
23.01 HVAC EQUIPMENT - REF. MECH. DWGS.

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY

Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED ARCHITECT SAMUEL G. [illegible] 14747 12-31-25 STATE OF CALIFORNIA

NOT FOR CONSTRUCTION

08.23.24	BID SET

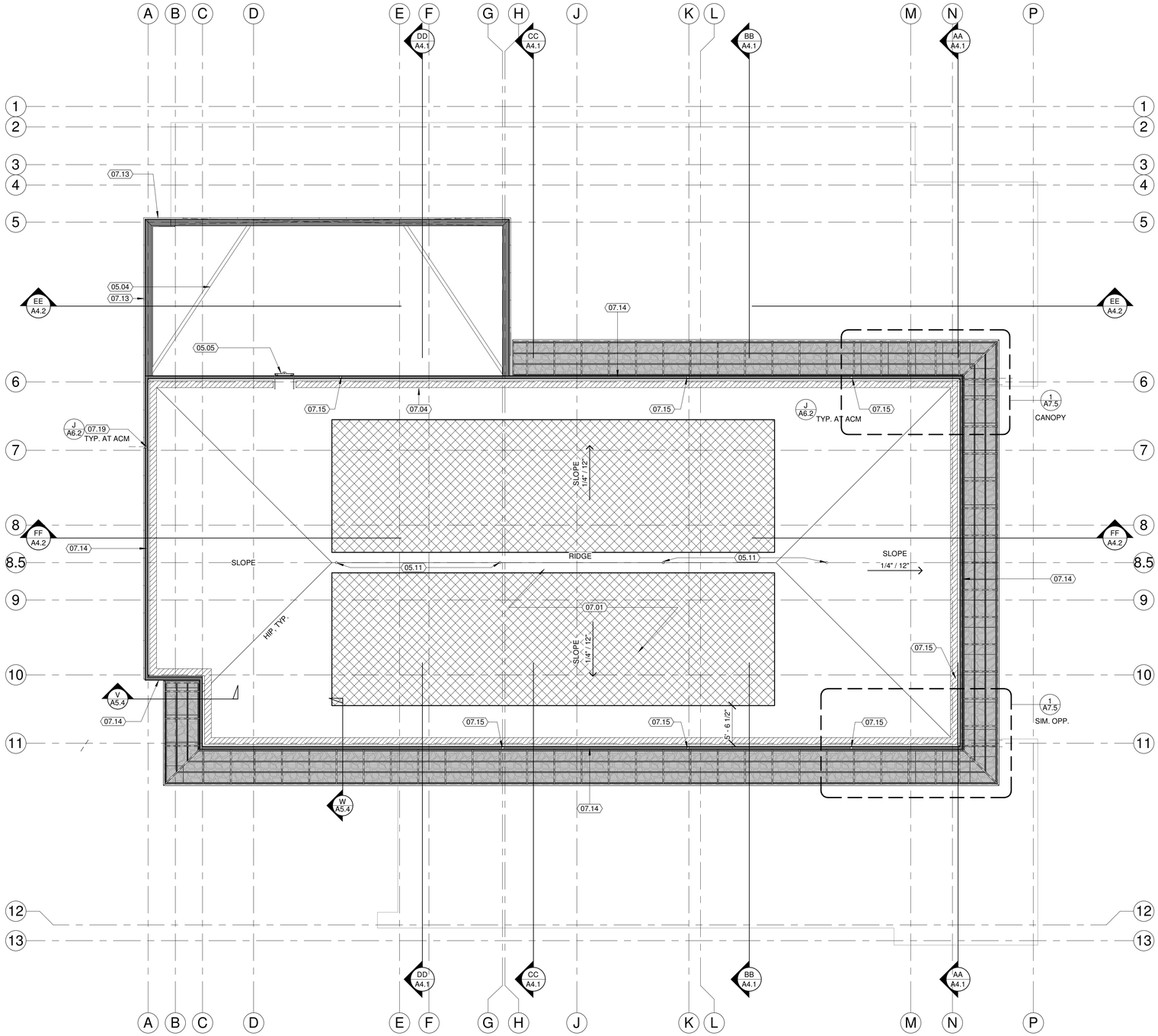
ROOF PLAN - LOW

A7.1

[redacted]

8/26/2024 3:28:36 PM

Copyright WMB, Inc.



ROOF PLAN - HIGH

1/8" = 1'-0"

ROOF LEGEND

ROOF SURFACE IS SINGLE PLY ROOFING MEMBRANE ov/ 1/2" COVER BD ov/ INSUL. (R-30 MIN) U.N.O.

- STABILIZED ALUMINUM FOAM PANEL - OPEN BOTH SIDES- ADHERED ov/ ALUMINUM 'Z' FURRING
- STABILIZED ALUMINUM FOAM PANEL -CLOSED ONE SIDE - ADHERED ov/ ALUMINUM 'Z' FURRING
- PREFINISHED STANDING SEAM METAL ROOFING ov/ 1/2" COVER BOARD ov/ RIGID STONE WOOL INSUL.
  AEPSPAN SPAN-LOK HP. COLOR: COOL OLD TOWN GRAY
- PHOTOVOLTAIC ARRAY INSTALLATION AREA. REF ELECTRICAL DWGS

KEYNOTES

05.04 PARAPET BRACE. REF. STRUCT. DWGS.
05.05 WALL MOUNTED ALUMINUM LADDER WITH WALK THRU
05.11 PREENGINEERED JOIST WRAP ROOF ANCHOR TIE-OFF DEVICE.
07.01 SINGLE PLY ROOFING MEMBRANE ov/ ½" COVER BD.
07.04 SINGLE PLY SAFETY STRIP BY THE ROOFING MANUFACTURER
07.13 24 GA. GALV. SHEET METAL SLOPED PARAPET CAP FLASHING BEHIND ACM PARAPET FACE.
07.14 24 GA. PRE-FINISHED SHEET METAL GUTTER FORMED FROM SHEET STOCK TO MATCH ACM
07.15 3"x4" 24 GA. PREFINISHED SHEET METAL DOWNSPOUT FORMED FROM SHEET STOCK TO MATCH ACM - DAYLIGHT TO LOW ROOF. FASTEN ABOVE AND BELOW TO SPAN TRANSLUCENT PANEL CLERESTORY WHERE OCCURS.
07.19 3"x4" 24 GA. PREFINISHED SHEET METAL DOWNSPOUT FORMED FROM SHEET STOCK TO MATCH ACM - SPILL TO SPLASH BLOCK

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY

Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED ARCHITECT SAMUEL G. [illegible] 31-25 STATE OF CALIFORNIA

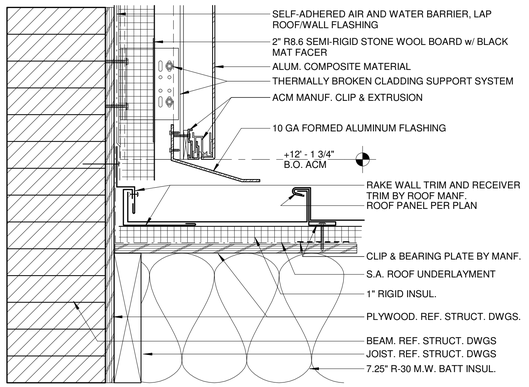
NOT FOR CONSTRUCTION

08.23.24	BID SET

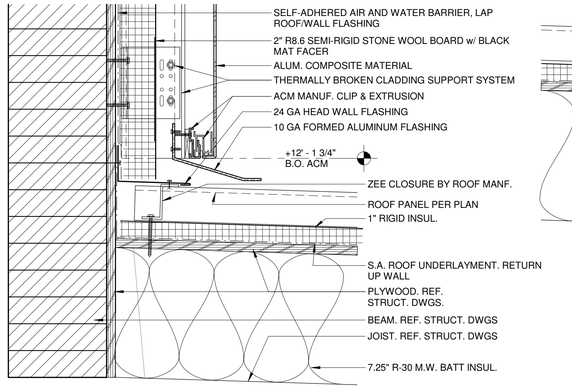
ROOF PLAN - HIGH

A7.2

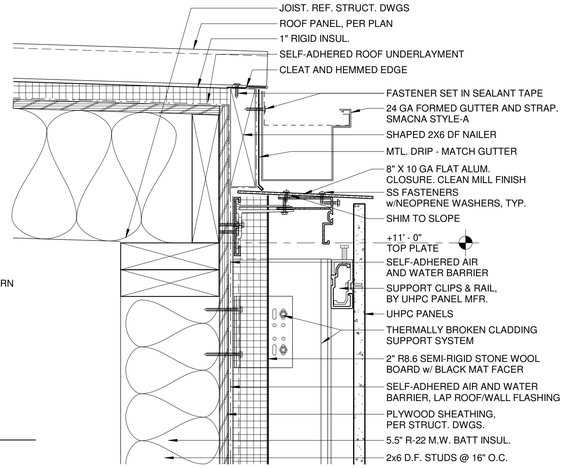
8/26/2024 3:28:37 PM Copyright WMB, Inc.



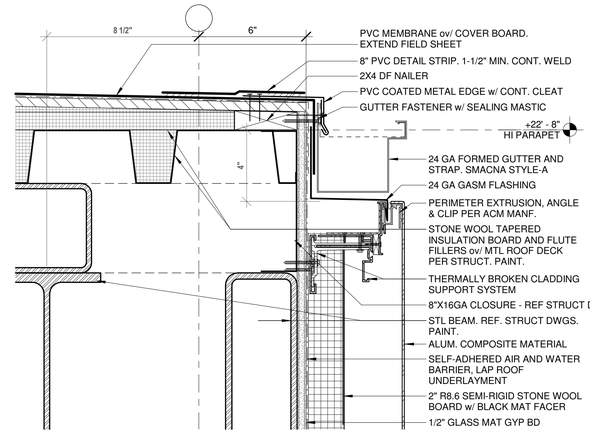
J ACM RAKE TO METAL ROOF
3" = 1'-0"



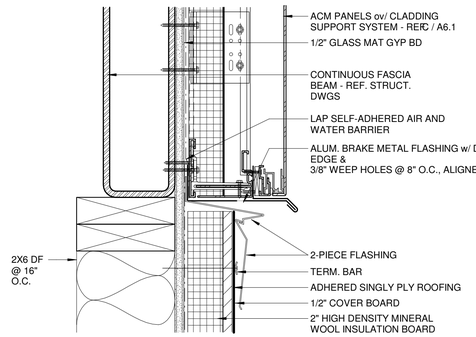
F ACM TO METAL ROOF
3" = 1'-0"



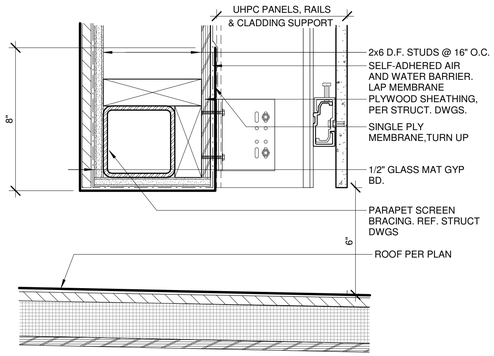
E GUTTER AT METAL ROOF
3" = 1'-0"



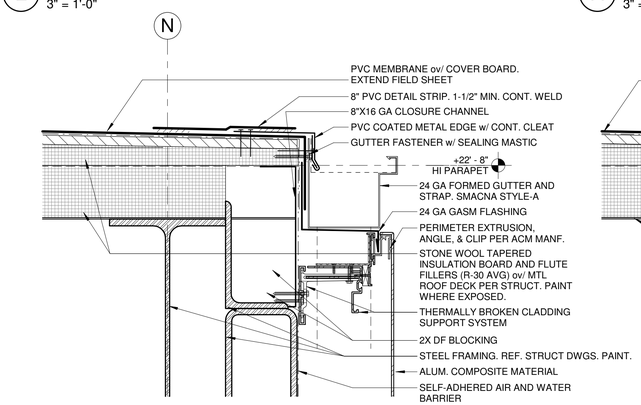
A GUTTER AT HI ROOF - GRID 6 & 11
3" = 1'-0"



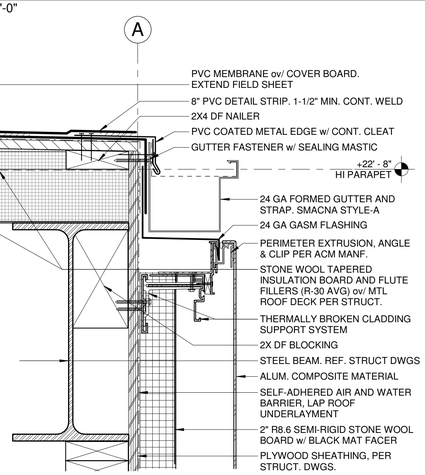
I ACM TO SINGLE PLY @ MECH. WELL
3" = 1'-0"



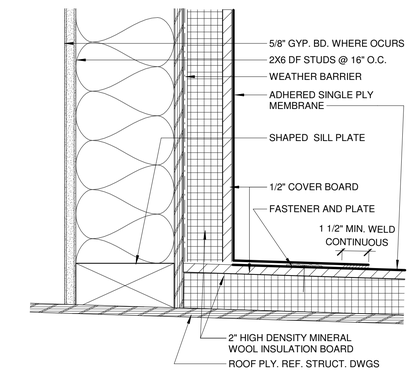
G MECH WELL SCREEN TO ROOF
3" = 1'-0"



D GUTTER AT HI ROOF - GRID N
3" = 1'-0"

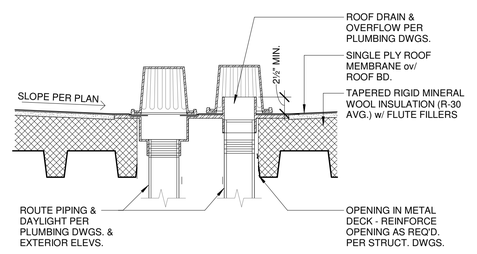


A GUTTER AT HI ROOF - GRID A & 10
3" = 1'-0"



H MECH WELL WALL TO ROOF
3" = 1'-0"

roof tie off



C ROOF DRAIN AND OVERFLOW
1 1/2" = 1'-0"

WMB ARCHITECTS
5757 Pacific Avenue
Suite 226
Stockton, CA 95207
2000 L Street
Suite 125
Sacramento, CA 95811
T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
Walnut Park Library
2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED ARCHITECT SAMUEL G. WILLIAMS C-47,7 6-31-25 STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

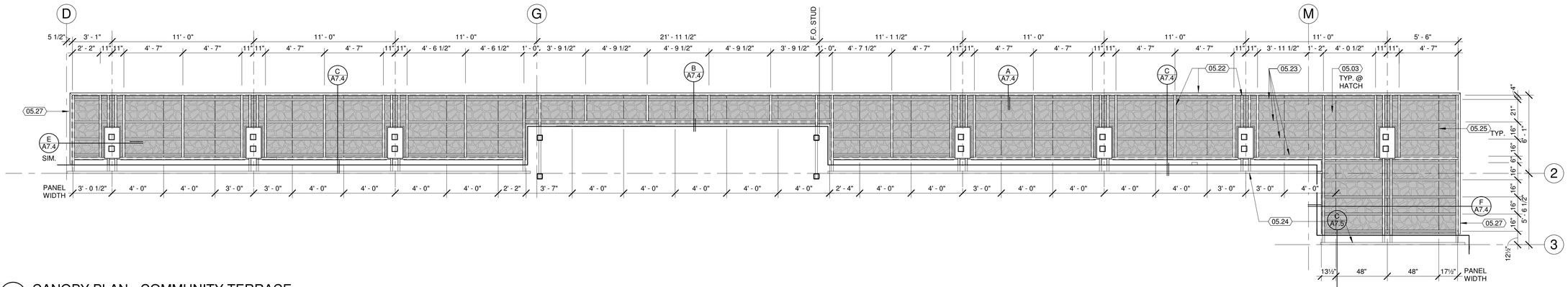
08.23.24	BID SET

ROOF DETAILS

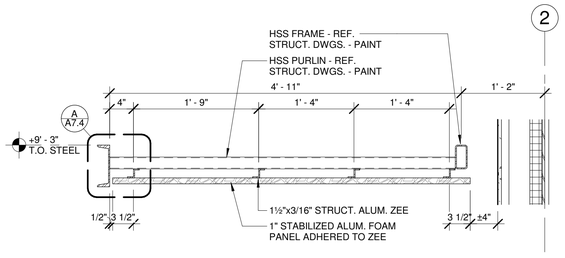
A7.3

8/26/2024 3:28:38 PM

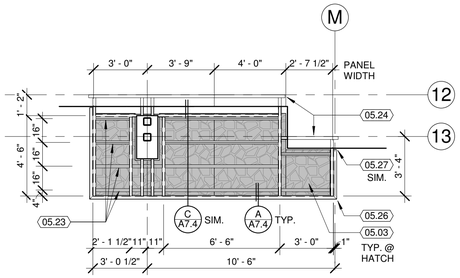
Copyright WMB, Inc.



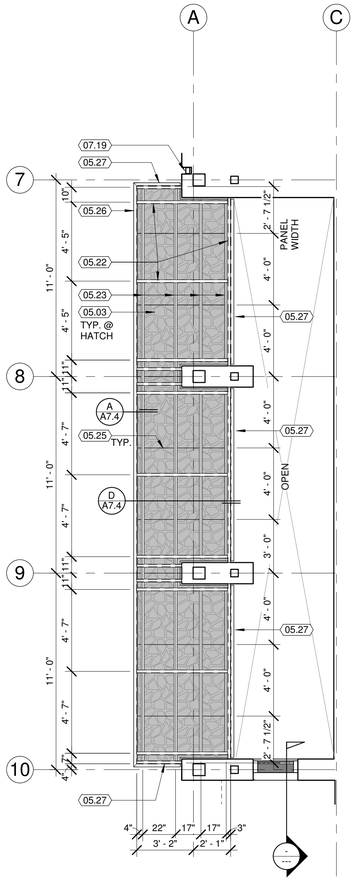
1 CANOPY PLAN - COMMUNITY TERRACE
1/4" = 1'-0"



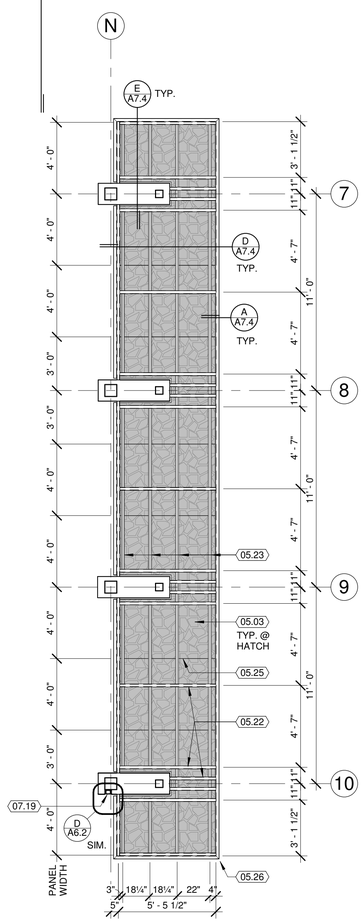
C CANOPY SECTION
1" = 1'-0"



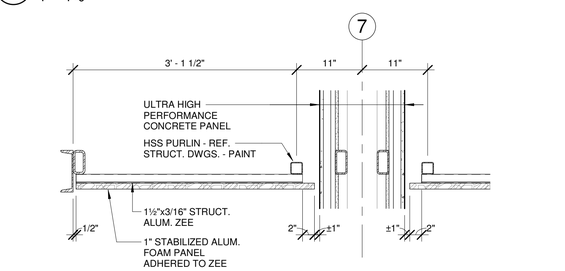
4 CANOPY PLAN - SOUTH ENTRY
1/4" = 1'-0"



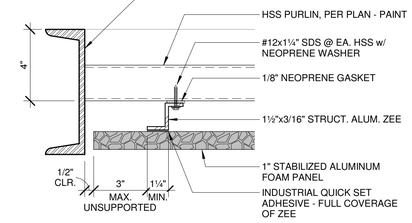
3 CANOPY PLAN - FOCAL GARDEN
1/4" = 1'-0"



2 CANOPY PLAN - ENTRY PLAZA
1/4" = 1'-0"

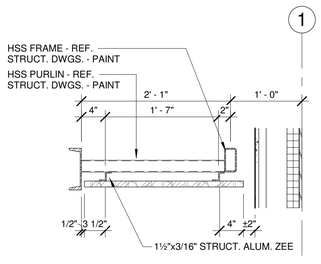


D CANOPY SECTION
1" = 1'-0"

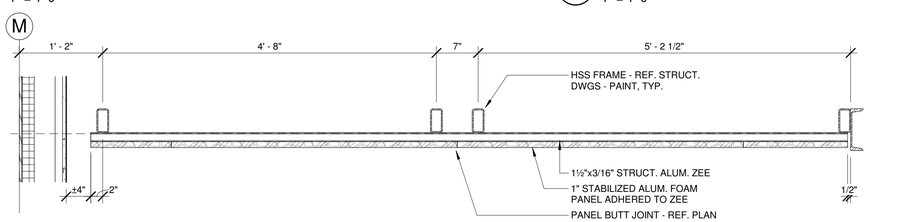


A CANOPY FASCIA
3" = 1'-0"

E CANOPY SECTION
1" = 1'-0"



B CANOPY SECTION
1" = 1'-0"



F CANOPY SECTION
1" = 1'-0"

KEYNOTES

05.03 STABILIZED ALUMINUM FOAM PANELS ADHERED ov/ ALUM. ZEE FRAMING
05.22 HSS FRAME/PURLIN - REF. STRUCT. DWGS - PAINT
05.23 1½"x3/16" STRUCTURAL ALUMINUM ZEE - PROVIDE NEOPRENE GASKET BETWEEN DISIMILAR METALS
05.24 HSS LEDGER - REF. STRUCT. DWGS
05.25 PANEL BUTT JOINT
05.26 CONTINUOUS STEEL CHANNEL FASCIA - MITER CORNER - PAINT
05.27 STEEL CHANNEL FASCIA - HOLD BACK 1/2" FROM FACE OF UHPC PANEL. TYP. EA SIDE
07.19 3"x4" 24 GA. PREFINISHED SHEET METAL DOWNSPOUT FORMED FROM SHEET STOCK TO MATCH ACM - SPILL TO SPLASH BLOCK

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY

Walnut Park Library
2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED ARCHITECT SAMUEL G. MCCRACKEN STATE OF CALIFORNIA 12-31-25 NOT FOR CONSTRUCTION

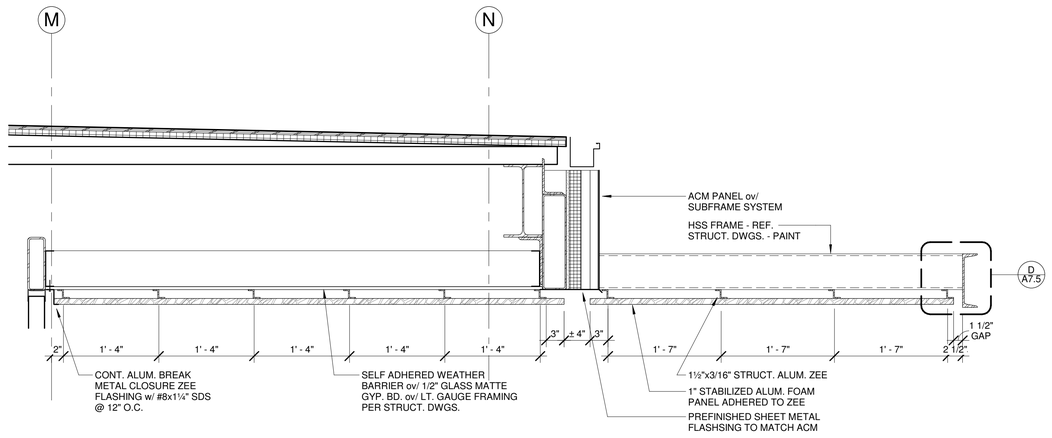
08.23.24	BID SET

ENLARGED ROOF PLAN - CANOPIES

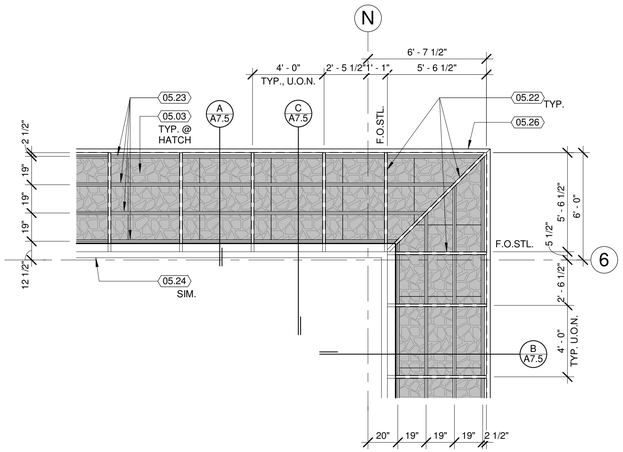
A7.4

8/26/2024 3:28:40 PM

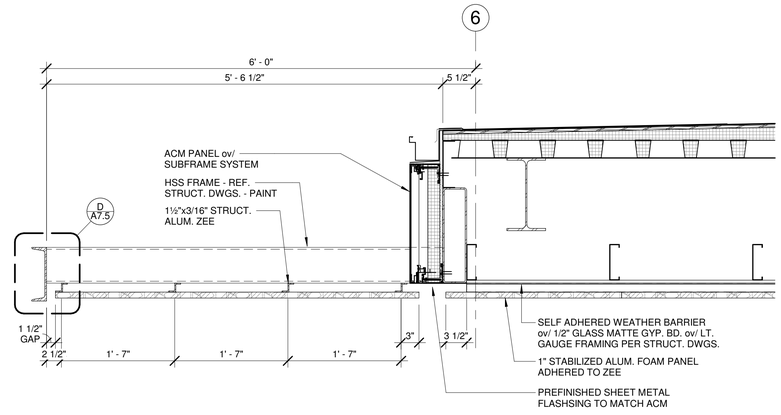
Copyright WMB, Inc.



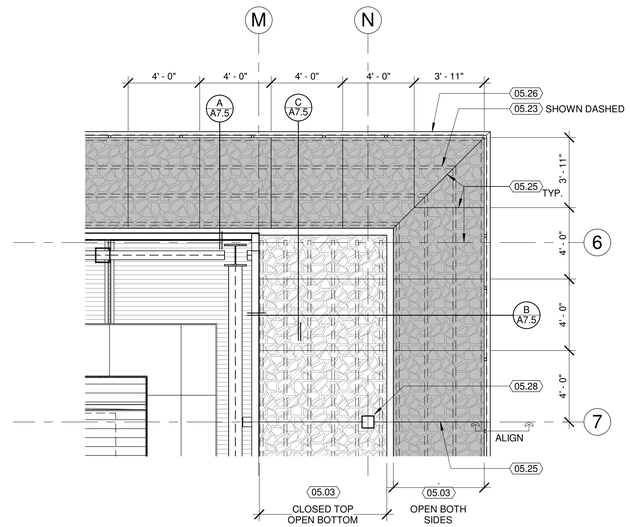
B HIGH ROOF & SOFFIT
1" = 1'-0"



1 CANOPY PLAN - HIGH ROOF
1/4" = 1'-0"



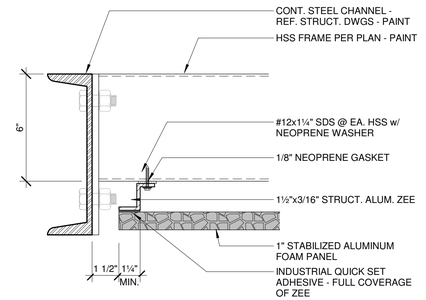
C HIGH ROOF & SOFFIT EDGE
1" = 1'-0"



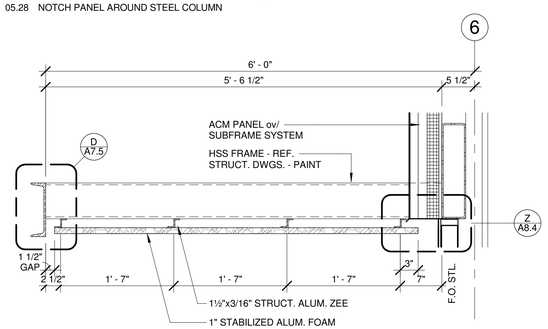
2 CANOPY RCP - HIGH ROOF
1/4" = 1'-0"

KEYNOTES

05.03 STABILIZED ALUMINUM FOAM PANELS ADHERED ov/ ALUM. ZEE FRAMING
05.22 HSS FRAME/PURLIN - REF. STRUCT. DWGS - PAINT
05.23 1½"x3/16" STRUCTURAL ALUMINUM ZEE - PROVIDE NEOPRENE GASKET BETWEEN DISIMILAR METALS
05.24 HSS LEDGER - REF. STRUCT. DWGS
05.25 PANEL BUTT JOINT
05.26 CONTINUOUS STEEL CHANNEL FASCIA - MITER CORNER - PAINT
05.28 NOTCH PANEL AROUND STEEL COLUMN



D CANOPY FASCIA - HIGH ROOF
3" = 1'-0"



A HIGH ROOF CANOPY SECTION
1" = 1'-0"

WMB
ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY
LIBRARY
Walnut Park Library
2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED ARCHITECT
SAMUEL G. WOLFF
No. C-31447
8-31-25
STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

08.23.24	BID SET

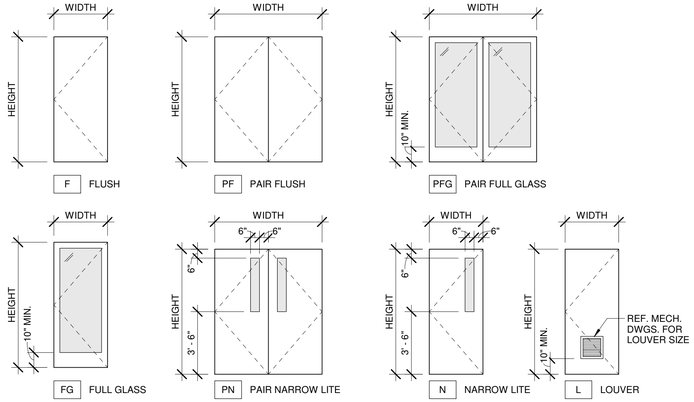
HIGH ROOF CANOPY

A7.5

8/26/2024 3:28:42 PM

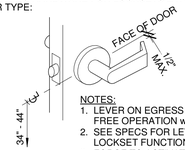
Copyright WMB, Inc.

DOOR PANEL TYPES



GENERAL NOTES

1. MAXIMUM VERTICAL OFFSET AT DOOR THRESHOLD SHALL BE 1/4" VERTICAL OR 1/2" IF BEVELED - REFER TO THRESHOLD DETAIL(S).
2. ALL DOORS THAT ARE PART OF THE MEANS OF EGRESS SHALL BE EQUIPPED WITH HARDWARE THAT OPENS THE DOOR FROM THE INTERIOR WITHOUT SPECIAL KNOWLEDGE, EFFORT, OR A KEY.
3. MAXIMUM DOOR OPENING EFFORT SHALL BE 5# AT NON-RATED DOORS AND 15# AT FIRE RATED DOORS.
4. ALL FIRE RATED DOORS SHALL BE SELF-CLOSING, SELF-LATCHING, LISTED AND LABELED BY TESTING AGENCY, AND SHALL HAVE SMOKE SEALS. EXIT DEVICES ON FIRE RATED DOORS SHALL BE FIRE RATED WITHOUT DOGGING CAPABILITY.
5. SEE SPECIFICATIONS FOR DOOR HARDWARE SETS AND PRODUCTS.
6. ALL GLASS IN DOOR PANELS TO BE TEMPERED.
7. ALL GLAZING MATERIAL IN FIRE RATED DOOR ASSEMBLIES SHALL BE TESTED IN ACCORDANCE WITH NFPA 257 OR UL 9, INCLUDING THE HOSE STREAM TEST (GLAZING IN 20-MINUTE FIRE DOOR ASSEMBLIES SHALL BE EXEMPT FROM THE HOSE STREAM TEST).
8. REFER TO SHEET A10.1 FOR FINISH CODE LEGEND
9. SCHEDULED DETAILS REFER TO DETAILS ON THIS SHEET U.O.N.
10. OPERATING HARDWARE FOR LOCKSETS/LATCHSETS SHALL BE LEVER TYPE:



NOTES:
1. LEVER ON EGRESS SIDE SHALL PROVIDE FREE OPERATION w/o USE OF KEY
2. SEE SPECS FOR LEVER TYPE AND LOCKSET FUNCTION
3. FORCE TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUNDS MAX.

GLAZING LEGEND

G1 - 1" INSULATED DUAL-PANE GLASS
EXT PANE - 1/4" CLEAR w/ LOW-E COATING
AIR GAP - 1/2"
INT. PANE - 1/4" CLEAR

G2 - 1/4" CLEAR SINGLE-PANE GLASS

G3 - 3 FORM - STYLE: CALYPSO B23 - MATERIAL: CHROMA 1", FINISH: VELLUM F04

G4 - 3 FORM - STYLE: CALYPSO B23 - MATERIAL: LAMINATED GLASS 5/16", FINISH: LOW IRON

G5 - 3 FORM - STYLE: MATISSE B24 - MATERIAL: LAMINATED GLASS 5/16", FINISH: LOW IRON

G6 - 3 FORM - STYLE: KILT G55 - MATERIAL: LAMINATED GLASS 5/16", FINISH: LOW IRON

G7 - 3 FORM - STYLE: REDWOOD N31 - MATERIAL: LAMINATED GLASS 5/16", FINISH: LOW IRON

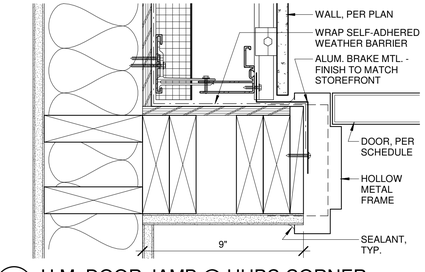
CONTACT: Johnny Kung
Materials Consultat - 3Form
C. 510.898.8211
E. johnny.kung@3-form.com

G8 - 3/8" CLEAR SINGLE-PANE GLASS

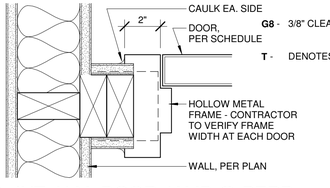
T - DENOTES TEMPERED GLASS AT HAZARDOUS LOCATIONS

DOOR SCHEDULE

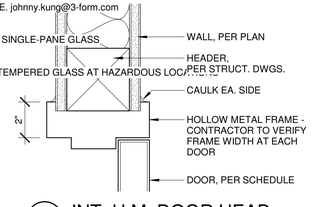
NO.	HDWR SET	SIZE		PANEL						FRAME			FIRE RATING	DETAILS				COMMENTS
		WIDTH	HEIGHT	TYPE	THK	MATERIAL	GLASS	FINISH	COLOR	MATERIAL	FINISH	COLOR		HEAD	JAMB	JAMB	THD.	
100.1		9' - 8 1/2"	7' - 4"		1 3/4"	ALUM. / GLASS	G1	ANODIZED	CLEAR	ALUM.	ANODIZED	CLEAR	None	G/A8.1	H/A8.1	H/A8.1	J/A8.1	AUTOMATIC SLIDING DOOR w/ RECESSED PANIC & EMERG BREAKOUT
101.1	003	3' - 0"	8' - 0"	F	1 3/4"	H.M.	-	PAINT		H.M.	PAINT		-	P/A8.1	Q/A8.1	Q/A8.1	S/A8.1	
101.2	002	3' - 0"	8' - 0"	FG	1 3/4"	ALUM. / GLASS	G1	ANODIZED	CLEAR	ALUM. SF.	ANODIZED	CLEAR	-	D/A8.1	E/A8.1	C/A8.1	F/A8.1	
102.1	001	3' - 0"	8' - 0"	FP	1 3/4"	ALUM. / PANEL	-	ANODIZED	CLEAR	ALUM. SF.	ANODIZED	CLEAR	-	D/A8.1	E/A8.1	C/A8.1	F/A8.1	
102.2	017	3' - 0"	8' - 0"	N	1 3/4"	WD / GLASS	G2	PL2		ALUM. SF.	ANODIZED	CLEAR	-	A/A8.1	R/A8.1	C/A8.1		CARD READER
102.3	019	3' - 0"	8' - 0"	N	1 3/4"	WD / GLASS	G2	PL2		ALUM. SF.	ANODIZED	CLEAR	-	A/A8.1	M/A8.1	C/A8.1		
102.4	001	3' - 0"	8' - 0"	FP	1 3/4"	ALUM. / PANEL	-	ANODIZED	CLEAR	ALUM. SF.	ANODIZED	CLEAR	-	D/A8.1	E/A8.1	C/A8.1	F/A8.1	
102.5	001	3' - 0"	8' - 0"	FP	1 3/4"	ALUM. / PANEL	-	ANODIZED	CLEAR	ALUM. SF.	ANODIZED	CLEAR	-	D/A8.1	E/A8.1	C/A8.1	F/A8.1	
102.6	006	3' - 0"	8' - 0"	FP	1 3/4"	ALUM. / PANEL	-	ANODIZED	CLEAR	ALUM. SF.	ANODIZED	CLEAR	-	D/A8.1	E/A8.1	C/A8.1	F/A8.1	CARD READER
103.1	013	3' - 0"	8' - 0"	F	1 3/4"	WOOD	-	PL2		H.M.	PAINT		-	K/A8.1	L/A8.1	L/A8.1		
104.1	007	3' - 0"	8' - 0"	FG	1 3/4"	ALUM. / GLASS	G2	ANODIZED	CLEAR	ALUM. SF.	ANODIZED	CLEAR	-	A/A8.1	C/A8.1	C/A8.1		
105.1	003	3' - 0"	8' - 0"	F	1 3/4"	H.M.	-	PAINT		H.M.	PAINT		-	P/A8.1	Q/A8.1	Q/A8.1	S/A8.1	
106.1	010	6' - 0"	8' - 0"	PF	1 3/4"	WOOD	-	PL2		H.M.	PAINT		-	K/A8.1	L/A8.1	L/A8.1		
108.1	012	3' - 6"	8' - 0"	F	1 3/4"	WOOD	-	LAMINATE	PL2	H.M.	PAINT		-	K/A8.1	L/A8.1	L/A8.1		CARD READER
109.1	004	3' - 0"	8' - 0"	F	1 3/4"	H.M.	-	PAINT		H.M.	PAINT		-	P/A8.1	R/A8.1	Q/A8.1	S/A8.1	
110.1	005	6' - 0"	8' - 0"	PN	1 3/4"	H.M. / GLASS	G1	PAINT		H.M.	PAINT		-	P/A8.1	R/A8.1	Q/A8.1	S/A8.1	CARD READER
110.2	009	6' - 0"	8' - 0"	PN	1 3/4"	WOOD / GLASS	G2	LAMINATE		H.M.	PAINT		45 MIN.	K/A8.1	L/A8.1	L/A8.1		
111.1	011	6' - 0"	8' - 0"	PN	1 3/4"	WOOD / GLASS	G2	LAMINATE		H.M.	PAINT		-	K/A8.1	N/A8.1	N/A8.1		CARD READER
114.1	014	3' - 0"	8' - 0"	F	1 3/4"	WOOD	-	LAMINATE		H.M.	PAINT		-	K/A8.1	L/A8.1	L/A8.1		
115.1	008	3' - 0"	8' - 0"	FG	1 3/4"	ALUM. / GLASS	G2	ANODIZED	CLEAR	ALUM. SF.	ANODIZED	CLEAR	-	A/A8.1	B/A8.1	C/A8.1		
116.1	007	3' - 0"	8' - 0"	FG	1 3/4"	ALUM. / GLASS	G2	ANODIZED	CLEAR	ALUM. SF.	ANODIZED	CLEAR	-	A/A8.1	B/A8.1	C/A8.1		
117.1	008	3' - 0"	7' - 10"	FG	1 3/4"	ALUM. / GLASS	G2	ANODIZED	CLEAR	ALUM. SF.	ANODIZED	CLEAR	-	A/A8.1		C/A8.1		
118.1	007	3' - 0"	8' - 0"	FG	1 3/4"	ALUM. / GLASS	G2	ANODIZED	CLEAR	ALUM. SF.	ANODIZED	CLEAR	-	A/A8.1	B/A8.1	C/A8.1		
119.1		3' - 0"	8' - 0"	FG	1 3/4"	WOOD / GLASS	G2	PL2		H.M.	PAINT		-	K/A8.1	M/A8.1	L/A8.1		
119.2	002	3' - 0"	8' - 0"	FG	1 3/4"	ALUM. / GLASS	G1	ANODIZED	CLEAR	ALUM. SF.	ANODIZED	CLEAR	-	D/A8.1	E/A8.1	C/A8.1	F/A8.1	
120.1	010	6' - 0"	8' - 0"	PF	1 3/4"	WOOD	-	PL2		H.M.	PAINT		-	K/A8.1	M/A8.1	L/A8.1		
121.1	015	3' - 0"	8' - 0"	F	1 3/4"	WOOD	-	PL2		H.M.	PAINT		-	K/A8.1	N/A8.1	L/A8.1		
122.1	015	3' - 0"	8' - 0"	F	1 3/4"	WOOD	-	PL2		H.M.	PAINT		-	K/A8.1	N/A8.1	L/A8.1		
123.1	012	3' - 0"	8' - 0"	L	1 3/4"	WOOD		PL2		H.M.	PAINT		-	K/A8.1	N/A8.1	L/A8.1		DOOR LOUVER - REF. MECH. DWGS. FOR LOUVER SIZE - CARD READER
124.1	015	3' - 0"	8' - 0"	F	1 3/4"	WOOD	-	PL2		H.M.	PAINT		-	K/A8.1	N/A8.1	L/A8.1		
126.1	012	3' - 0"	8' - 0"	F	1 3/4"	WOOD	-	PL2		H.M.	PAINT		-	K/A8.1	L/A8.1	L/A8.1		CARD READER
128.1	016	3' - 0"	8' - 0"	F	1 3/4"	WOOD	-	PL2		H.M.	PAINT		-	K/A8.1	N/A8.1	L/A8.1		LOW VOLTAGE DOOR OPERATOR
129.1	016	3' - 0"	8' - 0"	F	1 3/4"	WOOD	-	PL2		H.M.	PAINT		-	K/A8.1	L/A8.1	L/A8.1		LOW VOLTAGE DOOR OPERATOR
130.1	012	3' - 0"	8' - 0"	F	1 3/4"	WOOD	-	LAMINATE		H.M.	PAINT		-	K/A8.1	M/A8.1	N/A8.1		CARD READER
131.1	014	3' - 0"	8' - 0"	N	1 3/4"	WOOD / GLASS	G2	PL2		H.M.	PAINT		-	K/A8.1	N/A8.1	L/A8.1		
132.1	015	3' - 0"	8' - 0"	F	1 3/4"	WOOD	-	PL2		H.M.	PAINT		-	K/A8.1	N/A8.1	L/A8.1		
133.1	001	3' - 0"	8' - 0"	FG	1 3/4"	ALUM. / GLASS	G1	ANODIZED	CLEAR	ALUM. SF.	ANODIZED	CLEAR	-	D/A8.1	R/A8.1	C/A8.1	F/A8.1	
134.1	017	3' - 0"	8' - 0"	N	1 3/4"	WOOD / GLASS	G2	PL2		H.M.	PAINT		-	K/A8.1	N/A8.1	L/A8.1		CARD READER
200.1	020	3' - 0"	4' - 0"	F	1 3/4"	H.M.	-	PAINT		H.M.	PAINT		-					MECH. ACCESS @ ROOF



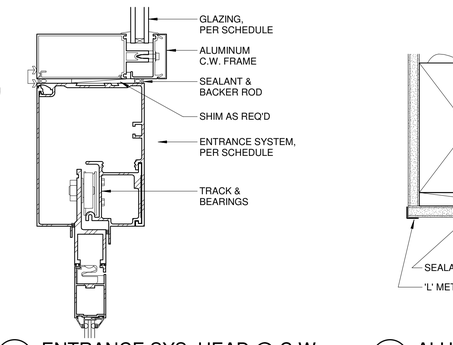
R H.M. DOOR JAMB @ UHPC CORNER
3" = 1'-0"



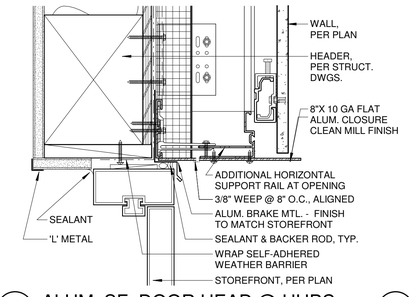
N INT. H.M. DOOR JAMB @ PERP.
3" = 1'-0"



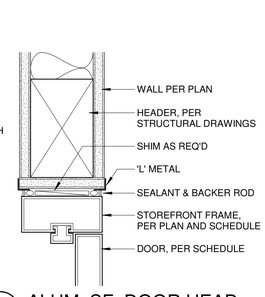
K INT. H.M. DOOR HEAD
3" = 1'-0"



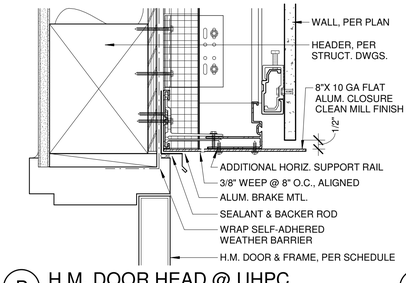
G ENTRANCE SYS. HEAD @ C.W.
3" = 1'-0"



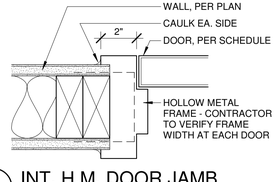
D ALUM. SF. DOOR HEAD @ UHPC
3" = 1'-0"



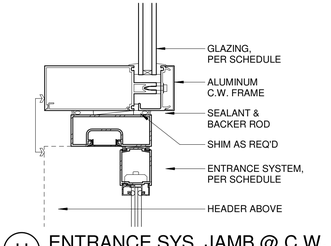
A ALUM. SF. DOOR HEAD
3" = 1'-0"



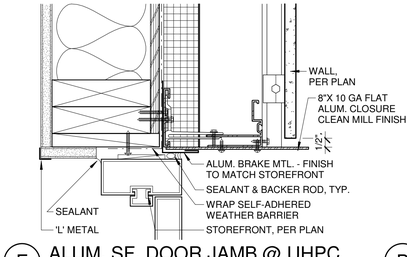
P H.M. DOOR HEAD @ UHPC
3" = 1'-0"



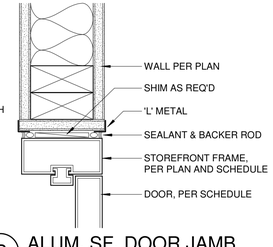
L INT. H.M. DOOR JAMB
3" = 1'-0"



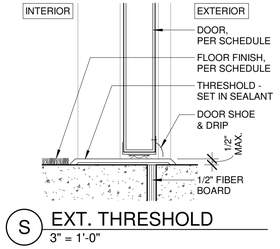
H ENTRANCE SYS. JAMB @ C.W.
3" = 1'-0"



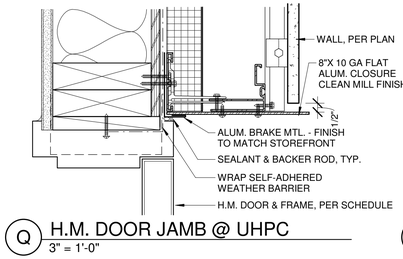
E ALUM. SF. DOOR JAMB @ UHPC
3" = 1'-0"



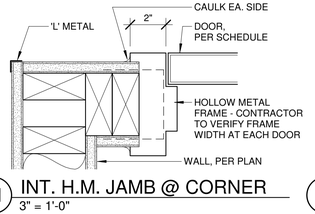
B ALUM. SF. DOOR JAMB
3" = 1'-0"



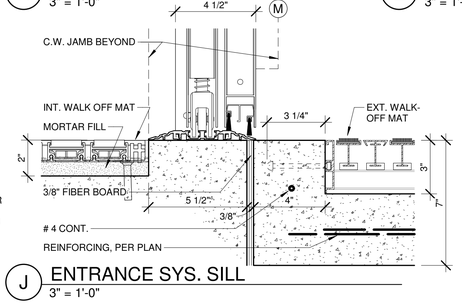
S EXT. THRESHOLD
3" = 1'-0"



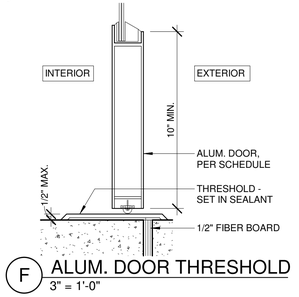
Q H.M. DOOR JAMB @ UHPC
3" = 1'-0"



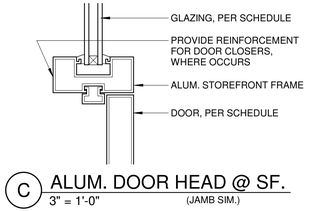
M INT. H.M. JAMB @ CORNER
3" = 1'-0"



J ENTRANCE SYS. SILL
3" = 1'-0"



F ALUM. DOOR THRESHOLD
3" = 1'-0"



C ALUM. DOOR HEAD @ SF.
3" = 1'-0" (JAMB SIM.)

WMB ARCHITECTS
5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
Walnut Park Library
2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED ARCHITECT SAMUEL G. WILLIAMS 31747 REN. 08-31-25 STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

08.23.24	BID SET

DOOR SCHEDULE

A8.1

8/26/2024 3:28:43 PM

Copyright WMB, Inc.

PIVOTING PANELS SPECIFICATIONS

1.1 SUMMARY

PROVIDE AND INSTALL OVERSIZE ALUMINUM HONEYCOMB PIVOTING DOORS AS SHOWN ON THE DRAWINGS AND SPECIFIED

1.2 GENERAL REQUIREMENTS

THIS SPECIFICATION SHALL BE PERFORMED IN ACCORDANCE WITH THE GENERAL CONDITIONS, SUPPLEMENTARY CONDITIONS AND ALL SECTIONS IN DIVISION 1 OF THE PROJECT SPECIFICATIONS. THESE DOCUMENTS MUST BE READ WITH THE OTHER CONTRACT DOCUMENTS AND SECTIONS AS A WHOLE TO COMPLETE THE INTENT OF THE CONTRACT

1.3 SUBMITTALS

MAKE SUBMITTALS TO THE ARCHITECT IN ACCORDANCE WITH THE PROVISIONS OF SECTION 013323 OF THE PROJECT SPECIFICATIONS

SHOP DRAWINGS: ILLUSTRATE DOOR OPENING CRITERIA, ELEVATIONS, SIZES, TYPES, SWINGS, UNDERCUTS, SPECIAL BEVELING, BLOCKING FOR HARDWARE IN ALUMINUM CORE DOORS, IDENTIFY CUTOUTS

PRODUCT DATA: INDICATE DOOR AND CLADDING MATERIALS, HARDWARE, THICKNESS, CONSTRUCTION, AND LAMINATE FINISH

2.1 MANUFACTURER

PANELS: BASIS OF DESIGN: HEXCORES ENGINEERED ALUMINUM HONECOMB CORE CUSTOM DOORS AS MANUFACTURED BY: HEXCORES, 1900 7TH ST, UNIT B, RICHMOND, CA 94801
CONTACT: GREG GOMES. GREG@HEXCORES.COM 510.685.0591

HARDWARE: PROVIDE DOOR HARDEWARE FOR EACH PANEL TO COMPLY WITH THE HARDWARE SET LISTED BELOW. PRODUCT DESIGNATION AND MANUFACTURER ARE LISTED FOR THE PURPOSE OF ESTABLISHING REQUIREMENTS.

SUBSTITUTIONS: REQUESTS FOR SUBSTITUTION AND PRODUCT APPROVAL IN COMPLIANCE WITH THE SPECIFICATIONS MUST BE SUBMITTED IN WRITING AND IN ACCORDANCE WITH THE PROCEDURES AND TIME FRAMES OUTLINED IN DIVISION 01 OF THE PROJECT SPECIFICATIONS APPROVAL OF REQUESTS IS AT THE DISCRETION OF THE ARCHITECT, OWNER, AND THEIR DESIGNATED CONSULTANTS.

3.1 PRODUCTS & MATERIALS

HONEYCOMB ALUMINUM: 1-3/4" 1/4" CELL

ENGINEERED LUMBER STILES AND RAILS: LAMINATED VENEER LUMBER, 5" RAILS, 2 - 3/8" STILES, SECURELY BONDED TO CORE

PLYWOOD DOOR CLADDING: SIGN GRADE MEDIUM DENSITY OVERLAY BOARD BEARING AN APA A-A RATING. PRIMED.

LAMINATE PLANKS: HIGH PRESSURE DECORATIVE LAMINATES COMPLYING WITH NEMA LD 3, GRADE HGS. WILSONART, SAP WALNUT 8221. EDGED WITH HPDL EDE BAND.

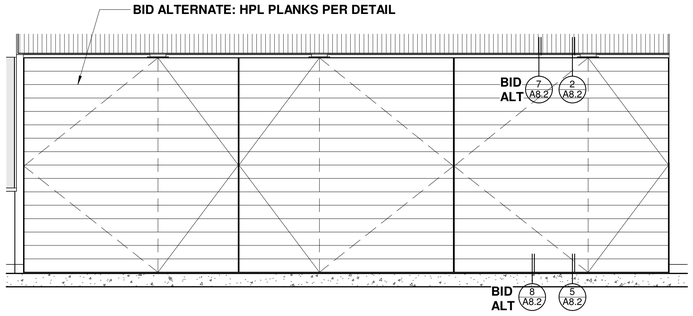
3.2 HARDWARE

PROVIDE AND INSTALL HARDWARE AT EACH PANEL IN QUANTITIES INDICATED ON DRAWINGS

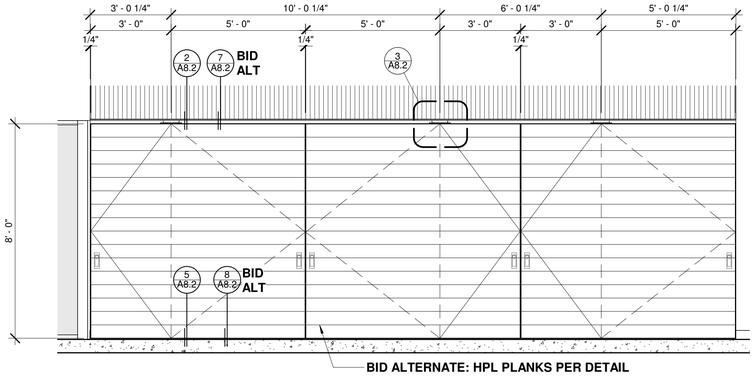
PIVOT SYSTEM:
BASIS OF DESIGN: FRITSJURGENS SYSTEM ONE TOP PIVOT REVERSE PIVOT HINGE SET:
360° FREE SWINGING WITHOUT HOLD POSITIONS
ALL COMPONENTS ARE MADE OF HARDENED STAINLESS STEEL AND ANODIZED ALUMINUM.
PIVOT POSITION VARIABLE, MINIMALLY 70 MM FROM THE EDGE OF THE DOOR.
DOOR WEIGHT: UP TO 500 KG
FLOOR PLATE FLUSH SQUARED IN STAINLESS STEEL FINISH.
VISIBLE PARTS FINISHED IN STAINLESS STEEL

VERTICAL ROD LOCK (2 PER PANEL):
BASIS OF DESIGN: ACCURATE LOCK AND HARDWARE 9500VR VERTICAL ROD LOCK
VERTICAL ROD LOCKING TO FLOOR, RECESSED TRIM WITH DEAD BOLT CYLINDER ONE SIDE

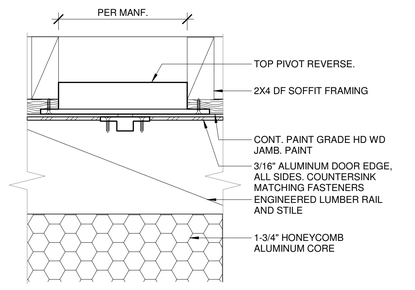
CS2002 FLUSH PULL. 9500VRB-1 FUNCTION. US26D FINISH .
IVES DP2 US26D DUST PROOF STRIKE, 2 PER LOCK (4 PER PANEL) . INSTALL FOR 90° OPEN AND FULLY CLOSED POSITIONS



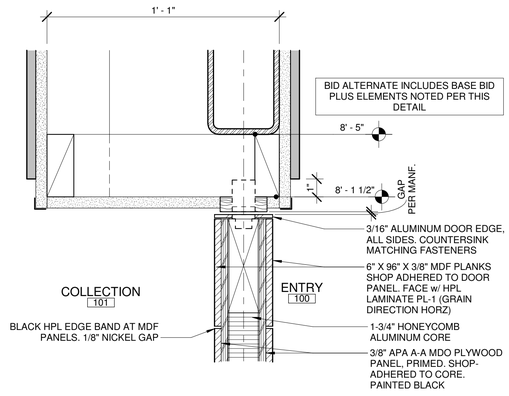
4 PIVOTING PANEL - ENTRY
3/8" = 1'-0"



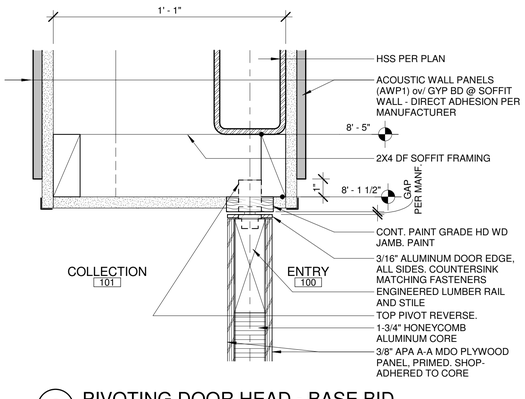
1 PIVOTING PANEL - COLLECTION
3/8" = 1'-0"



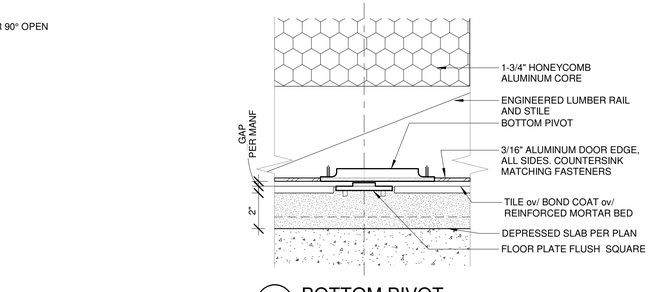
3 TOP PIVOT
3" = 1'-0"



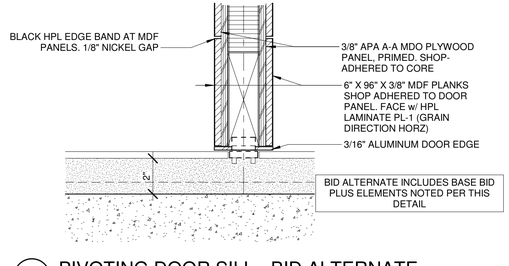
7 PIVOTING DOOR HEAD - BID ALTERNATE
3" = 1'-0"



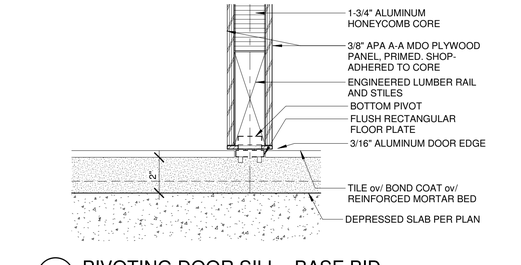
2 PIVOTING DOOR HEAD - BASE BID
3" = 1'-0"



6 BOTTOM PIVOT
3" = 1'-0"



8 PIVOTING DOOR SILL - BID ALTERNATE
3" = 1'-0"



5 PIVOTING DOOR SILL - BASE BID
3" = 1'-0"

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
Walnut Park Library
2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED ARCHITECT SAMUEL G. WILLIAMS No. C-47 REN. 8-31-25 STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

08.23.24	BID SET

PIVOTING PANEL DETAILS

A8.2

8/26/2024 3:28:44 PM

Copyright WMB, Inc.

GLAZING LEGEND

G1 - 1" INSULATED DUAL-PANE GLASS
EXT PANE - 1/4" CLEAR w/ LOW-E COATING
AIR GAP - 1/2"
INT. PANE - 1/4" CLEAR

G2 - 1/4" CLEAR SINGLE-PANE GLASS

G3 - 3 FORM - STYLE: CALYPSO B23 - MATERIAL: CHROMA 1", FINISH: VELLUM F04

G4 - 3 FORM - STYLE: CALYPSO B23 - MATERIAL: LAMINATED GLASS 5/16", FINISH: LOW IRON

G5 - 3 FORM - STYLE: MATISSE B24 - MATERIAL: LAMINATED GLASS 5/16", FINISH: LOW IRON

G6 - 3 FORM - STYLE: KILT G55 - MATERIAL: LAMINATED GLASS 5/16", FINISH: LOW IRON

G7 - 3 FORM - STYLE: REDWOOD N31 - MATERIAL: LAMINATED GLASS 5/16", FINISH: LOW IRON

CONTACT: Johnny Kung
Materials Consultat - 3Form
C. 510.898.8211
E. johnny.kung@3-form.com

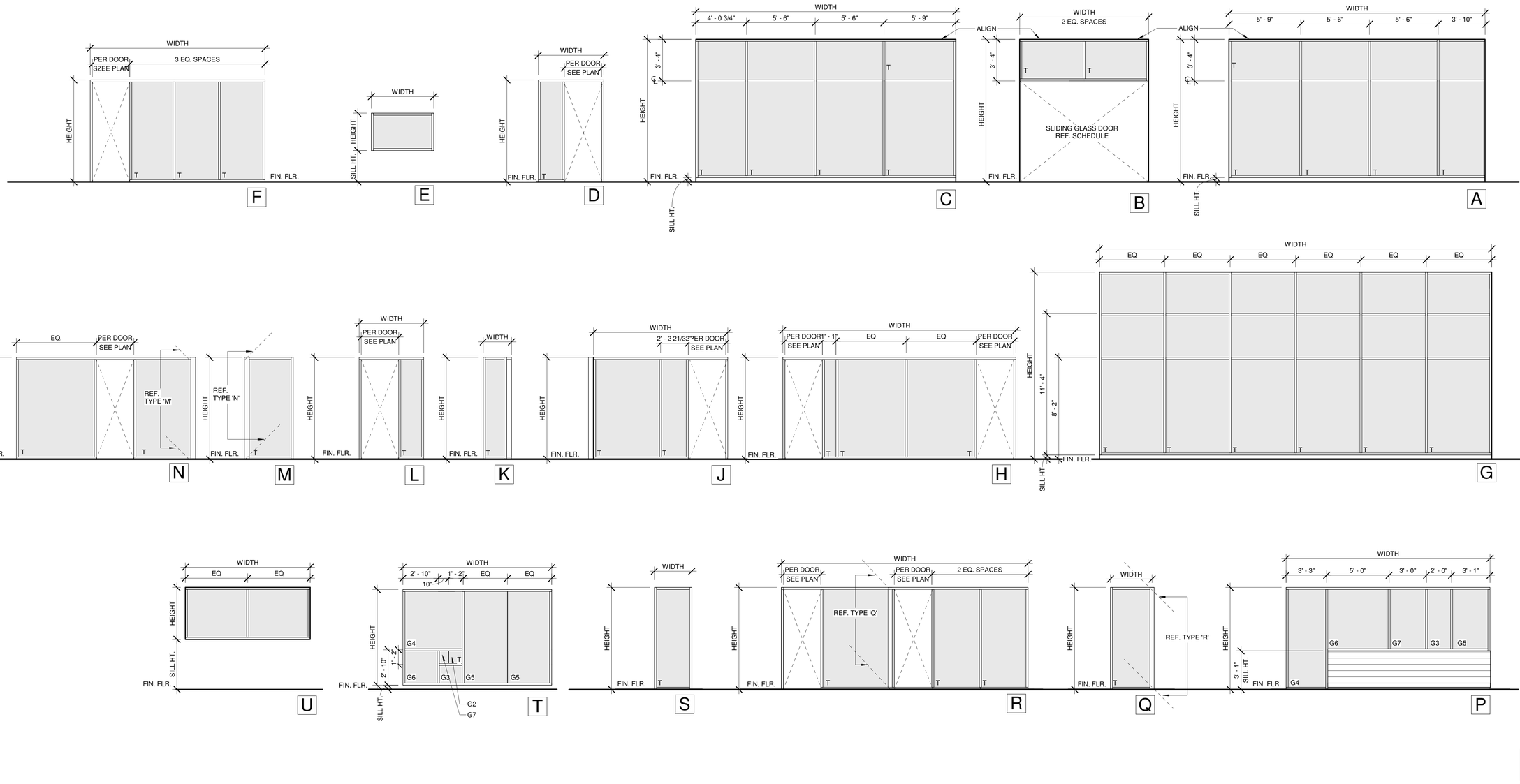
G8 - 3/8" CLEAR SINGLE-PANE GLASS

T - DENOTES TEMPERED GLASS AT HAZARDOUS LOCATIONS

GLAZED FRAME SCHEDULE

NO.	SIZE		ELEV.		SILL		FRAME			FIRE	DETAILS				COMMENTS
	WIDTH	HEIGHT	TYPE	GLAZING	HT.	OPERATION	MATERIAL	FINISH	COLOR	RATING	HEAD	JAMB	JAMB	SILL	
1	20' - 7"	11' - 1"	A	G1	0' - 4"	FIXED	ALUM. C.W.	ANODIZED	CLEAR	-	U/A8.4	V/A8.4	H/A8.1	W & X/A8.4	
2	10' - 4"	3' - 4"	B	G1	8' - 1"	FIXED	ALUM. C.W.	ANODIZED	CLEAR	-	U/A8.4			G/A8.1	
3	20' - 9 3/4"	11' - 1"	C	G1	0' - 4"	FIXED	ALUM. C.W.	ANODIZED	CLEAR	-	U/A8.4	V/A8.4	H/A8.1	W & X/A8.4	
4	5' - 3"	8' - 2"	D	G1	0' - 0"	FIXED	ALUM. SF.	ANODIZED	CLEAR	-	N/A8.4	P/A8.4		M/A8.4	
5	5' - 0"	3' - 0"	E	G1	2' - 6"	FIXED	ALUM. SF.	ANODIZED	CLEAR	-	N/A8.4	P/A8.4	P/A8.4	R/A8.4	
6	14' - 0"	8' - 2"	F	G1	0' - 0"	FIXED	ALUM. SF.	ANODIZED	CLEAR	-	N/A8.4	P/A8.4	P/A8.4	M/A8.4	
7	13' - 2"	8' - 2"	F	G1	0' - 0"	FIXED	ALUM. SF.	ANODIZED	CLEAR	-	N/A8.4	P/A8.4		M/A8.4	
8	31' - 5"	14' - 8"	G	G1	0' - 4"	FIXED	ALUM. C.W.	ANODIZED	CLEAR	-	EE/A8.4	V/A8.4 SIM	V/A8.4 SIM	S/A8.4	
9	4' - 0"	4' - 2"	E	G1	4' - 0"	FIXED	ALUM. SF.	ANODIZED	CLEAR	-	N/A8.4	P/A8.4	P/A8.4	R/A8.4	
10	4' - 0"	4' - 2"	E	G1	4' - 0"	FIXED	ALUM. SF.	ANODIZED	CLEAR	-	N/A8.4	P/A8.4	P/A8.4	R/A8.4	
11	10' - 0"	4' - 2"	U	G1	4' - 0"	FIXED	ALUM. SF.	ANODIZED	CLEAR	-	N/A8.4	P/A8.4	P/A8.4	R/A8.4	
12	10' - 0"	4' - 2"	U	G1	4' - 0"	FIXED	ALUM. SF.	ANODIZED	CLEAR	-	N/A8.4	P/A8.4	P/A8.4	R/A8.4	
13	18' - 8"	8' - 2"	H	G1	0' - 0"	FIXED	ALUM. SF.	ANODIZED	CLEAR	-	K/A8.4			M/A8.4	
14	10' - 9"	8' - 2"	J	G1	0' - 0"	FIXED	ALUM. SF.	ANODIZED	CLEAR	-	N/A8.4			M/A8.4	
15	1' - 10"	8' - 2"	K	G1	0' - 0"	FIXED	ALUM. SF.	ANODIZED	CLEAR	-	N/A8.4			M/A8.4	
16	6' - 1"	8' - 2"	D	G1	0' - 0"	FIXED	ALUM. SF.	ANODIZED	CLEAR	-	N/A8.4	P/A8.4	P/A8.4	M/A8.4	
17	5' - 2"	8' - 2"	L	G8	0' - 0"	FIXED	ALUM. SF.	ANODIZED	CLEAR	-	G/A8.4	B/A8.4	B/A8.4	F/A8.4	
18	6' - 0"	3' - 0"	E	G2	2' - 6"	FIXED	ALUM. SF.	ANODIZED	CLEAR	-	A/A8.4	B/A8.4	B/A8.4	E/A8.4	
19	3' - 8 1/2"	8' - 2"	M	G8	0' - 0"	FIXED	ALUM. SF.	ANODIZED	CLEAR	-	A/A8.4	B/A8.4		F/A8.4	
20	14' - 2"	8' - 2"	N	G8	0' - 0"	FIXED	ALUM. SF.	ANODIZED	CLEAR	-	A/A8.4	B/A8.4		F/A8.4	
21	9' - 10"	8' - 2"	D	G8	0' - 0"	FIXED	ALUM. SF.	ANODIZED	CLEAR	-	G/A8.4	D/A8.4	D/A8.4		
22	16' - 4"	8' - 2"	P	G3, G4, G5, G6, G7	0' - 0"	FIXED	ALUM. SF.	ANODIZED	CLEAR	-	G/A8.4	C/A8.4	D/A8.4	F/A8.4	SEE P/A8.3 FOR PANELS COLORS, LOCATION & DIMENSION
23	3' - 0"	8' - 2"	S	G8	0' - 0"	FIXED	ALUM. SF.	ANODIZED	CLEAR	-	G/A8.4	B/A8.4	D/A8.4	F/A8.4	
24	6' - 1"	8' - 2"	L	G8	0' - 0"	FIXED	ALUM. SF.	ANODIZED	CLEAR	-	A/A8.4	B/A8.4	D/A8.4	F/A8.4	
25	19' - 9"	8' - 2"	R	G8	0' - 0"	FIXED	ALUM. SF.	ANODIZED	CLEAR	-	G/A8.4	D/A8.4	D/A8.4	F/A8.4	
26	3' - 4"	8' - 2"	Q	G8	0' - 0"	FIXED	ALUM. SF.	ANODIZED	CLEAR	-	A/A8.4	B/A8.4		F/A8.4	
27	8' - 2"	8' - 2"	D	G8	0' - 0"	FIXED	ALUM. SF.	ANODIZED	CLEAR	-	G/A8.4	B/A8.4		F/A8.4	
28	11' - 11"	7' - 8"	T	G2, G3, G4, G5, G6, G7	0' - 4"	FIXED	ALUM. SF.	ANODIZED	CLEAR	-	K/A8.4				SEE T/A8.3 FOR PANELS COLOR, LOCATION, & DIMENSION

NOTE: SCHEDULED DETAILS REFER TO DETAILS ON SHEET A8.3 U.O.N.



WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY

Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED ARCHITECT SAMUEL G. [redacted] 31-25 STATE OF CALIFORNIA

NOT FOR CONSTRUCTION

08.23.24	BID SET

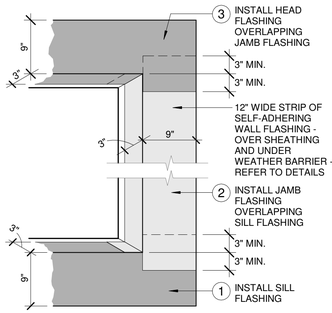
GLAZED FRAME SCHEDULE

A8.3

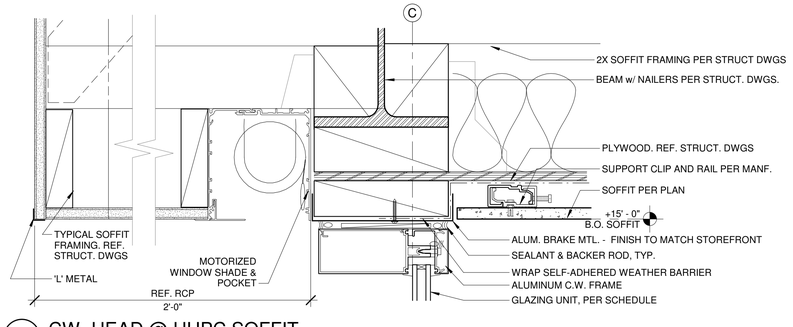
[redacted]

8/26/2024 3:28:47 PM

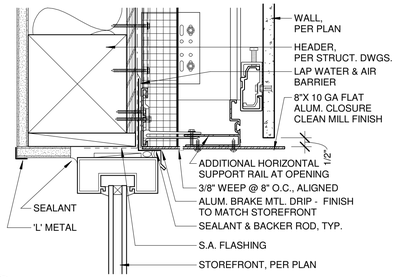
Copyright WMB, Inc.



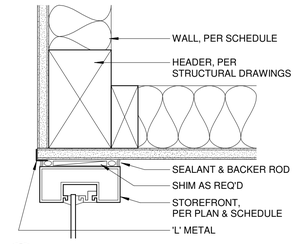
SELF-ADHERING FLASHING
1" = 1'-0"



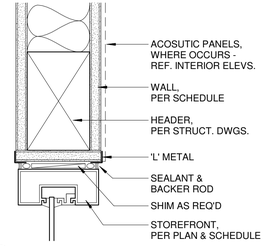
EE CW. HEAD @ UHPC SOFFIT
3" = 1'-0"



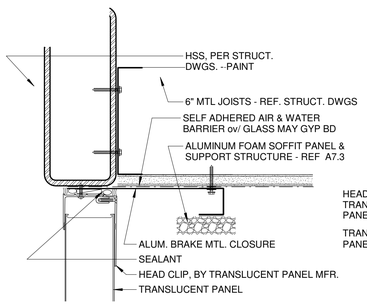
N SF. HEAD @ UHPC
3" = 1'-0"



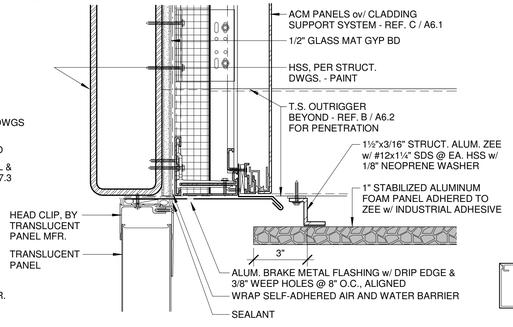
G SF. HEAD @ SOFFIT
3" = 1'-0"



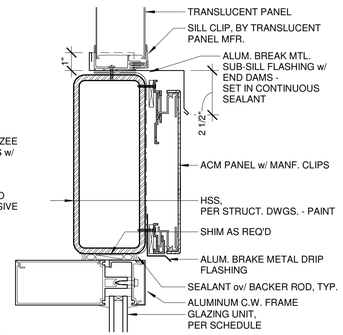
A SF. HEAD @ INT. WALL
3" = 1'-0"



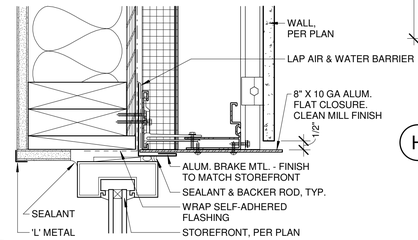
Y KALWALL HEAD @ SOFFIT
3" = 1'-0"



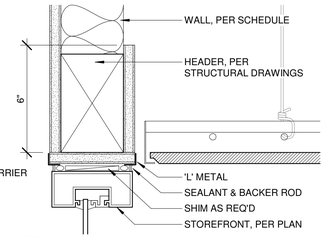
Z KALWALL HEAD @ ACM
3" = 1'-0"



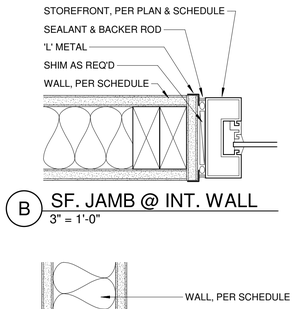
U C.W. HEAD @ KALWALL
3" = 1'-0"



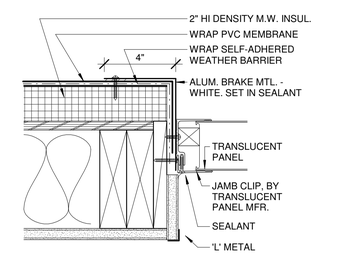
P SF. JAMB @ UHPC
3" = 1'-0"



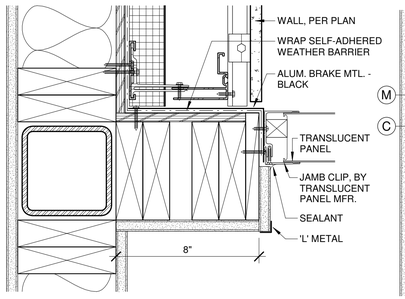
H SF. HEAD @ SUSP. CLG.
3" = 1'-0"



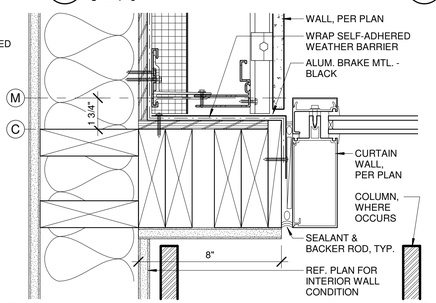
B SF. JAMB @ INT. WALL
3" = 1'-0"



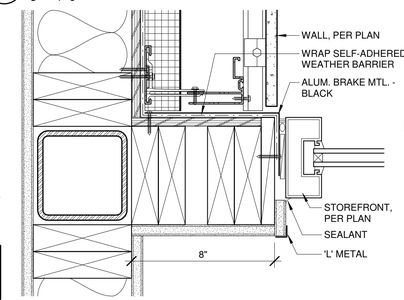
FF KALWALL JAMB @ PVC ROOF
3" = 1'-0"



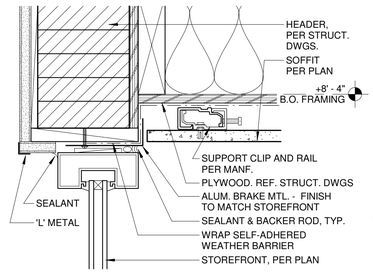
AA KALWALL JAMB @ UHPC CORNER
3" = 1'-0"



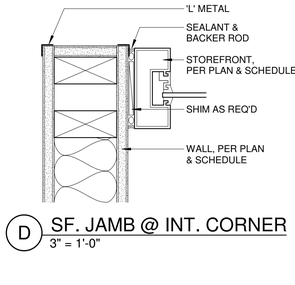
V C.W. JAMB @ UHPC
3" = 1'-0"



Q SF. JAMB @ UHPC CORNER
3" = 1'-0"

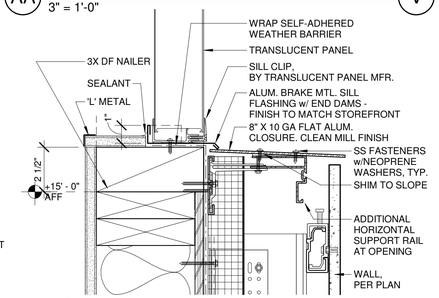


K SF. HEAD @ UHPC SOFFIT
3" = 1'-0"

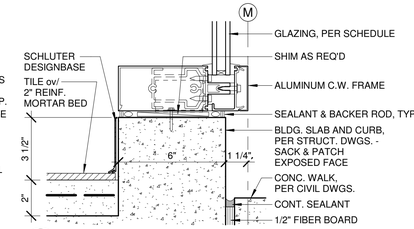


D SF. JAMB @ INT. CORNER
3" = 1'-0"

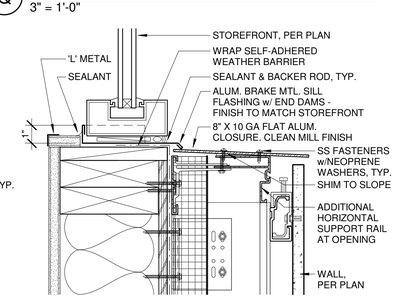
DD KALWALL SILL @ ROOF
3" = 1'-0"



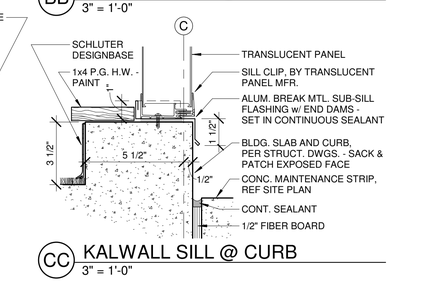
BB KALWALL SILL @ UHPC
3" = 1'-0"



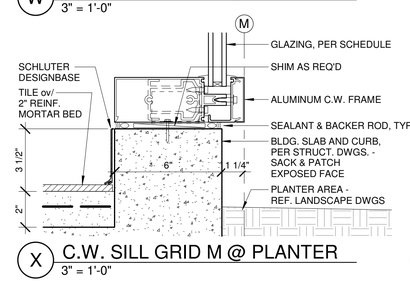
W C.W. SILL GRID M @ PAVING
3" = 1'-0"



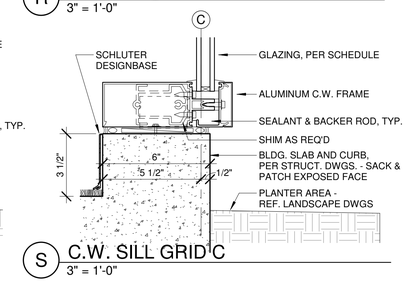
R SF. SILL @ UHPC
3" = 1'-0"



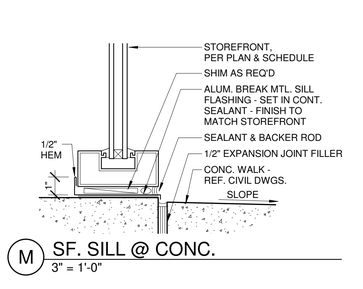
CC KALWALL SILL @ CURB
3" = 1'-0"



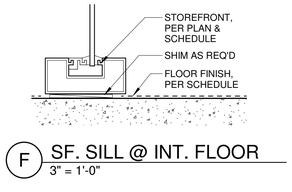
X C.W. SILL GRID M @ PLANTER
3" = 1'-0"



S C.W. SILL GRID C
3" = 1'-0"



M SF. SILL @ CONC.
3" = 1'-0"



E SF. SILL @ INT. WALL
3" = 1'-0"

F SF. SILL @ INT. FLOOR
3" = 1'-0"

WMB ARCHITECTS
5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
Walnut Park Library
2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED ARCHITECT SAMUEL G. CASEY C-31047 STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

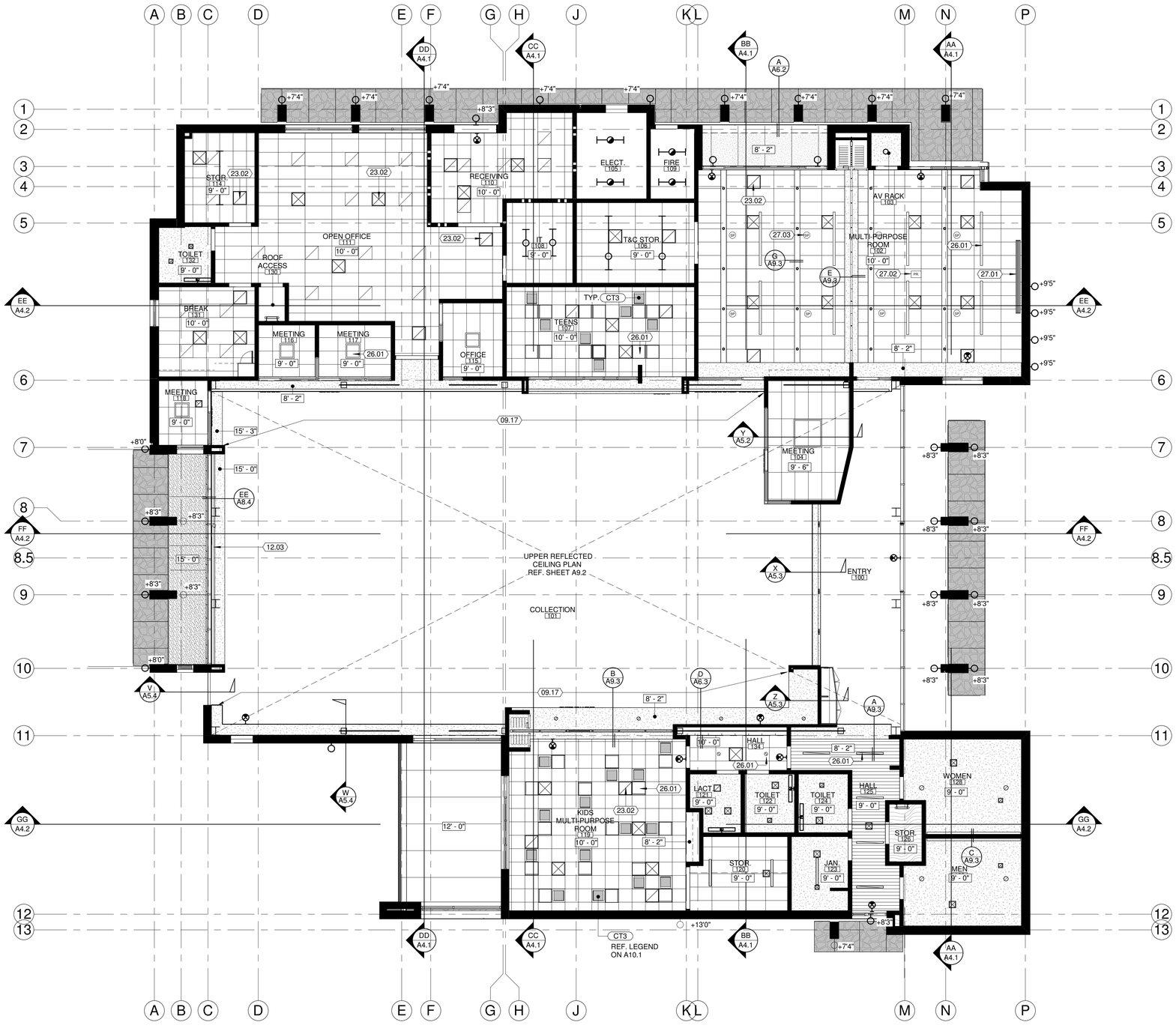
08.23.24	BID SET

GLAZED FRAME DETAILS

A8.4

8/26/2024 3:28:48 PM

Copyright WMB, Inc.



REFLECTED CEILING PLAN - LOW

1/8" = 1'-0"

LEGEND

- 24" x 24" SUSPENDED T. BAR GRID w/ LAY-IN CEILING TILE
- 24" x 48" SUSPENDED T. BAR GRID w/ LAY-IN CEILING TILE
- 48" x 48" SUSPENDED T. BAR GRID w/ LAY-IN CEILING TILE
- 5/8" GYP. BD. ov/ JOISTS, PER STRUCT. DWGS.
- ACOUSTICAL WOOD PLANK CEILING ov/ FURRING HAT CHANNELS ov/ FRAMING PER STURCT. DWGS.
- STABILIZED ALUMINUM FOAM PANEL - OPEN BOTH SIDES- ADHERED ov/ ALUMINUM 'Z' FURRING
- STABILIZED ALUMINUM FOAM PANEL - CLOSED ONE SIDE - ADHERED ov/ ALUMINUM 'Z' FURRING
- UHPC 2 / UHPC 1 — UHPC PANEL SOFFIT ov/ MANF. CLIP & RAIL SYSTEM
- ACM PANEL SOFFIT ov/ MANF. CLIP & EXTRUSION SYSTEM
- 12' - 0" — CEILING HEIGHT ABOVE FINISH FLOOR LEVEL
- SURFACE-MOUNTED LIGHT FIXTURE - REF. ELECTRICAL DWGS.
- WALL MOUNTED LIGHT FIXTURE - REF. ELECTRICAL DWGS.
- RECESSED LIGHT FIXTURE - REF. ELECTRICAL DWGS.
- PENDANT LIGHT FIXTURE - REF. ELECTRICAL DWGS.
- SUPPLY AIR GRILLE - REF. MECHANICAL DWGS.
- RETURN AIR GRILLE - REF. MECHANICAL DWGS.
- EXHAUST GRILLE - REF. MECHANICAL DWGS.
- ILLUMINATED EXIT SIGN - REF. ELECTRICAL DWGS.
- PR — PROJECTOR - REF. ELECTRICAL DWGS.
- SP — SPEAKER - REF. ELECTRICAL DWGS.

GENERAL NOTES

1. LATERAL FORCE BRACING REQUIRED FOR SUSPENDED CEILING SYSTEMS LARGER THAN 1,000 S.F. - REFER TO N / A9.3
2. MECHANICAL GRILLES AND ELECTRICAL FIXTURES SHOWN FOR COORDINATION PURPOSES ONLY. REFER TO MECHANICAL AND ELECTRICAL SHEETS FOR MORE INFORMATION.
3. AT LOCATIONS WHERE CEILING EDGE IS PULLED AWAY FROM THE WALL, NO PARALLEL UTILIY RUNS SHALL BE EXPOSED. PERPENDICULAR CROSSING ONLY INSTALLED WITH CONSIDERATION OF VISUAL EXPOSURE. NO LOOSE LOW VOLTAGE CABLES.

KEYNOTES

09.17 MODULAR ACOUSTIC WALL PANELS ADHERED ov/ GYP. BD. - REF. FINISH SECHEDULE AND INERIOR ELEVATIONS
12.03 MOTORIZED ROLLER WINDOW SHADES W/ POCKET
23.02 HVAC AIR GRILLE - REF. MECH. DWGS.
26.01 LIGHT FIXTURE - REF. ELECTRICAL DWGS.
27.01 CEILING RECESSED PROJECTION SCREEN - REF. ELEC. DWGS.
27.02 PROJECTOR - REF. ELEC. DWGS.
27.03 SPEAKER - REF. ELEC. DWGS.
CT3 WINK CEILING TILE

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY

Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED ARCHITECT SAMUEL A. WMB 5-31-25 STATE OF CALIFORNIA

NOT FOR CONSTRUCTION

08.23.24	BID SET

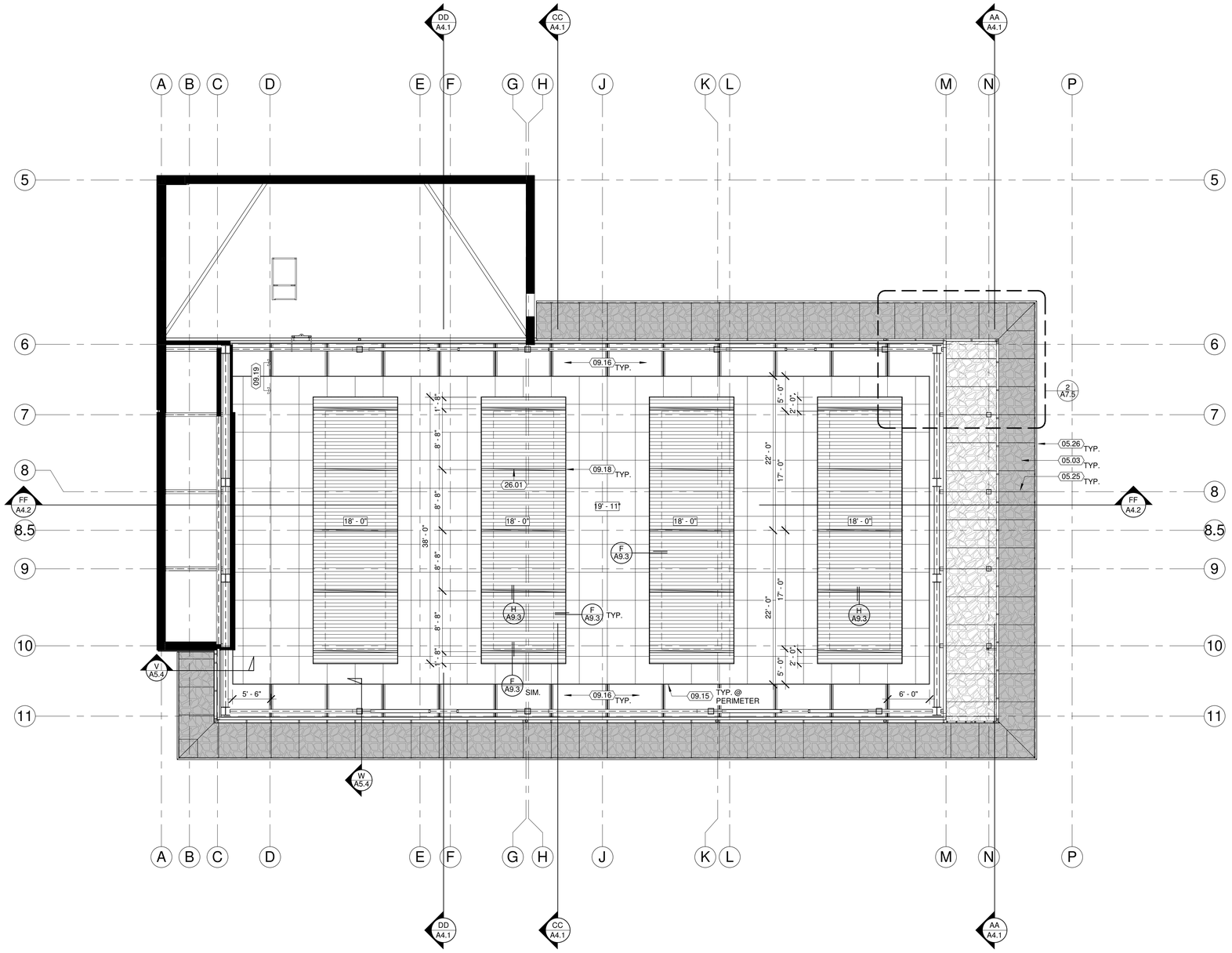
UPDATED CEILING LEGEND

REFLECTED CEILING PLAN - LOW

A9.1

8/26/2024 3:28:51 PM

Copyright WMB, Inc.



REFLECTED CEILING PLAN - HIGH

1/8" = 1'-0"

LEGEND

- 24" x 24" SUSPENDED T. BAR GRID w/ LAY-IN CEILING TILE
- 24" x 48" SUSPENDED T. BAR GRID w/ LAY-IN CEILING TILE
- 48" x 48" SUSPENDED T. BAR GRID w/ LAY-IN CEILING TILE
- 5/8" GYP. BD. ov/ JOISTS, PER STRUCT. DWGS.
- ACOUSTICAL WOOD PLANK CEILING ov/ FURRING HAT CHANNELS ov/ FRAMING PER STURCT. DWGS.
- STABILIZED ALUMINUM FOAM PANEL - OPEN BOTH SIDES- ADHERED ov/ ALUMINUM 'Z' FURRING
- STABILIZED ALUMINUM FOAM PANEL - CLOSED ONE SIDE - ADHERED ov/ ALUMINUM 'Z' FURRING
- UHPC 2 / UHPC 1 — UHPC PANEL SOFFIT ov/ MANF. CLIP & RAIL SYSTEM
- ACM PANEL SOFFIT ov/ MANF. CLIP & EXTRUSION SYSTEM
- 12' - 0" — CEILING HEIGHT ABOVE FINISH FLOOR LEVEL
- SURFACE-MOUNTED LIGHT FIXTURE - REF. ELECTRICAL DWGS.
- WALL MOUNTED LIGHT FIXTURE - REF. ELECTRICAL DWGS.
- RECESSED LIGHT FIXTURE - REF. ELECTRICAL DWGS.
- PENDANT LIGHT FIXTURE - REF. ELECTRICAL DWGS.
- SUPPLY AIR GRILLE - REF. MECHANICAL DWGS.
- RETURN AIR GRILLE - REF. MECHANICAL DWGS.
- EXHAUST GRILLE - REF. MECHANICAL DWGS.
- ILLUMINATED EXIT SIGN - REF. ELECTRICAL DWGS.
- PROJ — PROJECTOR - REF. ELECTRICAL DWGS.
- SP — SPEAKER - REF. ELECTRICAL DWGS.

GENERAL NOTES

1. LATERAL FORCE BRACING REQUIRED FOR SUSPENDED CEILING SYSTEMS LARGER THAN 1,000 S.F. - REFER TO N / A9.3
2. MECHANICAL GRILLES AND ELECTRICAL FIXTURES SHOWN FOR COORDINATION PURPOSES ONLY. REFER TO MECHANICAL AND ELECTRICAL SHEETS FOR MORE INFORMATION.
3. AT LOCATIONS WHERE CEILING EDGE IS PULLED AWAY FROM THE WALL, NO PARALLEL UTILIY RUNS SHALL BE EXPOSED. PERPENDICULAR CROSSING ONLY INSTALLED WITH CONSIDERATION OF VISUAL EXPOSURE. NO LOOSE LOW VOLTAGE CABLES.

KEYNOTES

05.03 STABILIZED ALUMINUM FOAM PANELS ADHERED ov/ ALUM. ZEE FRAMING
05.25 PANEL BUTT JOINT
05.26 CONTINUOUS STEEL CHANNEL FASCIA - MITER CORNER - PAINT
09.15 2" PREFINISHED EXTRUDED ALUM. CEILING TRIM
09.16 PAINT ALL EXPOSED ROOF DECK, STEEL, & EXPOSED PIPING - REF. GENERAL NOTE 3
09.18 CONTINUE WOOD FASCIA PAST END OF LIGHT FIXTURE
09.19 ALIGN T-BAR GRID w/ CENTER OF OWSJ, TYP.
26.01 LIGHT FIXTURE - REF. ELECTRICAL DWGS.

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY

Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED ARCHITECT SAMUEL G. WOLFF C-47 5-31-25 STATE OF CALIFORNIA

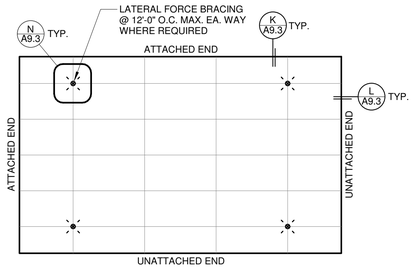
NOT FOR CONSTRUCTION

08.23.24	BID SET

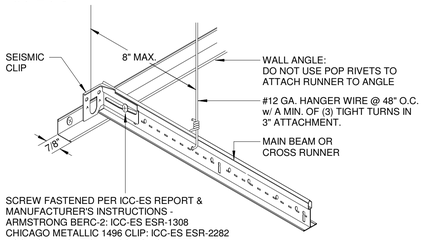
REFLECTED CEILING PLAN - HIGH

A9.2

8/26/2024 3:28:51 PM Copyright WMB, Inc.

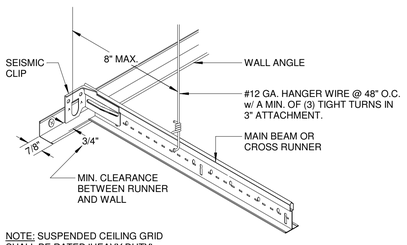


J TYP. ACOUSTIC CEILING GRID
1/4" = 1'-0"



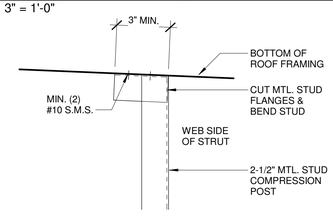
NOTE: SUSPENDED CEILING GRID
SHALL BE RATED 'HEAVY DUTY'

K WALL CONDITION @ ATTACHED END
3" = 1'-0"

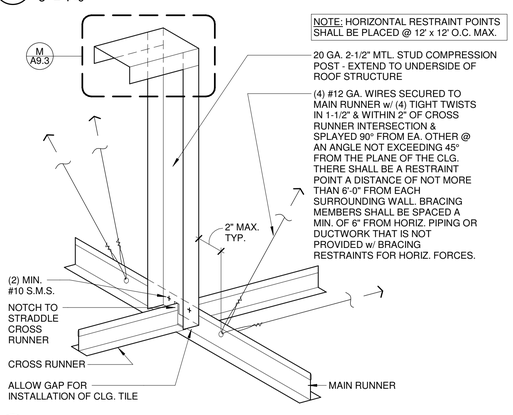


NOTE: SUSPENDED CEILING GRID
SHALL BE RATED 'HEAVY DUTY'

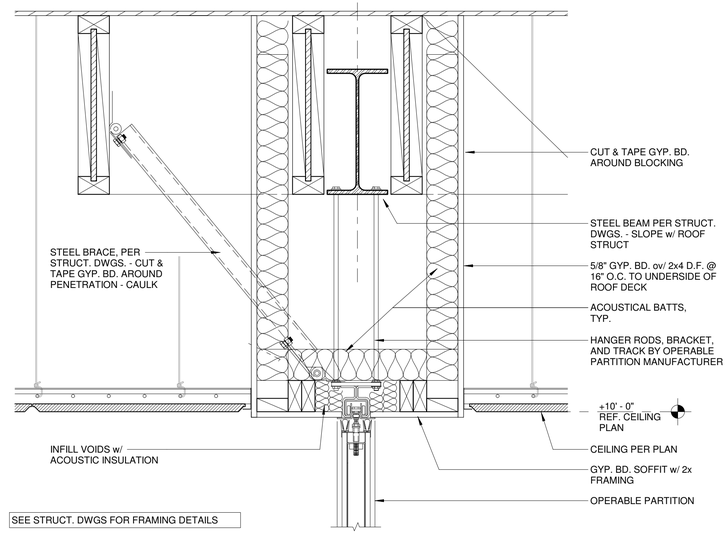
L WALL CONDITION @ UNATTACHED END
3" = 1'-0"



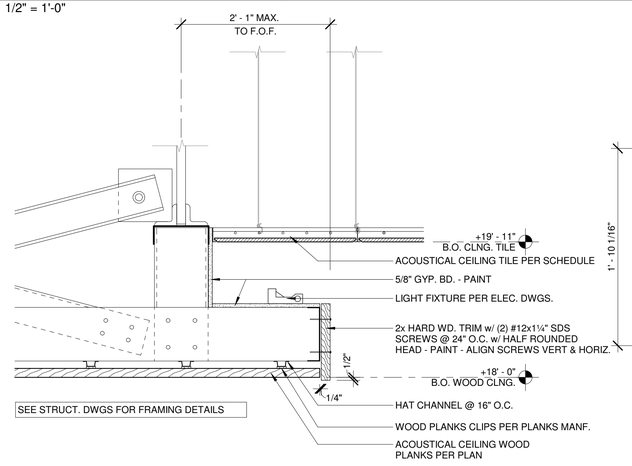
M COMPRESSION POST TO STRUCT.
3" = 1'-0"



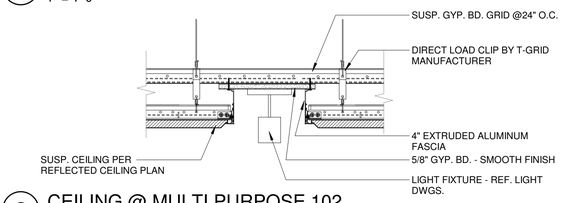
N TYP. LATERAL FORCE BRACING
3" = 1'-0"



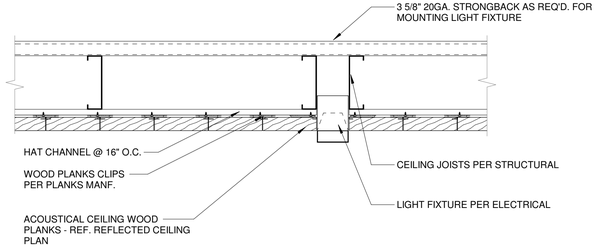
E FOLDING PARTITION HEADER @ MULTI PURPOSE 102
1 1/2" = 1'-0"



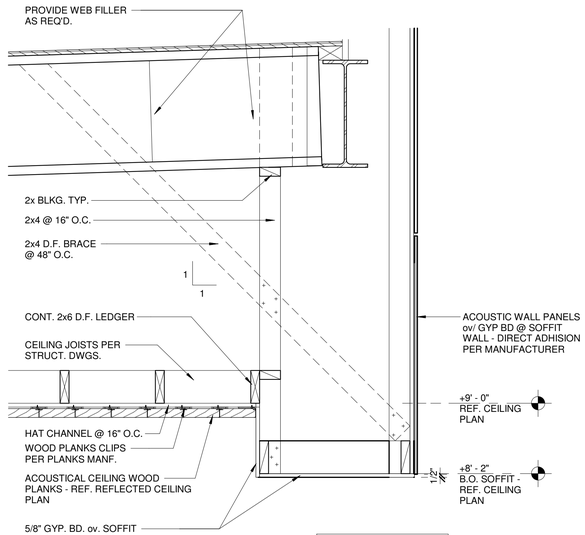
F HIGH / LOW CEILING @ COLLECTION
1" = 1'-0"



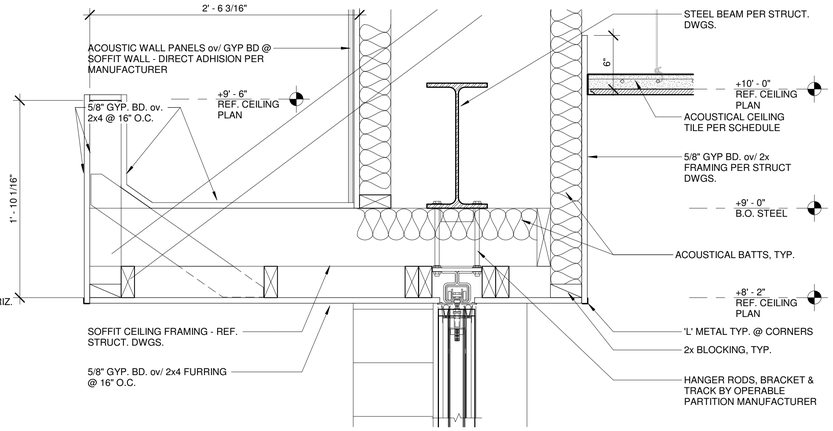
G CEILING @ MULTI PURPOSE 102
1 1/2" = 1'-0"



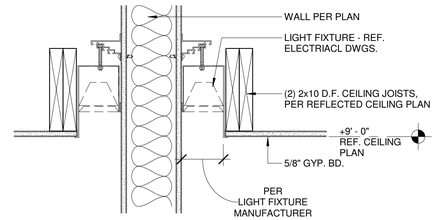
H CEILING PLANKS @ COLLECTION 101
1 1/2" = 1'-0"



A CEILING @ ENTRY 102 & HALL 125
1" = 1'-0"



B FOLDING PARTITION HEADER @ KIDS 119
1 1/2" = 1'-0"



C LIGHT ALCOVE
1 1/2" = 1'-0"

WMB
ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY
LIBRARY

Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED ARCHITECT
SAMUEL G. WOLT
C-47
31-25
STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

08.23.24	BID SET

UPDATED DETAILS B& F

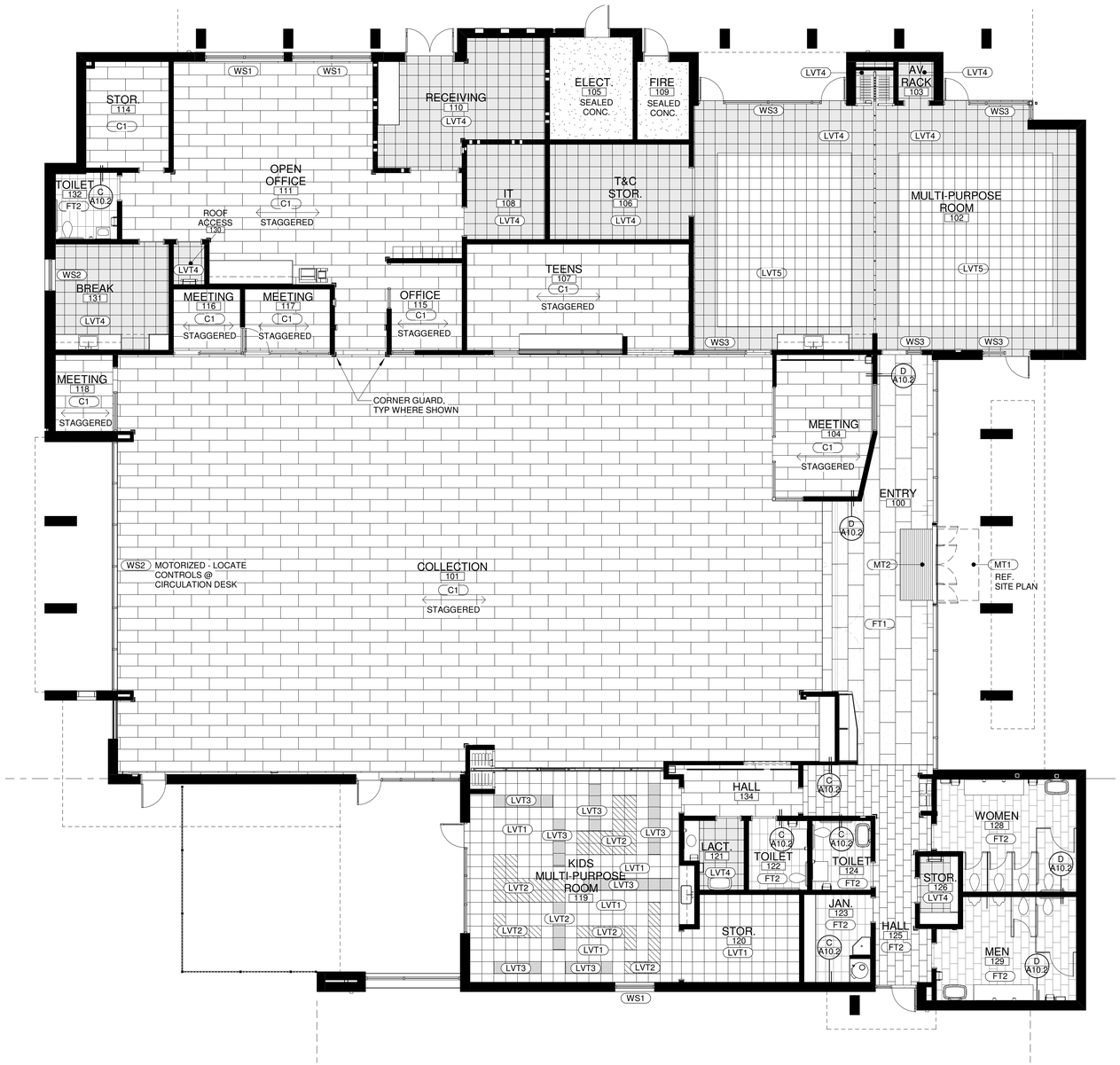
CEILING & SOFFIT DETAILS

A9.3

[redacted]

8/26/2024 3:28:53 PM

Copyright WMB, Inc.



FLOOR FINISHES PLAN

1/8" = 1'-0"

FLOOR PATTERN LEGEND

- CARPET - REF. SCHEDULE
- TILE - LOBBY- REF. SCHEDULE
- TILE - RESTROOMS - REF. SCHEDULE
- LVT- LUXURY VINYL TILE - REF. SCHEDULE
- POLISHED CONCRETE
- WALK OFF MAT

PRODUCT & MATERIAL REQUIREMENTS FOR INDOOR POLLUTANT CONTROL

1. ALL MATERIALS, ADHESIVES, COATINGS, AND SEALANTS SHALL COMPLY WITH V.O.C. LIMITATIONS SET FORTH BY THE LOCAL AIR POLLUTION CONTROL DISTRICT OR CALIFORNIA CODE OF REGULATIONS TITLE 24, PART 11 (CALGREEN BUILDING STANDARDS), WHICHEVER IS MORE RESTRICTIVE.
2. ALL CARPET MATERIALS SHALL MEET THE TESTING AND PRODUCT REQUIREMENTS OF THE CARPET & RUG INSTITUTE'S GREEN LABEL PLUS PROGRAM OR EQUIVALENT CRITERIA SET FORTH IN CALIFORNIA CALGREEN BUILDING STANDARDS.
3. A MINIMUM OF 50% OF RESILIENT FLOORING SHALL COMPLY WITH THE V.O.C. EMISSION LIMITS DEFINED IN 2009 COLLABORATIVE FOR HIGH PERFORMANCE SCHOOLS (CHPS) CRITERIA AND LISTED ON ITS LOW-EMITTING MATERIALS LIST OR CERTIFIED UNDER THE RESILIENT FLOOR COVERING INSTITUTE FLOORSCORE PROGRAM.
4. ALL HARDWOOD COMPOSITE WOOD PRODUCTS (PLYWOOD, PARTICLEBOARD, AND MEDIUM DENSITY FIBERBOARD) SHALL MEET THE MAXIMUM FORMALDEHYDE EMISSIONS LIMITATIONS AS SPECIFIED IN ARB'S AIR TOXIC CONTROL MEASURE FOR COMPOSITE WOOD (17 CCR 93120 ET SEQ.) BY THE DATES SPECIFIED IN THOSE SECTIONS.
5. ARCHITECT HAS MADE EVERY REASONABLE ATTEMPT TO CONFIRM THAT PRODUCTS SPECIFIED IN THESE DOCUMENTS COMPLY WITH ABOVE-LISTED REQUIREMENTS. IT IS THE RESPONSIBILITY OF THE SUBCONTRACTOR, VENDOR, AND/OR MANUFACTURER TO NOTIFY THE ARCHITECT THROUGH THE GENERAL CONTRACTOR OF ANY NON-COMPLIANT PRODUCT OR MATERIAL SPECIFIED BY THE ARCHITECT PRIOR TO BID DUE DATE.
6. CONTRACTOR SHALL PROVIDE PRODUCT/MATERIAL COMPLIANCE DOCUMENTATION WITH SUBMITTAL DOCUMENTS AS REQUIRED BY SPECIFICATION SECTION 013323. CONTRACTOR SHALL SUBMIT COMPLIANCE DOCUMENTATION TO THE JURISDICTION HAVING AUTHORITY UPON ACCEPTANCE BY ARCHITECT.

ROOM FINISH SCHEDULE

ROOM		FINISHES					WALL / CLG. CLASS		
NO.	NAME	FLOOR	BASE	WALL	WAINS.	CEILING	OCC.	MIN. CLASS*	COMMENTS
100	ENTRY	FT1 | MT2	B1	P1		CT2 | CP1			
101	COLLECTION	C1	B2	P1 | TFL1		CT2 | CP1			
102	MULTI-PURPOSE ROOM	LVT4 | LVT5	B4	P1	WP1	CT1			
103	AV RACK	LVT4	B4	P1		P1			
104	MEETING	C1	B2	P4		CT1			
105	ELECT.	LVT4	B4	P1					
106	T&C STOR.	LVT4	B4	P1		CT1			
107	TEENS	C1	B2	P3		CT3 | CT4			
108	IT	LVT4	B4	P1		CT1			
109	FIRE	LVT4	B4	P1					
110	RECEIVING	LVT4	B4	P1		CT1			
111	OPEN OFFICE	C1	B2	P1		CT1			
114	STOR.	C1	B2	P1		CT1			
115	OFFICE	C1	B2			CT1			
116	MEETING	C1	B2	P3		CT1			
117	MEETING	C1	B2	P2 | P4		CT1			
118	MEETING	C1	B2	P2		CT1			
119	KIDS MULTI-PURPOSE ROOM	LVT1 | LVT2 |LVT3	B2	P4		CT3 | CT4			
120	STOR.	LVT1	B2	P1		CT1			
121	LACT.	LVT4	B4	P1		P1			
122	TOILET	FT2	B3	WT1 | WT2		P1			
123	JAN.	FT2				P1			
124	TOILET	FT2	B3	WT1 | WT2		P1			
125	HALL	FT1	B1			CP1			
126	STOR.	LVT4	B4			P1			
128	WOMEN	FT1	B3	WT1 | WT2		P1			
129	MEN	FT1	B3	WT1 | WT2		P1			
130	ROOF ACCESS	LVT4	B4						
131	BREAK	LVT4	B4			CT1			
132	TOILET	FT2	B3	WT1 | WT2		P1			
134	HALL	C1	B2			CT1			

FINISHES LEGEND

CARPET
C1 - SHAW CONTRACT - COLLECTION: ANTHOLOGY - STYLE: JOURNAL TILE, 5T512 - COLOR: ESSAY 75429 - 18"x36"

RESILIENT FLOORING
LVT1 - MANNINGTON - COLLECTION: ACTIVE LINES - STYLE: SHIFT- COLOR: ZING (ALS201) 18"x18"

LVT2 - MANNINGTON - COLLECTION: ACTIVE LINES - STYLE: SHIFT- COLOR: ZING TEAL (ALS202) 18"x18"

LVT3 - MANNINGTON - COLLECTION: ACTIVE LINES - STYLE: SHIFT- COLOR: ZING BLUE (ALS203) 18"x18"

LVT4 - SHAWCONTRACT - STYLE: CRETE 0203V - COLOR: SLATE 03750 - 18"x18"

LVT5 - SHAWCONTRACT - STYLE: JEOGORI 0215V - COLOR: FLAX 90700 - 18"x18"

TILE
FT1 - FLOOR TILE; 24"x48" WHOLE COLLECTION - COLOR SAND - FINISH: NATURAL

FT2 - FLOOR TILE; 12"x24" WHOLE COLLECTION - COLOR SAND - FINISH: NATURAL

WT1 - WALL TILE; SHEN COLLECTION 8"x48" - WHITE SHADES

WT2 - WALL TILE; SHEN COLLECTION 8"x48" - BAMBOO

GROUT - COLORS T.B.D.

CONTACT: PAUL BELL
BELL ARCHITECTURAL MATERIALS
C. 916.708.1927
E. paulb.archmaterials@gmail.com

WALK OFF MAT
MT1 - NYSTROM - GRATEDESIGN - 1-3/4" ALUMINUM GRATE WITH 3" DEEP PIT CAST IN.
INSERTS: GD74 A - ALUMINUM

MT2 - NYSTROM - GRATEDESIGN - 3/4" ALUMINUM ROLL-UP GRATE WITH LEVEL BED, MECH. FASTENED. ALUMINUM FRAME
INSERTS: GR34 P - PREMIUM CARPET & GRILL MODEL: GR34V - VINYL

BASE
B1 - SCHLUTER - DESIGNBASE-SL - ANODIZED ALUMINUM. 3 1/8" HT. @ TILE FLOORS ENTRY 100 & HALL 125

B2 - 4" RUBBER BASE; COLOR T.B.D.

B3 - TILE TRANSITION; SCHLUTER DILEX-AHK - BRUSHED STAINLESS STEEL

B4 - 4" RUBBER BASE; COLOR T.B.D.

SOLID SURFACE
SS1 - CORIAN; QUARTZ - ALABASTER TERRAZZO

SS2 - CORIAN; SOLID SURFACE - SILVERITE

SS3 - WILSONART - BEIGE TRAVERTINE 9236SS

PLASTIC LAMINATE
PL1 - WILSONART; PREMIUM LAMINATE - BATTLESHIP 5014K-19 - LENO WEAVE FINISH - AEON SCRATCH RESISTANCE

PL2 - WILSONART; STANDARD LAMINATE - SAP WALNUT - 8221-38 - FINE VELVET FINISH

TFL1 - WILSONART; TFL WRAPPED 6" PANELS - COLOR TO MATCH WILSON ART; SAP WALNUT - 8221-38

WALL PANELS
WP1 - TACKABLE PANELS - FORBO BULLETIN BOARD - COLOR: DUCK EGG 2162

WP2 - TACKABLE PANELS - FORBO BULLETIN BOARD - COLOR: CINNAMON BARK 2207

WPE1 - WALL PANEL EDGE; SCHLUTER VINPRO-S - BRUSHED ANODIZED ALUMINUM

PAINT
P1 - *INTERIOR WALLS*: DUNN-EDWARDS - FRENCH WHITE DEW311 - LRV 75

P2 - *INTERIOR WALLS*: DUNN-EDWARDS - ARIZONA CLAY DET454 -LRV 22

P3 - *INTERIOR WALLS*: DUNN-EDWARDS - THUNDERCLOUD DE5774 - LRV 20

P4 - *INTERIOR WALLS*: DUNN-EDWARDS - MOTHER EARTH DE5718 - LRV 29

P5 - *HOLLOW METAL DOORS AND FRAMES*: DUNN-EDWARDS; T.B.D.

ACOUSTICAL WALL PANELS
AWP1 - ZINTRA ACOUSTIC SOLUTIONS - WALL PANELS - VJ BOARD NARROW ETCH HORIZONTAL PANEL - COLOR: PEBBLE

ACOUSTICAL CEILING PLANK
CP1 - SOUNDPLY 1"x6" CEILING PLANKS BY NAVY ISLAND; QUARTER SLICED WALNUT VENEER, CLEAR; RANDOM MATCH.

CEILING TILES
CT1 - CERTAINTEED SANDMICRO CUSTOMLINE MINERAL FIBER CEILING PANELS w/ NARROW REVEAL EDGE 24"x48" COLOR WHITE

CT2 - CERTAINTEED SYMPHONY, FIBERGLASS CEILING PANELS 48"x48" w/ NARROW REVEAL EDGE 48"x48" - COLOR WHITE

CT3 - FACT DESIGN WINK CLOSED PANEL - COLOR: F:02

CT4 - CERTAINTEED SAND MICRO CUSTOMLINE MINERAL FIBER CEILING PANELS w/ NARROW REVEAL EDGE 24"x24" COLOR WHITE

RESTROOMS PARTITIONS
RP1 - SCRANTON PRODUCTS - BRONZE - ROTARY BRUSHED

WINDOW SHADES
(NOTE: ALL SHADES ARE MANUAL, UNLESS OTHERWISE NOTED; REF. WINDOW SCHEDULE FOR SIZE)

WS1 - MECHO, THERMOVEIL DENSE BASKET WEAVE 1500 SERIES; COLOR: TO BE SELECTED BY ARCHITECT

WS2 - MECHO, THERMOVEIL DENSE BASKET WEAVE 1500 SERIES; COLOR: TO BE SELECTED BY ARCHITECT

WS3 - MECHO, DISTINCTIVE BLACKOUT 0800 SERIES; COLOR TO BE SELECTED BY ARCHITECT

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY

Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED ARCHITECT SAMUEL G. [redacted] 8-31-25 STATE OF CALIFORNIA

NOT FOR CONSTRUCTION

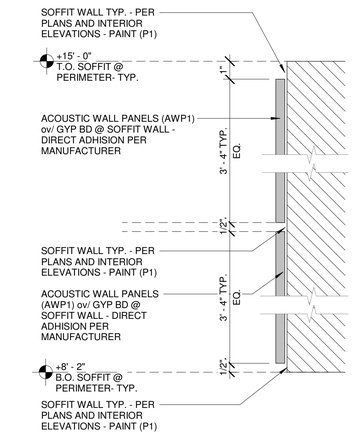
08.23.24	BID SET

FINISH SCHEDULE

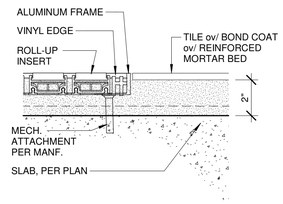
A10.1

[redacted]

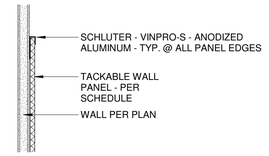
8/26/2024 3:28:54 PM Copyright WMB, Inc.



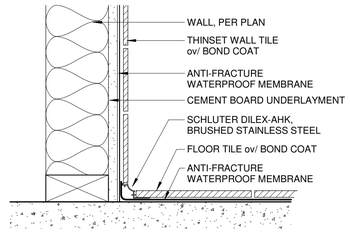
G ACOUSTIC WALL PANELS - TYP.
3" = 1'-0"



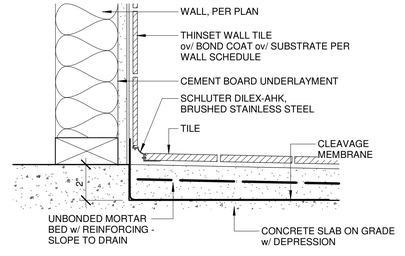
A INTERIOR WALK-OFF MAT
3" = 1'-0"



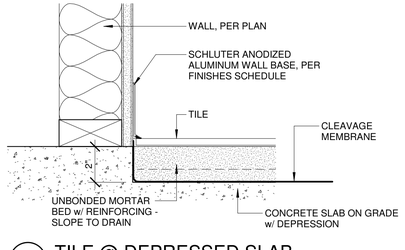
2 TACKABLE WALL PANEL EDGE
3" = 1'-0"



C TILE - NON-RECESSED SLAB
3" = 1'-0" AT SINGLE-USER TOILET ROOMS



D TILE - RECESSED SLAB
3" = 1'-0" AT RESTROOMS WOMEN 128 & MEN 129



E TILE @ DEPRESSED SLAB
3" = 1'-0"

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY

Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

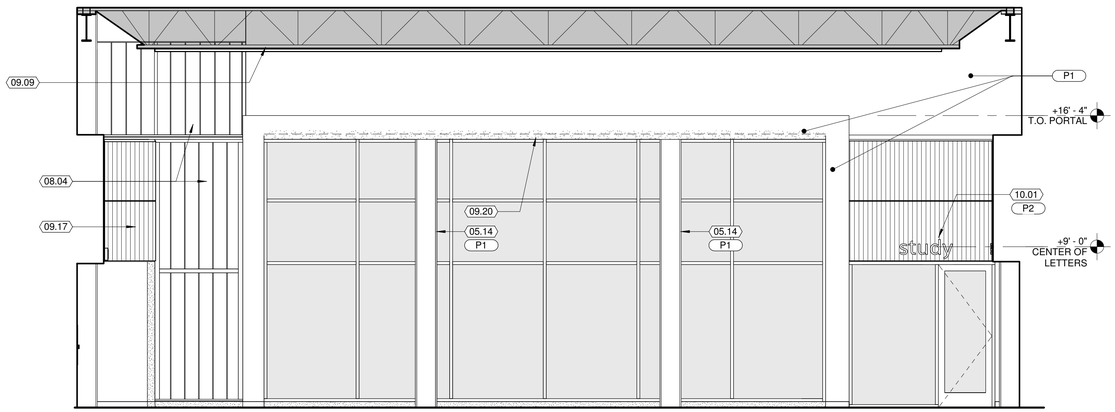
LICENSED ARCHITECT SAMUEL G. WILLIAMS C-47 5-31-25 STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

08.23.24	BID SET

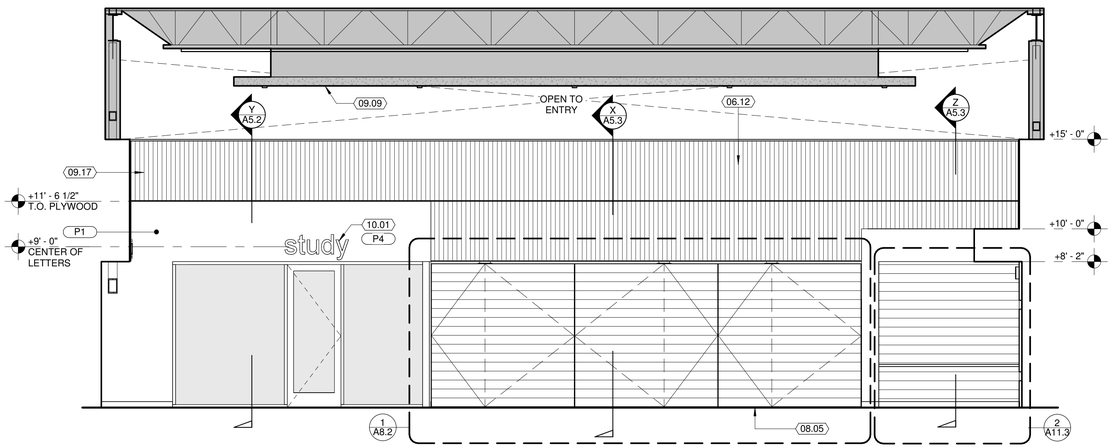
DETAILS

A10.2

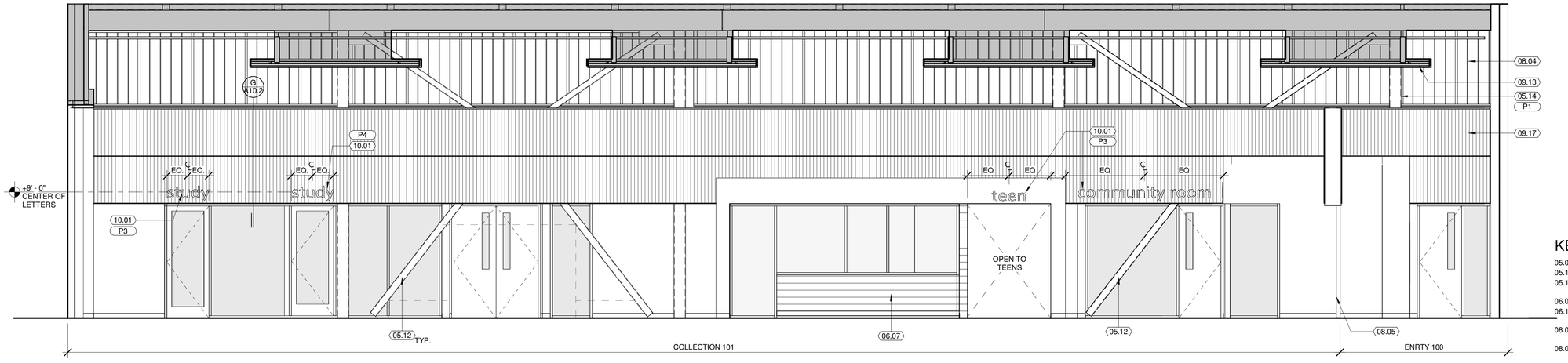
9/26/2024 3:28:55 PM Copyright WMB, Inc.



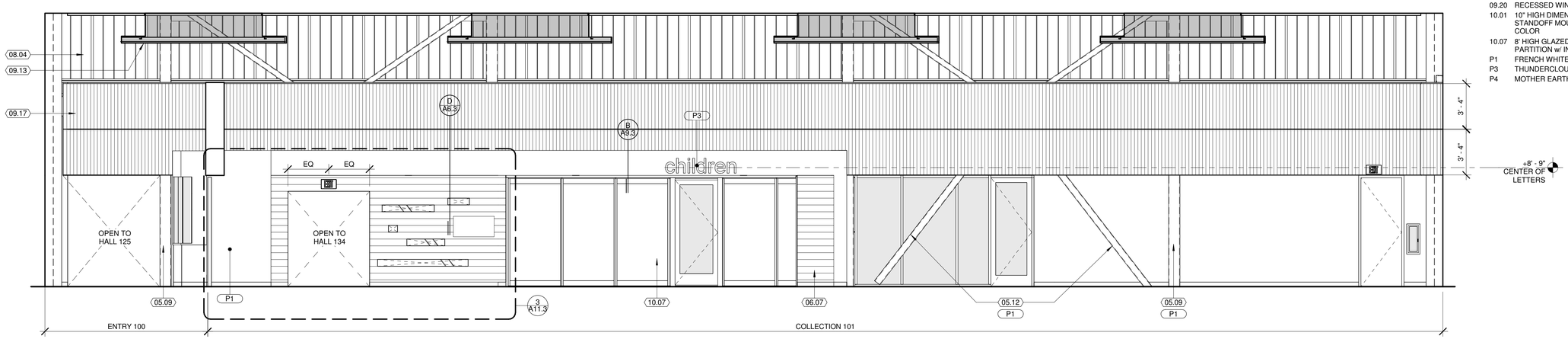
3 COLLECTION 101 - WEST
1/4" = 1'-0"



1 COLLECTION 101 - EAST
1/4" = 1'-0"



4 COLLECTION 101 - NORTH
1/4" = 1'-0"



2 COLLECTION 101 - SOUTH
1/4" = 1'-0"

KEYNOTES

05.09 STEEL COLUMN. REF. STRUCT. DWGS. -PAINT-
05.12 STEEL BRACING REF. STRUCT. DWGS. - PAINT
05.14 EXPOSED STEEL STRUCTURAL FRAMES - REF. STRUCT. DWGS - PAINT
06.07 1x6 TFL-WRAPPED MDF PROFILE. ADHERED
06.12 DOUBLE WALLED HORIZONTAL PIPE CHASE - REFER TO PLUMBING DRAWINGS
08.04 FIBERGLASS SANDWICH PANEL TRANSLUCENT WALL SYSTEM
08.05 8'-0" X 8'-0" OFFSET PIVOT PANEL. LAMINATE-WRAPPED PLANK FINISH.
09.09 4X4 SUSPENDED T-BAR CEILING - REF. FINISH SCHEDULE FOR CEILING TILE
09.13 ACOUSTICAL WOOD PLANK CEILING ov/ FURRING HAT CHANNELS ov/ FRAMING PER STURCT. DWGS.
09.17 MODULAR ACOUSTIC WALL PANELS ADHERED ov/ GYP. BD. - REF. FINISH SECHEDULE AND INERIOR ELEVATIONS
09.20 RECESSED WINDOW SHADE POCKET
10.01 10" HIGH DIMENSIONAL ALUM. LETTERS w/ FLUSH STANDOFF MOUNT - COLOR MATCH PAINT COLOR
10.07 8' HIGH GLAZED, PAIRED PANEL OPERABLE PARTITION w/ INTEGRAL PASSAGE DOOR
P1 FRENCH WHITE - LRV 75
P3 THUNDERCLOUD - LRV 20
P4 MOTHER EARTH - LRV 29

WMB
ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY
LIBRARY

Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED ARCHITECT
SAMUEL G. WOLFF
C-31647
EXP. 08-31-25
STATE OF CALIFORNIA

NOT FOR CONSTRUCTION

08.23.24	BID SET

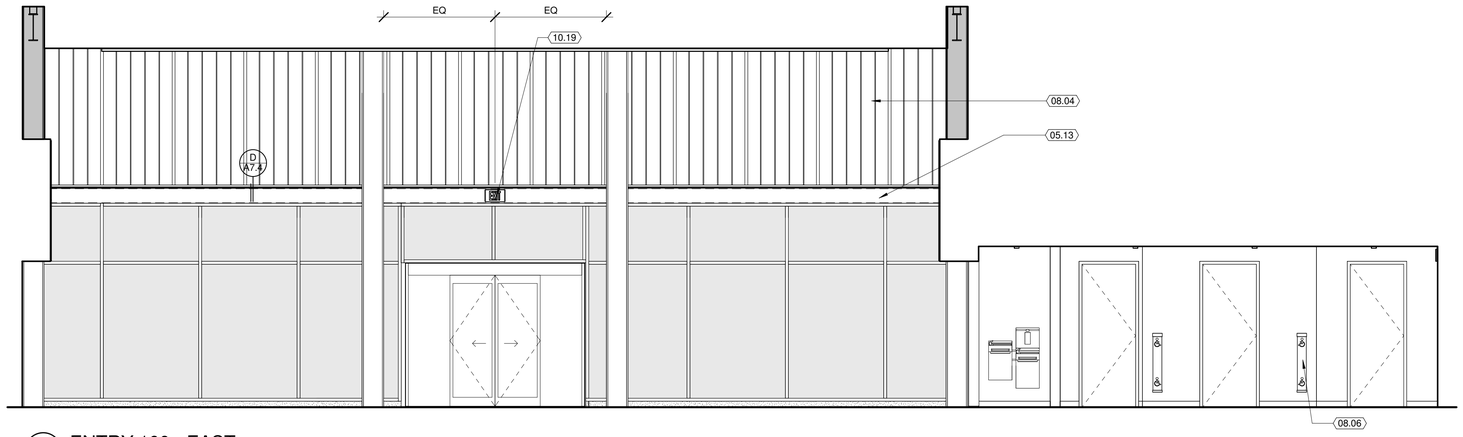
INTERIOR ELEVATIONS

A10.3

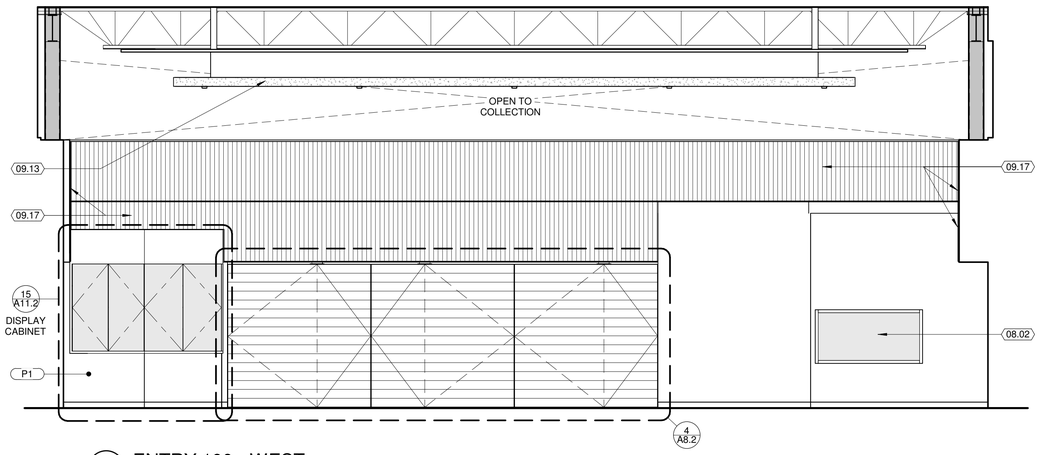
[redacted]

8/26/2024 3:28:57 PM

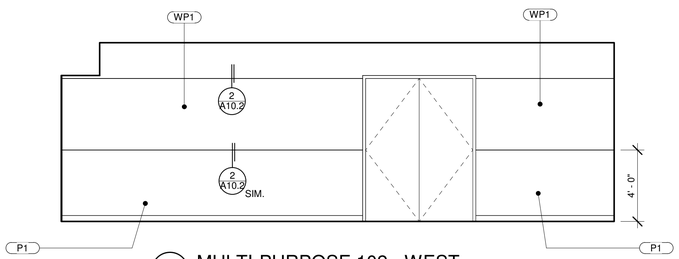
Copyright WMB, Inc.



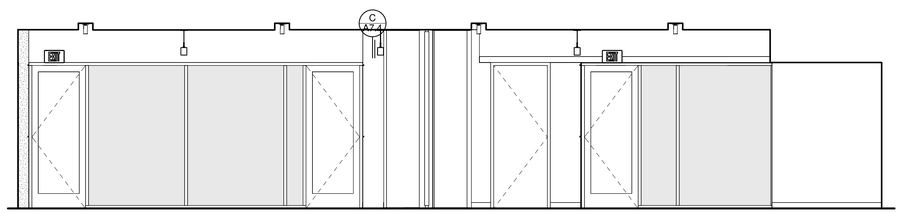
1 ENTRY 100 - EAST
1/4" = 1'-0"



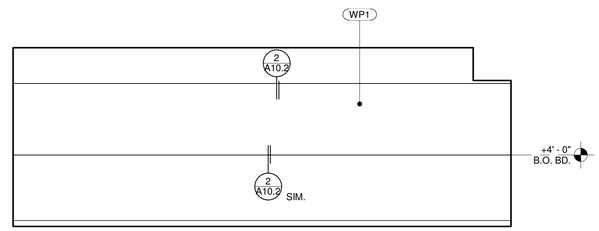
2 ENTRY 100 - WEST
1/4" = 1'-0"



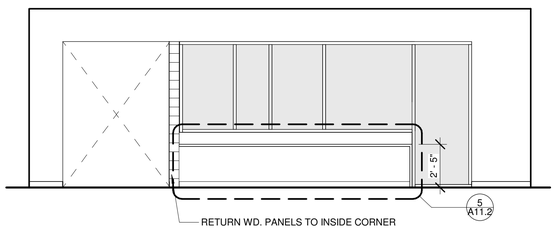
5 MULTI-PURPOSE 102 - WEST
1/4" = 1'-0"



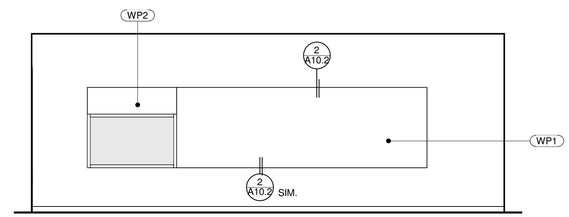
4 MULTI-PURPOSE ROOM 102 - NORTH
1/4" = 1'-0"



3 MULTI-PURPOSE 102 - EAST
1/4" = 1'-0"



7 TEENS 107 - SOUTH
1/4" = 1'-0"



6 KIDS MULTI-PURPOSE ROOM - 119
1/4" = 1'-0"

KEYNOTES

05.13 STEEL BEAM REF. STRUCT. DWGS. - PAINT
08.02 WINDOW, PER PLAN & SCHEDULE
08.04 FIBERGLASS SANDWICH PANEL TRANSLUCENT WALL SYSTEM
08.06 LOW VOLTAGE DOOR OPERATOR ACTIVATOR BAR
09.13 ACOUSTICAL WOOD PLANK CEILING ov/ FURRING HAT CHANNELS ov/ FRAMING PER STURCT. DWGS.
09.17 MODULAR ACOUSTIC WALL PANELS ADHERED ov/ GYP. BD. - REF. FINISH SECHEDULE AND INERIOR ELEVATIONS
10.19 EXIT SIGN BEAM MOUNT - ROUTE POWER THROUGH STEEL - REF. ELECT. DWGS.

WMB
ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY
LIBRARY

Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED ARCHITECT
SAMUEL G. WILLIAMS
C-31-25
STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

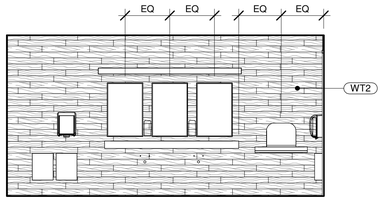
08.23.24	BID SET

INTERIOR ELEVATIONS

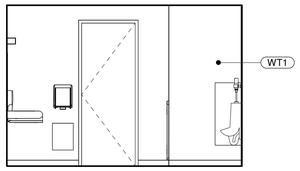
A10.4

9/26/2024 3:28:59 PM

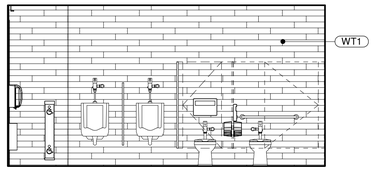
Copyright WMB, Inc.



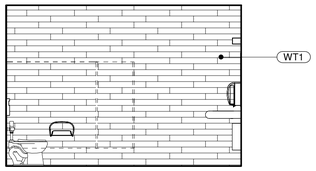
4 MEN 129 - S
1/4" = 1'-0"



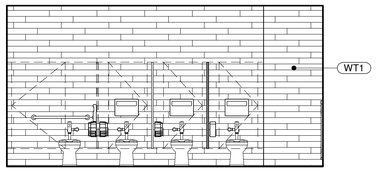
3 MEN 129 - W
1/4" = 1'-0"



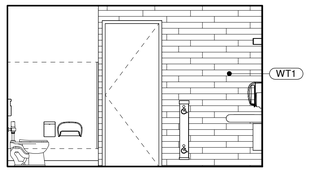
2 MEN 129 - N
1/4" = 1'-0"



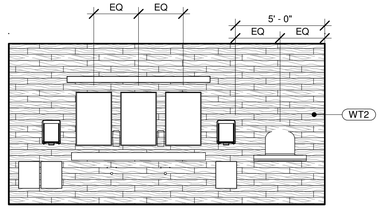
1 MEN 129 - E
1/4" = 1'-0"



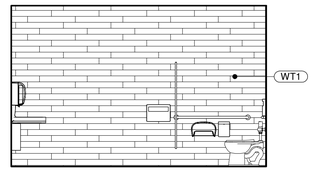
8 WOMEN 128 - S
1/4" = 1'-0"



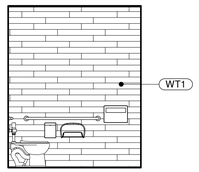
7 WOMEN 128 - W
1/4" = 1'-0"



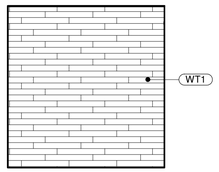
6 WOMEN 128 - N
1/4" = 1'-0"



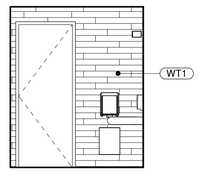
5 WOMEN 128 - E
1/4" = 1'-0"



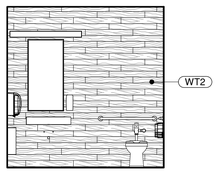
12 TOILET 122 - S
1/4" = 1'-0"



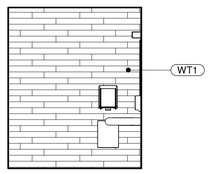
11 TOILET 122 - W
1/4" = 1'-0"



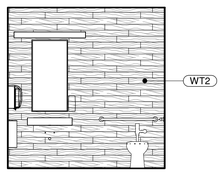
10 TOILET 122 - N
1/4" = 1'-0"



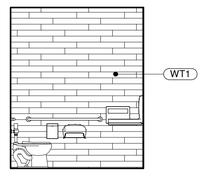
9 TOILET 122 - E
1/4" = 1'-0"



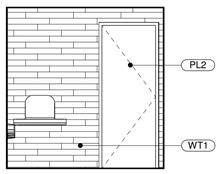
16 TOILET 124 - S
1/4" = 1'-0"



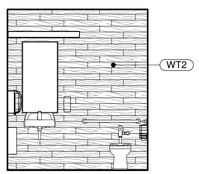
15 TOILET 124 - W
1/4" = 1'-0"



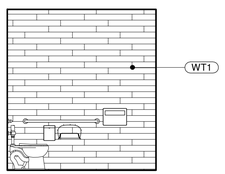
14 TOILET 124 - N
1/4" = 1'-0"



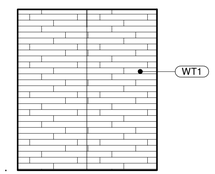
13 TOILET 124 - E
1/4" = 1'-0"



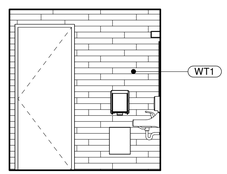
20 TOILET 132 - S
1/4" = 1'-0"



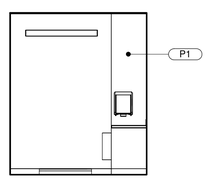
19 TOILET 132 - W
1/4" = 1'-0"



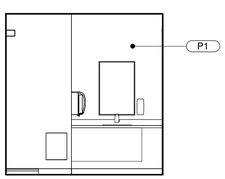
18 TOILET 132 - N
1/4" = 1'-0"



17 TOILET 132 - E
1/4" = 1'-0"



22 LACTATION 121 - S
1/4" = 1'-0"



21 LACTATION 121- W
1/4" = 1'-0"

LEGEND

P1	FINISH CODE - REF. LEGEND THIS SHEET
	ALIGN ADJACENT FINISH SURFACES
℄	CENTERLINE DESIGNATION

FINISHES LEGEND

CARPET
C1 - SHAW CONTRACT - COLLECTION: ANTHOLOGY - STYLE: JOURNAL TILE, 5T512 - COLOR: ESSAY 75429 - 18"x36"

RESILIENT FLOORING
LVT1 - MANNINGTON - COLLECTION: ACTIVE LINES - STYLE: SHIFT- COLOR: ZING (ALS201) 18"x18"

LVT2 - MANNINGTON - COLLECTION: ACTIVE LINES - STYLE: SHIFT- COLOR: ZING TEAL (ALS202) 18"x18"

LVT3 - MANNINGTON - COLLECTION: ACTIVE LINES - STYLE: SHIFT- COLOR: ZING BLUE (ALS203) 18"x18"

LVT4 - SHAWCONTRACT - STYLE: CRETE 0203V - COLOR: SLATE 03750 - 18"x18"

LVT5 - SHAWCONTRACT - STYLE: JEOGORI 0215V - COLOR: FLAX 90700 - 18"x18"

TILE
FT1 - FLOOR TILE; 24"x48" WHOLE COLLECTION - COLOR SAND - FINISH: NATURAL

FT2 - FLOOR TILE; 12"x24" WHOLE COLLECTION - COLOR SAND - FINISH: NATURAL

WT1 - WALL TILE; SHEN COLLECTION 8"x48" - WHITE SHADES

WT2 - WALL TILE; SHEN COLLECTION 8"x48" - BAMBOO

GROUT - COLORS T.B.D.

CONTACT: PAUL BELL
BELL ARCHITECTURAL MATERIALS
C. 916.708.1927
E. paulb.archmaterials@gmail.com

WALK OFF MAT
MT1 - NYSTROM - GRATEDESIGN - 1-3/4" ALUMINUM GRATE WITH 3" DEEP PIT CAST IN.
INSERTS: GD74 A - ALUMINUM

MT2 - NYSTROM - GRATEDESIGN - 3/4" ALUMINUM ROLL-UP GRATE WITH LEVEL BED, MECH. FASTENED. ALUMINUM FRAME
INSERTS: GR34 P - PREMIUM CARPET & GRILL MODEL: GR34V - VINYL

BASE
B1 - SCHLUTER - DESIGNBASE-SL - ANODIZED ALUMINUM. 3 1/8" HT. @ TILE FLOORS ENTRY 100 & HALL 125

B2 - 4" RUBBER BASE; COLOR T.B.D.

B3 - TILE TRANSITION; SCHLUTER DILEX-AHK - BRUSHED STAINLESS STEEL

B4 - 4" RUBBER BASE; COLOR T.B.D.

SOLID SURFACE
SS1 - CORIAN; QUARTZ - ALABASTER TERRAZZO

SS2 - CORIAN; SOLID SURFACE - SILVERITE

SS3 - WILSONART - BEIGE TRAVERTINE 9236SS

PLASTIC LAMINATE
PL1 - WILSONART; PREMIUM LAMINATE - BATTLESHIP 5014K-19 - LENO WEAVE FINISH - AEON SCRATCH RESISTANCE

PL2 - WILSONART; STANDARD LAMINATE - SAP WALNUT - 8221-38 - FINE VELVET FINISH

TFL1 - WILSONART; TFL WRAPPED 6" PANELS - COLOR TO MATCH WILSON ART; SAP WALNUT - 8221-38

WALL PANELS
WP1 - TACKABLE PANELS - FORBO BULLETIN BOARD - COLOR: DUCK EGG 2162

WP2 - TACKABLE PANELS - FORBO BULLETIN BOARD - COLOR: CINNAMON BARK 2207

WPE1 - WALL PANEL EDGE; SCHLUTER VINPRO-S - BRUSHED ANODIZED ALUMINUM

PAINT
P1 - *INTERIOR WALLS*: DUNN-EDWARDS - FRENCH WHITE DEW311 - LRV 75

P2 - *INTERIOR WALLS*: DUNN-EDWARDS - ARIZONA CLAY DET454 -LRV 22

P3 - *INTERIOR WALLS*: DUNN-EDWARDS - THUNDERCLOUD DE5774 - LRV 20

P4 - *INTERIOR WALLS*: DUNN-EDWARDS - MOTHER EARTH DE5718 - LRV 29

P5 - *HOLLOW METAL DOORS AND FRAMES*: DUNN-EDWARDS; T.B.D.

ACOUSTICAL WALL PANELS
AWP1 - ZINTRA ACOUSTIC SOLUTIONS - WALL PANELS - VJ BOARD NARROW ETCH HORIZONTAL PANEL - COLOR: PEBBLE

ACOUSTICAL CEILING PLANK
CP1 - SOUNDPLY 1"x6" CEILING PLANKS BY NAVY ISLAND; QUARTER SLICED WALNUT VENEER, CLEAR; RANDOM MATCH.

CEILING TILES
CT1 - CERTAINTEED SANDMICRO CUSTOMLINE MINERAL FIBER CEILING PANELS w/ NARROW REVEAL EDGE 24"x48" COLOR WHITE

CT2 - CERTAINTEED SYMPHONY, FIBERGLASS CEILING PANELS 48"x48" w/ NARROW REVEAL EDGE 48"x48" - COLOR WHITE

CT3 - FACT DESIGN WINK CLOSED PANEL - COLOR: F:02

CT4 - CERTAINTEED SAND MICRO CUSTOMLINE MINERAL FIBER CEILING PANELS w/ NARROW REVEAL EDGE 24"x24" COLOR WHITE

RESTROOMS PARTITIONS
RP1 - SCRANTON PRODUCTS - BRONZE - ROTARY BRUSHED

WINDOW SHADES
(NOTE: ALL SHADES ARE MANUAL, UNLESS OTHERWISE NOTED; REF. WINDOW SCHEDULE FOR SIZE)

WS1 - MECHO, THERMOVEIL DENSE BASKET WEAVE 1500 SERIES; COLOR: TO BE SELECTED BY ARCHITECT

WS2 - MECHO, THERMOVEIL DENSE BASKET WEAVE 1500 SERIES; COLOR: TO BE SELECTED BY ARCHITECT

WS3 - MECHO, DISTINCTIVE BLACKOUT 0800 SERIES; COLOR TO BE SELECTED BY ARCHITECT

WMB
ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY
LIBRARY

Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED ARCHITECT
SAMUEL G. WOLFF
C-34747
31-25
STATE OF CALIFORNIA

NOT FOR CONSTRUCTION

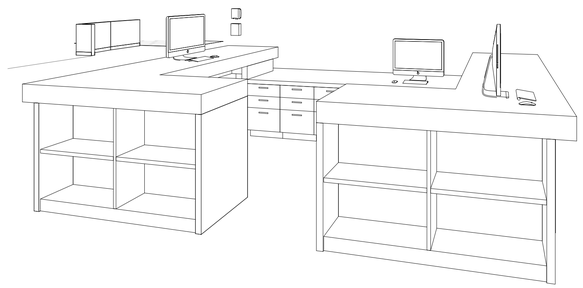
08.23.24	BID SET

INTERIOR ELEVATIONS

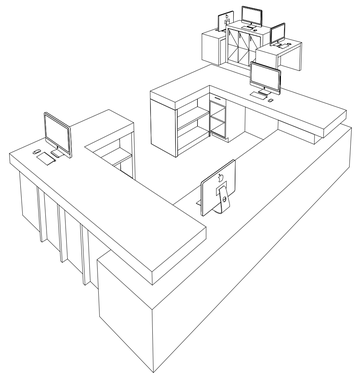
A10.5

8/26/2024 3:29:02 PM

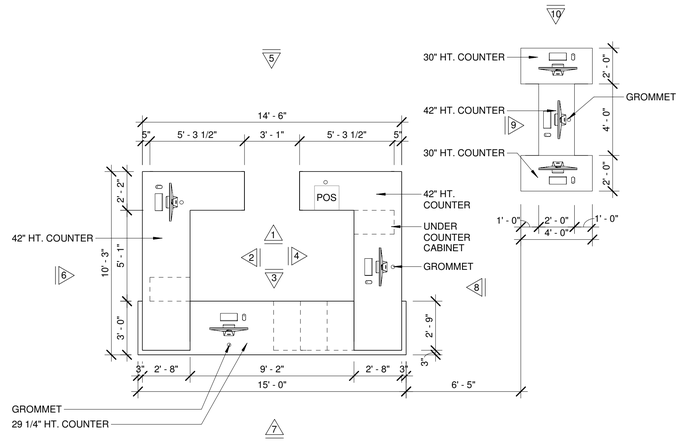
Copyright WMB, Inc.



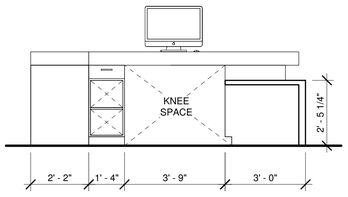
CIRCULATION DESK - 3D VIEW.



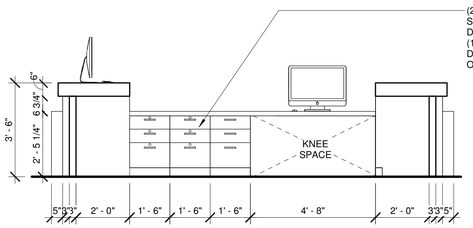
CIRCULATION DESK - 3D. VIEW



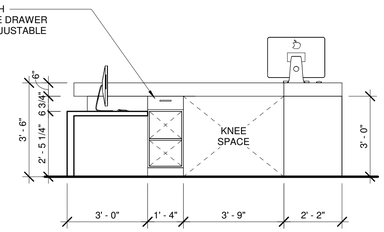
A FLOOR PLAN - CIRCULATION DESK & SELF CHECKOUT
1/4" = 1'-0"



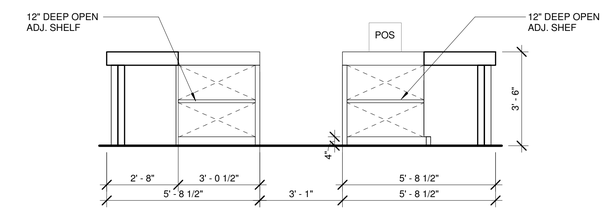
4 CIRCULATION DESK - EAST ELEV. (INT.)
3/8" = 1'-0"



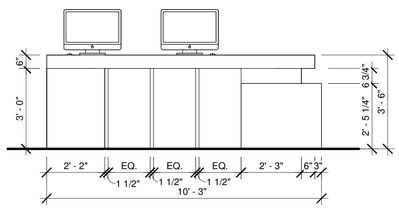
3 CIRCULATION DESK - NORTH ELEV. (INT.)
3/8" = 1'-0"



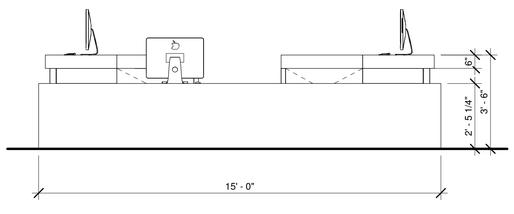
2 CIRCULATION DESK - WEST ELEV. (INT.)
3/8" = 1'-0"



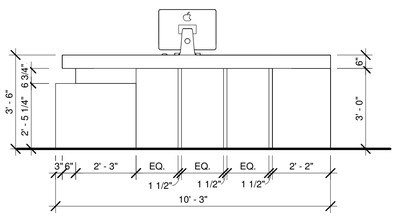
1 CIRCULATION DESK - SOUTH ELEV. (INT.)
3/8" = 1'-0"



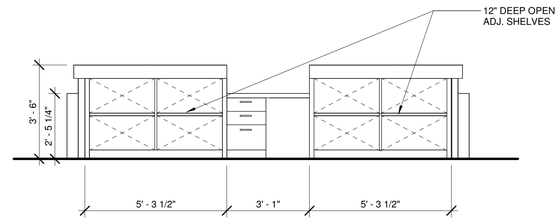
6 CIRCULATION DESK - EAST ELEV. (EXT.)
3/8" = 1'-0"



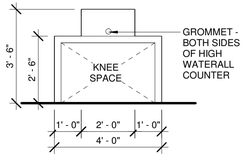
7 CIRCULATION DESK - SOUTH ELEV. (EXT.)
3/8" = 1'-0"



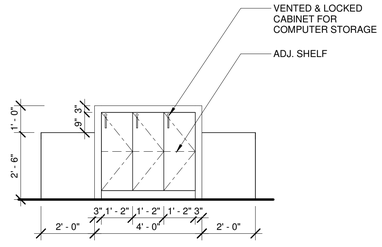
8 CIRCULATION DESK - WEST ELEV. (EXT.)
3/8" = 1'-0"



5 CIRCULATION DESK - NORTH ELEV. (EXT.)
3/8" = 1'-0"



10 SELF-CHECKOUT DESK - NORTH ELEV.
3/8" = 1'-0"



9 SELF-CHECKOUT DESK
3/8" = 1'-0"

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY

Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED ARCHITECT SAMUEL G. WMB C-47,7 5-31-25 STATE OF CALIFORNIA

NOT FOR CONSTRUCTION

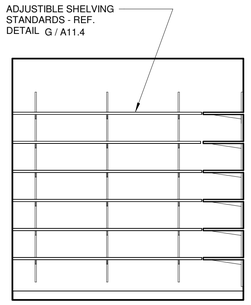
08.23.24	BID SET

CASEWORK ELEVATIONS

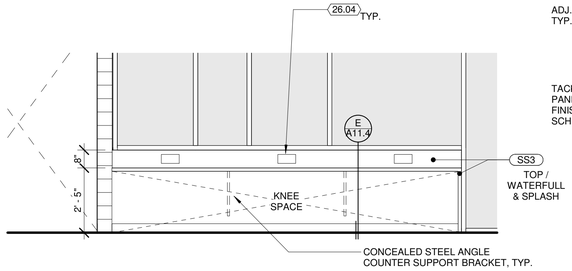
A11.1

[redacted]

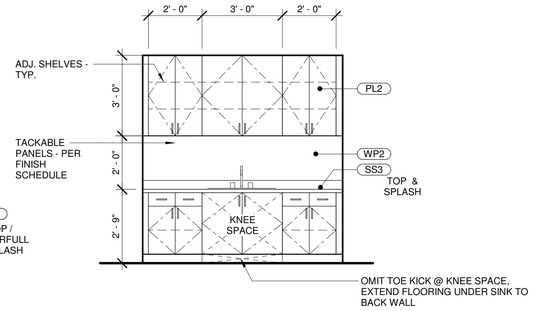
8/26/2024 3:29:04 PM Copyright WMB, Inc.



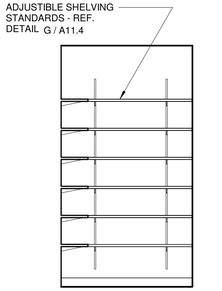
9 STOR. 126 - EAST
3/8" = 1'-0"



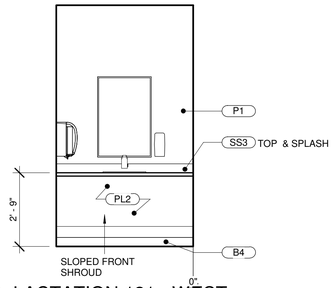
5 COUNTER @ TEENS 107 SOUTH
3/8" = 1'-0"



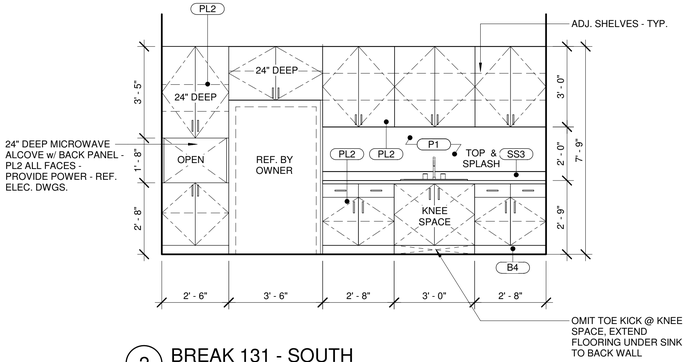
1 KIDS MULTI-PURPOSE 119 - EAST
3/8" = 1'-0"



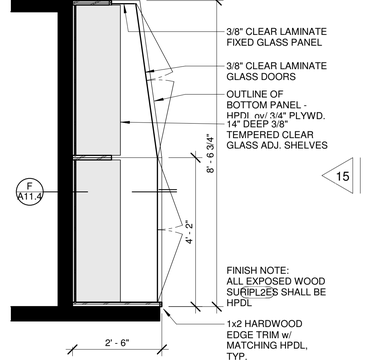
10 STOR. 126 - SOUTH
3/8" = 1'-0"



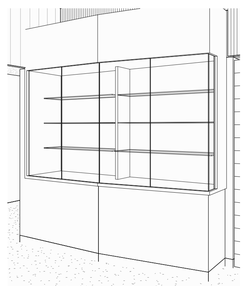
6 LACTATION 121 - WEST
3/8" = 1'-0"



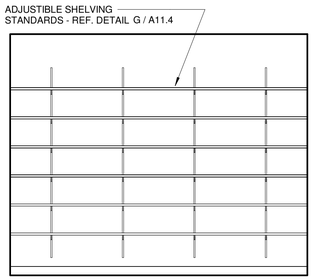
2 BREAK 131 - SOUTH
3/8" = 1'-0"



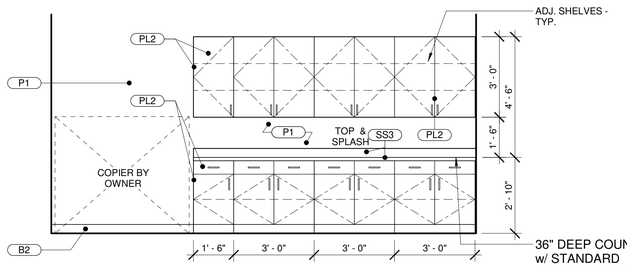
12 DISPLAY CABINET PLAN
1/2" = 1'-0"



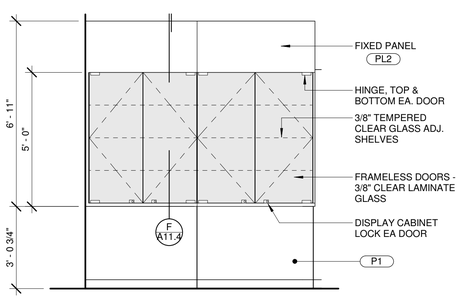
11 DISPLAY CABINET
NOT TO SCALE



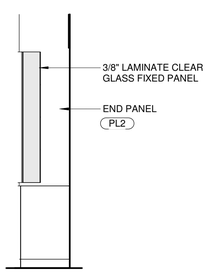
7 JAN. 123 - WEST
3/8" = 1'-0"



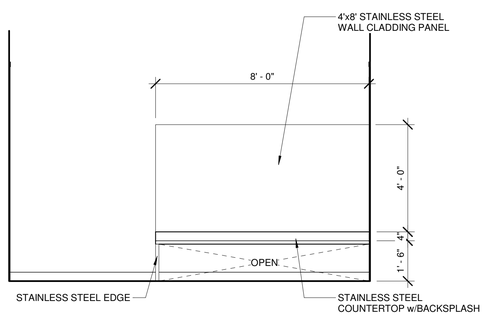
3 OPEN OFFICE 111 - SOUTH
3/8" = 1'-0"



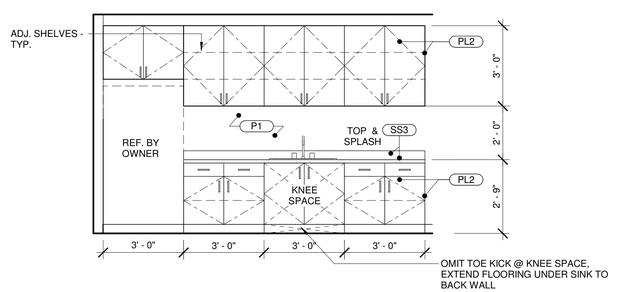
15 DISPLAY CABINET
3/8" = 1'-0"



14 DISPLAY CABINET
3/8" = 1'-0"



8 RECEIVING 110 - WEST
3/8" = 1'-0"



4 MULTI PURPOSE 102 - SOUTH
3/8" = 1'-0"

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY

Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED ARCHITECT SAMUEL G. [redacted] 31-25 STATE OF CALIFORNIA

NOT FOR CONSTRUCTION

08.23.24	BID SET

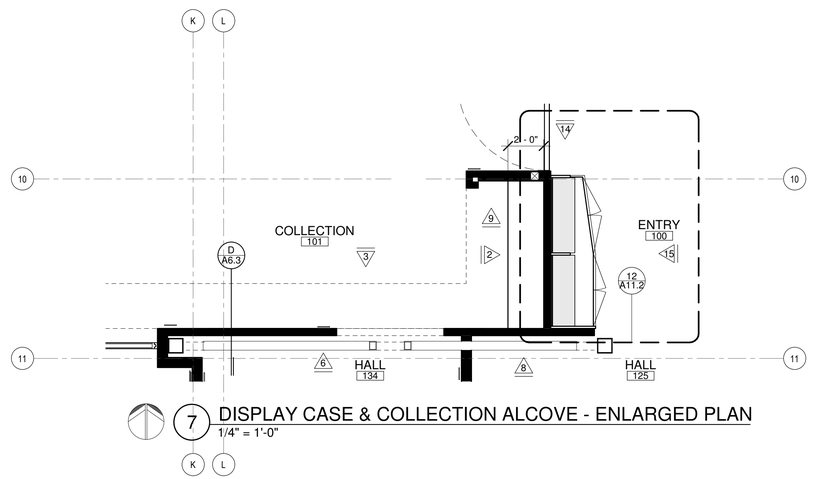
UPDATED DETAILS

CASEWORK ELEVATIONS

A11.2

[redacted]

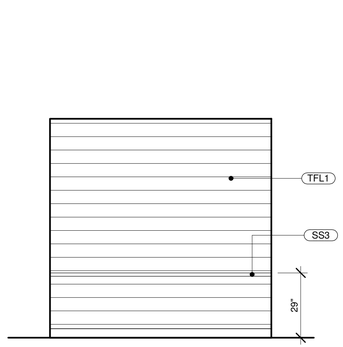
8/26/2024 3:29:07 PM Copyright WMB, Inc.



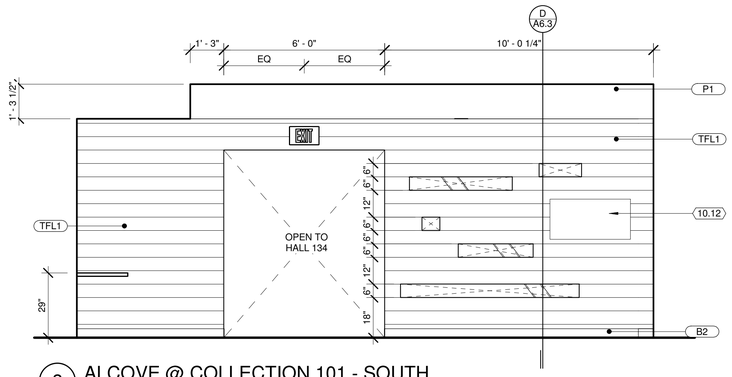
7 DISPLAY CASE & COLLECTION ALCOVE - ENLARGED PLAN
1/4" = 1'-0"

KEYNOTES

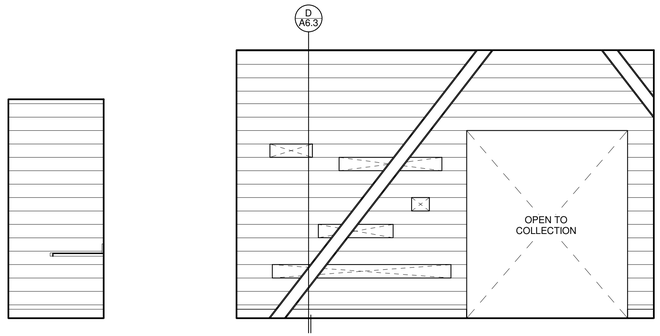
10.12	DIGITAL SIGNAGE DISPLAY - PROVIDE BACKING, DATA & POWER AS REQ'D. REF. ELEC. DWGS. - CONFIRM LOCATION AND HEIGHT w/ OWNER
B2	[BASE 2]
P1	FRENCH WHITE - LRV 75
SS3	SOILD SURFACE - BEIGE TRAVERTINE
TFL1	



2 ALCOVE @ COLLECTION 101 - EAST
3/8" = 1'-0"

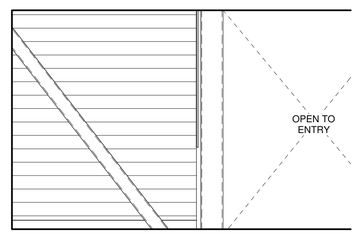


3 ALCOVE @ COLLECTION 101 - SOUTH
3/8" = 1'-0"



9 Elevation 12 - a
3/8" = 1'-0"

6 Elevation 10 - a
3/8" = 1'-0"



8 Elevation 11 - a
3/8" = 1'-0"

WMB
ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY
LIBRARY

Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

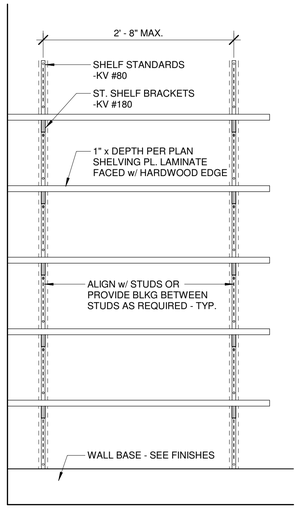
LICENSED ARCHITECT
SAMUEL G. WILLIAMS
STATE OF CALIFORNIA
C-31-25
NOT FOR CONSTRUCTION

08.23.24	BID SET

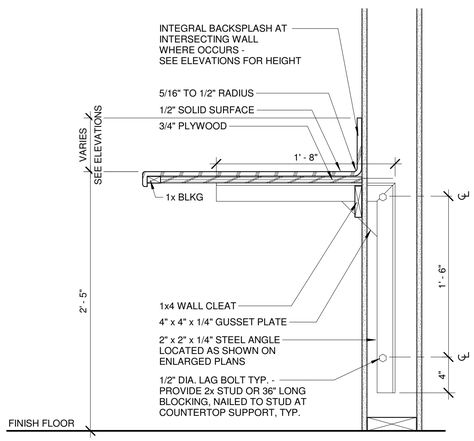
CASEWORK ELEVATIONS

A11.3

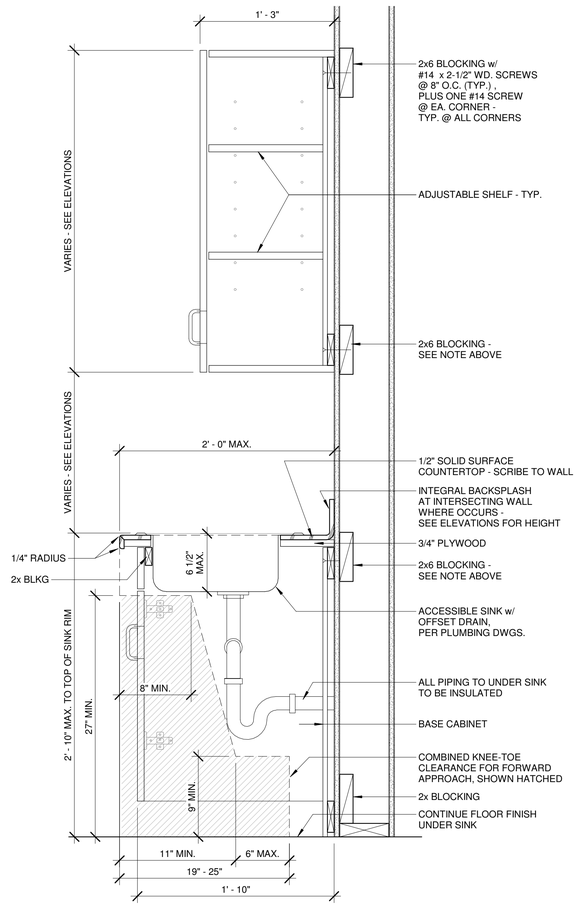
8/26/2024 3:29:08 PM
Copyright WMB, Inc.



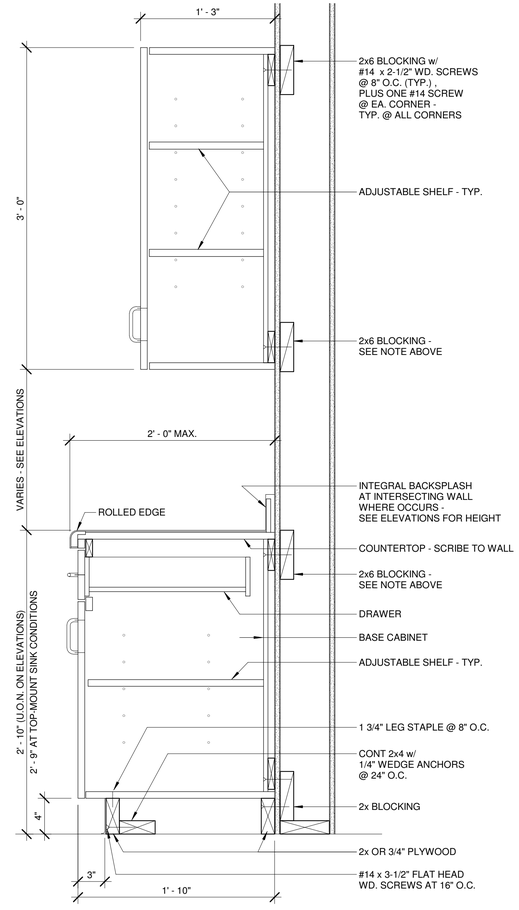
G JANITOR SHELVING
1" = 1'-0"



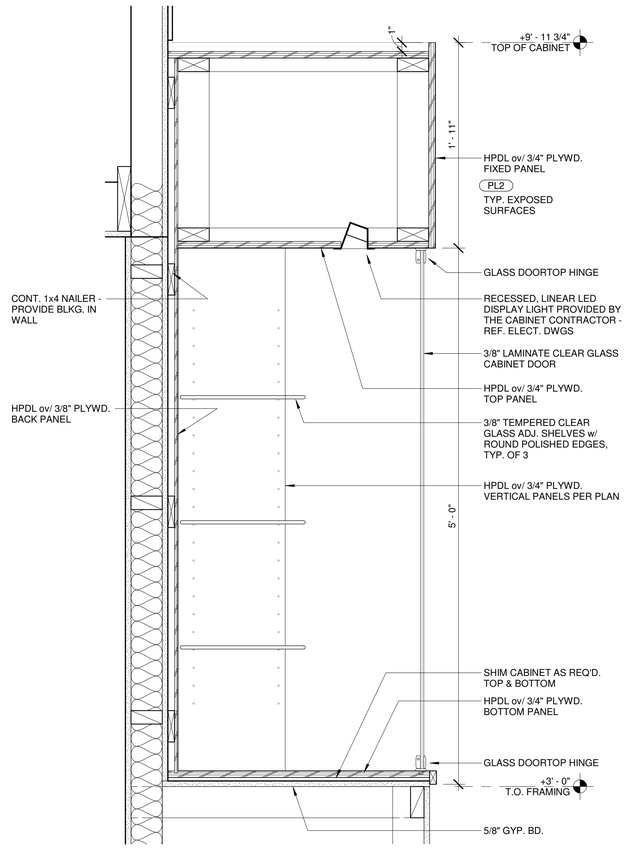
E COUNTER SUPPORT
1 1/2" = 1'-0"



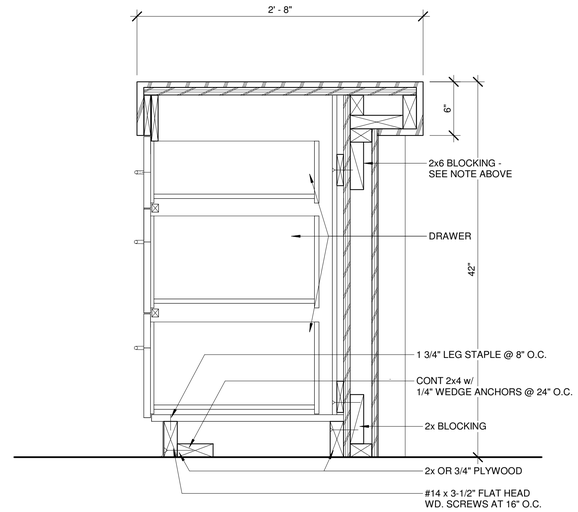
C CABINET SECTION w/ SINK
1 1/2" = 1'-0"



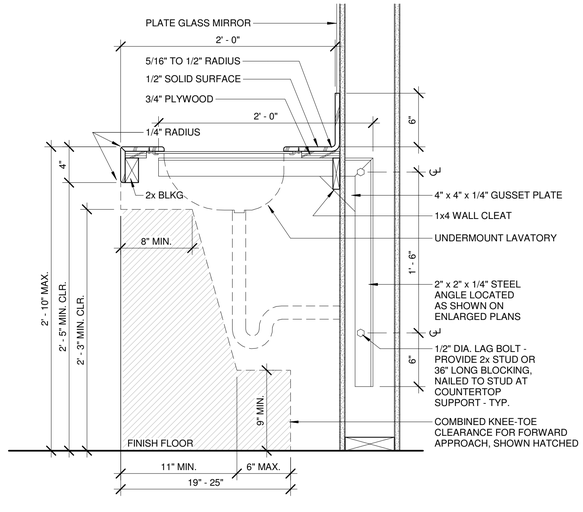
A TYP. CABINET SECTION
1 1/2" = 1'-0"



F DISPLAY CABINET SECTION
1 1/2" = 1'-0"



D CIRCULATION STAND UP DESK w/CABINET
1 1/2" = 1'-0"



B LAV. COUNTER AND SUPPORT
1 1/2" = 1'-0"

WMB
ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY
LIBRARY

Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

LICENSED ARCHITECT
SAMUEL G. WILLIAMS
No. C-31147
12-31-25
STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

08.23.24	BID SET

CASEWORK DETAILS

A11.4

8/26/2024 3:29:09 PM
Copyright WMB, Inc.

STRUCTURAL ABBREVIATIONS:

(FOR REFERENCE, NOT ALL ARE APPLICABLE)

@	AT
L	ANGLE
AB	ANCHOR BOLT
ABV	ABOVE
AC	ASPHALTIC CONCRETE
ACI	AMERICAN CONCRETE INSTITUTE
ADDNL	ADDITIONAL
ADJ	ADJACENT
AFF	ABOVE FINISH FLOOR
AGG	AGGREGATE
AISC	AMERICAN INSTITUTE FOR STEEL CONSTRUCTION
AISI	AMERICAN IRON & STEEL INSTITUTE
ALT	ALTERNATE
ALUM	ALUMINUM
APA	THE ENGINEERED WOOD ASSOCIATION
APPROX	APPROXIMATE
ARCH	ARCHITECT / ARCHITECTURAL
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS
ASD	ALLOWABLE STRESS DESIGN
ASTM	AMERICAN SOCIETY FOR TESTING & MATERIALS
ATR	ALL-THREAD ROD
AWS	AMERICAN WELDING SOCIETY
BEV	BEVELED
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BLW	BELOW
BM	BEAM
BN	BOUNDARY NAILING / BOUNDARY FASTENING
BOC	BOTTOM OF CONCRETE
BOF	BOTTOM OF FOOTING
BOS	BOTTOM OF STEEL
BOTT	BOTTOM
BRBF	BUCKLING - RESTRAINED BRACED FRAME
BRCG	BRACING
BRG	BEARING
BRG PL	BEARING PLATE
BTW	BETWEEN
BYD	BEYOND
C	CAMBER
CBC	CALIFORNIA BUILDING CODE
CCR	CALIFORNIA CODE OF REGULATIONS
CE	CIVIL ENGINEER
CG	CENTER OF GRAVITY
CIP	CAST-IN-PLACE
CJ	CONSTRUCTION JOINT
CJP	COMPLETE JOINT PENETRATION
CL	CENTERLINE
CLG	CEILING
CLR	CLEAR
CLSM	CONTROLLED LOW-STRENGTH MATERIAL
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONSTR	CONSTRUCTION
CONT	CONTINUOUS
COORD	COORDINATE / COORDINATION
CRC	COLD-ROLLED CHANNEL
CRS	COLD-ROLLED STEEL
CTR	CENTER
CTRD	CENTERED
CTSK	COUNTERSINK / COUNTERSUNK
DBL	DOUBLE
DEG	DEGREE
DEMO	DEMOLITION
DEPR	DEPRESSED
DF	DOUGLAS FIR
DIA (Ø)	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DJ	DOWELED JOINT
DL	DEAD LOAD
DLT	DEEP LEG TRACK
DN	DOWN
DO	DUPLICATE ORDER
DSA	DIVISION OF THE STATE ARCHITECT
DTL	DETAIL
DWG	DRAWING
(E)	EXISTING CONDITION
EA	EACH
EB	EXPANSION BOLT
EE	EACH END
EF	EACH FACE
EJ	EXPANSION JOINT
ELEV	ELEVATION
EMBED	EMBEDMENT
EN	EDGE NAILING / EDGE FASTENING
EOR	ENGINEER OF RECORD
EOS	EDGE OF SLAB
EQ (=)	EQUAL
EQUIP	EQUIPMENT
ES	EACH SIDE
EW	EACH WAY
EXTR	EXTERIOR
f ' c	MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF CONCRETE
FAB	FABRICATE
FBC	FLAT BAR COLLECTOR
FD	FLOOR DRAIN
FF	FINISH FLOOR
FFE	FINISH FLOOR ELEVATION
FG	FINISH GRADE
FHWS	FLAT HEAD WOOD SCREW
FIN	FINISH
FJ	FLOOR JOIST
FLG	FLANGE
FLR	FLOOR
FN	FIELD NAILING / FIELD FASTENING
FND	FOUNDATION
FOC	FACE OF CONCRETE
FOS	FACE OF STUD
FRMG	FRAMING
FT (')	FOOT / FEET
FTG	FOOTING
Fy	SPECIFIED YIELD STRENGTH OF REINFORCING, PSI OR SPECIFIED MINIMUM YIELD STRESS OF STEEL, KSI
GA	GAUGE
GALV	GALVANIZED
GL	GLUE LAMINATED LUMBER
GRD	GRADE
GT	GROUT
GWB	GYPSUM WALLBOARD
HAS	HEADED ANCHOR STUD
HCAI	DEPARTMENT OF HEALTH CARE ACCESS & INFORMATION
HD	HOLDOWN
HDG	HOT-DIPPED GALVANIZED
HDR	HEADER
HK	HOOK
HORIZ	HORIZONTAL
HSB	HIGH-STRENGTH BOLT
HSS	HOLLOW STRUCTURAL SECTION
HT	HEIGHT
IBC	INTERNATIONAL BUILDING CODE
ICC	INTERNATIONAL CODE COUNCIL
ID	INSIDE DIAMETER
IJ	ISOLATION JOINT
IN (")	INCH
INFO	INTERIOR
INTR	INFORMATION
JST	JOIST
JT	JOINT
KSI	KIPS PER SQUARE INCH
LBS	POUNDS
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LGTH	LENGTH
LONG	LONGITUDINAL
LS	LAG SCREW
LSL	LAMINATED STRAND LUMBER
LT WT	LIGHT WEIGHT
LVL	LAMINATED VENEER LUMBER
LWC	LIGHT WEIGHT CONCRETE
MAX	MAXIMUM
MB	MACHINE BOLT
MECH	MECHANICAL
MEP	MECHANICAL, ELECTRICAL, PLUMBING
MEZZ	MEZZANINE
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
mm	MILLIMETER
MRD	METAL ROOF DECK
MTL	METAL
(N)	NEW
N / A	NOT APPLICABLE
NDS	NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION
NIC	NOT IN CONTRACT
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NO. (#)	NUMBER OR POUNDS
NOM	NOMINAL
NS&FS	NEARSIDE & FARSIDE
NSG	NON SHRINK GROUT
NTS	NOT TO SCALE
NWC	NORMAL WEIGHT CONCRETE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OH	OPPOSITE HAND
OP	OPERATING
OPG	OPENING
OPP	OPPOSITE
OSB	ORIENTED STRAND BOARD
OSHA	OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION
OH	OPPOSITE HAND
OVSH	OVERSIZED HOLE
OWSJ	OPEN WEB STEEL JOIST
PAF	POWDER / POWER-ACTUATED FASTENER
PC	PIPE COLUMN
PCC	PRECAST CONCRETE
PCF	POUNDS PER CUBIC FOOT
PEMB	PRE-ENGINEERED METAL BUILDING
PERP	PERPENDICULAR
PJP	PARTIAL JOINT PENETRATION
PL	PLATE
PLF	PER LINEAR FOOT
PLWD	PLYWOOD
PN	PERIMETER NAILING / PERIMETER FASTENING
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSL	PARALLEL STRAND LUMBER
PT	POINT
PTDF	PRESSURE TREATED DOUG FIR
PV	PHOTOVOLTAIC
PVC	POLYVINYL CHLORIDE
R	RADIUS
REINF	REINFORCING / REINFORCEMENT
REQ	REQUIRED
RHWS	ROUND HEAD WOOD SCREW
RJ	ROOF JOIST
RR	ROOF RAFTER
RSB	RECESSED STUD BOLT
SAD	SEE ARCHITECTURAL DRAWINGS
SC	SLIP-CRITICAL
SCBF	SPECIAL CONCENTRIC BRACED FRAME
SCHED	SCHEDULE
SCJ	SHRINKAGE CONTROL JOINT
SDPWS	SPECIAL DESIGN PROVISIONS FOR WIND & SEISMIC
SDST	SELF-DRILLING SELF-TAPPING
SE	STRUCTURAL ENGINEER
SEIS JT	SEISMIC JOINT
SEOR	STRUCTURAL ENGINEER OF RECORD
SHRWL	SHEARWALL
SHT	SHEET
SHTHG	SHEATHING
SIM	SIMILAR
SJ	SHRINKAGE JOINT
SFRS	SEISMIC FORCE RESISTING SYSTEM
SM	SHEET METAL
SMRF	SPECIAL MOMENT RESISTING FRAME
SMS	SHEET METAL SCREWS
SOG	SLAB ON GRADE
SP	STRUCTURAL PANEL
SPCG	SPACING
SPEC	SPECIFICATION
SQ	SQUARE
SS	STAINLESS STEEL
STAG	STAGGER
STD	STANDARD
STIFF	STIFFENER
STL	STEEL
STRUC	STRUCTURAL
SYM	SYMMETRICAL
T24	TITLE 24 CALIFORNIA CODE
tf	FLANGE THICKNESS
THK	THICK / THICKNESS
THRD	THREAD OR THREADED
TN	TOE NAIL
T.O.	TOP OF
TOC	TOP OF CONCRETE
TOF	TOP OF FOOTING / TOP OF FRAMING
TOS	TOP OF STEEL
TOW	TOP OF WALL
TRAN	TRANSVERSE
TS	(SEE HSS)
TYP	TYPICAL
T&B	TOP & BOTTOM
T&G	TONGUE & GROOVE
UBC	UNIFORM BUILDING CODE
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
VIF	VERIFY IN FIELD
W/	WITH
W/O	WITHOUT
WDW	WINDOW
WF	WIDE FLANGE
WP	WORK POINT
WPS	WELDING PROCEDURE SPECIFICATION
WRT	WITH RESPECT TO
WS	WOOD SCREW
WT	WEIGHT / STRUCTURAL TEE
WWF	WELDED WIRE FABRIC

FOUNDATIONS:

1. REFER TO RECOMMENDATIONS IN GEOTECHNICAL REPORT, FILE NO. S2665-05-01 BY GEOCON CONSULTANTS, INC. DATED 05/24/2024. ALLOWABLE SOIL BEARING PRESSURE FOR FOUNDATION IS 2,000 PSF (DL + LL) AND 2,666 PSF (DL + LL + SEISMIC OR WIND).
2. ALL SITEWORK AND GRADING SHALL BE DONE IN COMPLIANCE WITH THE GEOTECHNICAL REPORT AND THE CONTRACT DOCUMENTS.
3. GEOTECHNICAL ENGINEER SHALL BE RETAINED TO PROVIDE INSPECTION AND TESTING SERVICES DURING GRADING AND FOUNDATION PHASE OF CONSTRUCTION AS PER GEOTECHNICAL REPORT RECOMMENDATIONS. GEOTECHNICAL ENGINEER SHALL VERIFY CONDITION AND / OR ADEQUACY OF ALL FOUNDATION EXCAVATIONS PRIOR TO PLACING FORMS OR REINFORCING. WHERE FOOTING BOTTOMS WILL BEAR ON CONTROLLED LOW-STRENGTH MATERIAL (CLSM), THE CLSM SHALL COMPLY WITH THE PROVISIONS OF THE GEOTECHNICAL REPORT AS REQUIRED BY SECTION 1804.2 OF THE 2022 CBC.
4. ALL FOUNDATIONS ARE SHOWN AND DIMENSIONED AS BEING FORMED. FOUNDATIONS MAY BE PLACED IN NEAT EXCAVATIONS PROVIDED FOOTINGS ARE INCREASED 2" IN WIDTH, SEE TYPICAL UNFORMED FOOTING DETAIL.
5. EXCAVATIONS SHALL BE CLEANED OF ALL DEBRIS AND LOOSE SOIL. STANDING WATER SHALL BE REMOVED PRIOR TO CONCRETE PLACEMENT.
6. FOUNDATION DEPTHS INDICATED ON PLANS ARE MINIMUMS BASED OFF OF THE GEOTECHNICAL REPORT MENTIONED ABOVE, AND ARE FOR ESTIMATING PURPOSES. FINAL DEPTHS OF FOOTINGS MAY CHANGE AT THE TIME OF EXCAVATION BY THE GEOTECHNICAL ENGINEER. FOUNDATION DEPTHS DO NOT NECESSARILY ACCOUNT FOR ALL PIPES, CONDUITS, UTILITIES AND TRENCHES ADJACENT TO OR CROSSING FOOTINGS AS SHOWN OR INDICATED ON ALL OTHER CONTRACT DOCUMENTS. STEP FOOTINGS AS REQUIRED TO COMPLY WITH TYPICAL DETAILS FOR PIPES AND CONDUIT AT FOOTINGS.
7. TOPS AND BOTTOMS OF ALL FOUNDATIONS SHALL BE LEVEL. SLOPING FOUNDATIONS ARE NOT PERMITTED. CHANGES IN BOTTOM OF FOUNDATION ELEVATIONS SHALL BE MADE ACCORDING TO STEPPED FOOTING DETAILS.
8. FOOTINGS SHALL BE CENTERED UNDER WALLS AND / OR COLUMNS UNLESS OTHERWISE INDICATED ON DRAWINGS.
9. CONTRACTOR SHALL CHECK FOOTING FORMS TO VERIFY THAT THEY ARE SQUARE AND PLUMB. THE CONTRACTOR SHALL ALSO VERIFY THAT ALL INSERTS AND EMBEDS ARE IN THEIR CORRECT LOCATION AND ORIENTATION PRIOR TO PLACING CONCRETE.
10. NOTIFY THE STRUCTURAL ENGINEER 48 HOURS IN ADVANCE OF PLACING CONCRETE.

SHOP DRAWINGS:

PRIOR TO FABRICATION, SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW BY THE STRUCTURAL ENGINEER:

1. THE CONTRACTOR AGREES THAT SHOP DRAWING SUBMITTALS PROCESSED BY THE ENGINEER ARE NOT CHANGE ORDERS.
2. THE CONTRACTOR AGREES THAT THE PURPOSE OF SHOP DRAWING SUBMITTALS IS TO DEMONSTRATE TO THE ENGINEER THAT THE CONTRACTOR UNDERSTANDS THE DESIGN INTENT OF THE PROJECT AND COMPLIANCE WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS BY INDICATING WHICH MATERIAL THE CONTRACTOR INTENDS TO FURNISH AND INSTALL AND BY DETAILING THE FABRICATION AND INSTALLATION METHODS THE CONTRACTOR INTENDS TO USE.
3. THE CONTRACTOR IS RESPONSIBLE FOR DIMENSIONS ON THE SHOP DRAWINGS, WHICH MUST BE CONFIRMED AND CORRELATED AT THE JOBSITE, FOR COORDINATION OF HIS OR HER WORK WITH THAT OF ALL OTHER TRADES AND FOR PERFORMING WORK IN A SAFE AND SATISFACTORY MANNER.
4. THE CONTRACTOR IS RESPONSIBLE FOR MATERIAL QUANTITIES ON THE SHOP DRAWINGS.
5. THE CONTRACTOR IS TO REVIEW AND BE IN AGREEMENT WITH COMMENTS BY THE STRUCTURAL ENGINEER PRIOR TO PROCEEDING WITH FABRICATION.
6. THE SHOP DRAWINGS SHALL BE PREPARED FROM FRESH WORK. REPRODUCTIONS OF THE APPROVED DRAWINGS IS NOT PERMITTED.
7. PRIOR TO SUBMISSION THE CONTRACTOR SHALL REVIEW ALL SUBMITTALS FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS AND SHALL STAMP SUBMITTALS AS BEING "REVIEWED FOR CONFORMANCE".
8. ANY DETAIL ON THE SHOP DRAWING THAT DEVIATES FROM THE CONTRACT DOCUMENTS SHALL BE CLEARLY MARKED WITH THE NOTE "THIS IS A CHANGE". SEE GENERAL NOTES FOR MATERIAL SUBSTITUTIONS.
9. SHOP DRAWINGS OR CALCULATIONS SUBMITTED FOR REVIEW THAT REQUIRE MORE THAN ONE RESUBMITTAL FOR REVIEW SHALL BE BILLED HOURLY FOR SUCH TIME TO THE GENERAL CONTRACTOR. THE THIRD REVIEW WILL NOT PROCEED WITHOUT WRITTEN APPROVAL FROM THE GENERAL CONTRACTOR FOR ADDITIONAL ENGINEERING REVIEW SERVICES.
10. CAD FILES OF APPROVED DRAWINGS WILL NOT BE PROVIDED TO THE CONTRACTOR, SUBCONTRACTOR OR FABRICATOR FOR THE PREPERATION OF SHOP DRAWINGS.
11. SHOP DRAWING REVIEWS DO NOT CONSTITUTE AN APPROVAL FOR PURCHASE OR FABRICATION OF MATERIALS.

DEFFERED SUBMITTAL: (STRUCTURAL)

FOLLOWING IS A LIST OF ITEMS WHICH HAVE BEEN NOTED ON THE DRAWINGS BUT REQUIRE ADDITIONAL DESIGN AND / OR DETAILING BY A FIRM SPECIALIZING IN THIS TYPE OF WORK:

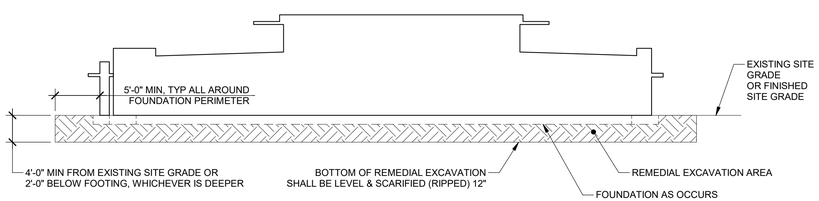
1. I-JOIST DESIGN & DETAILING
2. OPEN WEB STEEL JOIST DESIGN & DETAILING
3. KALWALL DESIGN & DETAILING

THESE DEFERRED SUBMITTALS (SHOP DRAWINGS AND CALCULATIONS) SHALL FIRST BE SUBMITTED TO THE STRUCTURAL ENGINEER OF RECORD FOR REVIEW AND COORDINATION, TO CONFIRM COMPLIANCE WITH DESIGN REQUIREMENTS NOTED ON STRUCTURAL DRAWINGS. (THE COORDINATION PROCESS MAY RESULT IN CHANGES TO THE DESIGN DRAWINGS). FOLLOWING THE COMPLETION OF THE REVIEW AND COORDINATION BY THE STRUCTURAL ENGINEER OF RECORD, A SUBMITTAL WILL THEN BE MADE TO THE BUILDING DEPARTMENT FOR THEIR REVIEW AND APPROVAL.

PERIODIC STRUCTURAL OBSERVATION:

CONTRACTOR SHALL NOTIFY STRUCTURAL ENGINEER AT FOLLOWING STAGES OF CONSTRUCTION AND PROVIDE ALL NECESSARY ACCESS AND ASSISTANCE TO ALLOW THE STRUCTURAL ENGINEER TO PERFORM SITE OBSERVATION VISITS. THESE VISITS DO NOT CONSTITUTE INSPECTION OF THE WORK. PROVIDE A MINIMUM OF 2 BUSINESS DAYS NOTICE PRIOR TO REQUIRED TIME OF VISIT.

[X] PRIOR TO FOUNDATION CONCRETE POUR(S)
[X] PRIOR TO CONCRETE SLAB ON GRADE CONCRETE POUR(S)
[X] STRUCTURAL FRAME 50% COMPLETE
[X] STRUCTURAL FRAME 100% COMPLETE
[X] PRIOR TO COVERING PLYWOOD SHEATHING AT WALLS
[X] PRIOR TO COVERING PLYWOOD ROOF / FLOORS
[X] FOLLOWING METAL DECK WELDING
[X] CLOSE-IN OF BRACE FRAMES
[X] EQUIPMENT ANCHORAGE COMPLETE



OVEREXCAVATION REQUIREMENTS
NTS

DESIGN CRITERIA (2022 CBC):

OCCUPANCY
RISK CATEGORY III

LIVE LOADS
ROOF ..... 20.0 PSF (REDUCIBLE) TYP

PHOTOVOLTAIC PANEL SYSTEM
ROOF LOAD ..... 5 PSF

LATERAL LOADS
WIND
EXPOSURE C
WIND SPEED (BASIC DESIGN) ..... 100 MPH (3 SEC GUST)
WIND SPEED (ASD) ..... 77 MPH
INTERNAL PRESSURE COEFFICIENT ..... GC pi = + 0.18 (ENCLOSED)

COMPONENTS & CLADDING (DESIGNED BY OTHERS)

ELEMENT	ZONE	$P = P_{TABLE}\,(EAF)(RF)\,K_{zt}$
ROOF	1 2 3	16.0 PSF & -43 PSF 16.0 PSF & -63 PSF 16.0 PSF & -75 PSF
ROOF OVERHANG	2 3	-73 PSF -97 PSF
WALL	4 5	21.5 PSF & -23.5 PSF 21.5 PSF & -29.0 PSF
PARAPETS	CLASS A CLASS B	59 PSF 45 PSF

1. PLUS & MINUS SIGNIFY PRESSURES ACTING TOWARD AND AWAY FROM THE SURFACES, RESPECTIVELY.
2. WIND PRESSURES ARE NET VALUES.
3. COMPONENT & CLASSING WIND LOADS ARE FOR A TRIBUTARY ARE OF 10 SQ FT OR LESS. WIND LOADS ON TRIBUTARY AREAS GREATER THAN 10 SQ FT MAY BE REDUCED FOLLOWING THE PROVISIONS OF ASCE 7-10.
4. ROOF SYSTEM, INCLUDING CONNECTIONS, SHALL BE DESIGNED AND CONSTRUCTED FOR THE REQUIRED UPLIFT PRESSURES.
5. ROOF OVERHANG PRESSURE INCLUDES LOAD FROM BOTH TOP & BOTTOM SURFACE OF OVERHANG.

SEISMIC
V = EQUIVALENT LATERAL FORCE PROCEDURE BASE SHEAR (STRENGTH DESIGN)

$V = C_S W$ = 0.243W (EAST/WEST DIRECTION)
0.225W (NORTH/SOUTH DIRECTION)

$C_S = \frac{S_{DS}}{(R\,/\,I_E)}$ = 0.243 (EAST/WEST DIRECTION)
0.225 (NORTH/SOUTH DIRECTION)

SITE SEISMIC PARAMETERS
SITE CLASS = D

S_S = 0.803 F_a = 1.179 S_{DS} = 0.631

S_1 = 0.314 F_v = 1.986 S_{D1} = 0.416

ρ = 1.0 I_e = 1.25

SEISMIC DESIGN CATEGORY = D

BASIC SEISMIC-FORCE-RESISTING SYSTEM:

ORDINARY MOMENT FRAMES (OMF)
(VALUES USED FOR ALL NORTH/SOUTH LATERAL SYSTEMS)
R = 3.5 Ω_o = 2.5 * C_d = 3.0
* OMEGA REDUCED PER TABLE 12.2-1 NOTE B

ORDINARY CONCENTRIC BRACE FRAME (OCBF)
(VALUES USED FOR ALL EAST/WEST LATERAL SYSTEMS)
R = 3.25 Ω_o = 2.0 C_d = 3.25

LIGHT FRAMED BEARING WALLS WITH WOOD SHEATHING
R = 6.5 Ω_o = 3.0 C_d = 4.0

INSPECTION NOTES:

GENERAL:
IN ADDITION TO THE INSPECTIONS REQUIRED BY SECTION 110 OF THE 2022 CBC, THE OWNER SHALL EMPLOY A SPECIAL INSPECTOR TO PERFORM SPECIAL INSPECTIONS AND TESTS AS INDICATED ON THE STATEMENT OF SPECIAL INSPECTIONS.

1. INSPECTORS: ALL TESTS AND INSPECTIONS SHALL BE PERFORMED BY AN INDEPENDENT INSPECTION AGENCY WHICH IS IN THE EMPLOYMENT OF THE OWNER.
2. ALL SPECIAL INSPECTION AND TESTING AGENCIES SHALL BE QUALIFIED PER ASTM E329 AND APPROVED BY THE BUILDING DEPARTMENT.
3. SPECIAL INSPECTORS SHALL SUBMIT INSPECTION REPORTS TO BUILDING DEPARTMENT, OWNER, ARCHITECT AND ENGINEER WITHIN TWO WEEKS OF PERFORMANCE OF INSPECTION OR TEST.
4. REFER TO CHAPTER 17 OF THE CODE FOR OTHER REQUIRED SPECIAL INSPECTIONS AND TESTS NOT LISTED.
5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SEE THAT THE TESTS AND INSPECTIONS ARE PERFORMED. JOBSITE VISITS BY THE STRUCTURAL ENGINEER DO NOT CONSTITUTE AND ARE NOT A SUBSTITUTE FOR INSPECTIONS.
6. PRIOR TO THE COMPLETION OF WORK INCLUDED IN THE CONSTRUCTION DOCUMENTS, SPECIAL INSPECTORS SHALL SUBMIT A FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND TESTS, AND CORRECTIONS OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS OR TESTS, TO THE BUILDING OFFICIAL, OWNER, ARCHITECT AND ENGINEER.
7. WHERE THE CONTRACTOR CHOOSES TO USE AN APPROVED ALTERNATIVE MEANS FOR FASTENING OR ANCHORING MATERIALS THAT REQUIRE SPECIAL FIELD INSPECTION, SUCH AS FIELD WELDING, ADHESIVE OR EXPANSIVE ANCHORS, ETC. ALL ADDITIONAL SPECIAL INSPECTION AND TESTING COSTS SHALL BE PAID BY THE OWNER AND DEDUCTED FOR THE CONTRACT AMOUNT.

GENERAL NOTES:

1. ALL DRAWINGS ARE CONSIDERED TO BE A PART OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS AND SPECIFICATIONS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES THAT OCCUR SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO THE START OF CONSTRUCTION SO THAT A CLARIFICATION CAN BE ISSUED. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE AND AT NO EXPENSE TO THE OWNER OR ARCHITECT.
2. TYPICAL NOTES AND DETAILS SHALL APPLY UNLESS OTHERWISE SHOWN OR NOTED ON DRAWINGS.
3. DETAILS OF CONSTRUCTION NOT FULLY SHOWN SHALL BE OF THE SAME NATURE AS SHOWN FOR SIMILAR CONDITION.
4. ALL WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF THE 2022 CALIFORNIA BUILDING CODE, CCR, TITLE 24, PART 2, VOLUME 2 WITH LATEST REVISIONS REFERRED TO HERE AS THE "THE CODE", AND OTHER REGULATING AGENCIES WHICH HAVE AUTHORITY OVER ANY PORTION OF THE WORK. INCLUDING THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY, AND THOSE CODES AND STANDARDS LISTED IN THESE NOTES AND SPECIFICATIONS.
5. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE GIVEN, CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK. IF CONFLICTS OCCUR BETWEEN DRAWINGS AND SPECIFICATIONS, THE MOST EXPENSIVE MATERIALS OR METHODS SHALL PREVAIL (FOR BIDDING). STRUCTURAL ENGINEER SHALL BE NOTIFIED OF CONFLICTS AND THAT PORTION OF WORK SHOULD NOT PROCEED UNTIL CONFLICT IS RESOLVED.
6. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION.
7. ASTM SPECIFICATIONS ON THE DRAWINGS AND SPECIFICATIONS SHALL BE OF THE LATEST REVISION.
8. CONSTRUCTION MATERIAL SHALL BE SPREAD OUT IF PLACED ON FRAMED ROOF OR FLOOR. LOAD SHALL NOT EXCEED DESIGN LIVE LOAD PER SQUARE FOOT. PROVIDE ADEQUATE SHORING AND / OR BRACING WHERE STRUCTURE HAS NOT ATTAINED DESIGN STRENGTH.
9. HEAVY EQUIPMENT, CRANES AND MATERIAL STOCKPILES SHALL NOT BE LOCATED ON OR ADJACENT TO SHORING.
10. SUBSTITUTIONS FOR STRUCTURAL MEMBERS, HARDWARE, OR DETAILS SHALL BE REVIEWED BY THE ARCHITECT AND STRUCTURAL ENGINEER AND APPROVED BY THE APPROPRIATE AGENCY. FOR A SUBSTITUTION TO BE REVIEWED THE CONTRACTOR SHALL AGREE AND COMPLY WITH THE FOLLOWING:
    A. THE CONTRACTOR SHALL BE BILLED ON A TIME AND MATERIALS BASIS FOR THE REVIEW OF THE SUBSTITUTION WITH NO GUARANTEE OF APPROVAL.
    B. VERIFY THAT THE SUBSTITUTION DOES NOT AFFECT DIMENSIONS SHOWN ON DRAWINGS.
    C. THE CONTRACTOR SHALL ALSO PAY FOR CHANGES TO THE BUILDING DESIGN, WHICH INCLUDES BUT IS NOT LIMITED TO; ENGINEERING DESIGN, DETAILING, APPROVAL AGENCY PROCESS AND CONSTRUCTION COSTS CAUSED BY THE REQUESTED SUBSTITUTION.
    D. THE PROPOSED SUBSTITUTION IS TO HAVE NO ADVERSE AFFECT ON OTHER TRADES, THE CONSTRUCTION SCHEDULE, OR THE SPECIFIED WARRANTY REQUIREMENTS.
11. NO STRUCTURAL MEMBERS SHALL BE CUT, NOTCHED OR OTHERWISE PENETRATED UNLESS SPECIFICALLY APPROVED BY THE STRUCTURAL ENGINEER IN ADVANCE OR SHOWN ON THESE DRAWINGS.
12. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION. DIMENSIONS AND ELEVATIONS MUST BE VERIFIED WITH ARCHITECTURAL DRAWINGS. IN THE EVENT OF A CONFLICT, THE STRUCTURAL ENGINEER AND ARCHITECT ARE TO BE NOTIFIED IMMEDIATELY. DRAWING SCALES GIVEN ARE APPROXIMATE - DO NOT SCALE PLANS OR DETAILS.
13. SITE VISITS BY STRUCTURAL ENGINEER SHALL NOT BE IN LIEU OF INSPECTIONS.
14. SEE ARCHITECTURAL DRAWINGS FOR THE FOLLOWING:
    - SIZE AND LOCATION OF ALL DOOR AND WINDOW OPENINGS.
    - SIZE AND LOCATION OF ALL INTERIOR AND EXTERIOR NON-BEARING PARTITIONS.
    - SIZE AND LOCATION OF ALL CONCRETE CURBS, EQUIPMENT PADS, PITS, FLOOR DRAINS, SLOPES AND DEPRESSED AREAS, CHANGE IN LEVEL, CHAMFERS, GROOVES, INSERTS, ETC.
    - SIZE AND LOCATION OF ALL FLOOR AND ROOF OPENINGS EXCEPT AS SHOWN.
    - FLOOR AND ROOF FINISHED.
    - DIMENSIONS NOT SHOWN ON STRUCTURAL DRAWINGS.
15. SEE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR THE FOLLOWING:
    - PIPE RUNS, SLEEVES, HANGERS, TRENCHES, WALL AND SLAB OPENINGS, ETC EXCEPT AS SHOWN OR NOTED.
    - ELECTRICAL CONDUIT RUNS, BOXES, OUTLETS IN WALL OR SLABS.
    - CONCRETE INSERTS FOR ELECTRICAL, MECHANICAL OR PLUMBING FIXTURES.
    - SIZE AND LOCATION OF MACHINE OR EQUIPMENT BASES AND ANCHOR BOLTS FOR MOTOR MOUNTS.

SAFETY NOTES:

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH THE PERTINENT SECTIONS OF THE "CONSTRUCTION SAFETY ORDERS" ISSUED BY THE STATE OF CALIFORNIA LATEST EDITION, AND ALL OSHA REQUIREMENTS AS THEY APPLY TO THIS PROJECT.
2. THE STRUCTURAL ENGINEER DOES NOT ACCEPT ANY RESPONSIBILITY FOR THE CONTRACTOR'S FAILURE TO COMPLY WITH THESE REQUIREMENTS.
3. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING FOR VERTICAL AND / OR LATERAL LOADS, SHORING AND LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER WILL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.

FIRE & LIFE SAFETY:

FIRE RATED ASSEMBLIES, INCLUDING FIREPROOFING, DAMAGED DURING CONSTRUCTION MUST BE RESTORED TO THEIR ORIGINAL CONDITION.

FIRE-RESISTIVE ASSEMBLIES, FIRE-RESISTIVE CONSTRUCTION, AND THE MEANS OF EGRESS MUST BE MAINTAINED IN ACCORDANCE WITH CHAPTERS 7 & 33 OF THE CALIFORNIA FIRE CODE. WHEN IT IS NOT POSSIBLE TO MAINTAIN FIRE-RESISTIVE ASSEMBLIES, FIRE-RESISTIVE CONSTRUCTION AND / OR THE MEANS OF EGRESS, TEMPORARY CONSTRUCTION BARRIERS AND / OR A FIRE WATCH MUST BE PROVIDED.

STRUCTURAL SHEET INDEX:

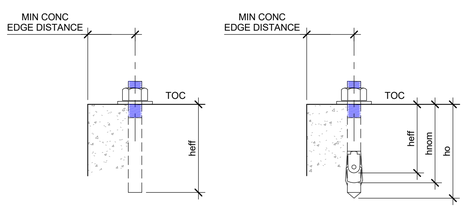
S0.0	GENERAL NOTES & ABBREVIATIONS
S0.1	GENERAL NOTES
S0.2	GENERAL NOTES
S0.3	TYPICAL DETAILS - CONCRETE
S0.4	TYPICAL DETAILS - CONCRETE & METAL ROOF DECK
S0.5	TYPICAL DETAILS - STEEL
S0.6	TYPICAL DETAILS - STEEL
S0.7	TYPICAL DETAILS - SFRS STEEL
S0.8	TYPICAL DETAILS - MASONRY
S0.9	TYPICAL DETAILS - WOOD
S0.10	TYPICAL DETAILS - WOOD
S0.11	TYPICAL DETAILS - WOOD
S0.12	TYPICAL DETAILS - WOOD
S0.13	TYPICAL DETAILS - WOOD I-JOISTS
S1.0	FOUNDATION PLAN
S1.1	FOUNDATION PLANS AT EXTERI

HEADED ANCHOR STUDS:

1. MATERIAL: AUTOMATIC END WELDED STUDS SHALL BE NELSON GRANULAR FLUX-FILLED SHEAR CONNECTORS OR ANCHOR STUDS PER ICC-ES ESR-2856 (OR APPROVED EQUAL). STUDS SHALL BE MANUFACTURED OF C-1015 COLD-ROLLED STEEL WHICH CONFORMS TO ASTM SPECIFICATIONS A-108, GRADE 1010 THRU 1020.
2. INSTALLATION: THE STUDS SHALL BE AUTOMATICALLY WELDED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS IN SUCH A MANNER AS TO PROVIDE COMPLETE FUSION BETWEEN THE WELDED END OF THE STUD AND THE PLATE. THERE SHOULD BE NO POROSITY OR EVIDENCE OF LACK OF FUSION BETWEEN THE WELDED END OF THE STUD AND THE PLATE. THE STUD SHALL DECREASE IN LENGTH DURING WELDING APPROXIMATELY 1/8" FOR 5/8" DIAMETER STUDS OR UNDER, AND 3/16" FOR STUDS OVER 5/8" DIAMETER. WELDING SHALL BE DONE ONLY BY QUALIFIED WELDERS APPROVED BY THE WELDING INSPECTOR.
3. INSPECTION AND TESTS: INSPECTION OF ALL SHOP AND FIELD WELDING OPERATIONS FOR AUTOMATIC END WELDED STUDS SHALL BE MADE BY A QUALIFIED WELDING INSPECTOR. THE TYPE AND CAPACITY OF THE WELDING EQUIPMENT SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND SHALL BE CHECKED AND APPROVED BY A WELDING INSPECTOR. AT THE BEGINNING OF EACH DAY'S WORK, A MINIMUM OF TWO TEST STUD WELDS SHALL BE MADE WITH THE EQUIPMENT TO BE USED TO METAL WHICH IS THE SAME AS THE ACTUAL WORK PIECE. THE TEST STUDS SHALL BE SUBJECTED TO A 30 DEGREE BEND TEST BY STRIKING WITH A HEAVY HAMMER. AFTER THE ABOVE TEST, THE WELD SECTION SHALL NOT EXHIBIT ANY TEARING OUT OR CRACKING.

MASONRY:

1. CONCRETE MASONRY UNITS SHALL BE LIGHTWEIGHT UNITS CONFORMING TO ASTM C90 WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2000 PSI ON AVERAGE NET AREA (f ' m = 2000 PSI).
2. MORTAR SHALL BE TYPE S CONFORMING TO ASTM C270 AND CBC SECTION 2103.2.
3. GROUT SHALL BE COARSE GROUT CONFORMING TO ASTM C476 AND CBC SECTION 2103.3 WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH TO MEET OR EXCEED THE SPECIFIED f ' m.
4. REINFORCING STEEL SHALL BE DETAILED, FABRICATED AND INSTALLED IN ACCORDANCE WITH TMS 602. SEE REINFORCING STEEL NOTES FOR ADDITIONAL REQUIREMENTS.
5. LAP ALL BARS 48 BAR DIAMETERS MINIMUM FOR #5 REINFORCEMENT BAR AND SMALLER, 72 BAR DIAMETERS FOR #6 REINFORCING BARS AND LARGER, UNO.
6. BEFORE MASONRY IS PLACED ON CONCRETE, THOROUGHLY CLEAN CONCRETE OF ALL LAITANCE AND ALL LOOSE MATERIAL. CONCRETE SHALL BE ROUGHENED BY CHIPPING THE ENTIRE SURFACE, SANDBLASTING, OR HOSING THE SURFACE 4 TO 6 HOURS AFTER THE POUR WITH A FINE SPRAY.
7. CONCRETE MASONRY UNITS SHALL BE BUILT TO PRESERVE THE UNOBSTRUCTED CONTINUITY OF THE VERTICAL CELLS. WALLS AND CROSS WEBS FORMING SUCH CELLS SHALL BE FULLY BEDDED IN MORTAR. ALL HEAD OR END JOINTS SHALL BE SOLIDLY FILLED WITH MORTAR FOR A DISTANCE IN FROM THE FACE OF THE WALL OR UNITS NOT LESS THAN THE THICKNESS OF THE LONGITUDINAL FACE SHELLS.
8. VERTICAL CELLS SHALL HAVE VERTICAL ALIGNMENT SUFFICIENT TO MAINTAIN A CLEAR UNOBSTRUCTED CONTINUOUS VERTICAL CELL MEASURING NOT LESS THAN 3" X 3".
9. CLEAN OUT OPENINGS SHALL BE PROVIDED AT THE BOTTOMS OF ALL CELLS TO BE FILLED AT EACH LIFT OR POUR OF GROUT WHERE SUCH LIFT OR POUR OF GROUT IS IN EXCESS OF 4' - 0" IN HEIGHT. ANY OVERHANGING MORTAR OR OTHER OBSTRUCTION OR DEBRIS SHALL BE REMOVED FROM INSIDE OF SUCH CELLS. THE CLEANOUTS SHALL BE SEALED AFTER INSPECTION AND BEFORE GROUTING. HIGH-LIFT GROUTING (IN EXCESS OF 4' - 0" IN HEIGHT) MUST BE APPROVED BY THE BUILDING OFFICIAL.
10. VERTICAL REINFORCING SHALL BE HELD IN POSITION AT TOP AND BOTTOM AND AT INTERVALS NOT EXCEEDING 192 BAR DIAMETERS.
11. WHEN GROUTING IS STOPPED FOR ONE HOUR OR LONGER, HORIZONTAL CONSTRUCTION JOINTS SHALL BE FORMED STOPPING THE POUR 1 1/2" BELOW THE TOP OF THE UPPERMOST UNIT.
12. PLACE ALL HORIZONTAL BARS IN BOND BEAM UNITS. WHEN 2 BARS ARE USED, STAGGER LAPS 6' - 0" MINIMUM.
13. PROVIDE DOWEL TO FOUNDATION OF EQUAL DIAMETER WITH LAP SPLICE AT EACH VERTICAL BAR IN WALLS. DOWELS TO BE STRAIGHT AND PLUMB.
14. ALL CELLS SHALL BE GROUTED SOLID.
15. ALL CONCRETE MASONRY UNITS SHALL BE OPEN END BOND BEAM UNITS.
16. SPECIAL INSPECTION REQUIRED ON ALL MASONRY WALLS.
17. ALL ANCHOR BOLTS SHALL BE HEX HEADED BOLTS CONFORMING TO ASTM A307 OR F1554 OR PLAIN ROD CONFORMING TO ASTM A36 WITH THREADED ENDS AND DOUBLE HEX NUTS AT ANCHORED END. BENT BAR ANCHOR BOLTS SHALL NOT BE USED. WHERE EMBEDMENT LENGTH IS NOT PROVIDED, THE MINIMUM EFFECTIVE EMBEDMENT LENGTH SHALL BE 6 BOLT DIAMETERS, BUT NO LESS THAN 3".
18. CONCRETE MASONRY UNITS SHALL BE PLACED WITH RUNNING BOND.
19. REINFORCING, DOWELS, BOLTS, ANCHORS, SLEEVES, ETC TO BE EMBEDDED IN MASONRY SHALL BE SECURELY POSITIONED AND FREE OF EXCESSIVE SCALE, RUST, DIRT, GREASE, OIL OR ANY OTHER SUBSTANCES THAT WILL IMPAIR BOND WITH MASONRY. OBTAIN APPROVAL OF ALL AFFECTED TRADES PRIOR TO GROUTING MASONRY.
20. PIPE OR CONDUIT SHALL NOT BE EMBEDDED IN ANY MASONRY UNLESS SPECIFICALLY DETAILED.



HILTI HIT-RE 500 V3
ADHESIVE ANCHORS

HILTI KB-TZ2
EXPANSION ANCHORS

HILTI KB-TZ2 EXPANSION ANCHORS (ICC-ES ESR-4266)

DRAWING I.D.	ANCHOR DIA (INCH)	INSTALLATION EMBED (INCH) hnom	EFFECTIVE EMBED (INCH) heff	HOLE DEPTH (INCH) ho	MIN CONC THICKNESS (INCH) h	MIN CONC EDGE DISTANCE (INCH)	INSTALLATION TORQUE (FT-LBS) CARBON STEEL	INSTALLATION TORQUE (FT-LBS) STAINLESS STEEL
3/8" Ø X 2E	3/8	2 1/2	2	2 3/4	4	6	30	30
1/2" Ø X 2E	1/2	2 1/2	2	2 3/4	4	6	50	40
1/2" Ø X 3E	1/2	3 3/4	3 1/4	4 1/4	6	6	50	40
5/8" Ø X 4E	5/8	4 1/2	4	4 3/4	6	8	40	60
3/4" Ø X 4E	3/4	5 1/2	4 3/4	5 3/4	8	6	110	125

HILTI HIT-RE 500 V3 ADHESIVE ANCHORS (ICC-ES ESR-3814)

ANCHOR DIA (INCH)	EFFECTIVE EMBED (INCH) heff	MIN CONC THICKNESS (INCH) h	MIN CONC EDGE DISTANCE (INCH)
1/2	SEE PLAN	SEE PLAN	6
5/8	SEE PLAN	SEE PLAN	6
3/4	SEE PLAN	SEE PLAN	6

OPEN WEB STEEL JOIST / GIRDER DESIGN CRITERIA:

ROOF DESIGN LOADS:
DL = 26.5 PSF (INCLUDING SELF-WEIGHT & PV PANEL SYSTEM LOAD)
LL = 20 PSF (REDUCIBLE PER THE CODE)
SPECIALTY CEILING PER C / S2.3

SEE ROOF FRAMING PLAN AND OPEN WEB STEEL JOIST LOADING SCHEDULE FOR ADDITIONAL LOADS

SPECIAL CONDITIONS:
MECHANICAL EQUIPMENT (NOTE 7 & 8)
FIRE SPRINKLERS (NOTE 10)

1. ALL JOISTS, ACCESSORIES AND CONNECTIONS SHALL COMPLY WITH MANUFACTURER'S STANDARDS.
2. THE MANUFACTURER SHALL FURNISH TO THE ENGINEER OF RECORD (EOR), AT COMPLETION OF MANUFACTURE AND PRIOR TO ERECTION, A CERTIFICATE OF COMPLIANCE PER CBC SECTION 2207.5.
3. OWSJ PLACEMENT DRAWINGS SHALL BE SUBMITTED TO THE EOR FOR REVIEW AND APPROVAL PRIOR TO FABRICATION OF JOISTS. DESIGN CALCULATIONS STAMPED AND SIGNED BY A CIVL ENGINEER, LICENSED IN THE STATE OF CALIFORNIA, SHALL BE SUBMITTED TO THE EOR AND THE APPROVING AGENCY FOR REVIEW AND APPROVAL PRIOR TO FABRICATION OF JOISTS. SEE DEFERRED SUBMITTAL LIST.
4. JOISTS SHALL BE DESIGNED FOR ALL CONCENTRATED LOADS SHOWN ON DRAWINGS (INCLUDING MECHANICAL UNITS) IN ADDITION TO THE UNIFORM LOADINGS SHOWN ABOVE (SEE SCHEDULE).
5. MAXIMUM ALLOWABLE DEFLECTIONS SHALL BE LESS THAN L / 360 FOR LIVE LOAD AND L / 240 FOR TOTAL LOAD, WHERE "L" IS THE MEMBER SPAN LENGTH. OWSJ SHALL BE CAMBERED PER MANUFACTURER'S STANDARD CAMBER UNLESS NOTED OTHERWISE ON DRAWINGS.
6. PROVIDE 4" MINIMUM BEARING LENGTH AT JOISTS / GIRDERS, UNO. OVERALL JOIST LENGTHS TO BE COORDINATED WITH STRUCTURAL PLANS AND DETAILS.
7. SEE ROOF FRAMING PLANS AND MECHANICAL PLANS FOR LOCATIONS AND WEIGHTS OF MECHANICAL UNITS. COORDINATE ADDITIONAL EQUIPMENT LOADS AND DUCT LOADS WITH THE MECHANICAL CONTRACTOR PRIOR TO FABRICATION. PROVIDE WEB STIFFENERS / BLOCKING AS REQUIRED TO SUPPORT POINT LOADS. COORDINATE OWSJ WEB MEMBERS WITH MECHANICAL PLANS FOR DUCTS PASSING THROUGH JOISTS.
8. MECHANICAL, ELECTRICAL, AND PLUMBING UNITS AND ELEMENTS SHALL BE COORDINATED WITH MANUFACTURER'S JOIST DOCUMENT PRIOR TO FIELD INSTALLATION. FIELD MODIFICATION OF OWSJ IS PROHIBITED WITHOUT PRIOR REVIEW AND APPROVAL BY THE APPROVING AGENCY.
9. SEE OWSJ SCHEDULE FOR ADLOADS TO BE APPLIED TO JOIST.
10. DESIGN FOR FIRE SPRINKLER MAINS RUNNING PARALLEL AND / OR PERPENDICULAR TO JOISTS. COORDINATE LOADS AND LOCATIONS WITH FIRE PROTECTION CONTRACTOR.
11. JOIST MANUFACTURER SHALL PROVIDE BRIDGING PER THE STEEL JOIST INSTITUTE (SJI) REQUIREMENTS. BRIDGING SHOWN ON PLAN IS FOR REFERENCE ONLY.
12. JOISTS SHALL BE DESIGNED FOR AXIAL LOADS DUE TO OUT-OF-PLANE WALL LOADS AS INDICATED IN THE OWSJ SCHEDULE.
13. FOR ROOF JOIST PROFILE AND LOADING DIAGRAMS, SEE DETAIL C / S2.3.
14. TESTING AND INSPECTION OF JOIST FABRICATION SHALL COMPLY WITH CBC SECTION 1705.2 .

POST-INSTALLED ANCHORS:

1. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE RECOMMENDATIONS GIVEN IN THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII) AND THE RESPECTIVE ICC OR IAPMO REPORT:
   A. CONCRETE ANCHORS:
      HILTI KWIK-BOLT TZ2 EXPANSION ANCHORS ..... ICC ESR-4266
      HILTI HIT-RE 500 V3 ADHESIVE ANCHORS ..... ICC ESR-3814
   B. MASONRY ANCHORS:
      HILTI KWIK-BOLT TZ2 MASONRY ANCHORS ..... ICC ESR-4561
      HILTI HIT-HY 270 ADHESIVE ANCHORS ..... ICC ESR-4143
2. SPECIAL INSPECTION IS REQUIRED FOR ALL MECHANICAL AND ADHESIVE ANCHORS PER CBC SECTION 1705.3 AND THE REPORTS NOTED ABOVE, UNLESS NOTED OTHERWISE.
3. SEE ANCHOR SCHEDULE(S) AND DETAILS FOR TEST LOAD OR TORQUE VALUES, IN ACCORDANCE WITH CBC SECTION 1901.3.4.4. TESTING OF UNDERCUT ANCHORS THAT ALLOW VISUAL CONFIRMATION OF FULL SET IS NOT REQUIRED.
4. TEST EACH ANCHOR OF DIFFERENT DIAMETER AND EMBEDMENT DEPTH FOR EACH TYPE AND STRENGTH OF CONCRETE PER CBC SECTION 1901.3.4.3 AS FOLLOWS:
   A. ANCHORS USED FOR SILL PLATE BOLTING SHALL HAVE 10 PERCENT OF THE ANCHORS TENSION TESTED.
   B. ANCHORS USED FOR OTHER STRUCTURAL APPLICATIONS SUCH AS EQUIPMENT ANCHORAGE SHALL HAVE 50 PERCENT OR ALTERNATE BOLTS IN A GROUP INCLUDING AT LEAST ONE-HALF THE ANCHORS IN EACH GROUP TENSION TESTED.
   C. ANCHORS USED FOR NON-STRUCTURAL APPLICATIONS SUCH AS EQUIPMENT ANCHORAGE SHALL HAVE 50 PERCENT OR ALTERNATE BOLTS IN A GROUP INCLUDING AT LEAST ONE-HALF THE ANCHORS IN EACH GROUP TENSION TESTED.
5. FAILURE / ACCEPTANCE CRITERIA. THE FOLLOWING CRITERIA APPLY FOR THE ACCEPTANCE OF INSTALLED ANCHORS PER CBC SECTION 1901.3.4.5:
   A. HYDRAULIC RAM METHOD: THE ANCHOR MUST MAINTAIN THE TEST LOAD FOR 15 SECONDS AND NOT EXHIBIT OBSERVABLE MOVEMENT AT THE APPLICABLE TEST LOAD. FOR WEDGE AND SLEEVE TYPE ANCHORS, A PRACTICAL WAY TO DETERMINE OBSERVABLE MOVEMENT IS THAT THE WASHER UNDER THE NUT BECOMES LOOSE. DROP-IN ANCHORS ARE ONLY TO BE TESTED WITH THIS METHOD. FOR ADHESIVE ANCHORS, WHERE OTHER THAN BOND IS BEING TESTED, THE TESTING DEVICE SHALL NOT RESTRICT THE CONCRETE SHEAR CONE TYPE FAILURE MECHANISM FROM OCCURRING.
   B. TORQUE WRENCH METHOD: THE APPLICABLE TEST TORQUE FOR WEDGE OR SLEEVE-TYPE ANCHORS MUST BE REACHED WITHIN THE FOLLOWING LIMITS; ONE-HALF (1/2) TURN OF THE NUT; ONE QUARTER (1/4) TURN OF THE NUT FOR THE 3/8" SLEEVE ANCHOR ONLY.
   C. PER CBC SECTION 1901.3.4.1 IF ANCHOR FAILS TESTING, ALL ANCHORS OF THE SAME CATEGORY, NOT PREVIOUSLY TESTED, SHALL BE TESTED UNTIL 20 CONSECUTIVE ANCHORS PASS THE TEST REQUIREMENTS THEN INITIAL TESTING FREQUENCY SHALL THEN BE RESUMED.
6. WHEN INSTALLING DRILLED-IN ANCHORS IN EXISTING NON - PRESTRESSED REINFORCED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING EXISTING REINFORCING BARS.
7. THE TESTING OF THE ANCHORS SHALL BE DONE BY THE TESTING LABORATORY IN THE PRESENCE OF THE SPECIAL INSPECTOR AND A REPORT OF THE TEST RESULTS SHALL BE SUBMITTED TO THE GOVERNING AGENCY AND ARCHITECT / STRUCTURAL ENGINEER. TESTING SHALL OCCUR AT MINIMUM OF 24 HOURS AFTER THE INSTALLATION OF THE ANCHORS.
8. APPLY TENSION TEST LOADS TO EXPANSION OR ADHESIVE ANCHORS WITHOUT REMOVING THE NUT IF POSSIBLE. IF NOT POSSIBLE, REPLACE THE NUT WITH A THREADED COUPLER OF THE SAME DIAMETER AND TORQUE TO THE SAME LEVEL AS THE ORIGINAL NUT AND APPLY TEST LOAD.
9. REACTION LOADS FROM TEST FIXTURES SHALL NOT BE APPLIED CLOSE TO THE ANCHOR BEING TESTED.
10. TEST EQUIPMENT IS TO BE CALIBRATED BY AN APPROVED TESTING LABORATORY IN ACCORDANCE WITH STANDARD RECOGNIZED PROCEDURES.
11. ADHESIVE ANCHORS INSTALLED IN HORIZONTAL TO VERTICALLY OVERHEAD ORIENTATION TO SUPPORT SUSTAINED TENSION LOADS SHALL BE INSTALLED BY CERTIFIED INSTALLERS (ACI 318-19 SECTION 26.7.2e). PROOF OF CURRENT CERTIFICATION SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO COMMENCEMENT OF INSTALLATION.
12. ADHESIVE ANCHORS SHALL BE INSTALLED IN CONCRETE HAVING A MINIMUM AGE OF 21 DAYS AT THE TIME OF ANCHOR INSTALLATION (ACI 318-19 17.1.2.2 AND 26.7.2f).

REINFORCING STEEL:

1. REINFORCING SHALL CONFORM TO ASTM A706 - GRADE 60 UNO.
2. NO REINFORCING BARS SHALL BE WELDED UNLESS SPECIFICALLY DETAILED IN CONTRACT DOCUMENTS. ALL BARS SO DETAILED TO BE WELDED SHALL BE ASTM A706 BARS.
3. ALL REBAR TO BE WELDED SHALL BE CONTINUOUSLY INSPECTED BY A QUALIFIED TESTING LABORATORY. CONTRACTOR MUST FURNISH TO THE LABORATORY MILL CERTIFICATES SHOWING CHEMICAL ANALYSIS. ALL PREHEATING AND WELDING SHALL BE DONE BY WELDERS CERTIFIED TO WELD REINFORCING BARS IN ACCORDANCE WITH AWS D1.4 - 17 STANDARDS.
4. E80xx ELECTRODE SHALL BE USED FOR ALL REBAR WELDING.
5. TACK WELDING TO REBAR IS STRICTLY PROHIBITED.
6. WIRE FABRIC SHALL CONFORM TO ASTM A1064. WELDED WIRE FABRIC SHALL BE LAP SPLICED TWO SQUARES MINIMUM EACH DIRECTION.
7. REINFORCING, DOWELS, BOLTS, ANCHORS, SLEEVES, ETC. TO BE EMBEDDED SHALL BE SECURELY POSITIONED BEFORE PLACING CONCRETE. OBTAIN APPROVAL OF ALL AFFECTED TRADES PRIOR TO PLACING CONCRETE.
8. DRILL THROUGH STEEL COLUMNS AND BEAMS TO PASS CONTINUOUS REINFORCING (1" DIAMETER MAXIMUM) UNO.
9. SEE CONCRETE AND / OR MASONRY NOTES AS APPLICABLE FOR ADDITIONAL REQUIREMENTS.
10. CONTRACTOR SHALL PREPARE AND SUBMIT SHOP DRAWINGS TO THE ARCHITECT / SEOR FOR REVIEW PRIOR TO FABRICATION.

REINFORCEMENT LAP SPLICE LENGTHS:

f ' c = 3000 PSI AT 28 DAYS

SPLICE CLASS	REINFORCEMENT LOCATION	REINFORCEMENT SIZE (GR60, UNO)								
		#3	#4	#5	#6	#7	#8	#9	#10	#11
B	TOP	28	37	46	56	81	93	104	118	131
	OTHER	21	28	36	43	62	71	80	91	101

f ' c = 4000 PSI AT 28 DAYS

SPLICE CLASS	REINFORCEMENT LOCATION	REINFORCEMENT SIZE (GR60, UNO)								
		#3	#4	#5	#6	#7	#8	#9	#10	#11
B	TOP	24	32	40	48	70	80	91	102	113
	OTHER	19	25	31	37	54	62	70	79	87

FOOTNOTES:
1. TABLE ABOVE IS BASED ON UNCOATED REINFORCING.
2. TOP REINFORCING IS HORIZONTAL REINFORCEMENT THAT HAS MORE THAN TWELVE INCHES OF FRESH CONCRETE CAST BELOW IT.
3. FOR BARS WITH COVER LESS THAN 1 BAR DIAMETER OR WITH CLEAR SPACING LESS THAN 2 BAR DIAMETERS, INCREASE LAP SPLICE BY 50%.
4. FOR LIGHTWEIGHT AGGREGATE CONCRETE, (WT = 110 PCF) INCREASE LAP SPLICE BY 33%.
5. ALL LAP SPLICES SHALL BE CLASS B, UNO.

STRUCTURAL STEEL:

1. FABRICATION, ERECTION AND MATERIALS SHALL CONFORM WITH:
   A. AISC 360-16 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS"
   B. AISC 341-16 "SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS"
   C. 2022 CBC
2. THE STRUCTURAL STEEL FABRICATOR SHALL FURNISH SHOP DRAWINGS TO THE ARCHITECT OF ALL STEEL FOR ARCHITECT AND ENGINEER'S REVIEW BEFORE FABRICATION.
3. STRUCTURAL STEEL SHAPES AND CONNECTORS SHALL CONFORM TO THE FOLLOWING (UNO):
   A. WIDE FLANGE ..... ASTM A992, GRADE 50 (Fy = 50 KSI)
   B. ROUND HSS ..... ASTM A500, GRADE C (Fy = 46 KSI), OR ASTM A1085
      SQUARE OR RECTANGULAR HSS ..... ASTM A500, GRADE C (Fy = 50 KSI), OR ASTM A1085
   C. PIPE ..... ASTM A53, TYPES E OR S, GRADE B (Fy = 35 KSI)
   D. PLATES, ANGLES, CHANNELS, BARS
      AND MISCELLANEOUS SHAPES ..... ASTM A36
   E. MOMENT FRAME CONTINUITY PLATES, STIFFENER PLATES, SHEAR PLATES AT BEAM / COLUMN CONNECTIONS AND BASE PLATES ..... ASTM A572, GRADE 50
   F. MACHINE BOLTS ..... ASTM A307
   G. HIGH STRENGTH BOLTS (HSB) ..... ASTM F3125, GRADE A325-N
   H. WELDED HEADED STUDS ..... ASTM A108, GRADE 1010 THRU 1020
   I. HARDENED STEEL WASHERS ..... ASTM F436
   J. ANCHOR BOLTS ..... ASTM F1554, GRADE 55 (HEADED OR LOCKNUT)
   K. ALL THREAD RODS ..... ASTM F1554, GRADE 55
   L. ANCHOR ROD, HEADED,
      THREADED & NUTTED ..... ASTM F1554 GRADE 36
4. SPLICING STRUCTURAL MEMBERS WHERE NOT DETAILED ON THE DRAWING IS PROHIBITED WITHOUT PRIOR APPROVAL OF THE STRUCTURAL ENGINEER. BEAM PENETRATIONS AND OPENINGS IN STRUCTURAL MEMBERS ARE NOT ALLOWED UNLESS SPECIFICALLY DETAILED ON THE DRAWINGS.
5. EXCEPT AS OTHERWISE NOTED, ALL BOLTS SHALL BE MACHINE BOLTS.
6. FOR ALL HIGH-STRENGTH BOLTS, HARDENED WASHERS SHALL BE PROVIDED UNDER THE TURNING ELEMENT OF BOLT FOR TORQUING AS REQUIRED.
7. HOLES FOR MACHINE BOLTS SHALL BE DRILLED AND OF THE SAME NOMINAL DIAMETER AS THE BOLT PLUS 1/16", UNO.
8. COLUMN BASE PLATE ANCHOR BOLT HOLES MAY BE OVERSIZED IN ACCORDANCE WITH AISC 360-16 SECTION J9 AND TABLE 14-2 OF THE 15TH EDITION OF THE STEEL CONSTRUCTION MANUAL, WITH HEAVY HEX NUTS OR PLATE WASHERS UNDER BASE PLATE.
9. USE STANDARD ABJC GAGE AND PITCH FOR BOLTS EXCEPT AS OTHERWISE NOTED.
10. "SLIP-CRITICAL" BOLTED CONNECTIONS:
    A. "SLIP-CRITICAL" CONNECTIONS (A325-SC DESIGN VALUES WITH SPECIAL INSPECTION) ARE REQUIRED AT ALL LATERAL FRAME LINES, SEISMIC FORCE RESISTING SYSTEM COMPONENTS, AND ALL BOLTS IN OVERSIZED OR SLOTTED HOLES.
    B. THE SPECIAL INSPECTOR MUST BE PRESENT DURING THE ENTIRE INSTALLATION AND TIGHTENING OPERATION OF "SLIP-CRITICAL" CONNECTIONS.
11. ALL WELDING IS TO BE DONE BY CERTIFIED WELDERS USING E70XX ELECTRODES, UNO. THE USE OF E70-T4 WELDING WIRE IS NOT ALLOWED FOR ANY APPLICATION. ALL WELDS SHALL BE IN CONFORMITY WITH THE PROJECT SPECIFICATIONS AND STRUCTURAL WELDING CODE - STEEL OF THE AMERICAN WELDING SOCIETY (AWS D1.1 LATEST REVISION). SEE INSPECTION NOTES FOR WELDING INSPECTION REQUIREMENT. SUBMIT ALL WELDING PROCEDURES AND SPECIFICATIONS TO OWNER'S TESTING LABORATORY FOR REVIEW AND APPROVAL PRIOR TO BEGINNING FABRICATION.
12. ALL WELDS USED IN MEMBERS AND CONNECTIONS IN THE SFRS SHALL BE MADE WITH A FILLER METAL THAT CAN PRODUCE WELDS THAT HAVE A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20 FT-LB AT 0 DEGREES F, AS DETERMINED BY THE APPROPRIATE AWS A5 CLASSIFICATION TEST METHOD OR MANUFACTURER CERTIFICATION (AWS D1.8 / D1.8M LATEST REVISION). WHERE WELDS ARE DESIGNATED AS DEMAND CRITICAL AS DEFINED IN AISC 341-16 SECTION A3.4B AND AWS D1.8 / D1.8M, THEY SHALL BE MADE WITH A FILLER METAL CAPABLE OF PROVIDING A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20 FT-LB AT -20 DEGREES F AND 40 FT-LB AT 70 DEGREES F.
13. WELD LENGTHS CALLED FOR ON PLANS ARE THE NET EFFECTIVE LENGTH REQUIRED. WHERE WELD LENGTH NOT CALLED FOR ON PLANS, PROVIDE WELD THE FULL LENGTH OF JOINT. WHERE FILLET WELD SYMBOL IS GIVEN WITHOUT INDICATION OF SIZE, USE MINIMUM SIZE WELDS AS SPECIFIED IN AISC 360-16, SECTION J2.2b.
14. ALL STRUCTURAL STEEL SURFACES THAT ARE ENCASED IN CONCRETE OR SPRAY-ON FIRE-PROOFING, SHALL BE LEFT UNPAINTED. DO NOT PAINT THE TOP OF BEAMS AND GIRDERS TO RECEIVE STEEL DECK OR OTHER WELDED ATTACHMENTS.
15. ALL EXPOSED STRUCTURAL STEEL AND MISCELLANEOUS METAL SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION.
16. ALL ENDS OF EXTERIOR TUBE STEEL AND PIPE SHALL BE CAPPED WITH A 1/4" PLATE AND WELDED CONTINUOUSLY TO SEAL.
17. PROVIDE 3" MINIMUM CONCRETE COVERAGE ON ALL STEEL BELOW GRADE.
18. ALL STRUCTURAL STEEL SHALL BE ERECTED PLUMB AND TRUE TO LINE. TEMPORARY BRACING SHALL BE INSTALLED AND SHALL BE LEFT IN PLACE UNTIL OTHER MEANS ARE PROVIDED TO ADEQUATELY BRACE THE STRUCTURE.
19. COMPOSITE STEEL DECKING AND ALL BEAMS AND GIRDERS SHALL REMAIN UNSHORED DURING AND AFTER THE PLACING OF THE CONCRETE FILL, UNO.
20. NON-SHRINK GROUT: A PRE-MIXED NON-METALLIC FORMULA WITH NO CHLORIDES HAVING THE FOLLOWING CHARACTERISTICS:
    A. FLOWABLE MIX AT TIME OF PLACEMENT
    B. NO SHRINKAGE AFTER PLACEMENT
    C. COMPRESSIBLE STRENGTH OF 5000 PSI (MINIMUM) AT 7 DAYS
    D. CONFORMS TO ASTM C1107 (GRADE C)
21. SEE ARCHITECTURAL DRAWINGS FOR NAILER HOLES, WELDED STUDS OR OTHER ITEMS NOT SHOWN IN THE DRAWINGS. WHERE STEEL IS EMBEDDED IN CONCRETE, PROVIDE DRILLED HOLES (1" DIAMETER MAXIMUM) AS REQUIRED FOR PASSAGE OF CONTINUOUS REINFORCING BARS.
22. CONTRACTOR SHALL PREPARE AND SUBMIT SHOP DRAWINGS TO THE ARCHITECT / SEOR FOR REVIEW PRIOR TO FABRICATION.

CONCRETE:

1. CONCRETE CONSTRUCTION SHALL CONFORM TO THE CODE PER GENERAL NOTES.
2. CONCRETE SHALL BE PLACED IN ACCORDANCE WITH ASTM C94 AND ACI STANDARD 304. IN ADDITION, MAXIMUM FREE FALL OF CONCRETE SHALL BE 4' - 0".
3. ALL CONCRETE SHALL BE THOROUGHLY CONSOLIDATED BY SUITABLE MEANS DURING PLACEMENT AND SHALL BE THOROUGHLY WORKED AROUND REINFORCEMENT AND EMBEDDED FIXTURES AND INTO CORNERS OF FORMS.
4. THE MINIMUM 28 DAY STRENGTH SHALL BE MIX DESIGN SCHEDULE.
5. CEMENT SHALL CONFORM TO ASTM C150, TYPE I OR II.
6. CONCRETE AGGREGATES:
   A. NATURAL SAND AND ROCK AGGREGATES SHALL CONFORM TO ASTM C33.
   B. LIGHTWEIGHT AGGREGATES SHALL CONFORM TO ASTM C330.
7. MINERAL ADMIXTURES SHALL COMPLY WITH ASTM C618 CLASS F.
8. LIQUID ADMIXTURES SHALL COMPLY WITH THE FOLLOWING:
   A. WATER REDUCERS..... ASTM C494 TYPE A
   B. MID-RANGE WATER REDUCERS..... ASTM C494 A & F
   C. NON-CHLORIDE ACCELERATORS..... ASTM C494 TYPE C OR C & E
   D. RETARDING ADMIXTURES..... ASTM C494 TYPE B OR B & D
9. GENERAL:
   A. NO PIPES OR DUCT SHALL BE PLACED IN CONCRETE SLABS OR WALLS UNLESS SPECIFICALLY DETAILED.
   B. REFER TO ARCHITECTURAL, STRUCTURAL AND MECHANICAL DRAWINGS FOR ALL MOULDS, GROOVES, ORNAMENTS, CLIPS, ETC. TO BE CAST IN CONCRETE.
10. ALL CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ACI 318 SECTION 26.5.6 AND THE TYPICAL CONSTRUCTION JOINT DETAILS SHOWN ON THE STRUCTURAL DRAWINGS. ALL SURFACES OF CONSTRUCTION JOINTS SHALL BE CLEANED TO REMOVE DUST, CHIPS, OR OTHER FOREIGN MATTER PRIOR TO PLACING THE ADJACENT CONCRETE. THE CONTRACTOR SHALL SUBMIT THE PROPOSED LOCATIONS OF CONSTRUCTION JOINTS TO THE ENGINEER FOR REVIEW BY THE STRUCTURAL ENGINEER BEFORE STARTING CONSTRUCTION.
11. MAXIMUM SPACING OF CONSTRUCTION OR CONTROL JOINTS FOR A REINFORCED SLAB ON GRADE OR ELEVATED SLAB OVER METAL DECK SHALL BE 20' - 0" OC.
12. REMOVE ALL DEBRIS AND EXCESS WATER FROM THE FORMS BEFORE PLACING ANY CONCRETE.
13. REINFORCING, DOWELS, BOLTS, ANCHORS, SLEEVES, ETC. TO BE EMBEDDED IN CONCRETE SHALL BE SECURELY POSITIONED AND FREE OF EXCESSIVE SCALE, RUST, DIRT, GREASE, OIL OR ANY OTHER SUBSTANCES THAT WILL IMPAIR BOND WITH CONCRETE. OBTAIN APPROVAL OF ALL AFFECTED TRADES PRIOR TO PLACING CONCRETE.
14. WALLS SHALL BE PLACED IN HORIZONTAL LAYERS OF 2' - 0" MAXIMUM DEPTH.
15. CONCRETE IN WALLS, PIERS OR COLUMNS SHALL SET AT LEAST 2 HOURS BEFORE PLACING CONCRETE IN BEAMS, SPANDRELS OR SLABS SUPPORTED THEREON.
16. NO WOOD SPREADERS ALLOWED. NO WOOD STAKES ALLOWED IN AREAS TO BE CONCRETED.
17. CONTRACTOR SHALL PREPARE AND SUBMIT CONCRETE MIX DESIGNS TO THE ARCHITECT / ENGINEER OF RECORD FOR REVIEW PRIOR TO PLACEMENT OF ANY CONCRETE. CONCRETE MIX DESIGNS SHALL BE PER ACI 318 CHAPTER 26 AND ACI 301 SECTION 5. CALCIUM CHLORIDE OR ADMIXTURES WHICH ADD CHLORIDES ARE NOT PERMITTED.
18. NOTIFY THE ENGINEER OF RECORD (AND BUILDING OFFICIAL WHEN REQUIRED) 2 BUSINESS DAYS

COLD-FORMED STEEL FRAMING:

1. ALL COLD-FORMED STEEL MEMBER NOMENCLATURE AND PROPERTIES SHALL BE PER ICC-ES EVALUATION REPORT ESR-3064P AND PRODUCT TECHNICAL INFORMATION CATALOGS OF THE STEEL STUD MANUFACTURER'S ASSOCIATION.
2. ALL MATERIAL AND WORKMANSHIP SHALL CONFORM WITH THE LATEST EDITION OF THE AISC "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS".
3. STEEL STUDS, TRACK AND ALL MANUFACTURED MISCELLANEOUS ITEMS FOR STUD CONSTRUCTION SHALL BE MANUFACTURED BY A MEMBER COMPANY OF THE STEEL STUD MANUFACTURER'S ASSOCIATION. STUDS OF OTHER MAKE MAY BE SUBSTITUTED WITH WRITTEN APPROVAL BY STRUCTURAL ENGINEER.
4. ALL COLD-FORMED STUDS, TRACK, BRIDGING AND ACCESSORIES SHALL BE G60 HOT-DIP GALVANIZED AND SHALL MEET THE REQUIREMENTS OF ASTM A653, STRUCTURAL QUALITY, GRADE 50, CLASS 1 (Fy = 50 KSI) FOR STEELS THICKER THAN 18 GAUGE (43 MILS) AND ASTM A653, STRUCTURAL QUALITY, GRADE 33 (Fy = 33 KSI) FOR 18 GAUGE (43 MILS) AND THINNER STEELS FOR THE ITEM AND USE INTENDED.
5. ALL MEMBERS SHALL BE CUT SQUARELY OR AS REQUIRED, FITTED AND SEATED PROPERLY TO ABUTTING MEMBERS. STUDS SHALL BE PLUMBED, ALIGNED AND SECURELY ATTACHED AT FLANGES OR WEBS OR TRACKS.
6. PROVIDE ALL ACCESSORIES INCLUDING, BUT NOT NECESSARILY LIMITED TO, TRACKS, CLIPS, WEB STIFFENERS, ANCHORS, FASTENING DEVICES, RESILIENT CLIPS, AND OTHER ACCESSORIES REQUIRED FOR A COMPLETE AND PROPER INSTALLATION, AND AS RECOMMENDED BY THE MANUFACTURER FOR THE STEEL MEMBERS USED.
7. FASTENING OF COMPONENTS SHALL BE WITH GRABBER SCREWS OR EQUIVALENT SELF-DRILLING, SELF-TAPPING SCREWS OR WELDING. SCREWS OR WELD SIZES SHALL BE SHOWN ON THE DRAWINGS. SEE SHEET METAL SCREW REQUIREMENTS FOR ADDITIONAL INFORMATION.
8. ALL WELDING SHALL BE DONE BY CERTIFIED WELDERS AND IN ACCORDANCE WITH THE LATEST EDITION OF AWS D1.3.
9. TEMPORARY BRACING SHALL BE PROVIDED AS REQUIRED UNTIL ERECTION IS COMPLETE AND SAFELY SECURED TO STRUCTURE.
10. SEE ICC-ES EVALUATION REPORT ESR-3064P FOR TYPICAL COLD-FORMED STEEL STUD INSTALLATION.
11. PUNCH-OUT WEB SECTIONS SHALL BE LOCATED IN THE CENTER OF WEB WITH A MINIMUM SPACING OF 24" OC AND THE NEAR EDGE OF THE PUNCH-OUT SHALL NOT BE WITHIN 10" OF THE END OR EDGE OF BEARING OF A COLD-FORMED STEEL MEMBER. COLD-FORMED STEEL MEMBERS SHALL BE UNPUNCHED WHERE USED FOR JOISTS, TRACKS, HEADERS & SILLS OF OPENINGS WIDER THAN 3' - 0", AND BUILT-UP BOX AND BACK - TO - BACK SECTIONS, UNO.
12. MATERIAL THICKNESS OF TRACK SHALL MATCH STUD EXCEPT AS NOTED ON THE PLANS OR DETAILS. ALL BOLTED SILL TRACKS SHALL BE 54 MILS (0.0566") THICK, MINIMUM.
13. SSMA DESIGNATION / PRODUCT IDENTIFICATION:

600 S 162 - 54

- 600 — MATERIAL THICKNESS IN MILS (1 MIL = 1/1000 INCH)
- 162 — FLANGE WIDTH IN 1/100 INCH INCREMENTS (1 5/8" = 1.625 ~~ 162 X 1/100 INCHES)
- S — STYLE: S = STUD SECTIONS, T = TRACK SECTIONS, U = CHANNEL SECTIONS, F = FURRING CHANNEL SECTIONS
- 54 — MEMBER DEPTH IN 1/100 INCH INCREMENTS (6" = 600 X 1/100 INCHES)

FOR ALL "T" SECTIONS, MEMBER DEPTH IS THE INSIDE TO INSIDE DIMENSION BETWEEN THE FLANGES.

A. MATERIAL THICKNESS (IN MILS) REPRESENTS 95% OF THE DESIGN THICKNESS AND IS THE MINIMUM ACCEPTABLE THICKNESS OF THE BASE METAL DELIVERED TO THE JOBSITE.
B. THE MINIMUM RETURN LIP DIMENSION IS 0.375".
C. MINIMUM FLANGE WIDTH SHALL BE 1 5/8" AT STUDS & 1 1/2" AT TRACKS, UNO

STRUCTURAL SECTION PROPERTIES

SSMA DESIGNATIONS	GAUGE	Fy (KSI)	GROSS A (in²)	EFFECTIVE Sx (in³)	EFFECTIVE Ix (in⁴)	INTENDED USE	REQUIRED MIN SIZE TRACK
600S162-54	16	50	0.556	0.927	2.860	HEADERS / COLS	
600T200-54	16	50	0.565	0.717	2.641	TRACK	

I-JOIST DESIGN CRITERIA:

ROOF DESIGN LOADS:
DL = 21 PSF PLUS SELF-WEIGHT (INCLUDES PV PANEL SYSTEM LOAD)

SEE ROOF FRAMING PLAN AND DESIGN CRITERIA ON SHEET S2.0 FOR ADDITIONAL LOADS

SPECIAL CONDITIONS:
MECHANICAL EQUIPMENT (NOTE 8)
FIRE SPRINKLERS (NOTE 10)

1. I-JOISTS SHALL BE MANUFACTURED BY RedBUILT LLC PER ICC-ES EVALUATION REPORT ESR-2994.
2. ALL JOISTS, ACCESSORIES AND CONNECTIONS SHALL COMPLY WITH MANUFACTURER'S STANDARDS.
3. THE MANUFACTURER SHALL FURNISH TO THE ENGINEER OF RECORD, PRIOR TO ERECTION, A CERTIFICATE OF COMPLIANCE STATING THE JOISTS HAVE BEEN MANUFACTURED IN ACCORDANCE WITH THE SPECIFICATIONS.
4. SHOP DRAWINGS AND DESIGN CALCULATIONS STAMPED AND SIGNED BY A CIVIL ENGINEER, LICENSED IN THE STATE OF CALIFORNIA, SHALL BE SUBMITTED TO THE ENGINEER OF RECORD AND TO THE APPROVED AGENCY FOR REVIEW PRIOR TO FABRICATION OF JOISTS. SEE DEFERRED SUBMITTAL LIST.
5. JOISTS SHALL BE DESIGNED FOR ALL CONCENTRATED LOADS SHOWN ON DRAWINGS (INCLUDING MECHANICAL UNITS) IN ADDITION TO THE UNIFORM LOADINGS SHOWN ABOVE.
6. MAXIMUM ALLOWABLE DEFLECTIONS SHALL BE LESS THAN L / 360 FOR FLOOR LIVE LOAD AND L / 240 FOR ROOF LIVE LOAD, WHERE "L" IS THE MEMBER SPAN LENGTH. LIVE LOAD DEFLECTIONS SHALL NOT EXCEED 1.0 INCH.
7. PROVIDE 3 1/2" MINIMUM BEARING LENGTH AT JOISTS. OVERALL JOIST LENGTHS TO BE COORDINATED WITH STRUCTURAL PLANS AND DETAILS.
8. SEE ROOF FRAMING PLANS AND MECHANICAL / ELECTRICAL PLANS FOR LOCATION AND WEIGHTS OF MECHANICAL UNITS. COORDINATE ADDITIONAL EQUIPMENT LOADS AND DUCT LOADS WITH THE MECHANICAL / ELECTRICAL CONTRACTOR PRIOR TO FABRICATION. PROVIDE WEB STIFFENERS / BLOCKING AS REQUIRED TO SUPPORT POINT LOADS.
9. DESIGN ALL JOISTS TO SUPPORT A 300# MINIMUM CONCENTRATED LOAD AT ANY POINT ALONG THE JOIST (NOT CONCURRENT WITH ROOF LIVE LOAD).
10. DESIGN FOR FIRE SPRINKLER MAINS RUNNING PARALLEL AND / OR PERPENDICULAR TO JOISTS. COORDINATE LOADS AND LOCATIONS WITH FIRE PROTECTION CONTRACTOR.
11. APPROVED EQUALS SHALL MEET OR EXCEED THE I-JOIST DESIGN VALUES GIVEN IN ICC-ES ESR-2994 FOR THE BASIS OF DESIGN. EVALUATION OF AN APPROVED EQUAL SHALL CONSIDER ALL CHANGES TO THE DESIGN SUCH AS BUT NOT LIMITED TO IMPACTS TO CONNECTIONS AND CHANGES IN CONNECTORS. CHANGES SHALL BE REVIEWED AND APPROVED BE A LICENSED CIVIL / STRUCTURAL ENGINEER. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS, CALCULATIONS, JOIST AND CONNECTION INFORMATION, AND CURRENT ICC REPORT TO THE ENGINEER OF RECORD AND THE APPROVING AGENCY FOR REVIEW AND APPROVAL.

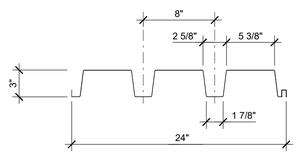
METAL DECK:

1. METAL DECK MANUFACTURER:
   VERCO MANUFACTURING, INC. (IAPMO ER 2018)

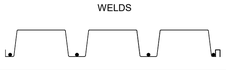
   TYPE AND GAUGE SHOWN ON PLANS WITH MINIMUM SECTION PROPERTIES AS LISTED IN THE TABLE BELOW. SEE METAL DECK WELDING SCHEDULE FOR DECK ATTACHMENT TO SUPPORTS AND SIDE-LAP ATTACHMENT.

2. METAL DECK AND ALL OF ITS CLOSURES, EDGE FORMS AND FLASHINGS SHALL CONFORM TO ASTM A653 SS, GRADE 40 (Fy = 40,000 PSI MINIMUM).
3. ALL METAL DECK AND COMPONENTS SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A924 FOR EACH APPLICATION AS FOLLOWS:
   INTERIOR: G60
   EXTERIOR: G90
4. METAL DECK SHALL RUN CONTINUOUS OVER A MINIMUM OF TWO SPANS EXCEPT WHERE FRAMING DOES NOT PERMIT AND SHALL BEAR 2" MINIMUM AT ALL SUPPORTS, UNO. SHORING MAY BE REQUIRED PER THE METAL DECK WELDING SCHEDULE. DECK SHOP DRAWINGS SHALL INDICATE WHERE SHORING WILL BE REQUIRED.
5. METAL DECK SHOP DRAWINGS SHALL BE SUBMITTED TO ENGINEER FOR REVIEW PRIOR TO FABRICATION AND SHALL INDICATE METHOD OF ATTACHMENT AND STUD LAYOUT.
6. ALL WELDING OF METAL DECK SHALL BE PERFORMED USING PRE-QUALIFIED WELDING PROCEDURES PER AWS D1.3 (LATEST EDITION). WELDS SHALL HAVE A MINIMUM 60 KSI FILLER METAL.
7. PROVIDE ALL FLASHING AND CLOSURE PLATES INCLUDING BUT NOT LIMITED TO END OF ALL UNITS, AROUND COLUMNS, DECK PENETRATIONS AND AT ALL PERIMETER LOCATIONS.
8. SHEAR STUDS SHALL BE WELDED THROUGH ONLY ONE LAYER OF DECK USING APPROVED WELDING METHODS. DECK SHALL BE PRE-PUNCHED WHERE MORE THAN ONE LAYER OF DECKING OCCURS AT A LOCATION.
9. ROOF DECKING SHALL NOT BE USED TO SUPPORT ANY HANGER LOAD GREATER THAN 25 LBS.

METAL DECK MINIMUM SECTION PROPERTIES

DECK TYPE	GA	Ig (IN⁴)	+S (IN³)	-S (IN³)	PROFILE
3NI™-24	18	1.268	0.674	0.731	

METAL DECK ATTACHMENT SCHEDULE

LOCATION	DECK TYPE & GA	ATTACHMENT PER SHEET AT ALL PERP SUPPORTS	ATTACHMENT AT ALL PARALLEL SUPPORTS	SIDE SEAM ATTACHMENT
BUILDING ROOFS, UNO	3NI™-24 18 GA	WELDS 	WELDS @ 12" OC	NUCOR BUTTON PUNCH @ 18" OC

NOTES:

1. SPLIT DECK WHERE PARALLEL SUPPORT OCCURS AT HIGH FLUTE.
2. BEND DECKING TO CONFORM TO ROOF SLOPE WHERE REQUIRED TO PLACE DECK ATTACHMENTS.
3. WELDS SHALL BE AS FOLLOWS: ARC SPOT (PUDDLE) OR ARC SEAM WELDS SHALL HAVE MINIMUM EFFECTIVE FUSION AREA TO SUPPORTING MEMBERS OF 1/2 INCH (12.7 mm) IN DIAMETER OR 3/8 INCH (9.5 mm) WIDE BY 1 INCH (25 mm) LONG, RESPECTIVELY. VISIBLE DIMENSIONS OF WELD SHALL BE SIZED PER ANSI / AWS D1.3 BASED ON DECK GA & NUMBER OF SHEETS. SEE TABLE THIS SHEET FOR VISIBLE DIMENSIONS OF ARC SPOT WELDS.

ARC SPOT WELD THROUGH TWO SHEETS (GALVANIZED)	
SHEET STEEL VISIBLE WELD SIZE FOR EFFECTIVE 1/2 INCH DIAMETER FUSION AREA TO SUPPORTING MEMBER	
GA / GA	VISIBLE WELD DIAMETER, INCHES
16 / 16	1
18 / 18, 18 / 20 OR 20 / 20	15/16

NAILING NOTES & SCHEDULE:

1. ALL NAILS FOR STRUCTURAL WORK SHALL BE COMMON STEEL WIRE NAILS COMPLYING WITH SECTION 2303.6.
2. COMMON STEEL WIRE NAIL DIMENSIONS:

NAIL	SHANK DIAMETER	HEAD DIAMETER	LENGTH
6d	0.113"	0.266"	2"
8d	0.131"	0.281"	2 1/2"
10d	0.148"	0.312"	3"
16d	0.162"	0.344"	3 1/2"
20d	0.192"	0.406"	4"

DIMENSIONAL TOLERANCES SHALL BE AS FOLLOWS:
- LENGTH: ± 1/16" FOR NAILS UP TO 2 1/2" LONG; ± 3/32" FOR LONGER NAILS
- HEAD DIAMETER: ± 10% OF THE NOMINAL DIAMETER
- SHANK DIAMETER: ± 0.004"

3. NAILS NOT COMPLYING WITH NOTE 2 SHALL BE RECOGNIZED BY AN ACCEPTED, VALID, INDEPENDENT THIRD-PARTY RESEARCH REPORT PROVIDING JUSTIFICATION OF THE LOAD-CARRYING CAPACITY OF THE NAILS FOR USE IN CONNECTIONS ADDRESSED IN THE NDS OR SDPWS. SUCH NAILS ARE DEEMED TO BE ALTERNATIVE NAILS TO THE NAILS PRESCRIBED IN THE CBC. THE CONTRACTOR SHALL SUBMIT EVIDENCE OR PROOF SUBSTANTIATING THE USE OF THE ALTERNATIVE NAILS PRIOR TO THEIR USE.
4. HOLES SHALL BE PRE-DRILLED WHERE NECESSARY TO PREVENT SPLITTING.
5. NAILING NOT NOTED IN SCHEDULE, ON DRAWINGS, OR CBC TABLE 2304.10.2 SHALL BE A MINIMUM OF TWO NAILS AT EACH CONTACT:
   8d FOR 1X MATERIAL AND 16d FOR 2X MATERIAL.
6. NAILS USED IN WET OR EXTERIOR LOCATIONS, INCLUDING EXTERIOR WALL COVERING ATTACHMENTS, SHALL COMPLY WITH SECTION 2304.10.2.1.
7. NAILS FOR PRESSURE-PRESERVATIVE TREATED AND FIRE RETARDANT TREATED LUMBER SHALL COMPLY WITH SECTION 2304.10.6.
8. POWDER-DRIVEN NAILS INSTALLED IN SIMPSON HARDWARE SHALL BE APPROVED BY SIMPSON AND THE BUILDING DEPARTMENT PRIOR TO INSTALLATION.
9. POWDER-DRIVEN NAILS TO BE INSTALLED INTO PLYWOOD SHEATHING SHALL BE SUBJECT TO SATISFACTORY JOBSITE INSTALLATION DEMONSTRATION AND CONTINUAL SATISFACTORY INSTALLATION PERFORMANCE. ALL NAIL HEADS TO BE FULL ROUND HEADS.

NAILING SCHEDULE (7)

CONNECTION	NAILING
1. JOIST OR RAFTERS TO SIDES OF STUDS 8- INCH JOIST OR LESS FOR EACH ADDITIONAL 4 INCHES IN DEPTH OF JOIST	 3- 16d 1- 16d
2. BRIDGING TO JOIST, TOE NAIL EACH END A. BLOCKING BETWEEN JOISTS OR RAFTERS-TO JOIST OR RAFTERS- TOE NAILS EACH SIDE, EACH END B. BLOCKING BETWEEN STUDS, EACH END	2- 8d 2- 10d (5) 2- 16d
3. SOLE PLATE TO JOIST OR BLOCKING, TYPICAL FACE NAIL SOLE PLATE TO JOIST OR BLOCKING, AT BRACED WALL PANELS	16d AT 16" OC 3- 16d PER 16"
4. TOP PLATE TO STUD, END NAIL	2X4: 2- 16d 2X6, 2X8: 3- 16d
5. STUD TO SOLE PLATE	4- 8d, TOENAIL OR 2-16, END NAIL
6. MULTIPLE STUDS, FACE NAIL STAGGERED	16d AT 24" OC
7. TOP PLATE TO TOP PLATE, TYPICAL FACE NAIL TOP PLATE TO TOP PLATE, LAP SPLICE	16d AT 16" OC 8- 16d
8. BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE, TOENAIL	3- 8d
9. RIM JOIST TO TOP PLATE, TOENAIL	8d AT 6" OC
10. TOP PLATES, LAPS & INTERSECTIONS, FACE NAIL	3- 16d
11. BUILT-UP HEADER, FACE NAIL (2" TO 2" HEADER)	16d AT 16" OC ALONG EACH EDGE
12. CEILING JOISTS TO TOP PLATE, TOENAIL	3- 8d
13. CEILING JOISTS, LAPS OVER PARTITIONS, FACE NAIL	3- 16d
14. CEILING JOISTS TO PARALLEL RAFTERS, FACE NAIL	3- 16d
15. JOISTS OR RAFTERS AT ALL BEARINGS, TOENAIL	3- 8d
16. BUILT-UP CORNER STUDS	16d AT 24" OC
17. BUILT-UP GIRDER & BEAMS, FACE NAIL (2" LUMBER LAYERS, 10" DEEP MAX)	20d AT 32" OC AT TOP & BOTTOM STAGGERED ON OPPOSITE SIDES & 2- 20d AT ENDS & AT EACH SPLICE
18. WOOD STRUCTURAL PANELS & PARTICLEBOARD (1) SUBFLOOR, ROOF & WALL SHEATHING (TO FRAMING): 1/2" OR LESS 19/32" - 3/4" 7/8" - 1 1/4" COMBINATION SUBFLOOR-UNDERLAYMENT (TO FRAMING): 3/4" OR LESS 7/8" - 1" 1 1/8" - 1 1/4"	 6d (2) 8d (4) OR 6d (3) 10d (4) OR 8d (3) 8d (4) 8d (4) 10d (4) OR 8d (3)

(1) NAILS SPACED AT 6" OC AT EDGES, 12" AT INTERMEDIATE SUPPORTS EXCEPT 6" AT ALL SUPPORTS WHERE SPANS ARE 48" OR MORE. FOR NAILING OF WOOD STRUCTURAL PANEL DIAPHRAGMS AND SHEARWALLS, REFER TO SECTION 2305 AND THE TYPICAL STRUCTURAL PLYWOOD NAILING DETAIL. NAILS FOR WALL SHEATHING SHALL BE COMMON.
(2) COMMON OR DEFORMED SHANK.
(3) DEFORMED SHANK.
(4) COMMON.
(5) WHEN POSSIBLE, 2- 16d NAILS DRIVEN PERPENDICULAR TO THE GRAIN SHALL BE USED INSTEAD OF TOENAILS.
(6) FOR WOOD MEMBER CONNECTIONS NOT IDENTIFIED IN THE DRAWINGS OR NAILING SCHEDULE, CONNECT PER CBC TABLE 2304.10.2.

WOOD:

1. ALL STRUCTURAL WOOD SHALL CONFORM WITH THE FOLLOWING SPECIFICATIONS:
   - DOUGLAS FIR-COAST REGION ..... WEST COAST LUMBER INSPECTION BUREAU GRADING RULES #17.
   - REDWOOD ..... STANDARD SPECIFICATIONS FOR GRADES OF CALIFORNIA REDWOOD LUMBER.
   - GLUED LAMINATED BEAMS ..... STANDARD SPECIFICATION FOR STRUCTURAL GLUED LAMINATED TIMBER, AITC 117.
   - PLYWOOD ..... APA VOLUNTARY PRODUCT STANDARD PS 1-19 & PS 2-18 FOR SOFTWOOD PLYWOOD.
   - ENGINEERED LUMBER ..... WEYERHAEUSER SPECIFICATIONS
   - LAMINATED VENEER LUMBER (LVL) ..... PER ICC EVALUATION SERVICE, INC.;
   - PARALLEL STRAND LUMBER (PSL) ..... EVALUATION REPORT ESR 1387 OR APPROVED
   - & LAMINATED STRAND LUMBER (LSL) ..... EQUAL
2. MINIMUM GRADES SHALL BE:
   - STRUCTURAL FRAMING (SF) ..... DF #1 TYPICAL EXCEPT: CEILING JOISTS DF #2 ALL MEMBERS TO BE FREE OF HEART CENTER. TYPICAL UNO.
   - GLUED LAMINATED MEMBERS (GL) ..... COMBINATION 24F-V4 SPECIES DF / DF FOR SIMPLE SPANS AND COMBINATION 24F-V8 SPECIES DF / DF FOR CANTILEVERS AND CONTINUOUS CONDITIONS.
   - STRUCTURAL PLYWOOD (SP) ..... WALL PLYWOOD: 15/32" APA RATED SHEATHING, 5 PLY, 32/16 SPAN RATING, STRUCTURAL 1, UNO. ROOF PLYWOOD: 15/32" APA RATED SHEATHING, 5 PLY, 32/16 SPAN RATING, STRUCTURAL 1, UNO.
   - PARALLEL STRAND LUMBER (PSL) ..... SHALL MEET THE FOLLOWING STRUCTURAL PROPERTIES: Fb = 2900 PSI, Fv = 290 PSI, E = 2.0E6 PSI
   - LAMINATED VENEER LUMBER (LVL) ..... SHALL MEET THE FOLLOWING STRUCTURAL PROPERTIES: Fb = 2600 PSI, Fv = 285 PSI, E = 1.9E6 PSI
   - LAMINATED STRAND LUMBER (LSL) ..... SHALL MEET THE FOLLOWING STRUCTURAL PROPERTIES: Fb = 2900 PSI, Fv = 400 PSI, E = 1.7E6 PSI
3. WALLS SHALL HAVE DOUBLE TOP PLATES, LAPPED AT WALL AND PARTITION INTERSECTION WITH 3- 16d NAILS. SPLICE UPPER AND LOWER PLATES AS SHOWN IN TYPICAL WALL FRAMING DETAIL.
4. PROVIDE 2X SOLID BLOCKING BETWEEN JOISTS OR RAFTERS AT ALL BEARING SUPPORTS, UNO. BLOCKING SHALL BE FULL DEPTH OF JOISTS / RAFTERS.
5. WHEN TOP PLATES ARE NOTCHED OR BORED, SEE TYPICAL DETAIL.
6. ALL BOLTS AND LAG SCREWS SHALL COMPLY WITH THE 2018 NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (ANSI / AWC NDS-2018).
7. HOLES FOR BOLTS IN WOOD SHALL BE BORED WITH A BIT OF THE SAME NOMINAL DIAMETER AS THE BOLT + 1/16".
8. HOLES FOR LAG SCREWS SHALL BE FIRST BORED TO THE SAME NOMINAL DIAMETER AND DEPTH AS THE SHANK. THE REMAINDER OF THE HOLE SHALL BE NO LARGER THAN THE ROOT OF THE THREAD.
9. LAG SCREWS AND WOOD SCREWS SHALL BE SCREWED AND NOT DRIVEN INTO PLACE.
10. ALL BOLTS AND LAG SCREWS SHALL BE PROVIDED WITH METAL WASHERS UNDER HEADS AND NUTS WHICH BEAR ON WOOD. APPLIES ALSO TO POST-INSTALLED ANCHORS. FOR PLATE WASHERS AT SILL BOLTS, SEE DETAILS.

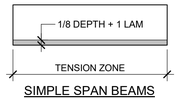
BOLT DIAMETER	MALLEABLE IRON WASHER	STEEL WASHER	CARRIAGE BOLT DIAMETER	WROUT IRON WASHER
1/2" Ø	2 1/2" Ø X 1/4"	2" X 2" X 1/4"	1/2" Ø	3/4" (2" OD)
5/8" Ø	2 3/4" Ø X 5/16"	2 1/2" X 2 1/2" X 1/4"	5/8" Ø	7/8" (2 1/4" OD)
3/4" Ø	3" Ø X 7/16"	3" X 3" X 5/16"	3/4" Ø	1" (2 1/2" OD)
7/8" Ø	3 1/2" Ø X 7/16"	3 1/2" X 3 1/2" X 3/8"	7/8" Ø	1 3/8" (3" OD)
1" Ø	4" Ø X 1/2"	3 3/4" X 3 3/4" X 3/8"	1" Ø	1 1/2" (3 1/4" OD)
1 1/4" Ø	5" Ø X 5/8"	5" X 5" X 1/2"		

11. ALL BOLTS AND LAG SCREWS SHALL BE TIGHTENED AT THE TIME OF INSTALLATION AND RE-TIGHTENED BEFORE CLOSING IN OR AT COMPLETION OF JOB.
12. INSTALL ALL STRUCTURAL PLYWOOD ON ROOF AND FLOORS WITH FACE GRAIN PERPENDICULAR TO SUPPORTS.
13. PROVIDE BLOCKING / BRIDGING BETWEEN JOISTS OR RAFTERS AT 8' - 0" ON CENTER MAXIMUM, UNO. SEE FRAMING PLANS AND TYPICAL DETAIL.
14. WHERE FRAMING HANGERS ARE REQUIRED AND ARE NOT SHOWN ON SECTIONS, DETAILS OR PLANS THE FOLLOWING SIMPSON HANGERS SHALL BE USED. SLOPE, SKEW, TURN IN FLANGES AND PROVIDE TOP FLANGE HANGERS AS REQUIRED.
   - 2X OR 3X MEMBERS ..... U HANGERS
   - 4X MEMBERS ..... HU HANGERS
   - 6X MEMBERS ..... HUTF HANGERS
   - I-JOIST MEMBERS ..... MIT HANGERS
   - GLUED LAM MEMBERS ..... LEG HANGERS
15. ALL METAL HARDWARE SHALL BE MANUFACTURED BY SIMPSON STRONG-TIE COMPANY, OR APPROVED EQUAL. ALL ITEMS SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS TO THE MAXIMUM CAPACITY. ALL METAL HARDWARE AND FASTENERS EXPOSED TO WEATHER TO IN CONTACT WITH PRESSURE-PRESERVATIVE TREATED WOOD SHALL BE COATED WITH ZMAX (G-185) OR HOT-DIPPED GALVANIZED.
16. WOOD SYMBOLS:

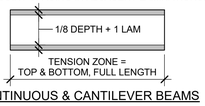

CONTINUOUS


BLOCKING

17. PROVIDE PLYWOOD EDGE NAILING AROUND ALL OPENINGS AND BLOCK ALL UNSUPPORTED PLYWOOD EDGES.
18. UPSET THREADS ON SILL BOLTS ARE NOT ALLOWED.
19. ALL FRAMING LUMBER SHALL HAVE A MAXIMUM MOISTURE CONTENT OF 19% AT THE TIME OF INSTALLATION AND SHALL BE AT 19% MAXIMUM MOISTURE CONTENT (VERIFIED BY CONTRACTOR) BEFORE BEING ENCLOSED BY INSULATION, GYPSUM BOARD, OR OTHER SURROUNDING ARCHITECTURAL MATERIALS. THE CONTRACTOR SHALL TAKE ALL MEASURES NECESSARY TO PROVIDE LUMBER MEETING THESE CRITERIA.
20. BOLTS ARE NOT TO BE INSTALLED IN LUMBER OVER 19% MOISTURE CONTENT.
21. EDGE NAILING OF STRUCTURAL WALL SHEATHING TO THE SILL PLATE SHALL NOT OCCUR UNTIL ROOF FRAMING AND SHEATHING IS COMPLETE.
22. ALL FASTENERS AND CONNECTORS INSTALLED IN PRESERVATIVE TREATED WOOD, FIRE RETARDANT TREATED WOOD OR EXPOSED WEATHER SHALL BE HOT-DIPPED GALVANIZED.
23. ALL WOOD MEMBERS IN DIRECT CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE-PRESERVATIVE TREATED. FIELD TREAT ALL LOCATIONS WHERE PRESSURE-PRESERVATIVE TREATED WOOD IS CUT, DRILLED, OR NOTCHED WITH A WATER-BORNE COPPER-BASED WOOD PRESERVATIVE.
24. GLUED LAMINATED MEMBERS:
   A. ALL SIMPLE SPAN FLOOR BEAMS AND WALL HEADERS SHALL HAVE 3500 FT RADIUS CAMBER, UNO. ALL SIMPLE SPAN ROOF BEAMS SHALL HAVE 1600 FT RADIUS CAMBER, UNO. ALL SPANS THAT ARE CONTINUOUS OVER ONE OR MORE INTERMEDIATE SUPPORTS OF SPANS WITH A CANTILEVER SHALL HAVE NO CAMBER, UNO.
   B. ALL GLUED LAMINATED MEMBERS SHALL HAVE A MAXIMUM MOISTURE CONTENT OF 16%.
   C. SPECIAL INSPECTION OF GLUED LAMINATED BEAMS SHALL BE IN ACCORDANCE WITH CBC SECTION 2303.1.3 AND SECTION 1705.5.5. SPECIAL INSPECTION IS NOT REQUIRED FOR NON-CUSTOM MEMBERS OF 5 1/8 INCH MAXIMUM WIDTH AND 18 INCH MAXIMUM DEPTH, AND WITH A MAXIMUM CLEAR SPAN OF 32 FEET, MANUFACTURED AND MARKED IN ACCORDANCE WITH ANSI / APA A190.1 SECTION 14.1 FOR NON-CUSTOM MEMBERS.
   D. SUBMIT SHOP DRAWINGS PRIOR TO FABRICATION OF GLUED LAMINATED MEMBERS. SHOP DRAWINGS SHALL INDICATE BEAMS AS SIMPLE OR CONTINUOUS.
   E. APPEARANCE OF MEMBERS SHALL BE FRAMING OR INDUSTRIAL APPEARANCE EXCEPT MEMBERS IN EXPOSED ARCHITECTURAL APPLICATIONS SHALL BE ARCHITECTURAL APPEARANCE, UNO.
   F. COMPLY WITH AITC 111 FOR PROTECTION DURING SHIPPING AND FIELD HANDLING.
   G. SHADED AREAS BELOW SHALL HAVE A 6" MINIMUM JOINT SPACING IN ADJACENT LAMINATIONS.



SIMPLE SPAN BEAMS



CONTINUOUS & CANTILEVER BEAMS

WMB ARCHITECTS
5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

WALNUT PARK LIBRARY
2700 LILLARD DR
DAVIS, CA 95618

WMB Project No. 19-022

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 150 N
SACRAMENTO, CA 95833
(916) 920-2020 WWW.CYSENG.COM
CONSULTANT - CYS Job No. 23051

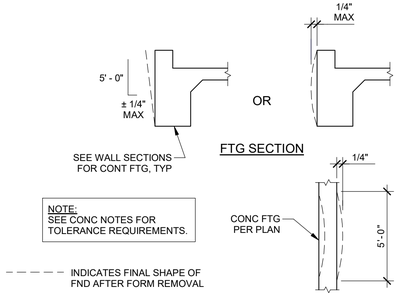
NOT FOR CONSTRUCTION — REGISTERED PROFESSIONAL ENGINEER — STRUCTURAL — STATE OF CALIFORNIA

08.23.24	BID SET

GENERAL NOTES

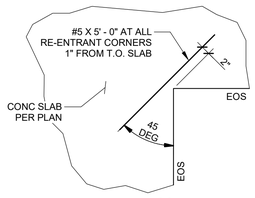
S0.2

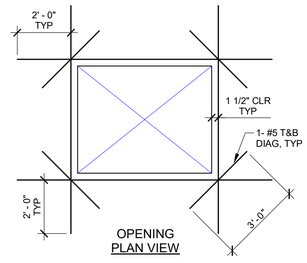
8/22/2024 1:13:04 PM Copyright WMB, Inc.



NOTE:
SEE CONC NOTES FOR TOLERANCE REQUIREMENTS.

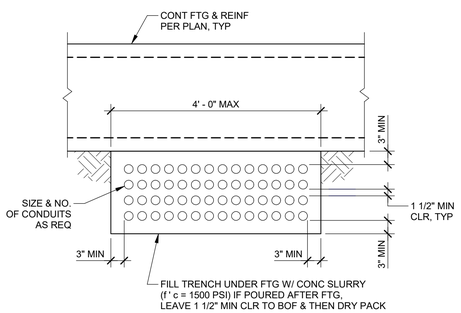
10 S0.3 CONC FORM TOLERANCE
NTS





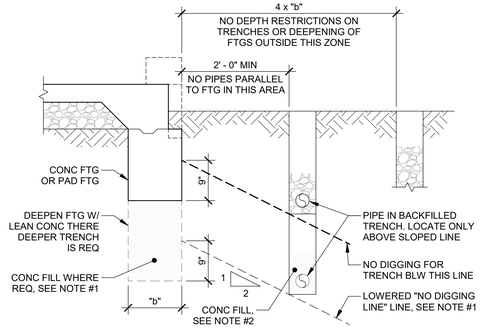
NOTES:
1. DTL ONLY SHOWS THE ADDNL REINF. OTHER DTLS SUCH AS MTL DECK, EOS, SUPPORT FRMG ARE NOT SHOWN FOR CLARITY.
2. ALL OPGS W/ A DIM OF 12" OR GREATER SHALL BE TRIMMED.
3. THIS REINF IS IN ADDITION TO ANY REINF INDICATED ON THE PLANS.

11 S0.3 SLAB OPG & RE-ENTRANT CORNER
NTS



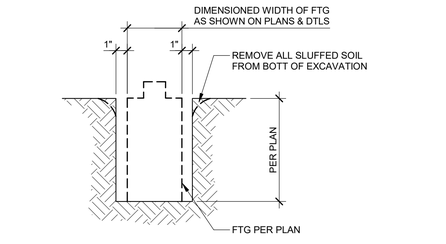
NOTE:
DO NOT RUN CONDUITS UNDER COL FTGS.

12 S0.3 CONDUITS AT FTG
NTS



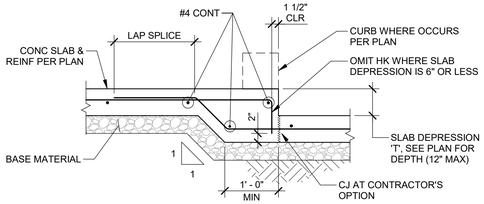
NOTES:
1. WHERE TRENCH OCCURS BLW "NO DIGGING LINE" (SHOWN AS HEAVY DASHED LINE), LOWER BOF W/ CONC FILL TO LOWER NO DIGGING LINE AS REQ (SHOWN AS LIGHT DASHED LINE).
2. IN LIEU OF LOWERING BOF WHERE TRENCH OCCURS BLW NO DIGGING LINE, FILL PORTION OF TRENCH BLW NO DIGGING LINE W/ CONC FILL PRIOR TO EXCAVATING FTG. PROVIDE SLEEVE W/ 1" CLR AROUND PIPE TO BE ENCASED IN CONC.
3. CONC FILL SHALL HAVE f ' c AT 28 DAYS > 1500 PSI.

6 S0.3 TRENCHING ADJACENT TO FOOTING
NTS



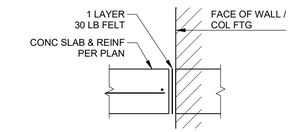
NOTE:
ALLOW 3 DAYS MIN BTW ADJ POURS.

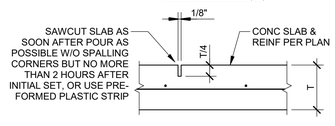
7 S0.3 CONC FTG SPLICE AT CONSTR JT
NTS

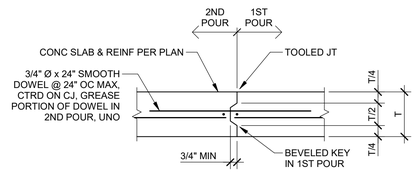


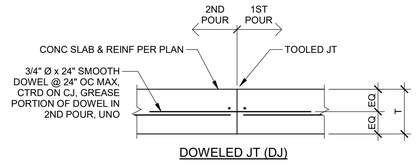
8 S0.3 SLAB DEPRESSION
NTS

9 S0.3 UNFORMED FTGS
NTS



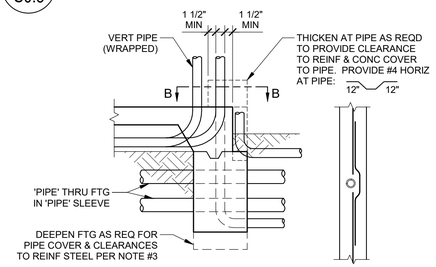


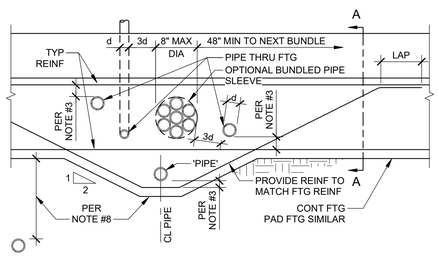




NOTE:
PROVIDE CONSTR OR CONTROL JTS AT MAX SPCG (PER CONC NOTES) TO DIVIDE SLAB INTO RECTANGULAR AREAS W/ LONG TO SHORT DIM RATIO NOT EXCEEDING 1 1/2 TO 1. AREAS SHALL NOT HAVE RE-ENTRANT CORNERS.

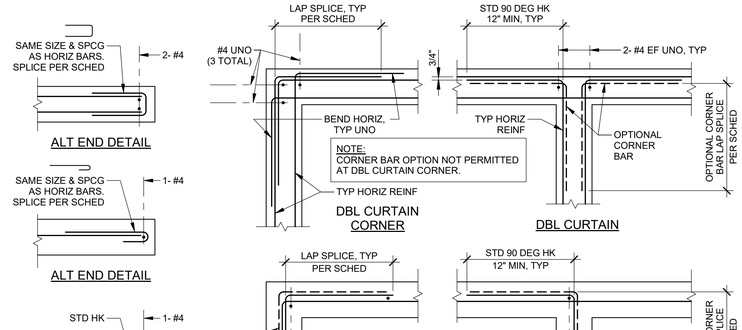
4 S0.3 SOG JTS
NTS





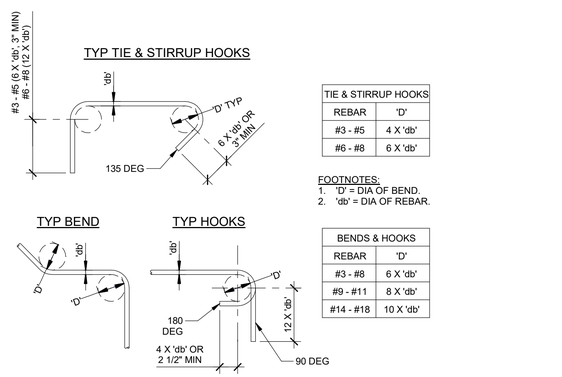
NOTES:
1. 'PIPE' = ANY PENETRATION THRU OR EMBEDDED IN FOUNDATION.
2. ALL PIPES THROUGH FOOTINGS TO BE WRAPPED OR SLEEVED. SLEEVES SHALL BE PVC. I.D. TO BE 2" LARGER THAN PIPE O.D. PIPES IN PLACE PRIOR TO PLACING CONCRETE MAY BE WRAPPED W/ 1" THICK FLEXIBLE INSULATION INSTEAD OF SLEEVE.
3. WRAPPED AND SLEEVED PIPES SHALL HAVE 1 1/2" MIN CLEAR TO REINF STEEL. MINIMUM CONCRETE COVER AT WRAPPED & SLEEVED PIPES TO BE 3".
4. CLEARANCE BETWEEN 'PIPES' TO BE 3d MIN TYP WITH A MAXIMUM OF (8) PIPES PER 48". GROUPS OF PIPES MAY BE BUNDLED AS SHOWN EXCEPT IN PAD FOOTINGS.
5. NO 'PIPE' TO RUN PARALLEL IN FOOTINGS, STEM OR CURB.
6. PVC CONDUIT ('PIPE') EMBEDDED IN CURB/STEM MAY BE WIRE TIED TO HORIZONTAL REINF.
7. NO HORIZONTAL PIPES ALLOWED THROUGH FOOTING WITHIN 2'-0" EACH SIDE OF HOLDOWNS OR STEEL COLUMNS. NO VERTICAL PIPES ALLOWED IN FOOTINGS AT BRACED FRAMES.
8. PROVIDE 18" MIN OF COMPACTED FILL ABOVE PIPES UP TO 12"ø, FOR LARGER PIPES INCREASE COMPACTED FILL DEPTH 1'-0" FOR EACH 6" INCREASE IN PIPE DIAMETER. OTHERWISE DEEPEN FOOTING AS SHOWN.

5 S0.3 PIPE & CONDUIT AT FOOTING
NTS



NOTES:
1. BAR INTERSECTIONS APPLY TO ALL SINGLE, DBL & MULTIPLE CURTAIN INTERSECTIONS & TO ALL VARIATIONS OF VERT & HORIZ REBAR POSITIONS.
2. TYP VERT REINF NOT SHOWN FOR CLARITY.
3. LAP SPLICES PER SCHED ON SHT S001.

1 S0.3 TYP REINF SPLICES AT INTERSECTIONS OF BMS, WALL & FTGS
NTS

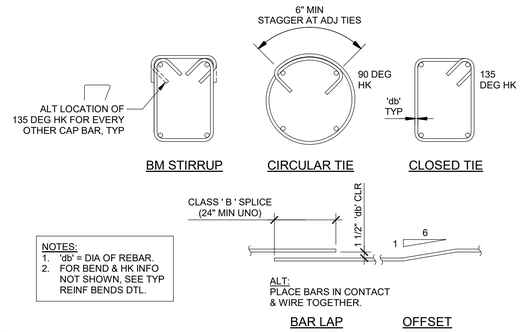


TIE & STIRRUP HOOKS	
REBAR	'D'
#3 - #5	4 X 'db'
#6 - #8	6 X 'db'

FOOTNOTES:
1. 'D' = DIA OF BEND.
2. 'db' = DIA OF REBAR.

BENDS & HOOKS	
REBAR	'D'
#3 - #8	6 X 'db'
#9 - #11	8 X 'db'
#14 - #18	10 X 'db'

2 S0.3 TYP REINF BENDS
NTS



NOTES:
1. 'db' = DIA OF REBAR.
2. FOR BEND & HK INFO NOT SHOWN, SEE TYP REINF BENDS DTL.

3 S0.3 TYP REINF
NTS

WMB ARCHITECTS
5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

WALNUT PARK LIBRARY
2700 LILLARD DR
DAVIS, CA 95618

WMB Project No. 19-022

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 150 N
SACRAMENTO, CA 95833
(916) 920-2020 WWW.CYSENG.COM
CONSULTANT - CYS Job No. 23051

NOT FOR CONSTRUCTION

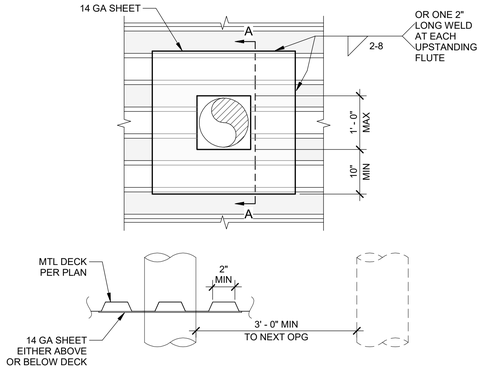
08.23.24	BID SET

TYPICAL DETAILS - CONCRETE

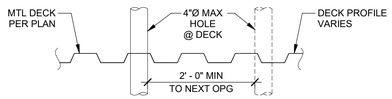
S0.3

[redacted]

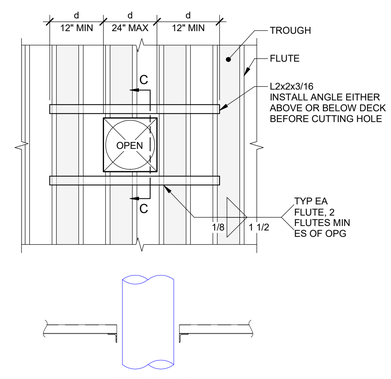
8/22/2024 1:13:06 PM Copyright WMB, Inc.



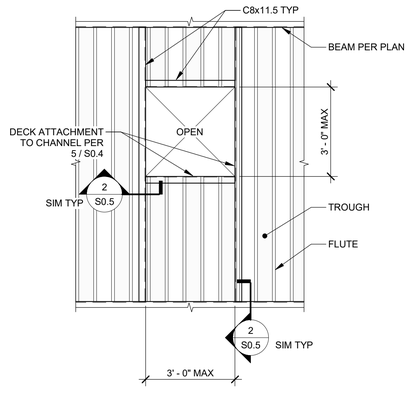
A MAXIMUM HOLE WITH SHEET REINFORCING



B MAXIMUM HOLE WITH SHEET REINFORCING

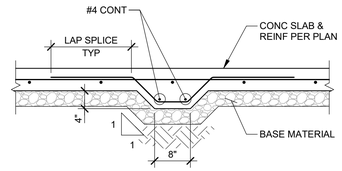


C OPENING IN STEEL DECK

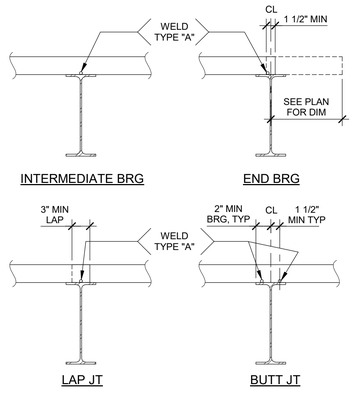


D OPENING IN STEEL DECK

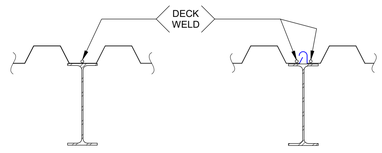
6 S0.4 OPGS IN MTL ROOF DECK
NTS

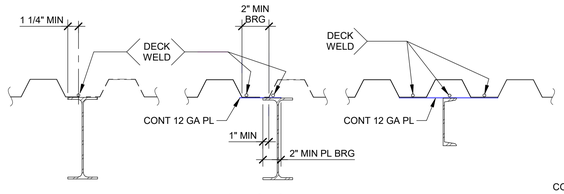


4 S0.4 THICKENED SLAB
NTS

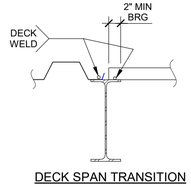


WELDS AT DECK PERP TO BMS





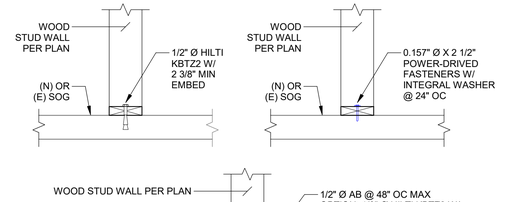
DECK NOT CENTERED
WELDS AT DECK PARALLEL TO BMS

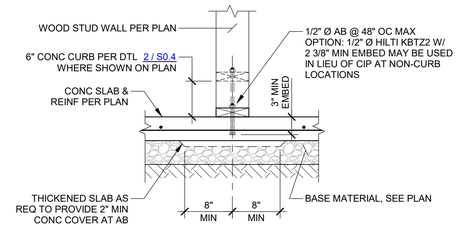


DECK SPAN TRANSITION

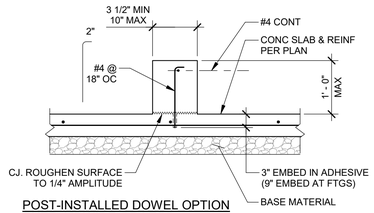
NOTES:
1. SEE SHT S0.2 FOR DECK WELD REQUIREMENTS.
2. INCREASE DECK WELD TO 1" Ø AT 12 GA PL TO STRUC STL.

5 S0.4 MTL DECK TO BM WELD
NTS

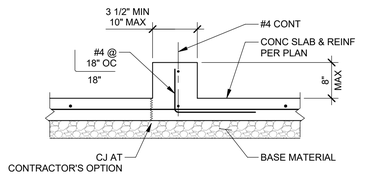




1 S0.4 TYP NON-STRUC INTR WOOD WALL
NTS



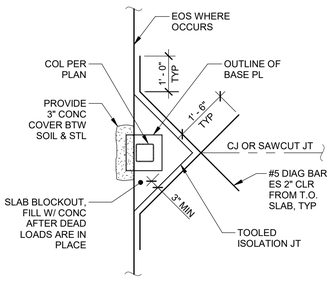
POST-INSTALLED DOWEL OPTION
CURB 10" WIDE OR LESS



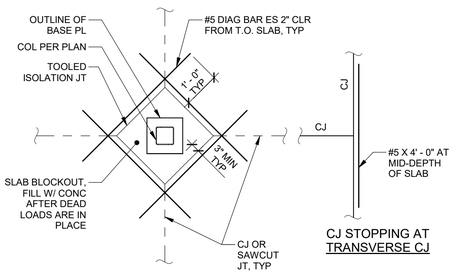
CIP DOWEL OPTION
CURB 10" WIDE OR LESS

NOTE:
SEE OTHER DWGS FOR CURB SIZE & LOCATION.

2 S0.4 TYP CONC CURB
NTS



CONDITION AT SLAB EDGE



CONDITION AT SLAB INTR

CJ STOPPING AT TRANSVERSE CJ

NOTE:
AT CONTRACTOR'S OPTION, USE ROUND SONOTUBES FOR BLOCKOUTS.
FTG / FND BLW NOT SHOWN FOR CLARITY.

3 S0.4 COL SLAB BLOCKOUT
NTS

WMB ARCHITECTS
5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

WALNUT PARK LIBRARY
2700 LILLARD DR
DAVIS, CA 95618

WMB Project No. 19-022

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 150 N
SACRAMENTO, CA 95833
(916) 920-2020 WWW.CYSENG.COM

CONSULTANT - CYS Job No. 23051

REGISTERED PROFESSIONAL ENGINEER STRUCTURAL STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

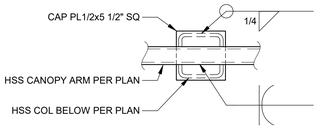
08.23.24	BID SET

TYPICAL DETAILS - CONCRETE & METAL ROOF DECK

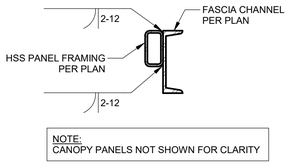
S0.4

8/22/2024 1:13:07 PM

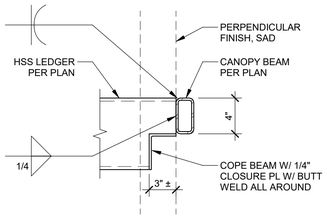
Copyright WMB, Inc.



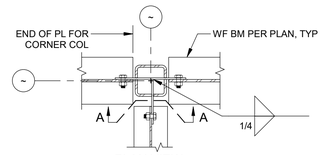
10 / S0.5 CAP PL @ CANOPY ARM
1 1/2" = 1'-0"

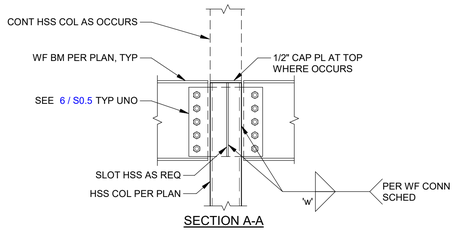


11 / S0.5 HSS TO FASCIA CHANNEL
1 1/2" = 1'-0"

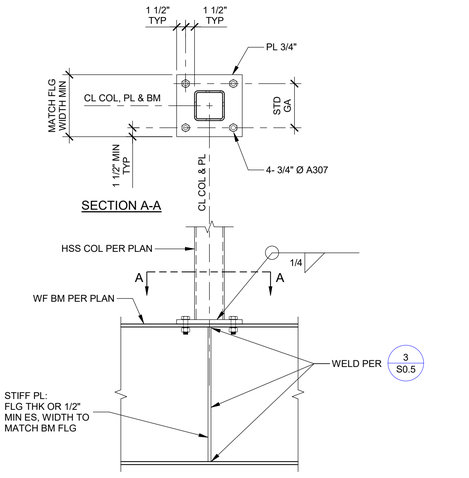


12 / S0.5 HSS TO CANOPY LEDGER
1 1/2" = 1'-0"

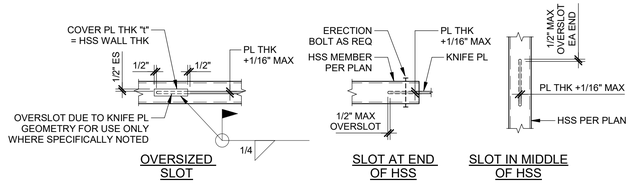




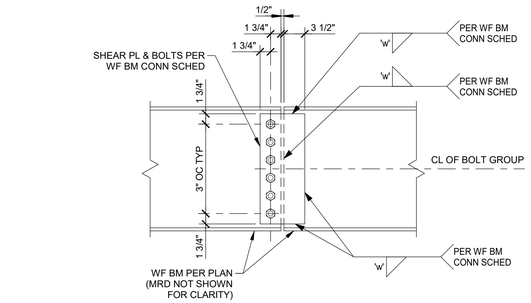
7 / S0.5 HSS COL TO WF BM CONN
NTS



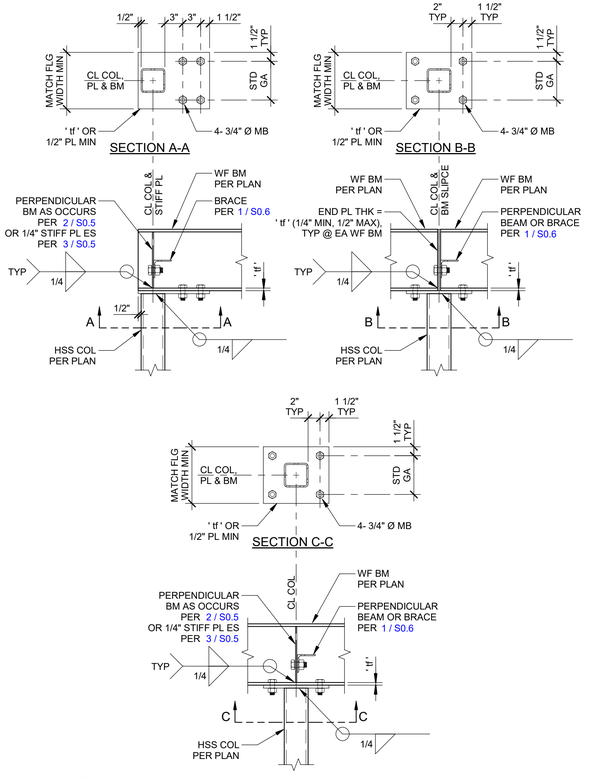
8 / S0.5 HSS COL TO WF BM CONN
NTS



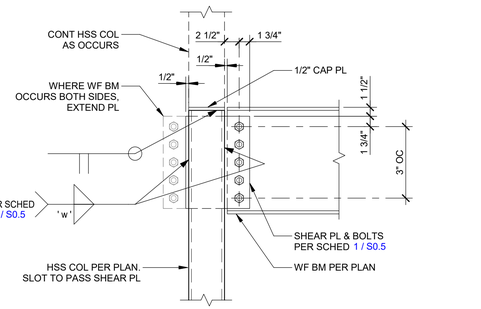
9 / S0.5 TYPICAL HSS SLOT
3/4" = 1'-0"



4 / S0.5 WF BM TO WF BM SPLICE
NTS



5 / S0.5 HSS COL TO WF BM CONN
NTS

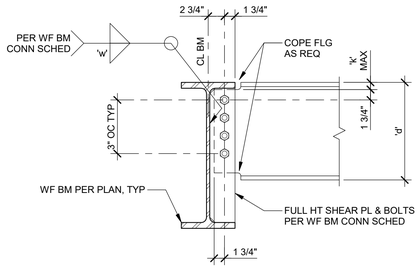


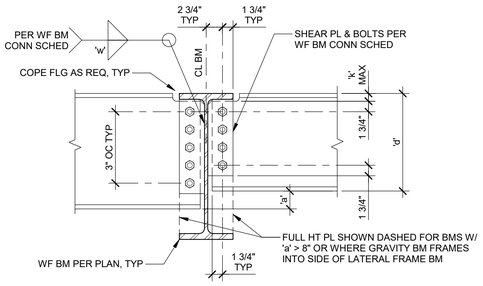
6 / S0.5 WF BM TO HSS COL W/ SHEAR PL
NTS

BM SIZE	SHEAR PL THICKNESS	BOLTS			WELD 'w'	REMARKS
		NO.	DIA	TYPE		
C6X, W8X & W10X	5/16"	2	7/8"	A325N	1/4"	
W12X & W14X	5/16"	3	7/8"	A325N	1/4"	
W16X	3/8"	4	7/8"	A325N	5/16"	
W18X	3/8"	5	7/8"	A325N	5/16"	
W21X	3/8"	5	7/8"	A325N	5/16"	
W24X	1/2"	6	7/8"	A325N	3/8"	

NOTES:
1. THIS SCHED APPLIES TO NON-MOMENT FRAME CONNS, TYP.
2. ALL CONNS FOR GRAVITY FRMG SHALL BE SNUG TIGHT EXCEPT AS NOTED IN NOTE #3 BLW & UNO.
3. ALL GRAVITY BMS IN LINE W/ (IN THE SAME PLANE AS) MOMENT FRAMES & BRACED FRAMES SHALL HAVE PRE-TENSIONED (PT) CONNS PER THE SPEC FOR STRUC JTS USING HIGH-STRENGTH BOLTS (HSB) & SHALL MEET THE REQUIREMENTS FOR SLIP-CRITICAL (SC) FAYING SURFACES IN ACCORDANCE W/ AISC 360 SECTION J3.8 W/ A CLASS A SPLICE.
4. ALL BOLTS SHALL BE INSTALLED IN STD HOLES, EXCEPT AS NOTED IN REMARKS OR DTLS.
5. SEE PLAN FOR CONNS W/ BOLTS IN MULTIPLE ROWS.
6. SEE PLANS & DTLS FOR LOCATIONS WHERE BM CONNS REQUIRE PT OR SC BOLTED CONNS AS PART OF THE SFRS OTHER THAN AS NOTED IN NOTE #3 ABV. SUCH BMS ARE IDENTIFIED ON PLANS W/ (PT) OR (SC) NEXT TO THE BM SECTION DESIGNATION. SEE FRAMING LEGEND ON PLANS FOR MORE INFO.
7. A325N = ASTM F3125, GRADE A325-N. A490N = ASTM F3125, GRADE A490-N.

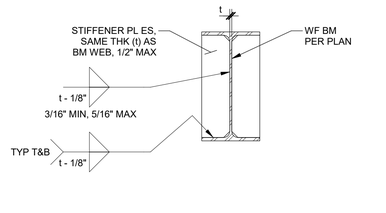
1 / S0.5 WF BM CONN SCHED





NOTE:
'k' MAX = LARGEST (OF BOTH WF BMS) DISTANCE FROM OUTER FACE OF FLG TO THE WEB TOE OF FILLET USED FOR DETAILING. VALUES ARE PUBLISHED IN AISC STEEL CONSTRUCTION MANUAL.

2 / S0.5 TYP WF BM TO WF BM CONN
NTS



3 / S0.5 STIFFENER PLATE
1 1/2" = 1'-0"

WMB ARCHITECTS
5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

WALNUT PARK LIBRARY
2700 LILLARD DR
DAVIS, CA 95618

WMB Project No. 19-022

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 150 N
SACRAMENTO, CA 95833
(916) 920-2020 WWW.CYSENG.COM
CONSULTANT - CYS Job No. 23051

REGISTERED PROFESSIONAL ENGINEER STRUCTURAL CALIFORNIA
NOT FOR CONSTRUCTION

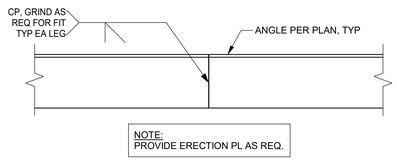
08.23.24	BID SET

TYPICAL DETAILS - STEEL

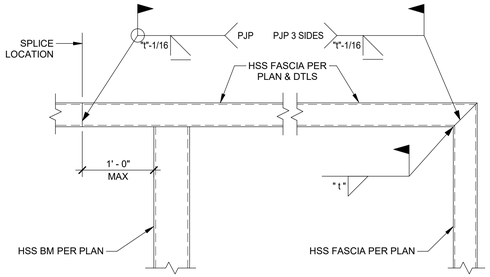
S0.5

8/22/2024 1:13:10 PM

Copyright WMB, Inc.

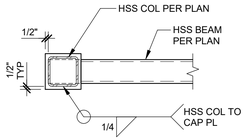


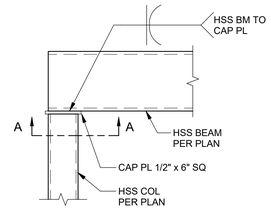
10 S0.6 ANGLE SPLICE DETAIL
NTS



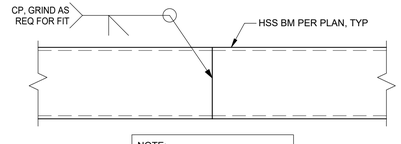
NOTES:
1. " t " SHALL BE THE LESSER OF THE THINNEST HSS WALL THK OR 5/16", TYP UNO.
2. AT ARCH EXPOSED CONNS, REMOVE ERECTION TABS & GRIND WELDS SMOOTH, TYP UNO.

6 S0.6 TYP HSS BM SPLICE & CORNER CONN
NTS

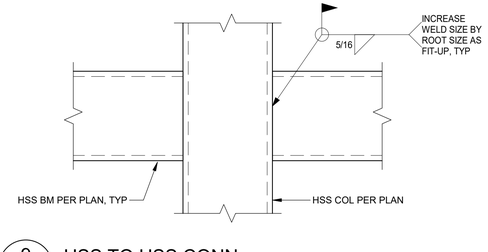




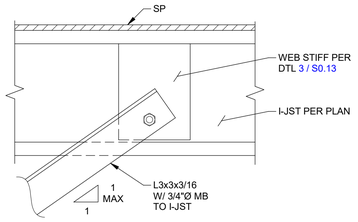
7 S0.6 HSS BM TO HSS COL
NTS

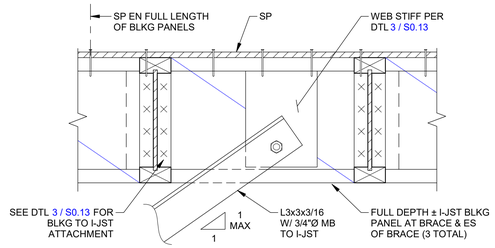


8 S0.6 HSS BM SPLICE DETAIL
NTS

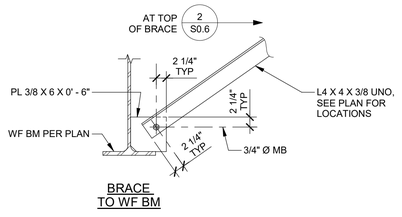


9 S0.6 HSS TO HSS CONN
1 1/2" = 1'-0"



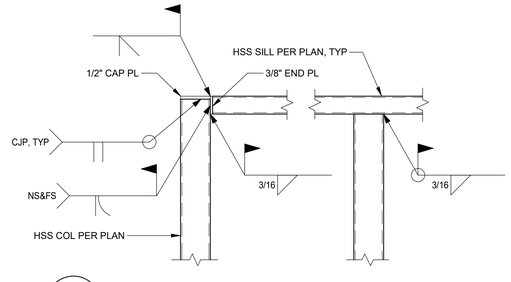


2 S0.6 STL BM BRACING AT I-JOISTS
1 1/2" = 1'-0"

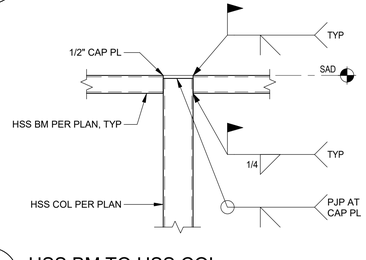


3 S0.6 BRACING DETAIL
3/4" = 1'-0"

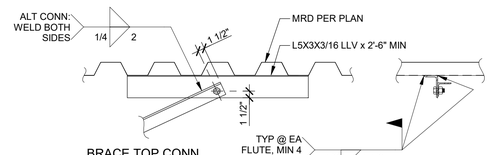
8 S0.6 HSS BM SPLICE DETAIL
NTS

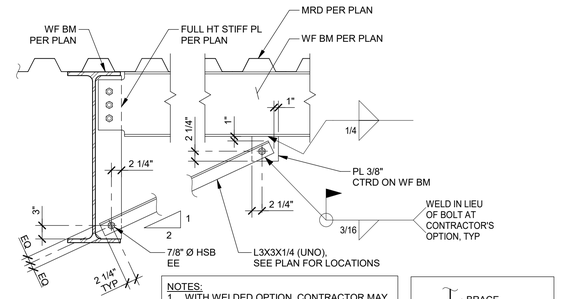


4 S0.6 HSS HDR TO HSS COL
NTS

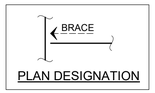


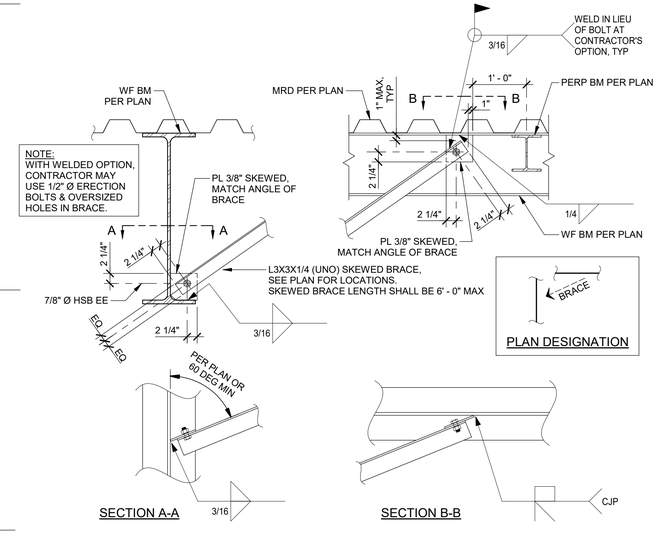
5 S0.6 HSS BM TO HSS COL
NTS

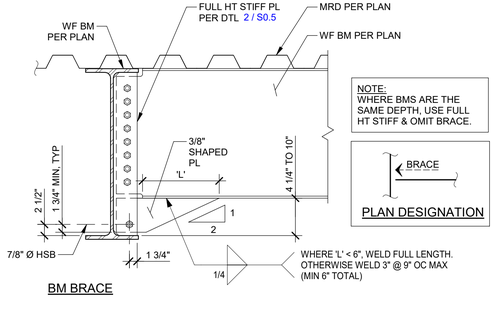




NOTES:
1. WITH WELDED OPTION, CONTRACTOR MAY USE 1/2" Ø ERECTION BOLTS & OVERSIZED HOLES IN BRACE.
2. WHERE BMS ARE THE SAME DEPTH, USE FULL HT STIFF & OMIT BRACE.







1 S0.6 BM BOTT FLG BRCG
NTS

WMB ARCHITECTS
5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

WALNUT PARK LIBRARY
2700 LILLARD DR
DAVIS, CA 95618

WMB Project No. 19-022

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 150 N
SACRAMENTO, CA. 95833
(916) 920-2020 WWW.CYSENG.COM
CONSULTANT - CYS Job No. 23051

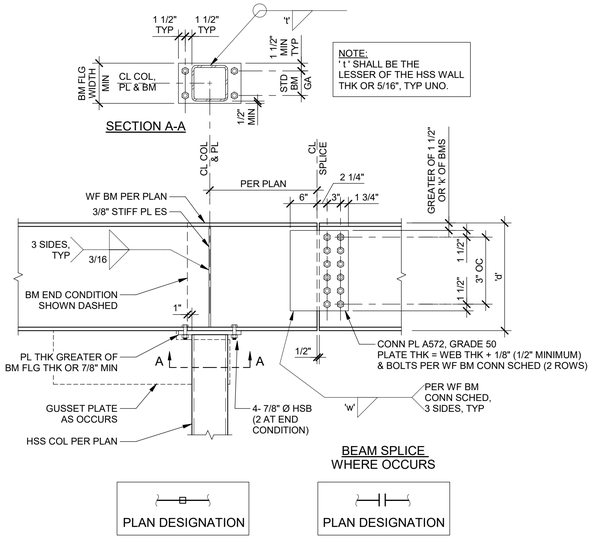
NOT FOR CONSTRUCTION

08.23.24	BID SET

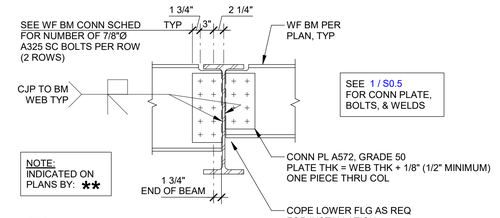
TYPICAL DETAILS - STEEL

S0.6

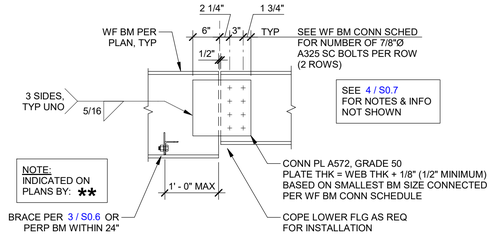
8/22/2024 1:13:12 PM Copyright WMB, Inc.



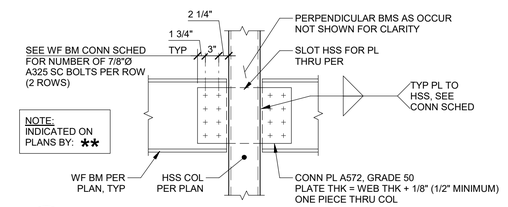
8 / S0.7 TYP WF BM OVER HSS COL CONN & BM SPLICE
NTS



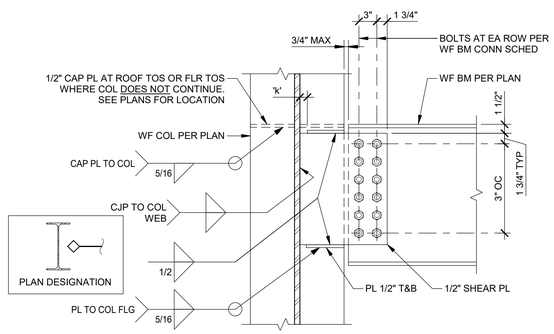
4 / S0.7 SEISMIC TIE DETAIL
NTS



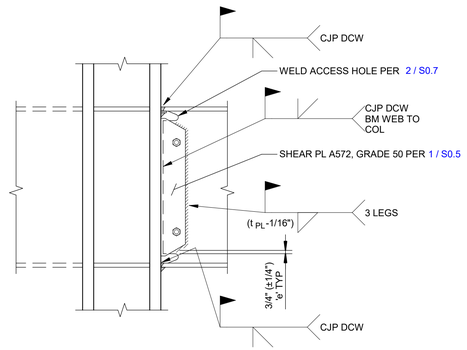
5 / S0.7 SEISMIC TIE DETAIL
NTS



6 / S0.7 SEISMIC TIE @ HSS COL
NTS

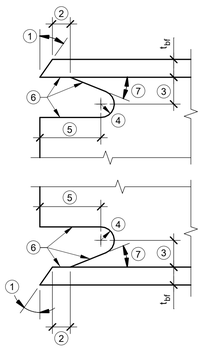


7 / S0.7 BM TO COL WEB - 2 ROW BOLTED CONN
NTS



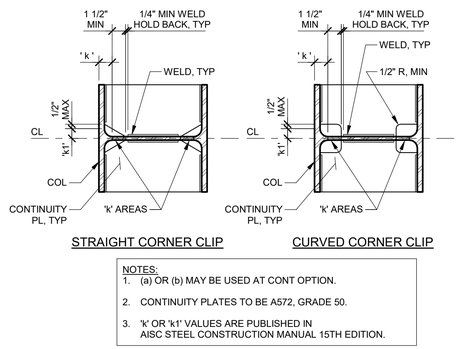
NOTES:
1. SEE 3 / S0.7 FOR CONTINUITY PL.
2. e = 1/2" MIN DISTANCE, 1" MAX DISTANCE FROM END OF FILLET WELD TO EDGE OF ACCESS HOLE

1 / S0.7 MOMENT FRAME - FIELD WELDS
NTS



NOTES:
1. BEVEL AS REQ FOR THE WPS.
2. t_{bf} OR 1/2", WHICHEVER IS LARGER (TOLERANCE = +1/2 t_{bf} , +1/4 t_{bf}).
3. THE MIN DIM SHALL BE 3/4 t_{bf} , OR 3/4" WHICHEVER IS GREATER. THE MAX DIM SHALL BE t_{bf} (+1/4").
4. 3/8" MIN RADIUS (-0, + UNLIMITED).
5. 3 t_{bf} (±1/2").
6. SURFACE ROUGHNESS SHALL NOT EXCEED 500 MICRO-INCHES (AWS C1.4 SAMPLE 4).
7. TOLERANCES SHALL NOT ACCUMULATE TO THE EXTENT THAT THE ANGLE OF THE ACCESS HOLE CUT TO THE FLG SURFACE EXCEEDS 25 DEG.

2 / S0.7 AWS D1.8 BM FLG WELD ACCESS HOLE
NTS



NOTES:
1. (a) OR (b) MAY BE USED AT CONT OPTION.
2. CONTINUITY PLATES TO BE A572, GRADE 50.
3. 'k' OR 'k1' VALUES ARE PUBLISHED IN AISC STEEL CONSTRUCTION MANUAL 15TH EDITION.

3 / S0.7 TYP CONTINUITY PLATE CORNER CLIPS
NTS

WMB ARCHITECTS
5757 Pacific Avenue
Suite 226
Stockton, CA 95207
2000 L Street
Suite 125
Sacramento, CA 95811
T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

WALNUT PARK LIBRARY
2700 LILLARD DR
DAVIS, CA 95618

WMB Project No. 19-022

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 150 N
SACRAMENTO, CA 95833
(916) 920-2020 WWW.CYSENG.COM
CONSULTANT - CYS Job No. 23051

REGISTERED PROFESSIONAL ENGINEER STRUCTURAL STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

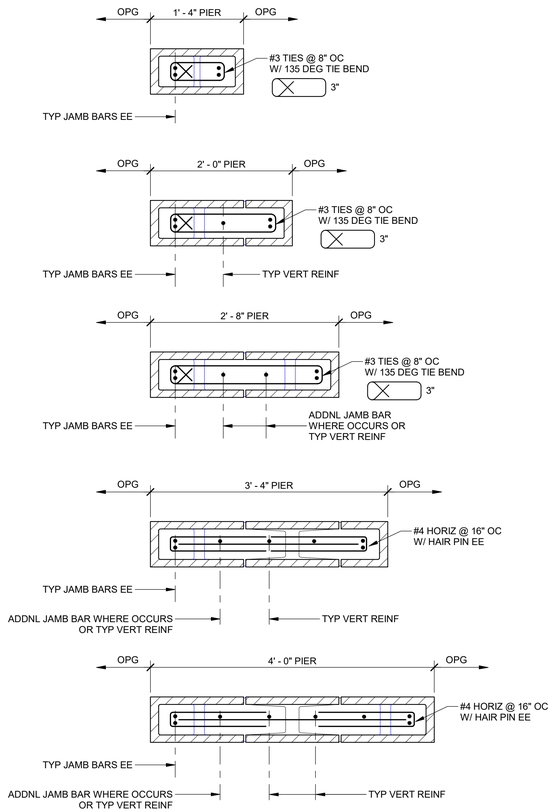
08.23.24	BID SET

TYPICAL DETAILS - SFRS STEEL

S0.7

8/22/2024 1:13:13 PM

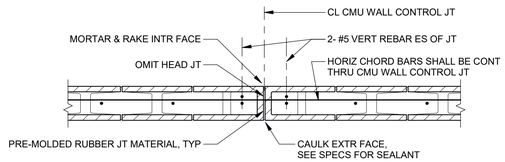
Copyright WMB, Inc.



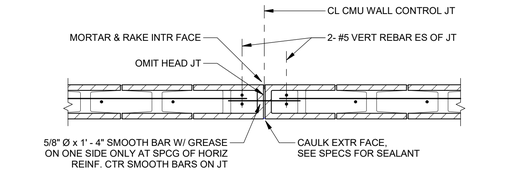
PLAN VIEW AT PIER W/ SINGLE LAYER REINF

4 S0.8 TYP MASONRY PIERS

NTS



PLAN VIEW A
AT CHORD BARS & CONT HORIZ BARS

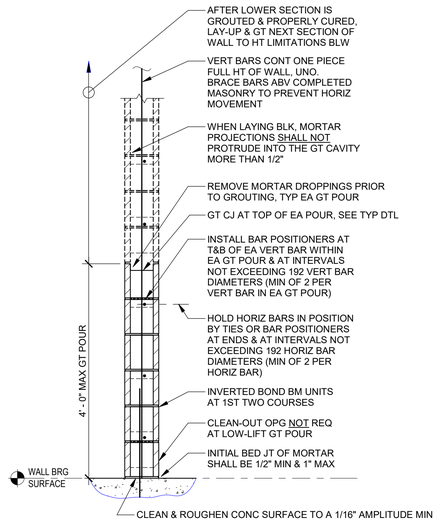


PLAN VIEW B
BTW CHORD BARS & CONT HORIZ BARS

NOTES:
1. ALTERNATE BETWEEN "A" & "B" UP HEIGHT OF WALL. USE "A" AT BOTT & TOP OF WALL.
2. CONTRACTOR TO SUBMIT TO ARCH & SE FOR WRITTEN APPROVAL FINAL LOCATIONS OF CONTROL JTS PRIOR TO CONSTR.
3. MAX SPCG OF JTS TO BE THE LESSER OF 25' - 0" OR 1.5 TIMES CMU WALL HT.

3 S0.8 MASONRY WALL VERT CONTROL JTS

NTS

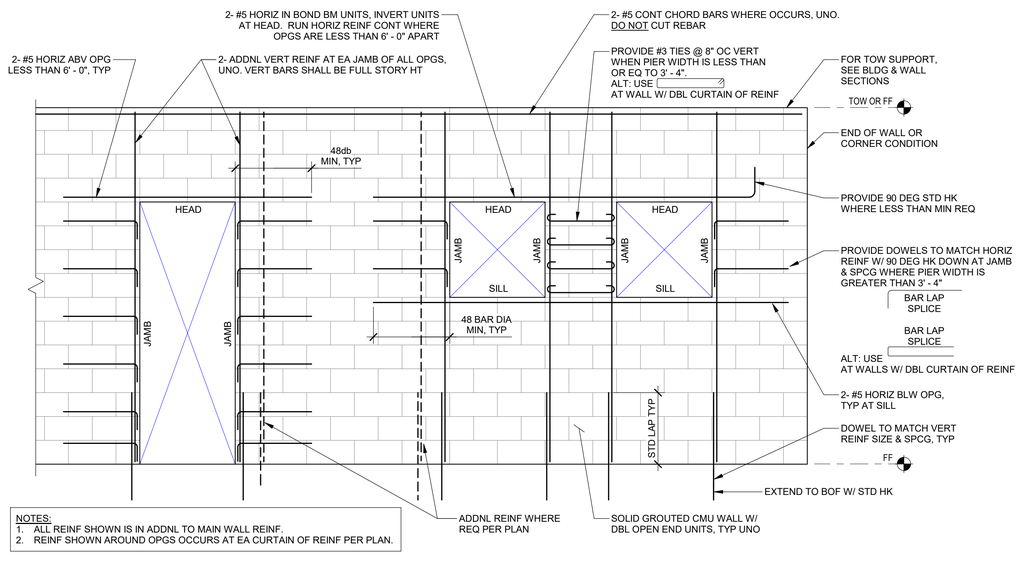


LOW-LIFT GROUTING

NOTES:
1. SINGLE & DBL LAYER REINFORCED WALLS MAY BE CONSTRUCTED USING LOW-LIFT GROUTING METHOD.
2. DO NOT PLACE GT UNTIL ALL MASONRY UNITS, TIES, REBAR, BOLTS, EMBEDDED ITEMS & CLEAN-OUT CLOSURES ARE IN PLACE & SECURED IN POSITION TO THE TOP OF EA GT POUR. GT ALL CELLS SOLID.

1 S0.8 TYP MASONRY CONSTR LOW-LIFT GROUTING

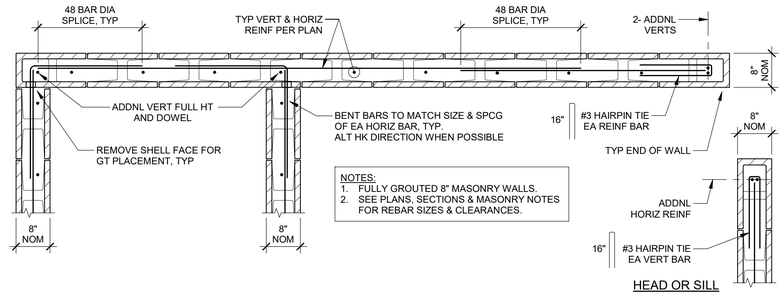
NTS



NOTES:
1. ALL REINF SHOWN IS IN ADDNL TO MAIN WALL REINF.
2. REINF SHOWN AROUND OPGS OCCURS AT EA CURTAIN OF REINF PER PLAN.

5 S0.8 TYP MASONRY WALL OPGS

NTS



NOTES:
1. FULLY GROUTED 8" MASONRY WALLS.
2. SEE PLANS, SECTIONS & MASONRY NOTES FOR REBAR SIZES & CLEARANCES.

HEAD OR SILL

2 S0.8 TYP MASONRY WALL REINFORCING AT INTERSECTIONS, CORNERS & ENDS

NTS

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

WALNUT PARK LIBRARY
2700 LILLARD DR
DAVIS, CA 95618

WMB Project No. 19-022

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190 N
SACRAMENTO, CA 95833
(916) 920-2020 WWW.CYSENG.COM
CONSULTANT - CYS Job No. 23051

REGISTERED PROFESSIONAL ENGINEER STRUCTURAL OF CALIFORNIA
NOT FOR CONSTRUCTION

08.23.24	BID SET

TYPICAL DETAILS - MASONRY

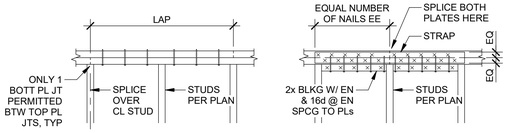
S0.8

8/22/2024 1:13:14 PM

Copyright WMB, Inc.

TOP PLATE SPLICE SCHEDULE		
MARK	LAP SPLICE (CASE 1)	STRAP SPLICE (CASE 2)
A	12- 16d PER 48" MIN LAP	MSTC28
B	22- 16d PER 48" MIN LAP	MSTC40
C	30- 16d PER 72" MIN LAP	MSTC66
D	36- 16d PER 72" MIN LAP	MSTC40 ES
E	44- 16d PER 96" MIN LAP	MSTC66 ES

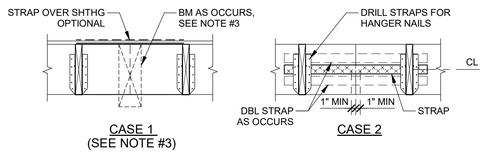
NOTES:
1. AT LAP SPLICES, SPACE NAILS @ 3" MIN (12" MAX). STAGGER AT 2 1/2" GAGE.
2. USE STRAP SPLICES WHERE BM INTERSECTS W/ TOP PL.
3. NAILS TO MATCH LAP SPLICES ES OF SLIPCE (16d @ 12" OC MIN).
4. USE SPLICE TYPE A, UNO.

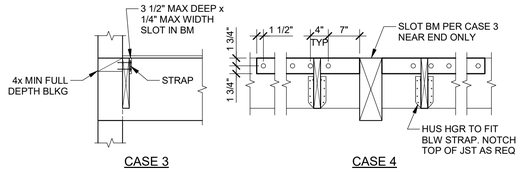


7 / S0.9 TOP PLATE SPLICE SCHEDULE
NTS

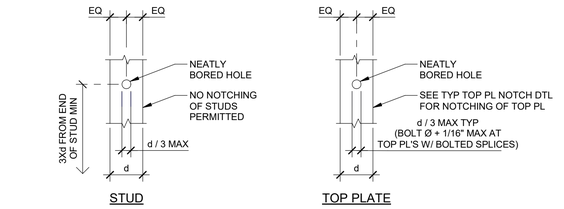
LEDGER SPLICE SCHEDULE				
MARK	CASE	STRAP/PLATE	CASE	STRAP/PLATE
A	1	MSTA24 T&B	2	MSTA24 T&B
B	1	MSTA30 T&B	2	MSTA30 T&B
C	2	MSTA66	3	MSTC78
D	2	CMST14 x 5' - 6"	3	CMST14 x 6' - 0"
E	2	2- MSTI 48	4	PL1/4" W/ 6- 1"Ø MB EACH SIDE OF SPLICE

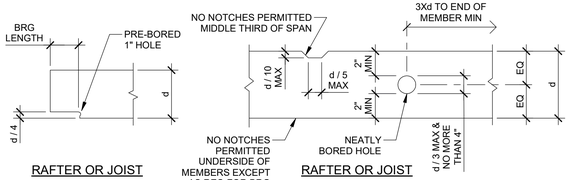
NOTES:
1. PROVIDE 3x OR 2- 2x STUDS @ SPLICE.
2. ALL NAILS TO BE 10d. NAIL ALL HOLES.
3. AT CASE 1: SPLICE WITH MSTA36 AT BEAM.
4. AT CASE 1: NAILS SHALL BE 10d x 2 1/2".
5. USE SPLICE MARK A, UNO.
6. AT LVL LEDGER SPLICE, USE CASE 2 FOR MARK A AND B SPLICES.



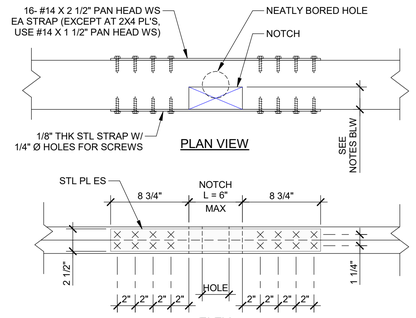


8 / S0.9 LEDGER OR RIM SPLICE SCHEDULE
NTS



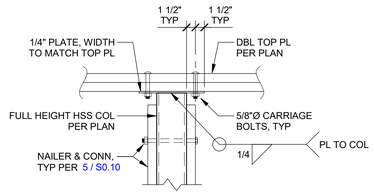


3 / S0.9 TYP NOTCH & HOLE DETAIL
NTS

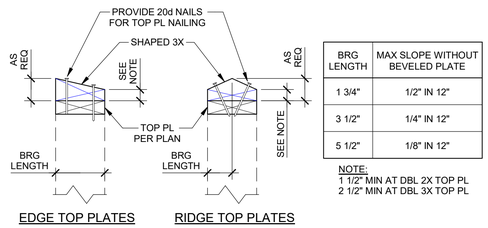


NOTES:
1. USE STRAP ES WHEN NOTCH OF HOLE IS GREATER THAN 1/3 WIDTH OF PL'S.
2. NO NOTCH OR HOLE GREATER THAN 1/2 WIDTH OF PL'S IS ALLOWED.
3. HOLES LESS THAN 1/3 WIDTH OF PL MAY BE DRILLED AT CTR W/O ADDNL REINF.

4 / S0.9 TYP TOP PLATE SPLICE AT NOTCH OR HOLE FOR PIPE / CONDUIT
NTS



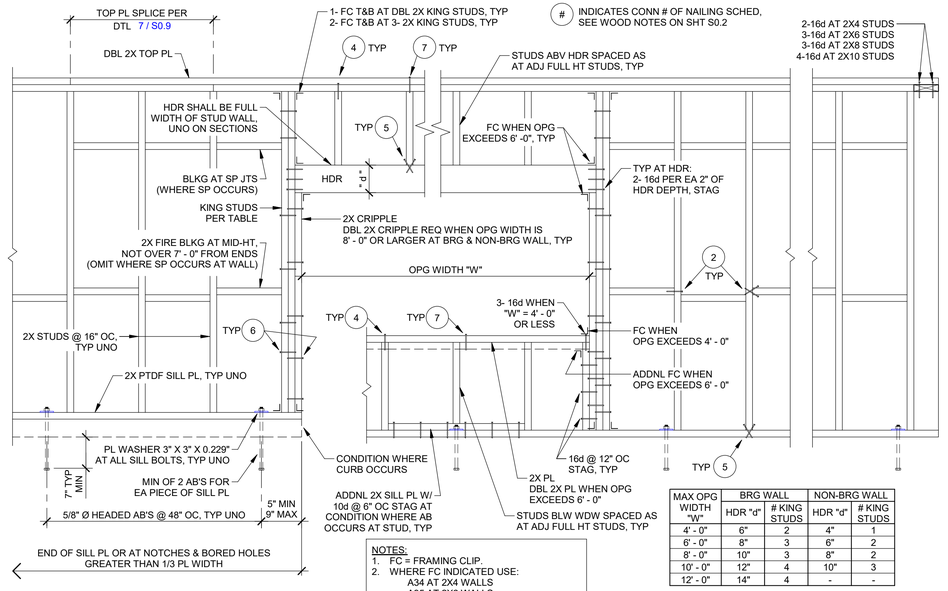
5 / S0.9 HSS COL TO TOP PLATE
NTS



BRG LENGTH	MAX SLOPE WITHOUT BEVELED PLATE
1 3/4"	1/2" IN 12"
3 1/2"	1/4" IN 12"
5 1/2"	1/8" IN 12"

NOTE:
1 1/2" MIN AT DBL 2X TOP PL
2 1/2" MIN AT DBL 3X TOP PL

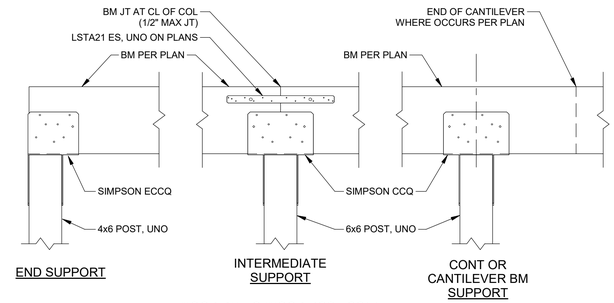
6 / S0.9 TYP BEVELED TOP PLATE
NTS



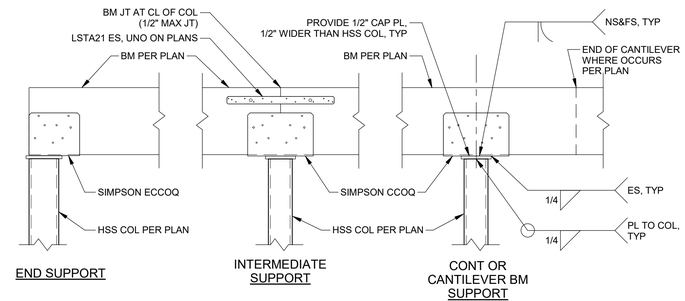
NOTES:
1. FC = FRAMING CLIP.
2. WHERE FC INDICATED USE:
   A34 AT 2X4 WALLS
   A35 AT 2X6 WALLS
   LS70 AT 2X8 WALLS
   LS90 AT 2X10 WALLS
2. USE 20d IN LIEU OF 16d AT 3X MEMBERS.

MAX OPG WIDTH "W"	BRG WALL		NON-BRG WALL	
	HDR "d"	# KING STUDS	HDR "d"	# KING STUDS
4' - 0"	6"	2	4"	1
6' - 0"	8"	3	6"	2
8' - 0"	10"	3	8"	2
10' - 0"	12"	4	10"	3
12' - 0"	14"	4	-	-

1 / S0.9 TYP WALL OPG FRMG DETAIL
NTS



WOOD BM TO WOOD POST CONN



WOOD BM TO HSS COL CONN

2 / S0.9 TYP BM TO POST / COL CONNS
NTS

WMB ARCHITECTS
5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

WALNUT PARK LIBRARY
2700 LILLARD DR
DAVIS, CA 95618

WMB Project No. 19-022

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 150 N
SACRAMENTO, CA 95833
(916) 920-2020 WWW.CYSENG.COM
CONSULTANT - CYS Job No. 23051

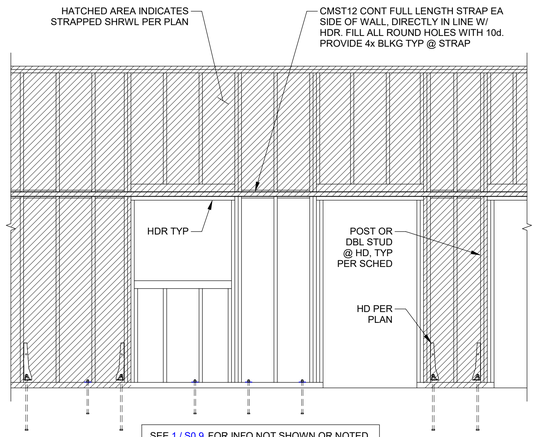
REGISTERED PROFESSIONAL ENGINEER STRUCTURAL STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

08.23.24	BID SET

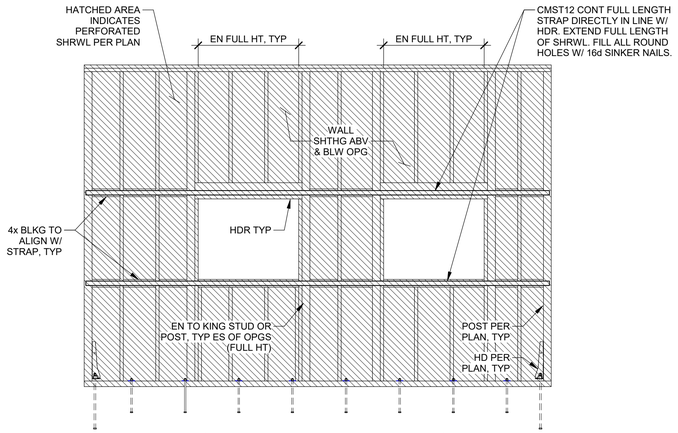
TYPICAL DETAILS - WOOD

S0.9

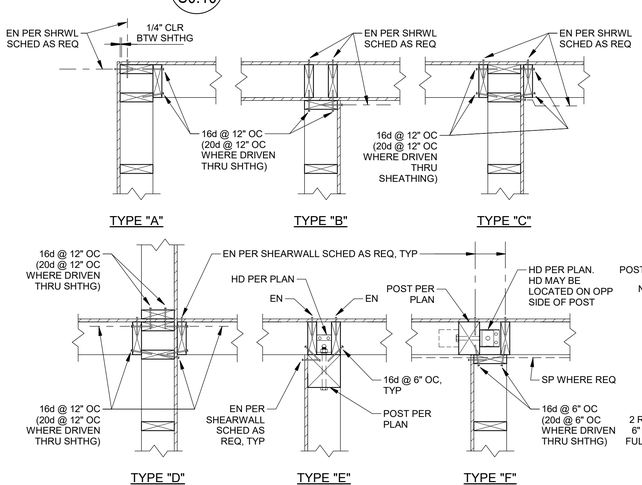
8/22/2024 1:13:15 PM Copyright WMB, Inc.



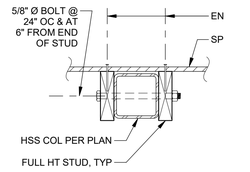
7 S0.10 STRAPPED SHEARWALL
NTS

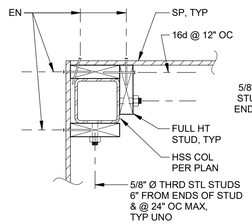


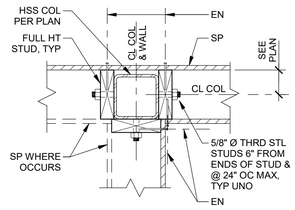
8 S0.10 PERFORATED SHEARWALL
NTS

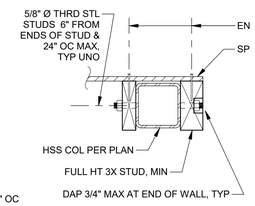


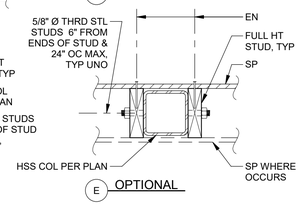
9 S0.10 TYP STUD FRMG AT CORNERS & INTERSECTIONS
NTS

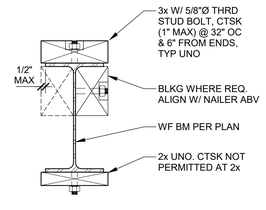






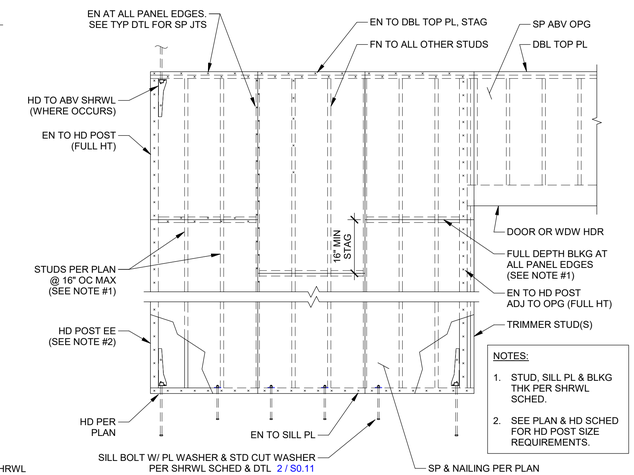






NOTES:
1. FOR STUD SIZE & SPCG SEE PLAN.
2. SEE DTL 2 / S0.10 FOR WELDING INFO.
3. SEE SHRWL SCHED & GENERAL NOTES ON ROOF FRMG PLAN FOR ADDNL INFO.
4. 3X WHERE REQ PER SHRWL SCHED.
5. COORD NAILER LENGTH & LOCATION WHEN COL OCCURS AT BLOCKOUTS IN CONC CURBS, SLABS & FTGS.
6. PROVIDE BOLTS @ 12" OC AT SHRWL WITH WALL EN LESS THAN 4" OC.
7. SHIM HSS TIGHT TO SHTHG WITH PAF @ 24" OC.
8. THRU BOLTS ARE ACCEPTABLE AT STRAIGHT WALLS.

5 S0.10 STUD FRMG AT HSS COLUMN DETAIL
NTS

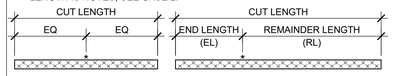


NOTES:
1. STUD, SILL PL & BLKG THK PER SHRWL SCHED.
2. SEE PLAN & HD SCHED FOR HD POST SIZE REQUIREMENTS.

6 S0.10 SHEARWALL & BEARING WALL ASSEMBLY
NTS

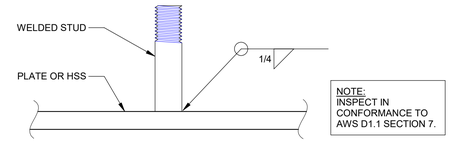
TIE STRAP SCHEDULE					
MARK	STRAP	MIN NAILING EA SIDE OF *	MAX NAIL SPACING		MIN END LENGTH (EL)
			CASE 1	CASE 2	
				END LENGTH (EL)	REMAINDER LENGTH (RL)
A	CS16	10- 10d	10d @ 4" OC STAGGERED	FILL ALL NAIL HOLES	10d @ 4" OC STAGGERED	12"
B	CS14	13- 10d	10d @ 4" OC STAGGERED	FILL ALL NAIL HOLES	10d @ 4" OC STAGGERED	16"
C	CMSTC16	25- 10d	10d @ 3" OC STAGGERED	FILL ALL NAIL HOLES	10d @ 3" OC STAGGERED	24"
D	CMST12	43- 10d	10d @ 3" OC STAGGERED	FILL ALL NAIL HOLES	10d @ 3" OC STAGGERED	39"

NOTES:
1. CASE 1 APPLIES UNLESS END LENGTH IS NOTED ON PLANS. WHERE END LENGTH IS NOTES, SEE CASE 2.



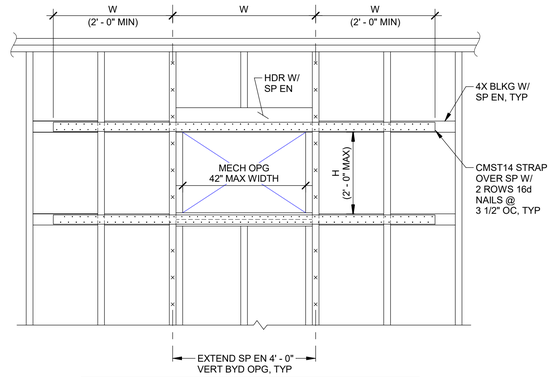
2. AS REQ, PROVIDE CLOSER NAIL SPACING TO MEET MINIMUM NAILING EACH SIDE OF *
3. LOCATE STRAPS OVER SHTHG AND BLOCK UNDER STRAP W/ FLAT 2x6 WHERE NO FRAMING OCCURS, UNO.
4. SEE PLANS FOR STRAP LENGTHS, LOCATIONS, AND DETAILS, UNO.

1 S0.10 TIE STRAP SCHEDULE
NTS



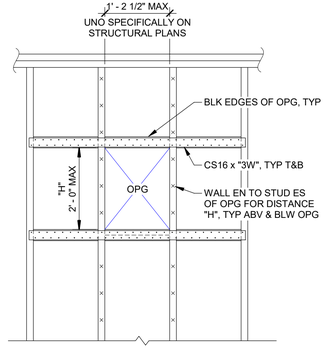
NOTE:
INSPECT IN CONFORMANCE TO AWS D1.1 SECTION 7.

2 S0.10 WELDED STUD TO PL OR HSS
NTS



NOTES:
1. NO ADDNL OPGS WITHIN 4' - 0" ALL AROUND.
2. NO OPGS PERMITTED IN SHRWLS THAT ARE 10' - 0" OR LESS IN LENGTH UNLESS SPECIFICALLY DETAILED ON THE STRUC PLANS.

3 S0.10 MECH OPG IN SHEARWALL DETAIL
NTS



NOTES:
1. OPENINGS <6" SQ DO NOT REQUIRE BLOCKING & STRAPPING.
2. NO ADDITIONAL OPENINGS WITHIN 4'-0" ALL AROUND.
3. NO OPENINGS PERMITTED IN SHEARWALL TYPE C OR HIGHER OR IN SHEARWALLS LESS THAN 10'-0" LONG UNLESS SPECIFICALLY DETAILED ON STRUCTURAL PLANS. CONTACT STRUCTURAL ENGINEER FOR ASSISTANCE.
4. FRAME OPENINGS PER 3 / S0.10 WHERE STUDS ARE INTERRUPTED.

4 S0.10 SMALL OPG IN SHEARWALL DETAIL
NTS

WMB ARCHITECTS
5757 Pacific Avenue
Suite 226
Stockton, CA 95207
2000 L Street
Suite 125
Sacramento, CA 95811
T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

WALNUT PARK LIBRARY
2700 LILLARD DR
DAVIS, CA 95618

WMB Project No. 19-022

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 150 N
SACRAMENTO, CA 95833
(916) 920-2020 WWW.CYSENG.COM
CONSULTANT - CYS Job No. 23051

REGISTERED PROFESSIONAL ENGINEER ARTHUR JEROME CYS STRUCTURAL ENGINEER STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

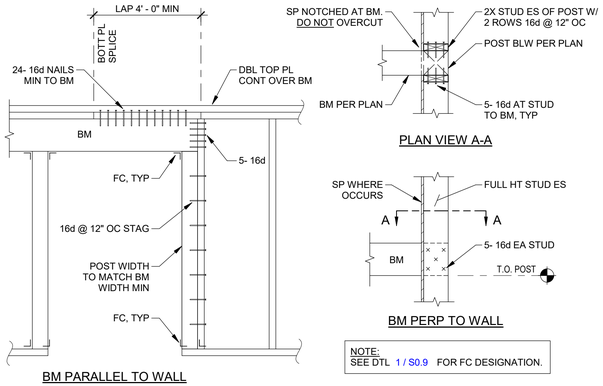
08.23.24	BID SET

TYPICAL DETAILS - WOOD

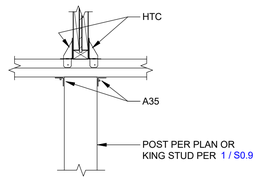
S0.10

8/22/2024 1:13:16 PM

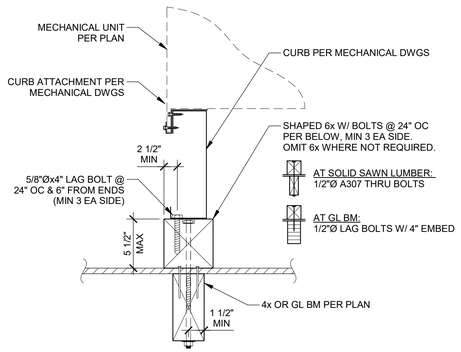
Copyright WMB, Inc.



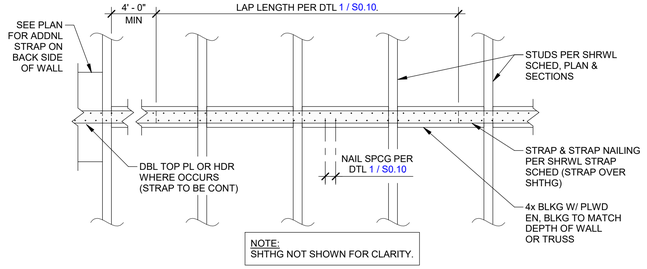
7 S0.11 TYP BM TO POST CONN DETAIL
NTS



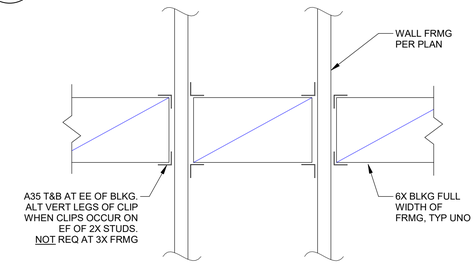
8 S0.11 POST AT NON-BEARING WALL OPENINGS
NTS



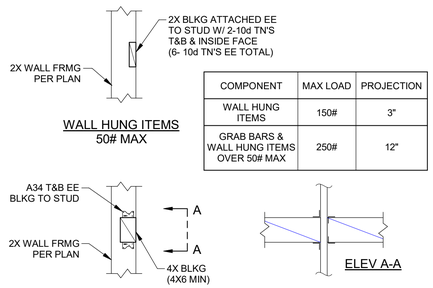
9 S0.11 MECH CURB @ 4x OR GL BM
NTS



3 S0.11 TYP STRAP SPLICE
NTS

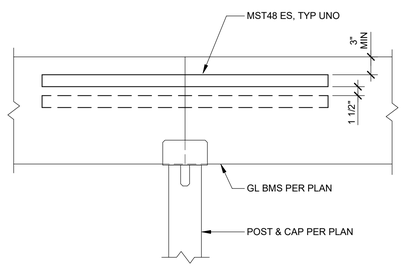


4 S0.11 WALL BLKG DETAIL
NTS



COMPONENT	MAX LOAD	PROJECTION
WALL HUNG ITEMS	150#	3"
GRAB BARS & WALL HUNG ITEMS OVER 50# MAX	250#	12"

5 S0.11 TYP WALL BACKING DETAIL
NTS



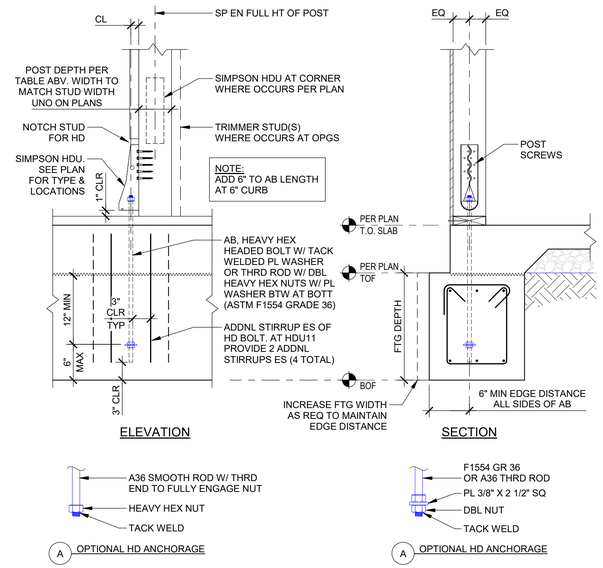
6 S0.11 POST TO GL BM
NTS

HOLDOWN SCHEDULE					
HOLDOWN MARK	HOLDOWN	AB	POST SCREWS * QUANTITY	POST DEPTH ** UNO	CL
2	HDU2-SDS2.5	5/8" Ø	6	4X	1 5/16"
4	HDU4-SDS2.5	5/8" Ø	10	4X	1 5/16"
5	HDU5-SDS2.5	5/8" Ø	14	4X	1 5/16"
8	HDU8-SDS2.5	7/8" Ø	20	6X	1 3/8"
11	HDU11-SDS2.5	1" Ø	30	6X	1 3/8"
14	HDU14-SDS2.5	1" Ø	36	6X	1 9/16"

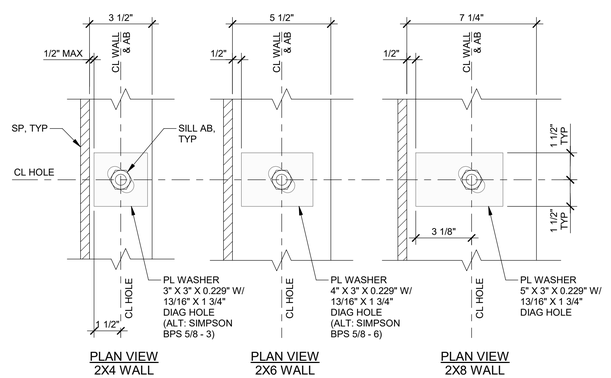
* "SIMPSON" SDS 1/4 X 2 1/2 WOOD SCREWS, TYP

** PROVIDE HD POST IF POST OR KING STUD IS NOT ALREADY INDICATED IN DWGS. STITCH 2X'S TOGETHER W/ MIN 16d @ 6" OC STAGGERED

NOTES:
1. HD ANCHOR MUST BE SECURED IN PLACE PRIOR TO FDN INSPECTION.
2. WHEN HD & POST ARE INDICATED PER PLAN AT OPG JAMBS, THE POST SHALL REPLACE THE KING STUDS REQ IN WALL OPG FRMG DTL.



1 S0.11 HOLDOWN DETAIL & SCHED
NTS



2 S0.11 STL PL WASHER AT SHRWL SILL BOLTS
3" = 1'-0"

WMB ARCHITECTS
5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

WALNUT PARK LIBRARY
2700 LILLARD DR
DAVIS, CA 95618

WMB Project No. 19-022

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 150 N
SACRAMENTO, CA 95833
(916) 920-2020 WWW.CYSENG.COM
CONSULTANT - CYS Job No. 23051

NOT FOR CONSTRUCTION

08.23.24	BID SET

TYPICAL DETAILS - WOOD

S0.11

8/22/2024 1:13:17 PM

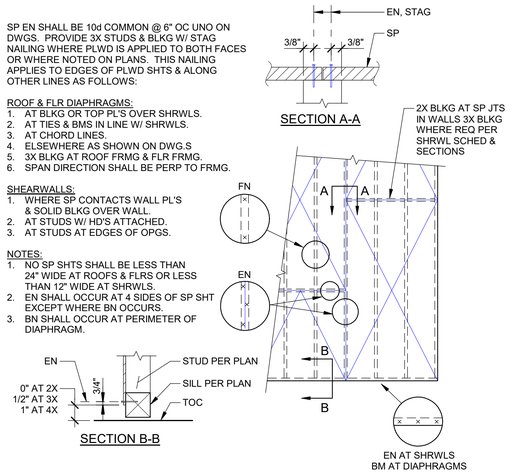
Copyright WMB, Inc.

SP EN SHALL BE 10d COMMON @ 6" OC UNO ON DWGS. PROVIDE 3X STUDS & BLKG W/ STAG NAILING WHERE PLWD IS APPLIED TO BOTH FACES OR WHERE NOTED ON PLANS. THIS NAILING APPLIES TO EDGES OF PLWD SHTS & ALONG OTHER LINES AS FOLLOWS:

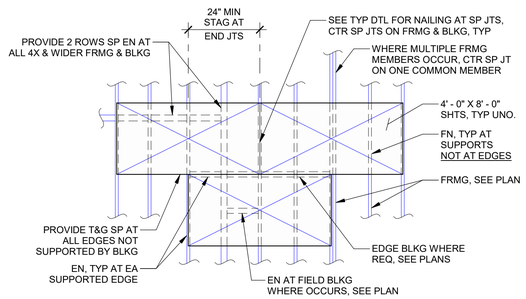
ROOF & FLR DIAPHRAGMS:
1. AT BLKG OR TOP PL'S OVER SHRWLS.
2. AT TIES & BMS IN LINE W/ SHRWLS.
3. AT CHORD LINES.
4. ELSEWHERE AS SHOWN ON DWG.S
5. 3X BLKG AT ROOF FRMG & FLR FRMG.
6. SPAN DIRECTION SHALL BE PERP TO FRMG.

SHEARWALLS:
1. WHERE SP CONTACTS WALL PL'S & SOLID BLKG OVER WALL.
2. AT STUDS W/ HD'S ATTACHED.
3. AT STUDS AT EDGES OF OPGS.

NOTES:
1. NO SP SHTS SHALL BE LESS THAN 24" WIDE AT ROOFS & FLRS OR LESS THAN 12" WIDE AT SHRWLS.
2. EN SHALL OCCUR AT 4 SIDES OF SP SHT EXCEPT WHERE BN OCCURS.
3. BN SHALL OCCUR AT PERIMETER OF DIAPHRAGM.

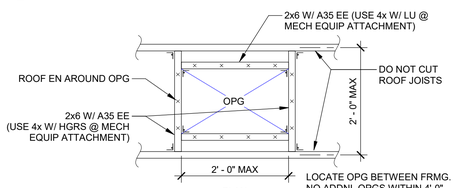


4 S0.12 STRUC PLYWD & OSB NAILING AT WALLS
NTS

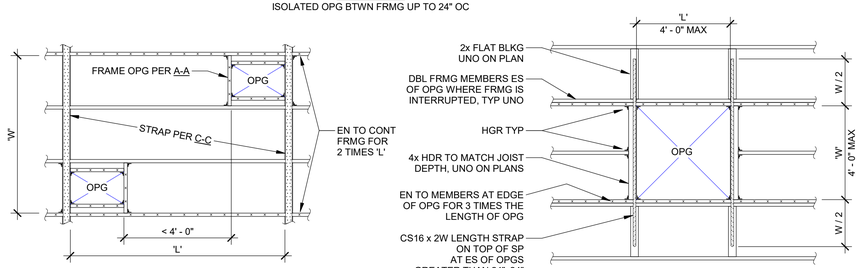


NOTES:
1. SEE PLANS FOR DIAPHRAGM NAILING SCHED, NAIL SIZE, SPCG & SP.
2. NO PANELS LESS THAN 24" IN ANY DIM SHALL BE USED, ADJUST LAYOUT AS NEEDED.
3. WHERE PLAN CALLS FOR EDGE BLKG, USE THE FOLLOWING:
   - FOR 8d SP NAILING, USE 2X4 FLAT W/ Z28 EA END W/ 2- 10d x 1 1/2"
   - FOR 10d (OR #8 WS) SP NAILING, USE 3X4 FLAT W/ Z38 EA END W/ 2- 10d x 1 1/2".

5 S0.12 ROOF DIAPHRAGM ASSEMBLY
NTS



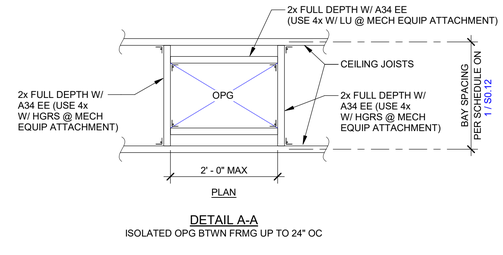
DETAIL A-A
ISOLATED OPG BTWN FRMG UP TO 24" OC



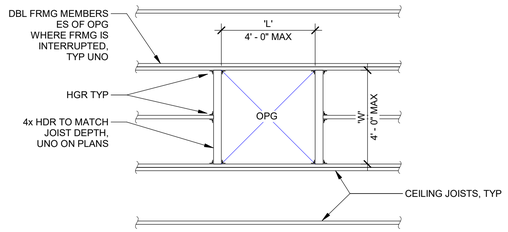
DETAIL B-B
CLOSELY SPACED OPGS BTWN FRMG

DETAIL C-C
OPG TO 48" SQUARE

6 S0.12 OPENING IN DIAPHRAGM
NTS



DETAIL A-A
ISOLATED OPG BTWN FRMG UP TO 24" OC

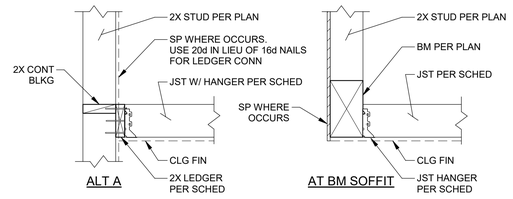


DETAIL B-B
CEILING OPG TO 48" SQUARE

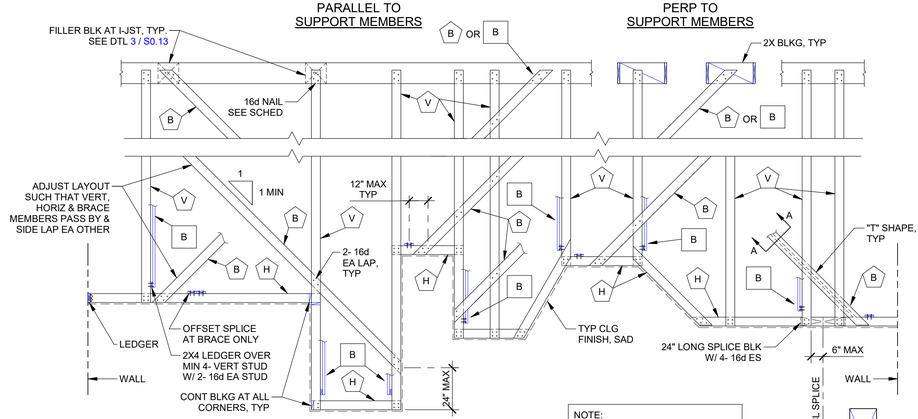
3 S0.12 OPENINGS IN HARD LID CLG
NTS

MAX SPAN	JST SIZE	HANGER	LEDGER
8' - 0"	2X4 @ 16" OC	LU24	2X4 W/ 2- 16d EA STUD
12' - 0"	2X6 @ 16" OC	LU26	2X6 W/ 3- 16d EA STUD
16' - 0"	2X10 @ 12" OC	LU28	2X10 W/ 4- 16d EA STUD

1. JSTS SHALL BE DF-L #2 OR BETTER.
2. THIS TABLE SHALL NOT BE USED IF:
   - CLG IS OVER A STAGE.
   - STUCCO IS USED.
3. DESIGN CRITERIA: DL = 15 PSF & LL = 10 PSF. ADDNL LOAD DUE TO MEP ETC. MUST BE APPROVED BY THE EOR.
4. PROVIDE FULL DEPTH BLKG AT MID-SPAN FOR SPANS GREATER THAN 8' - 0".



1 S0.12 HARD CLG FRMG SCHED & DETAIL
NTS



SECTION A-A
NTS

NOTE:
SEE SCHED FOR SPANS & CONNS.

MEMBER	MAX MEMBER SPCG	MAX MEMBER LENGTH	CONN
LEDGER	- - - -	- - - -	2-16d @ 16" OC AT WOOD STUDS
B	AT VERT MEMBERS: NOT TO EXCEED 9' - 0" OC PERP TO BRACE	< 6' - 0"	4- 16d
		6' - 1" TO 14' - 0" DBL 2X4 "T" SHAPE BRACE **	
B	6' - 0" PERP TO BRACE	< 6' - 0"	4- 16d
	14' - 0" IN LINE W/ BRACE	6' - 1" TO 14' - 0" DBL 2X4 "T" SHAPE BRACE **	
H	24"	7' - 0"	4- 16d OR "LUS" HANGER
		9' - 0" *	
V	24"	8' - 0"	4- 16d

SCHEDULE ASSUMES:
- 2X4 DF #1 MEMBERS, UNO
- 15.0 PSF DL + 10 PSF LL
- MAX DL DEFLECTION = L / 360

* 2X6 DF #1

** REQUIRES DBL 2X4 W/ 16d AT 12" OC, STITCH NAILING IN "T" SHAPE

*** DO NOT CUT (E) REINF. INSTALL IN HORIZ MORTAR JT OR FACE SHELL

NOTE:
BRACES REQ AT ALL VERT OFFSETS.
ALT DIRECTION OF BRACE WHERE POSSIBLE.

2 S0.12 TYP SOFFIT FRMG SCHED & DETAIL
NTS

WMB ARCHITECTS
5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

WALNUT PARK LIBRARY
2700 LILLARD DR
DAVIS, CA 95618

WMB Project No. 19-022

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 150 N
SACRAMENTO, CA. 95833
(916) 920-2020 WWW.CYSENG.COM

CONSULTANT - CYS Job No. 23051

NOT FOR CONSTRUCTION

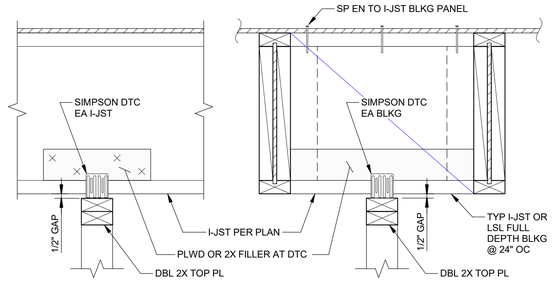
08.23.24	BID SET

TYPICAL DETAILS - WOOD

S0.12

8/22/2024 1:13:18 PM

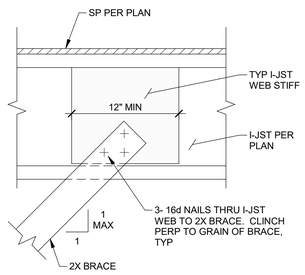
Copyright WMB, Inc.



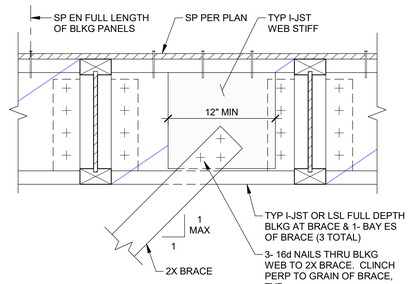
WALL PERP TO I-JSTS WALL PARALLEL TO I-JSTS

4 S0.13 T.O. FULL HT NON-BRG WALL AT I-JSTS

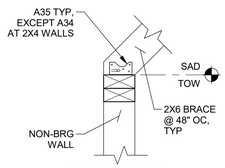
NTS



PARALLEL TO I-JST FRMG



PERP TO I-JST FRMG

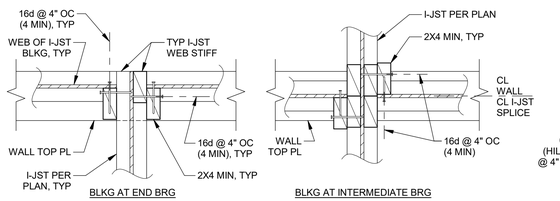


AT TOP OF WALL

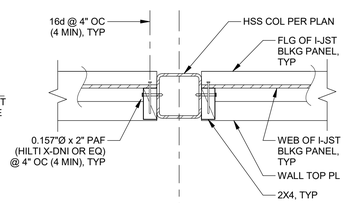
NOTE:
ALIGN PARTITIONS & INSTALL PERMANENT CONNS FOR BRCG AFTER ROOFING & SIGNIFICANT MECH EQUIP IS INSTALLED.

5 S0.13 TYP BRACING OF PARTIAL HT WALL AT I-JST FRMG

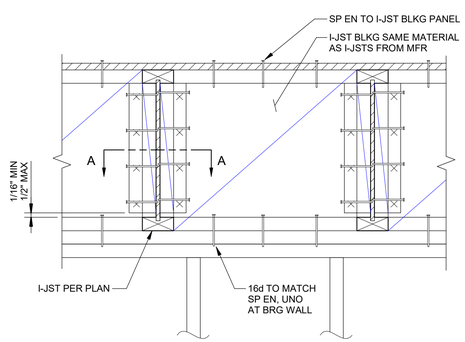
NTS



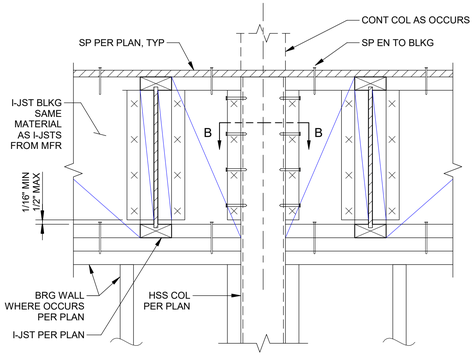
SECTION A-A



SECTION B-B



BLKG AT BRG WALL



BLKG AT HSS COL

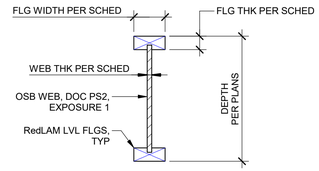
6 S0.13 TYP I-JST BLKG AT BRG WALL

NTS

MIN SECTION PROPERTIES			
MEMBER	FLG THK (IN)	FLG WIDTH (IN)	WEB THK (IN)
Red-I65	1 1/2	2 1/2	7/16
Red-I90	1 1/2	3 1/2	7/16
Red-I90H	1 3/4	3 1/2	7/16
Red-I90HS	2 1/2	3 1/2	1/2

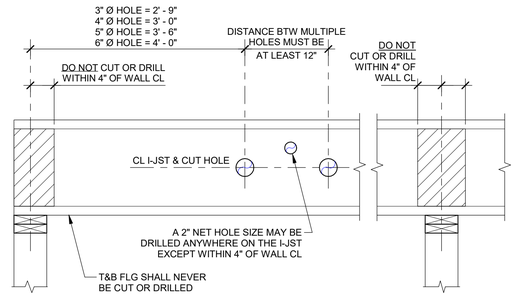
NOTES:

1. SEE ICC-ES ESR-2993 & ESR-2994 FOR ADDNL INFO.
2. I-JOISTS SHALL BE MANUFACTURED BY "RedBUILT" OR APPROVED EQ.



1 S0.13 I-JOIST PROPERTIES

NTS



NOTE: THE I-JST MFR'S HOLE RECOMMENDATIONS SHALL GOVERN OVER THESE PROVISIONS.

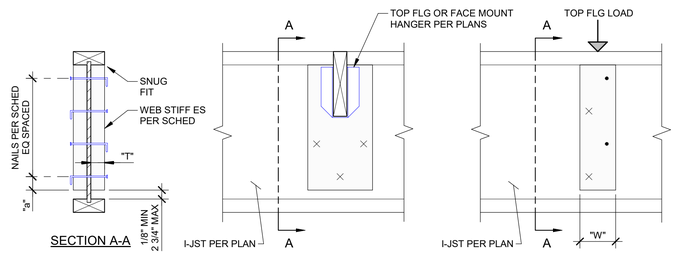
2 S0.13 I-JST CUT / DRILLED HOLE REQUIREMENTS

NTS

WEB STIFFENER SIZE & NAILING SCHEDULE					
JOIST SERIES	MIN STIFFENER "T" X "W"	MATERIAL	EDGE DIM "a"	JOIST DEPTH	
				16"	20"
Red-I65	7/8" x 2 5/16"	SHTHG (PS1 OR PS2) W/ FACE GRAIN VERTICAL	1"	8- 8d	8- 8d
Red-I90	2X4	CONSTRUCTION GRADE OR BETTER LUMBER	1 1/2"	5- 16d	5- 16d
Red-I90H					
Red-I90HS	1 1/2" x 3 1/2"	LSL OR LVL	1"	10- 16d	10- 16d

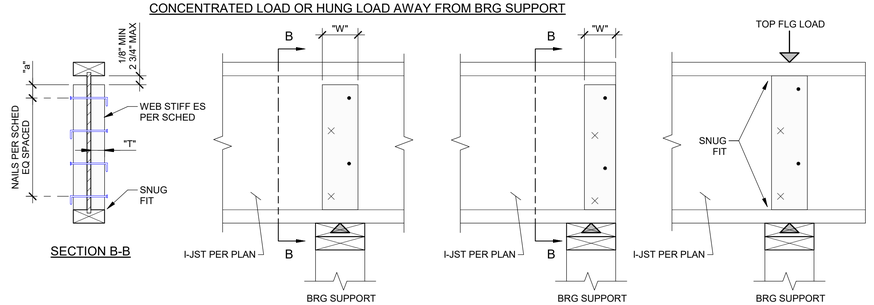
NOTES:

1. WEB STIFFENERS REQ ES OF I-JSTS AT ALL BRG PTS & CONCENTRATED PT LOADS.
2. WEB STIFFENERS SHALL REMAIN VERTICAL AT SLOPED I-JSTS (CONDITION NOT SHOWN).
3. CLINCH NAILS PERP TO FACE GRAIN AS REQ.
4. WEB STIFFENER MIN THK SHALL BE PER ICC-ES ESR-2994.



SECTION A-A

CONCENTRATED LOAD OR HUNG LOAD AWAY FROM BRG SUPPORT



SECTION B-B

INTERMEDIATE BRG SUPPORT

END BRG OR HANGER SUPPORT

CONCENTRATED LOAD OR HUNG LOAD AT BRG SUPPORT

3 S0.13 TYP I-JST WEB STIFF & NAILING

NTS

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

WALNUT PARK LIBRARY
2700 LILLARD DR
DAVIS, CA 95618

WMB Project No. 19-022

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 150 N
SACRAMENTO, CA. 95833
(916) 920-2020 WWW.CYSENG.COM

CONSULTANT - CYS Job No. 23051

NOT FOR CONSTRUCTION

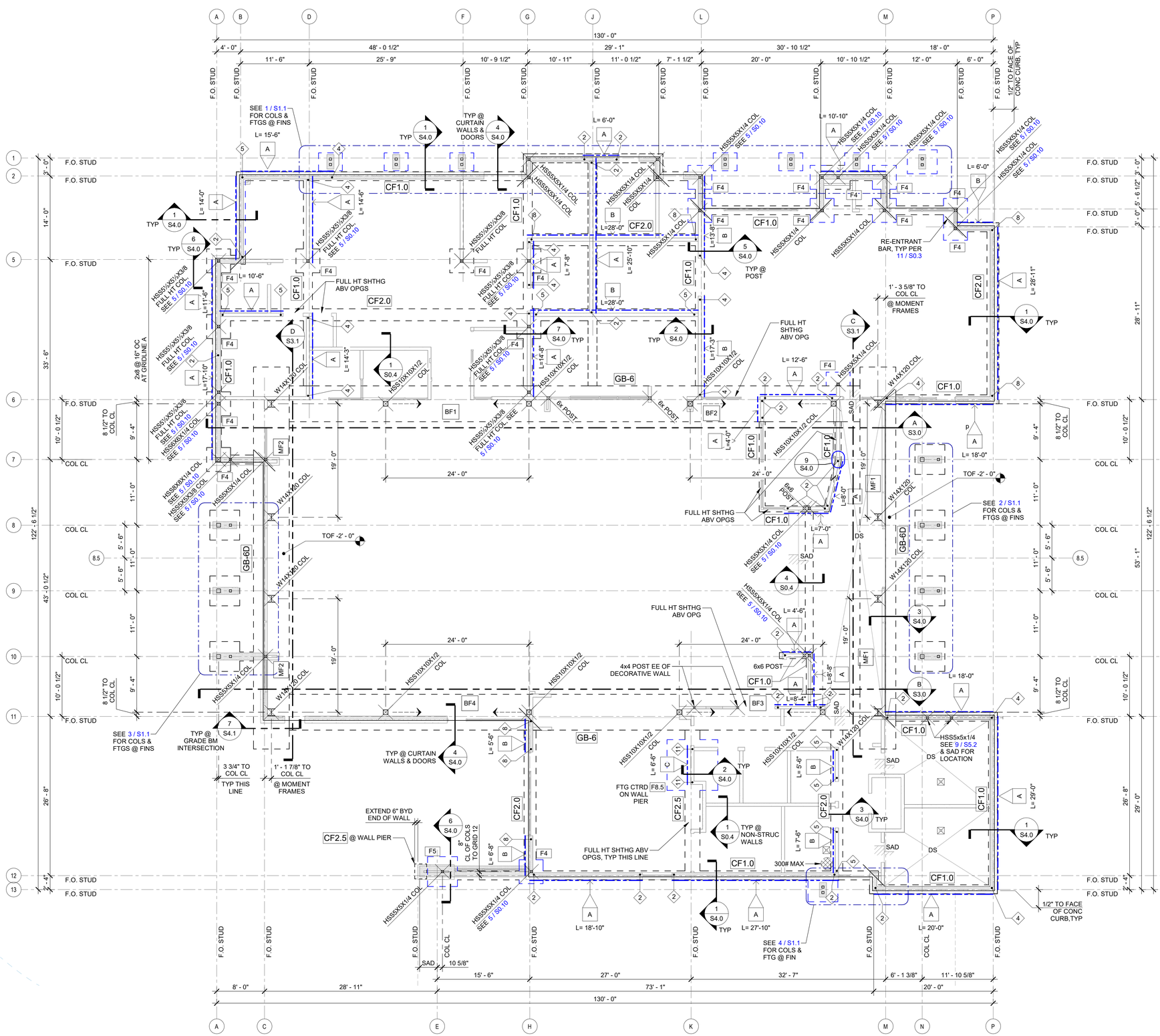
08.23.24	BID SET

TYPICAL DETAILS - WOOD I-JOISTS

S0.13

8/22/2024 1:13:19 PM

Copyright WMB, Inc.



FOUNDATION PLAN

1/8" = 1'-0"

FOUNDATION NOTES

1. SEE S0xx SHEETS FOR GENERAL NOTES & TYPICAL DETAILS.
2. SEE S3xx SHEETS FOR WALL ELEVS.
3. SEE CIVIL DWGS, GEOTECHICAL REPORT & SPECS FOR SUB-GRADE RECOMMENDATIONS.
4. DIMS ARE TO FOS OR CENTERLINE OF COLS, TYP UNO.
5. SAD FOR DIMS, EXTENT & NATURE OF ALL WALLS, ADDNL EMBEDS.
6. TOC SLAB ELEV = 0' - 0" (DATUM ELEV), UNO
   SOG IS 5" THK CONC W/ #4 @ 16" OC EW AT MID-DEPTH (UNO) OVER 15 MIL VAPOR BARRIER (ASTM E1745-97 CLASS A OR B) OVER 4" CRUSHED ROCK (1/2 OR 3/4 INCH, W/ NO MORE THAN 5 PERCENT PASSING THE NO. 200 SIEVE), TYP UNO. SEE PLAN FOR TOC SLAB ELEVS.
7. TOP OF FTG ELEV (TOF) = - 1' - 0" TYP UNO. SAD & OTHER CONSULTANT DWGS FOR UTILITIES THAT WILL AFFECT FTGS & COMPLY W/ TYPICAL DETAILS.
8. SOG CJ LOCATIONS SHALL BE SUBMITTED BY THE CONTRACTOR AND REVIEWED BY THE ARCHITECT / ENGINEER PRIOR TO PLACEMENT OF CONC PER DTL 4 / S0.3 .
9. EXTR CONC FLATWORK IS NOT SHOWN. SEE CIVIL & ARCH DWGS.
10. PROVIDE 3" MIN CONC COVER AT ALL COLS, AB'S & BASE PLATES BLW GRD, TYP.

FOUNDATION LEGEND

- WOOD POST, WF, OR HSS COL PER PLAN
- INDICATES MIN LENGTH OF SHRWL
- INDICATES SHRWL MARK
- PERFORATED (p) SHRWL, SEE 8 / S0.10 OR STRAPPED (s) SHRWL, SEE 7 / S0.10
- INDICATES SHEARWALL LOCATION
- INDICATES 2x6 @ 16" OC WOOD STUD WALL, UNO.
- SHADING INDICATES 6" TALL CONC CURB (ELEV = +0' - 6"), SAD
- INDICATES HOLDOWN PER HOLDOWN SCHEDULE, SEE 1 / S0.11
- CF-X — CONT FTG MARK PER "CONTINUOUS FOOTING SCHEDULE" THIS SHT
- Fxx — PAD FTG MARK PER "PAD FOOTING SCHEDULE" THIS SHT
- INDICATES STRUC WOOD STUD WALL, 2X6 @ 16" OC, TYP UNO
- INDICATES NON- STRUC WOOD STUD WALL
- BFx — INDICATES BRACE FRAME, SEE SHEETS S4.2 & S4.3
- MFx — INDICATES MOMENT FRAME, SEE SHEET S4.1
- INDICATES SLAB STEP. VERIFY EXTENT & DEPTH W/ ARCH DWGS
- DS — INDICATES DEPRESSED SLAB (DS) OR SLOPING SLAB (SS). SAD AND SPD FOR LOCATIONS, DEPTH, AND SLOPE INFORMATION. SEE 8 / S0.3
- SS
- INDICATES SLOPED SLAB TO DRAIN. SAD, SPD, AND SFD FOR LOCATIONS.
- INDICATES APPROX SIZE, LOCATION, & MAX WT OF EQUIP PER MECH DWGS. SEE ARCH & MECH DWGS FOR EQUIP INFO & ANCHORAGE.

PAD FOOTING SCHEDULE

MARK	SIZE	THK	REINF
F4	4' - 0" SQ	1' - 6"	5- #5 EW T&B
F5	5' - 0" SQ	1' - 6"	5- #6 EW T&B
F8.5	8' - 6" SQ	1' - 6"	9- #6 EW T&B

NOTES:
1. PAD FTGS SHALL BE CTRD UNDER COLS / POSTS, TYP UNO.
2. FOR TYP DTL OF PAD FTG AT WOOD POST, SEE DTL 5 / S4.0.
3. FOR TYP DTL OF PAD FTG AT STL COL, SEE DTLS 6 / S4.0, 7 / S4.0 , OR 8 / S4.0.

CONTINUOUS FOOTING SCHEDULE

MARK	WIDTH	DEPTH	LONG REINF	TRANS REINF
CF1.0	1' - 0"	1' - 6"	2- #5 CONT T&B	#3 TIES @ 32" OC
CF1.5	1' - 6"	1' - 6"	2- #5 CONT T&B	#3 TIES @ 32" OC
CF2.0	2' - 0"	1' - 6"	3- #5 CONT T&B	#3 TIES @ 32" OC
CF2.5	2' - 6"	1' - 6"	4- #5 CONT T&B	#3 TIES @ 32" OC
GB-6	6' - 0"	2' - 6"	SEE 2 / S4.3 FOR REINF. TOF -1' - 0"	
GB-6D	6' - 0"	2' - 6"	SEE 2 / S4.1 FOR REINF. TOF -2' - 0"	

NOTES:
1. CONT FTGS ARE CF1.0 TYP, UNO.
2. CONT FTGS SHALL BE CTRD UNDER WALLS, TYP UNO.
3. LONG REINF TO BE CONT THRU PAD FTGS, TYP WHERE OCCURS, UNO.
4. FOR TYP DTL OF CONT FTGS AT EXTR WALLS, SEE DTL 1 / S4.0, 3 / S4.0, OR 4 / S4.0.
5. FOR TYP DTLS OF CONT FTGS AT INTR WALLS, SEE DTL 2 / S4.0 .

SHEARWALL SCHEDULE

MARK	SHEATHING	SHEATHING EDGE NAILING (EN)	STUDS AT PANEL EDGE (& BLKG AT UNSUPPORTED PANEL EDGES)	SILL PL SIZE	SILL AB AT CONC FLR (7)	ALLOWABLE SHEARWALL CAPACITY	
						SEISMIC	WIND
A	15/32" STRUCT 1	10d @ 6" OC	2X	2X	5/8" AB @ 32" OC	340 PLF	475 PLF
B	15/32" STRUCT 1	10d @ 4" OC	3X	3X	5/8" AB @ 32" OC	510 PLF	715 PLF
C	15/32" STRUCT 1	10d @ 3" OC	3X	3X	5/8" AB @ 24" OC	665 PLF	930 PLF

NOTES:
1. NAILS SHALL BE 10d COMMON WIRE NAILS W/ 0.148" Ø SHANK DIA X 3" LONG. INSTALL W/ 1 1/2" MIN PENETRATION & STAGGERED ES OF JT W/O CRUSHING OF FACE PLIES.
2. EN OCCURS AT EVERY PANEL EDGE. FN SHALL BE 10d @ 12" OC.
3. BLK ALL PANEL EDGES W/ FULL STUD DEPTH BLKG OF THK SPECIFIED.
4. PRE-DRILL HOLES FOR NAILS AS REQ TO PREVENT SPLITS AT SILL PL'S OR FRMG TO WHICH SILL PL'S ARE NAILED.
5. ALL RIM BOARDS & RIM BLKG SHALL BE LSL "TIMBERSTRAND" MATERIAL, UNO.
6. WHERE SP OCCURS AT BOTH SIDES OF WALL, STAG JTS SO THAT NO TWO FALL ON THE SAME STUD OR BLKG.
7. AB'S SHALL HAVE 7" MIN EMBEDMENT IN CONC, PLUS CURB HT WHERE OCCURS.
8. EXTR STRUC WALLS NOT IDENTIFIED AS SHRWLS SHALL BE SHEATHED W/ 15/32" SP W/ 6" OC EN & 12" OC FN.
9. LENGTHS INDICATED ON SHRWL PLANS OR SHRWL ELEVS ARE MINS. VERIFY SHRWL LENGTHS W/ ARCH DWGS & NOTIFY SEOR PRIOR TO CONSTR IF MIN REQ SHRWL LENGTH CANNOT BE ACHIEVED.
10. PROVIDE STRAPPING ABV & BLW SHRWL OPGS WHERE NOTED ON PLANS OR SHRWL ELEVS.
11. ALL SHRWLS SHALL HAVE SILL AB'S W/ STL PL WASHERS & STD CUT WASHERS. THE STL PL WASHERS SHALL COMPLY & BE INSTALLED IN ACCORDANCE W/ DTL 2 / S0.11 .

WMB ARCHITECTS
5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

WALNUT PARK LIBRARY
2700 LILLARD DR
DAVIS, CA 95618

WMB Project No. 19-022

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 150 N
SACRAMENTO, CA 95833
(916) 920-2020 WWW.CYSENG.COM
CONSULTANT - CYS Job No. 23051

REGISTERED PROFESSIONAL ENGINEER — STRUCTURAL — STATE OF CALIFORNIA — NOT FOR CONSTRUCTION

08.23.24	BID SET

FOUNDATION PLAN

S1.0

8/22/2024 1:13:23 PM

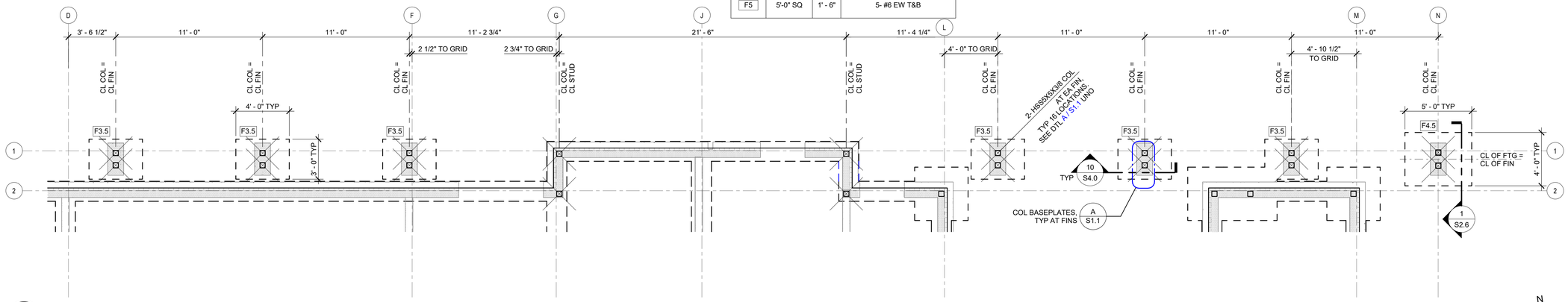
Copyright WMB, Inc.

PAD FOOTING SCHEDULE			
MARK	SIZE	THK	REINF
F3.5	3'-0" x 4'-0"	1' - 6"	3- #5 LONGITUDINAL T&B & 4- #5 TRANSVERSE T&B
F4.5	4'-0" x 5'-0"	1' - 6"	4- #5 LONGITUDINAL T&B & 5- #5 TRANSVERSE T&B
F5	5'-0" SQ	1' - 6"	5- #6 EW T&B

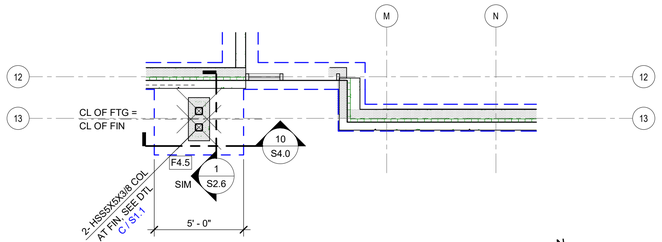
NOTES:
1. PAD FTGS SHALL BE CTRD UNDER COLS / POSTS, TYP UNO.
2. FOR TYP DTL OF PAD FTG AT WOOD POST, SEE DTL 5 / S4.0.
3. FOR TYP DTL OF PAD FTG AT STL COL, SEE DTLS 6 / S4.0, 7 / S4.0, OR 8 / S4.0.

SHEET NOTES

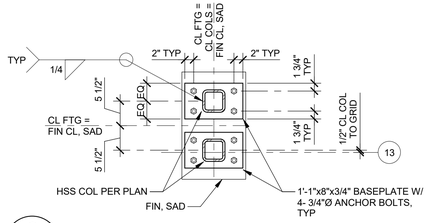
1. REFER TO SHEET S1.0 FOR ALL NOTES AND INFO NOT SHOWN ON THESE PLANS.
2. FOR CONTINUOUS FOOTING SIZE AND REINFORCING, SEE CONTINUOUS FOOTING SCHEDULE ON SHEET S1.0.



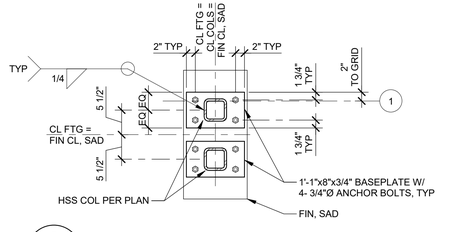
1 / S1.1 FOUNDATION PLAN AT FINS - NORTH SIDE
1/4" = 1'-0"



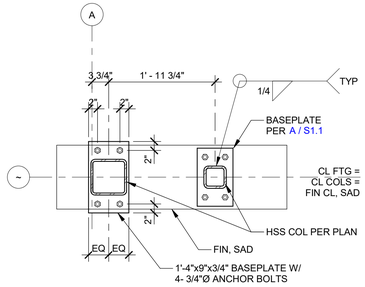
4 / S1.1 FOUNDATION PLAN AT FINS - SOUTH SIDE
1/4" = 1'-0"



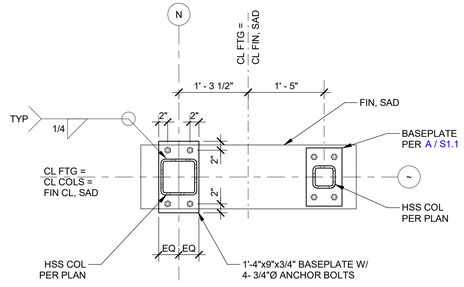
C / S1.1 BASEPLATE DETAIL
3/4" = 1'-0"



A / S1.1 BASEPLATE DETAIL
3/4" = 1'-0"



D / S1.1 BASEPLATE DETAIL
3/4" = 1'-0"



B / S1.1 BASEPLATE DETAIL
3/4" = 1'-0"

3 / S1.1 FOUNDATION PLAN AT FINS - WEST SIDE
1/4" = 1'-0"

2 / S1.1 FOUNDATION PLAN AT FINS - EAST SIDE
1/4" = 1'-0"

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

WALNUT PARK LIBRARY
2700 LILLARD DR
DAVIS, CA 95618

WMB Project No. 19-022

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 150 N
SACRAMENTO, CA 95833
(916) 920-2020 WWW.CYSENG.COM

CONSULTANT - CYS Job No. 23051

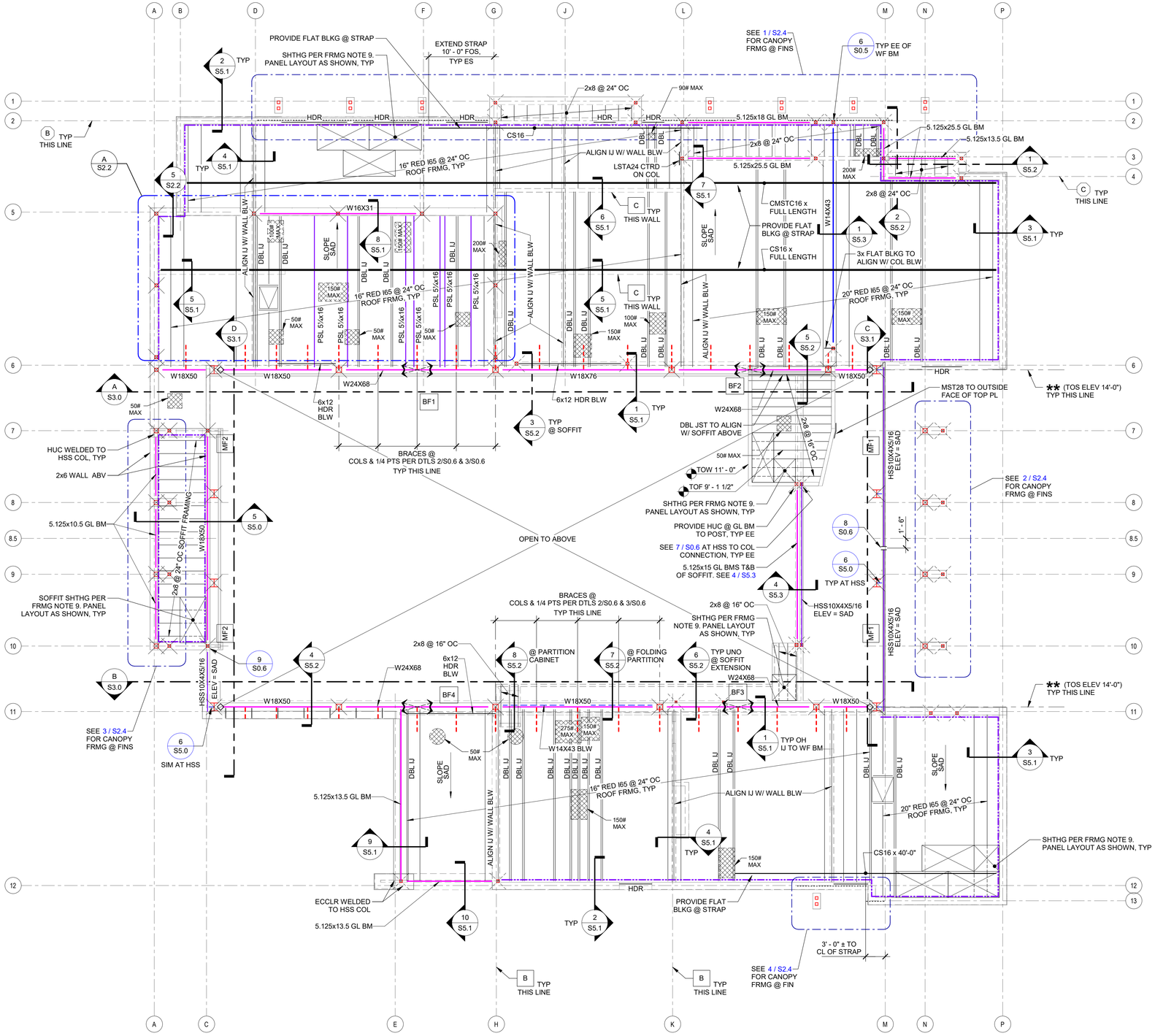
REGISTERED PROFESSIONAL ENGINEER ARTHUR TOM STRUCTURAL OF CALIFORNIA NOT FOR CONSTRUCTION

08.23.24	BID SET

FOUNDATION PLANS AT EXTERIOR FINS

S1.1

8/22/2024 1:13:25 PM Copyright WMB, Inc.



LOW ROOF FRAMING PLAN

1/8" = 1'-0"

LOW ROOF FRAMING NOTES

1. SEE S0x SHEETS FOR GENERAL NOTES & TYPICAL DETAILS.
2. SAD FOR DIMS, EXTENT, AND NATURE OF ALL WALLS.
3. SAD FOR DIMS, ROOF SLOPES, PARAPETS, OPGS, DRAINS, CANTILEVER, CRICKETS & FOR ROOF DRAINAGE, ETC. NOT LOCATED ON STRUC DWGS.
4. DIMS ARE TO FACE OF STUD OR CENTERLINE OF COLS/POSTS, UNO.
5. BM CENTERLINES SHALL ALIGN W/ WALL / COLUMN CENTERLINES, UNO.
6. SPLICE TOP PLATES PER TYPICAL DETAIL 7 / S0.9 , UNO.
7. LEDGER SPLICE PER TYPICAL DETAIL 8 / S0.9, UNO.
8. PROVIDE LATERAL BRACING TO I-JOISTS PER MANUFACTURER'S REQUIREMENTS.
9. ROOF SHTHG TO BE 15/32" APA RATED SHEATHING (48/24) EXP 1. NAIL TO FRMG W/ 10d @ 6" OC EDGE NAILING & 12" OC FIELD NAILING UNO. BLKG NOT REQUIRED UNLESS NOTED ON PLANS OR REQUIRED BY I-JOIST MANUFACTURER.
10. NON-BRG WALLS NOT SHOWN ON ROOF PLAN, ATTACHMENT PER 4 / S0.13. SAD FOR LOCATIONS.

LOW ROOF FRAMING LEGEND

- DASHED LINES INDICATE WOOD POST OR HSS COL BLW PER FDN PLAN
- SOLID LINES INDICATE WOOD POST UP OR FULL HT HSS COL PER FDN PLAN
- INDICATES FULL HT WF COL PER FDN PLAN
- INDICATES WOOD BRG WALL / SHEARWALL BLW
- INDICATES PARAPET WALL OR BRG WALL ABV
- HDR — INDICATES BRG WALL HEADER PER DTL 1 / S0.9
- WF BM c=2" — INDICATES BM SIZE & UPWARD CAMBER. WHERE NO CAMBER IS SPECIFIED, FABRICATE BEAM WITH NATURAL CAMBER UP.
- INDICATES STL BEAM BRACE AT 1/3 POINTS PER DTLS 2 / S0.6 & 3 / S0.6
- INDICATES LVL LEDGER 1 3/4" x FULL DEPTH, TYP UNO
- INDICATES CONNECTION PER DTL 7 / S0.7
- INDICATES BRACE FRAME PER PLAN, SEE SHEETS S4.2 & S4.3
- BFx — BRACE FRAME MARK, SEE SHEETS S4.2 & S4.3
- MFx — MOMENT FRAME MARK, SEE SHEETS S4.1
- ** — INDICATES "SLIP-CRITICAL" BOLTED CONNECTIONS ON BRACED FRAME LINES, SEE DTLS 5 / S0.7 & 6 / S0.7
- INDICATES SHEATHING PER SHEET NOTE 9 AND PANEL LAYOUT ORIENTATION AS SHOWN
- WT# — INDICATES APPROX SIZE, LOCATION & MAX WT OF MECH UNIT INCLUDING CURB WT. COORD EXACT LOCATION OF EQUIP W/ MECH DWGS. WHERE MECH UNIT OF LOCATION DIFFERS FROM STRUC DWGS. NOTIFY SE PRIOR TO UNIT PLACEMENT. SEE ARCH & MECH DWGS FOR EQUIP INFO & ANCHORAGE.
- X — INDICATES LEDGER OR RIM SPLICE PER DTL 8 / S0.9
- X — INDICATES TOP PLATE SPLICE PER DTL 7 / S0.9

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

WALNUT PARK LIBRARY
2700 LILLARD DR
DAVIS, CA 95618

WMB Project No. 19-022

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 150 N
SACRAMENTO, CA 95833
(916) 920-2020 WWW.CYSENG.COM
CONSULTANT - CYS Job No. 23051

REGISTERED PROFESSIONAL ENGINEER — JAMES M. CHRISTENSEN — No. S 5802 — STRUCTURAL — STATE OF CALIFORNIA

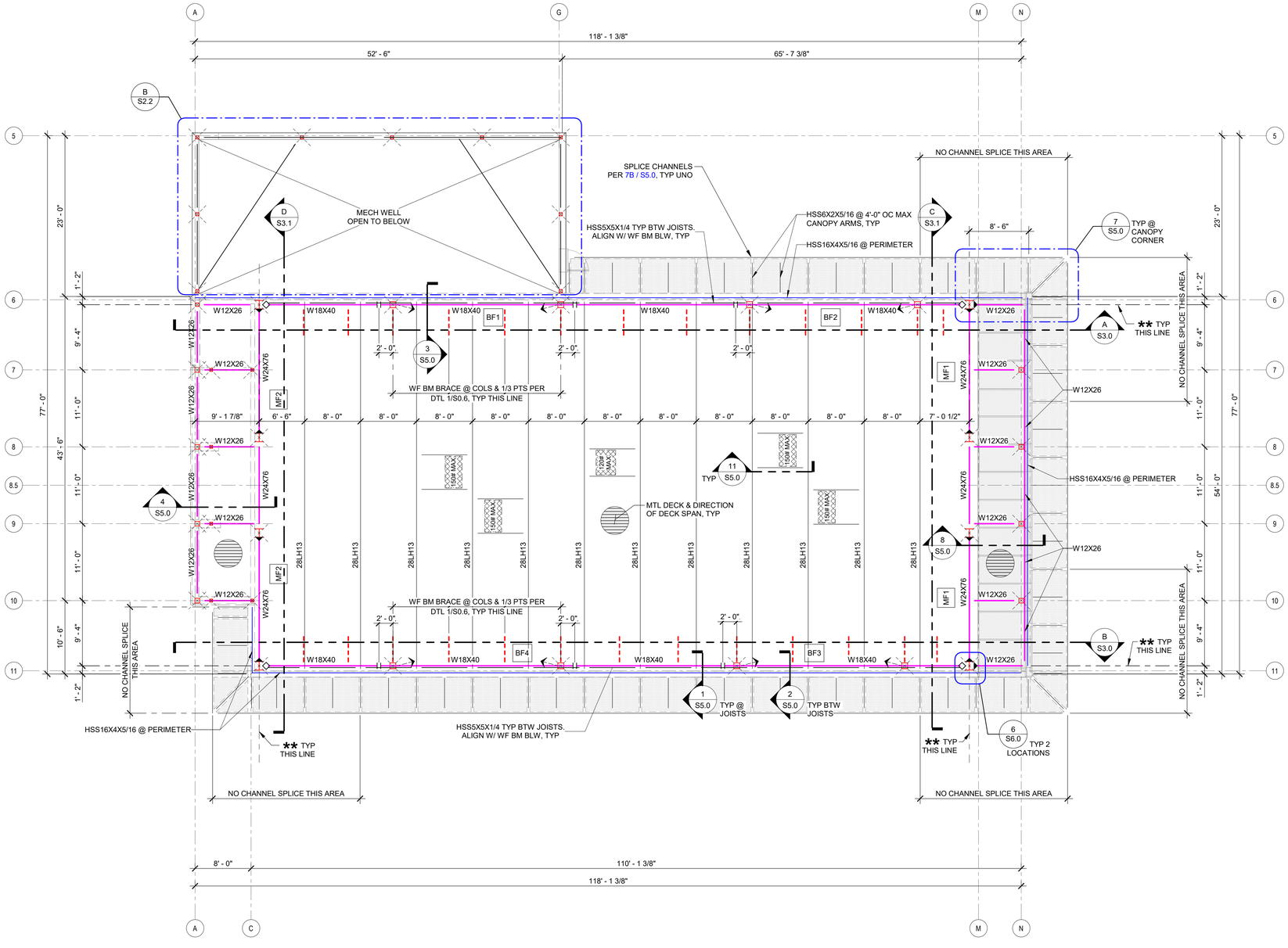
NOT FOR CONSTRUCTION

08.23.24	BID SET

LOW ROOF FRAMING PLAN

S2.0

8/22/2024 1:13:28 PM Copyright WMB, Inc.



NOTE:
TYPICAL TOP OF STEEL = + 22' - 5"
TOP OF W18X40 = + 22' - 0"

HIGH ROOF FRAMING PLAN

1/8" = 1'-0"

HIGH ROOF FRAMING NOTES

1. SEE S0x SHEETS FOR GENERAL NOTES & TYPICAL DETAILS.
2. SAD FOR DIMS, EXTENT, AND NATURE OF ALL WALLS.
3. SAD FOR DIMS, ROOF SLOPES, PARAPETS, OPGS, DRAINS, CANTILEVER, CRICKETS & FOR ROOF DRAINAGE, ETC. NOT LOCATED ON STRUC DWGS.
4. DIMS ARE TO FACE OF STUD OR CENTERLINE OF COLS/POSTS, UNO.
5. BM CENTERLINES SHALL ALIGN W/ WALL / COLUMN CENTERLINES, UNO.
6. MECHANICAL, ELECTRICAL, AND PLUMBING PENETRATIONS THROUGH WALLS, ROOFS, OR FLOORS SHALL BE PER TYPICAL DTLS UNLESS SHOWN AND DETAILED ON THE STRUCTURAL PLANS. NOTIFY THE ARCHITECT / ENGINEER PRIOR TO ANY INSTALLATION NOT CONFORMING TO THESE DETAILS.
7. FIRE PROTECTION SYSTEM SUPPORTS TO BE LOCATED TO MAINTAIN A MAXIMUM OF 2- 500# MAX POINT LOADS WITH 15'-0" MINIMUM SEPARATION TO ANY STEEL BEAM. NO SUPPORTS TO BE HUNG FROM METAL DECKING.

HIGH ROOF FRAMING LEGEND

- DASHED LINES INDICATE WOOD POST OR HSS COL BLW PER FDN PLAN
- INDICATES WF COL BLW PER FDN PLAN
- INDICATES WOOD BRG WALL / SHEARWALL BLW
- INDICATES MTL DECK & FLUTE (DECK SPAN) DIRECTION OF MTL DECK. SEE MTL DECK & WELDING SCHED ON SHEET S0.2 FOR DECK INFO
- WF BM c=2" — INDICATES BM SIZE & UPWARD CAMBER. WHERE NO CAMBER IS SPECIFIED, FABRICATE BEAM WITH NATURAL CAMBER UP.
- INDICATES BEAM SPLICE PER DTL 8 / S0.7
- INDICATES STL BEAM BRACE AT 1/3 POINTS PER DTL 1 / S0.6
- INDICATES MOMENT CONNECTION
- INDICATES CONNECTION PER DTL 7 / S0.7
- INDICATES BRACE FRAME DOWN PER PLAN, SEE SHEET S6.0
- BFx — BRACE FRAME MARK, SEE SHEETS S4.2 & S4.3
- MFx — MOMENT FRAME MARK, SEE SHEETS S4.1
- ** — INDICATES "SLIP-CRITICAL" BOLTED CONNECTIONS ON BRACED FRAME LINES, SEE SHEET S0.7
- INDICATES SHEATHING PER SHEET NOTE 8 AND PANEL LAYOUT ORIENTATION AS SHOWN
- WT# — INDICATES APPROX SIZE, LOCATION & MAX WT OF MECH UNIT INCLUDING CURB WT. COORD EXACT LOCATION OF EQUIP W/ MECH DWGS. WHERE MECH UNIT OF LOCATION DIFFERS FROM STRUC DWGS, NOTIFY SE PRIOR TO UNIT PLACEMENT. SEE ARCH & MECH DWGS FOR EQUIP INFO & ANCHORAGE.
- INDICATES CANOPY CHANNELS AND HSS ARMS. SEE 7 / S5.0 FOR FRMG

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

WALNUT PARK LIBRARY
2700 LILLARD DR
DAVIS, CA 95618

WMB Project No. 19-022

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 150 N
SACRAMENTO, CA 95833
(916) 920-2020 WWW.CYSENG.COM

CONSULTANT - CYS Job No. 23051

REGISTERED PROFESSIONAL ENGINEER ARTHUR JEROME MEEN STRUCTURAL STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

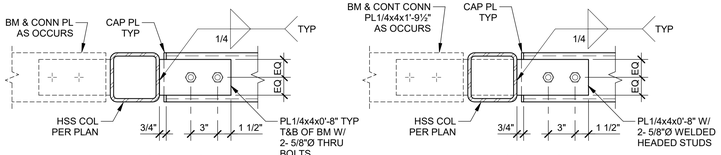
08.23.24	BID SET

HIGH ROOF FRAMING PLAN

S2.1

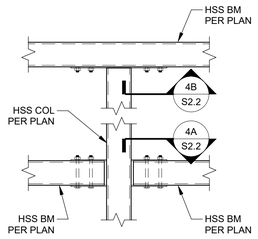
[redacted]

8/22/2024 1:13:31 PM Copyright WMB, Inc.

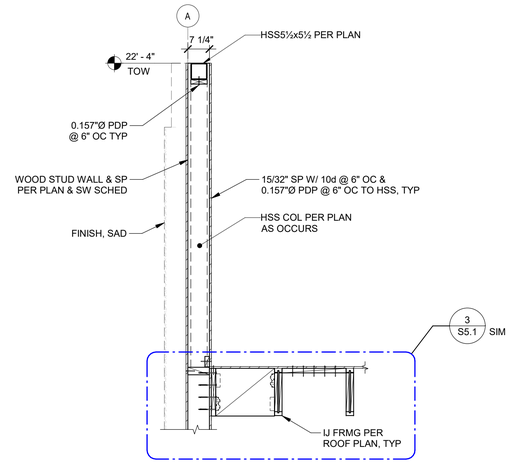


CONDITION A
THRU BOLT CONNECTION

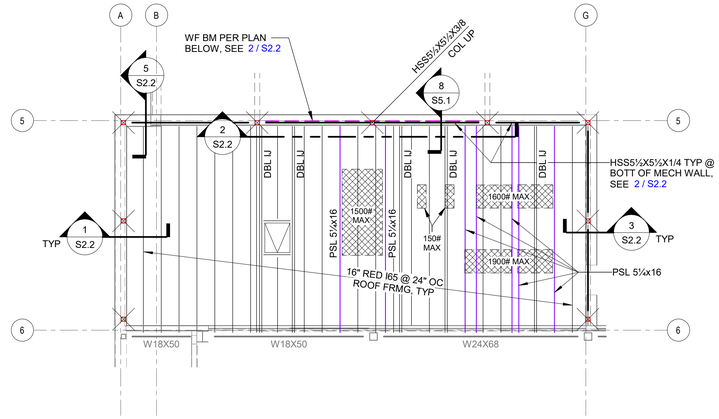
CONDITION B
WELDED STUD CONNECTION



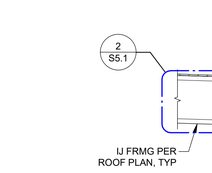
4 S2.2 HSS CONNECTIONS AT MECH WALL
3/4" = 1'-0"



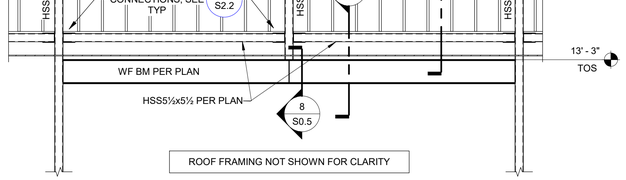
1 S2.2 PARAPET @ MECH WELL
1/2" = 1'-0"



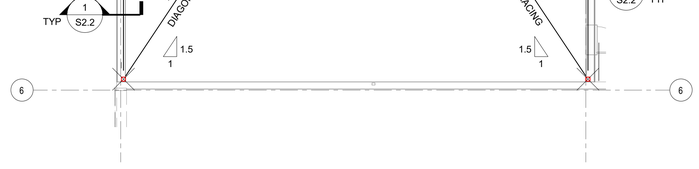
A S2.2 LOW FRAMING PLAN AT MECH WELL
1/8" = 1'-0"



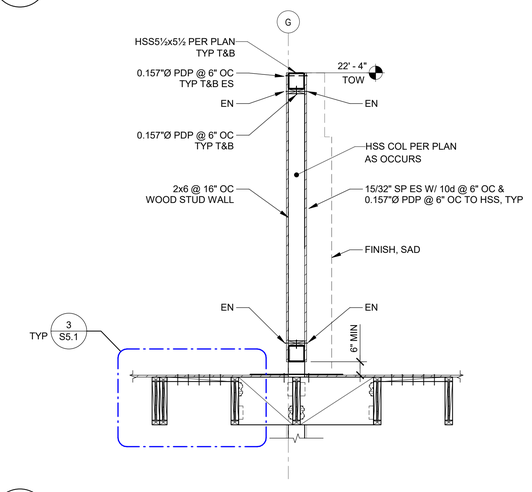
5 S2.2 PARAPET @ MECH WALL
1/2" = 1'-0"



2 S2.2 WALL FRMG AT MECH WELL
1/4" = 1'-0"



B S2.2 HIGH FRAMING PLAN AT MECH WELL
1/8" = 1'-0"



3 S2.2 PARAPET @ MECH WELL
1/2" = 1'-0"

WMB ARCHITECTS
5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

WALNUT PARK LIBRARY
2700 LILLARD DR
DAVIS, CA 95618

WMB Project No. 19-022

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 150 N
SACRAMENTO, CA 95833
(916) 920-2020 WWW.CYSENG.COM

CONSULTANT - CYS Job No. 23051

NOT FOR CONSTRUCTION

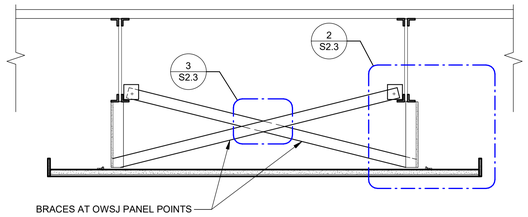
08.23.24	BID SET

MECH WELL FRAMING PLANS AND DETAILS

S2.2

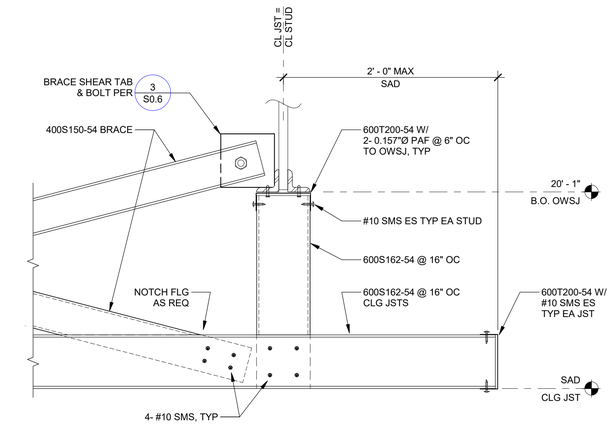
8/22/2024 1:13:33 PM

Copyright WMB, Inc.



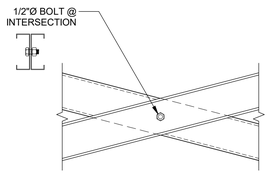
1 S2.3 SPECIALTY CEILING FRAMING

1/2" = 1'-0"



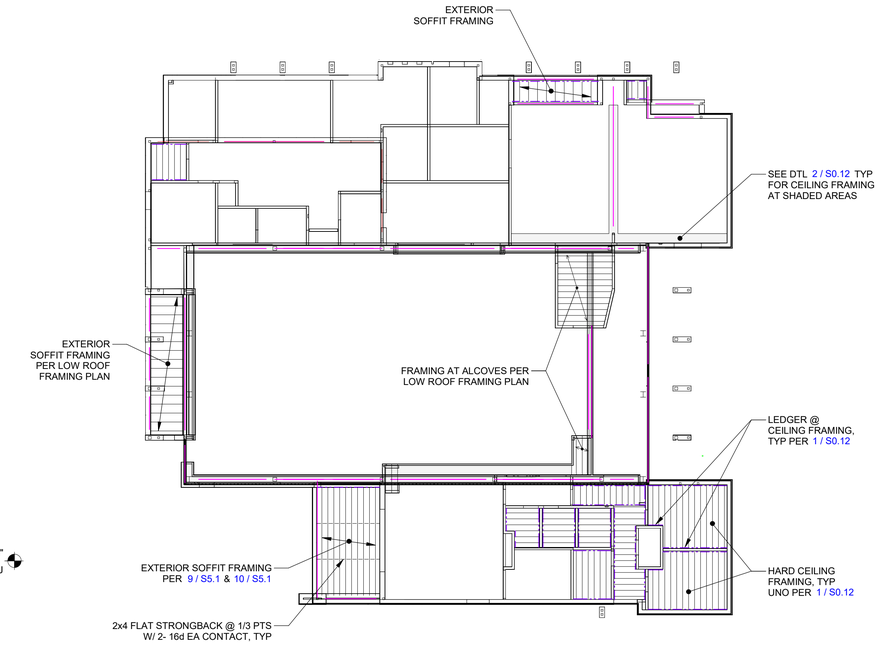
2 S2.3 SPECIALTY CEILING FRAMING DETAIL

1 1/2" = 1'-0"



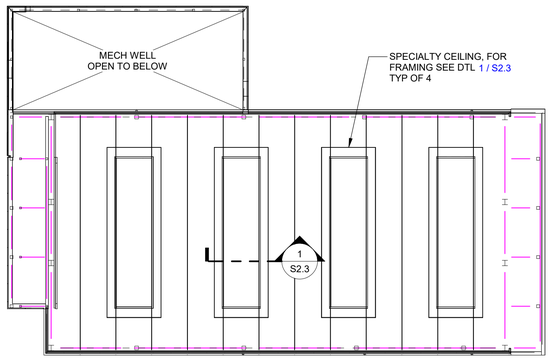
3 S2.3 SPECIALTY CEILING FRAMING DETAIL

1 1/2" = 1'-0"



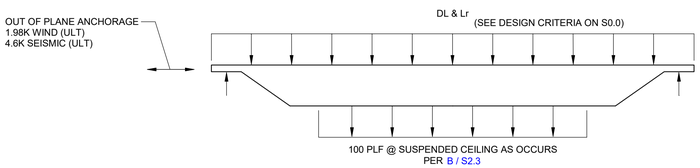
A S2.3 CEILING FRAMING PLAN - LOW

1/16" = 1'-0"



B S2.3 CEILING FRAMING PLAN - HIGH

1/16" = 1'-0"



C S2.3 OWSJ LOAD DIAGRAM

NTS

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

WALNUT PARK LIBRARY
2700 LILLARD DR
DAVIS, CA 95618

WMB Project No. 19-022

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 150 N
SACRAMENTO, CA 95833
(916) 920-2020 WWW.CYSENG.COM
CONSULTANT - CYS Job No. 23051

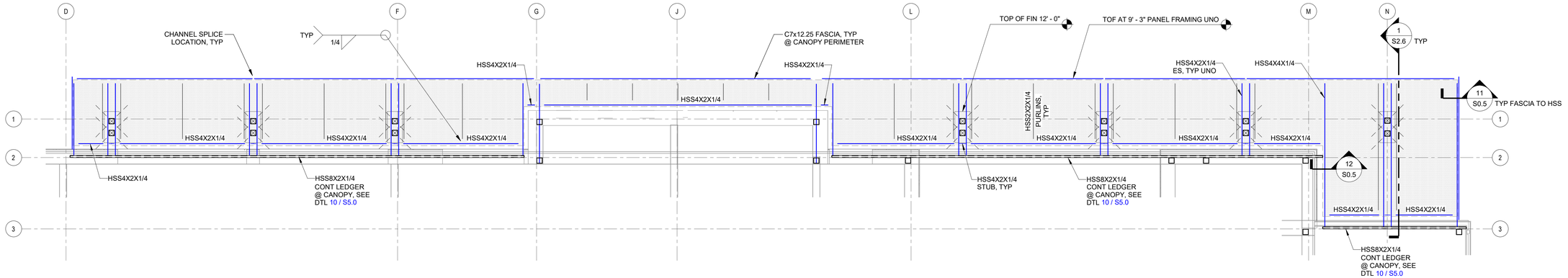
NOT FOR CONSTRUCTION

08.23.24	BID SET

CEILING FRAMING PLANS & DETAILS

S2.3

8/22/2024 1:13:35 PM
Copyright WMB, Inc.



1 S2.4 TOP PLAN AT FINS - NORTH SIDE

1/4" = 1'-0"

4 S2.4 TOP PLAN AT FINS - SOUTH SIDE

1/4" = 1'-0"

3 S2.4 TOP PLAN AT FINS - WEST SIDE

1/4" = 1'-0"

2 S2.4 TOP PLAN AT FINS - EAST SIDE

1/4" = 1'-0"

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

WALNUT PARK LIBRARY
2700 LILLARD DR
DAVIS, CA 95618

WMB Project No. 19-022

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 150 N
SACRAMENTO, CA 95833
(916) 920-2020 WWW.CYSENG.COM
CONSULTANT - CYS Job No. 23051

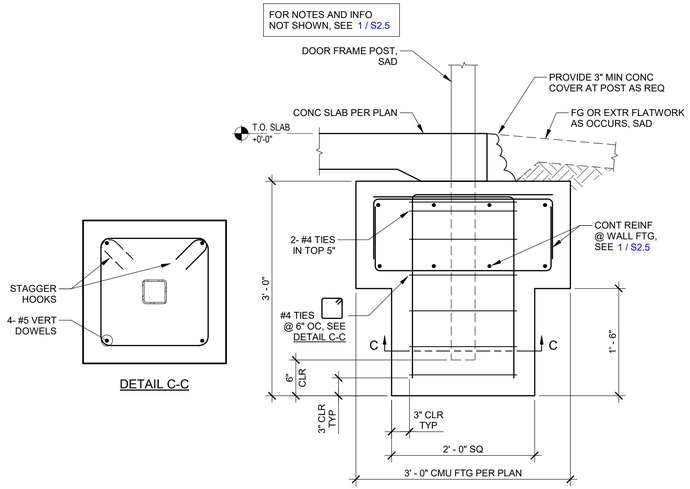
NOT FOR CONSTRUCTION

08.23.24	BID SET

FRAMING PLANS AT EXTERIOR FINS

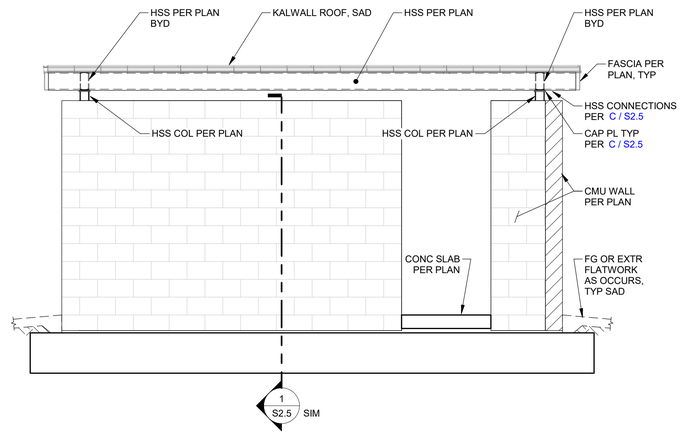
S2.4

8/22/2024 1:13:37 PM Copyright WMB, Inc.



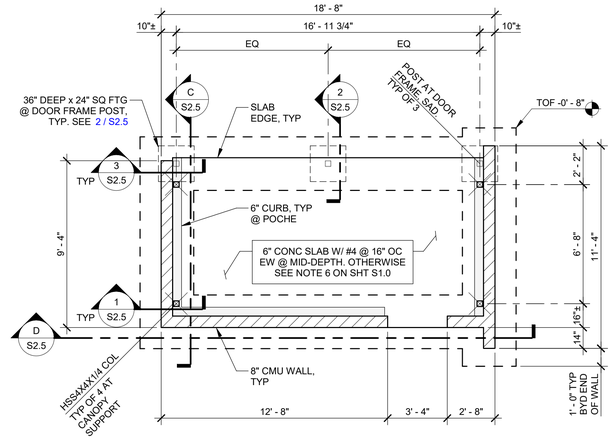
2 / S2.5 DOOR FRAME POST FOOTING AT TRASH ENCLOSURE

1" = 1'-0"



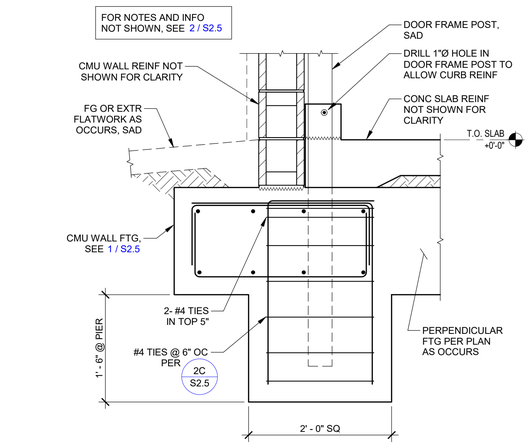
D / S2.5 ELEVATION AT TRASH ENCLOSURE

3/8" = 1'-0"



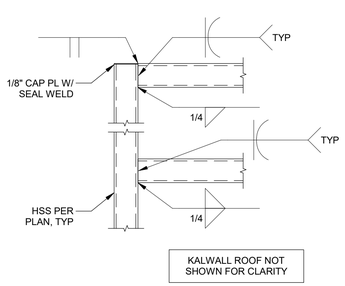
A / S2.5 FOUNDATION PLAN AT TRASH ENCLOSURE

1/4" = 1'-0"



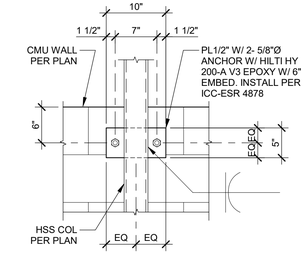
3 / S2.5 DOOR FRAME POST FOOTING AT TRASH ENCLOSURE

1" = 1'-0"

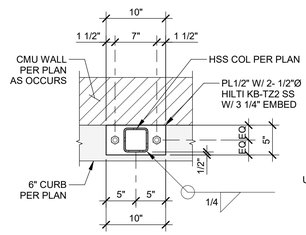


4 / S2.5 TYPICAL HSS CONNECTIONS AT TRASH ENCLOSURE

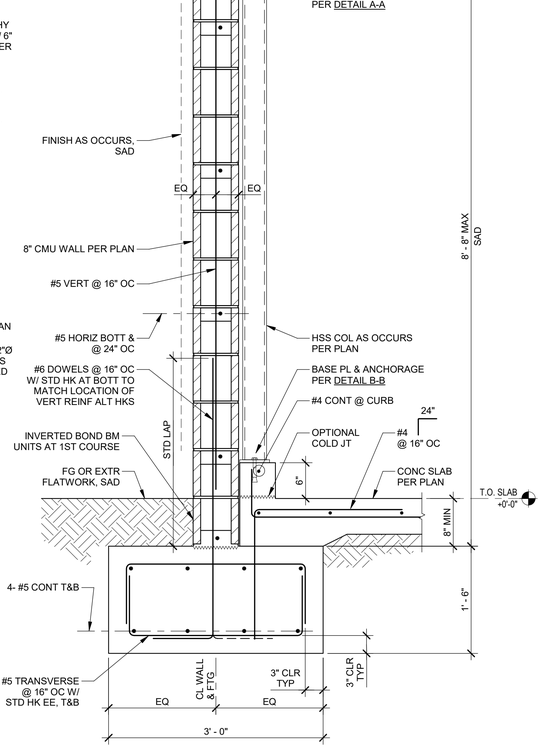
1" = 1'-0"



DETAIL A-A

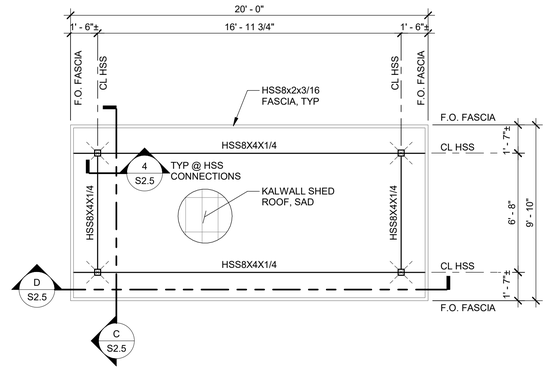


DETAIL B-B



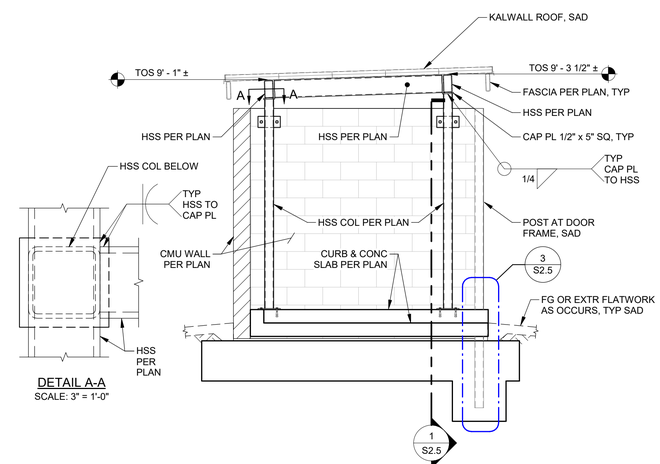
1 / S2.5 TRASH ENCLOSURE CMU WALL

1" = 1'-0"



B / S2.5 CANOPY FRAMING PLAN AT TRASH ENCLOSURE

1/4" = 1'-0"



DETAIL A-A
SCALE: 3" = 1'-0"

C / S2.5 ELEVATION AT TRASH ENCLOSURE

3/8" = 1'-0"

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

WALNUT PARK LIBRARY
2700 LILLARD DR
DAVIS, CA 95618

WMB Project No. 19-022

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 150 N
SACRAMENTO, CA. 95833
(916) 920-2020 WWW.CYSENG.COM
CONSULTANT - CYS Job No. 23051

NOT FOR CONSTRUCTION

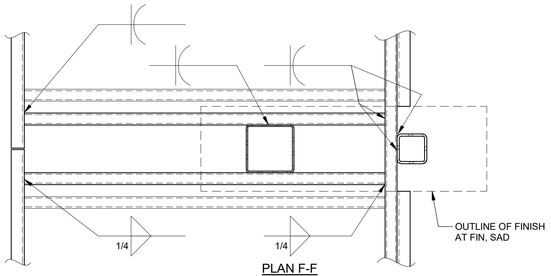
08.23.24	BID SET

TRASH ENCLOSURE PLANS AND DETAILS

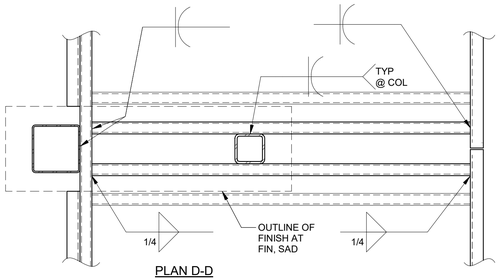
S2.5

8/22/2024 1:13:40 PM

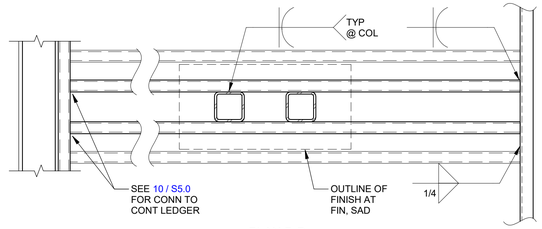
Copyright WMB, Inc.



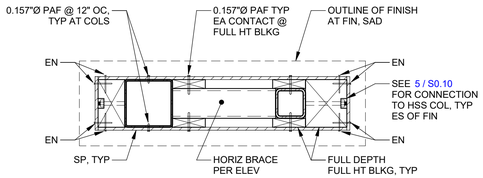
PLAN F-F
SCALE: 1" = 1'-0"



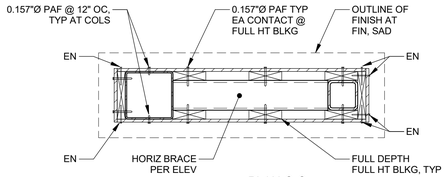
PLAN D-D
SCALE: 1" = 1'-0"



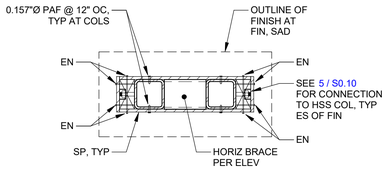
PLAN B-B
SCALE: 1" = 1'-0"



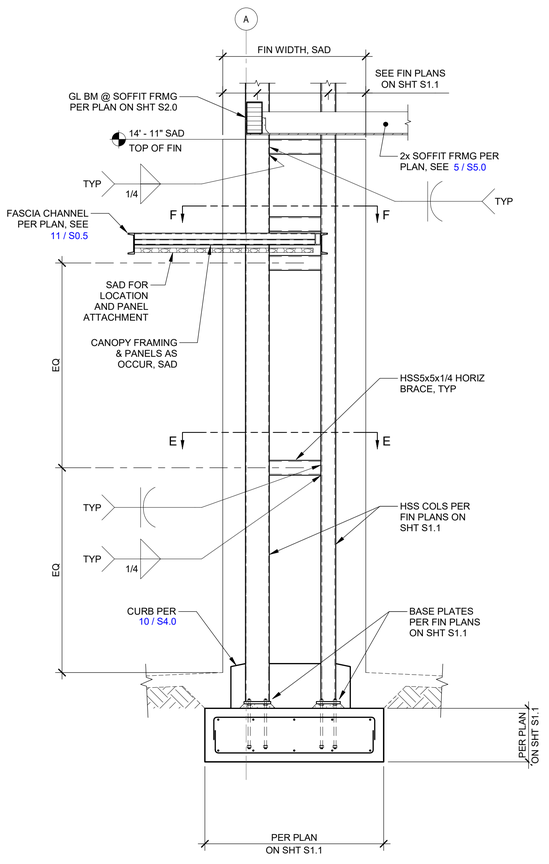
PLAN E-E
SCALE: 1" = 1'-0"



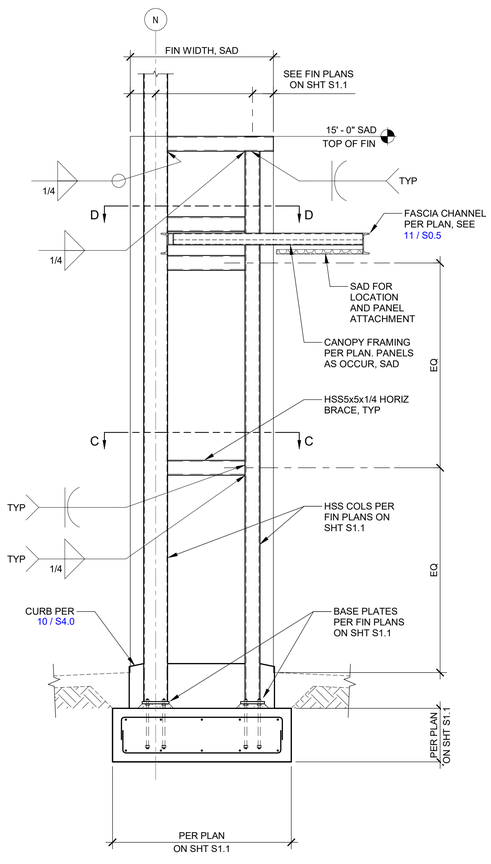
PLAN C-C
SCALE: 1" = 1'-0"



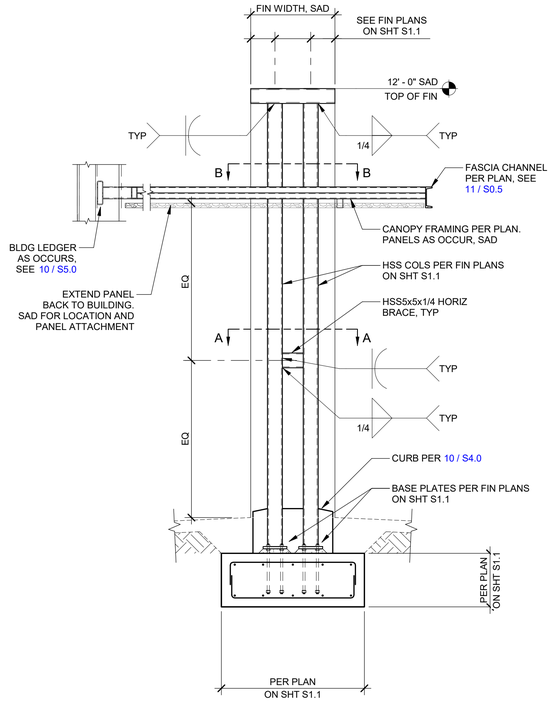
PLAN A-A
SCALE: 1" = 1'-0"



3 S2.6 FIN ELEVATION - WEST SIDE
1/2" = 1'-0"



2 S2.6 FIN ELEVATION - EAST SIDE
1/2" = 1'-0"



1 S2.6 TYPICAL FIN ELEVATION
1/2" = 1'-0"

50

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

WALNUT PARK LIBRARY
2700 LILLARD DR
DAVIS, CA 95618

WMB Project No. 19-022

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 150 N
SACRAMENTO, CA. 95833
(916) 920-2020 WWW.CYSENG.COM

CONSULTANT - CYS Job No. 23051

REGISTERED PROFESSIONAL ENGINEER STRUCTURAL STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

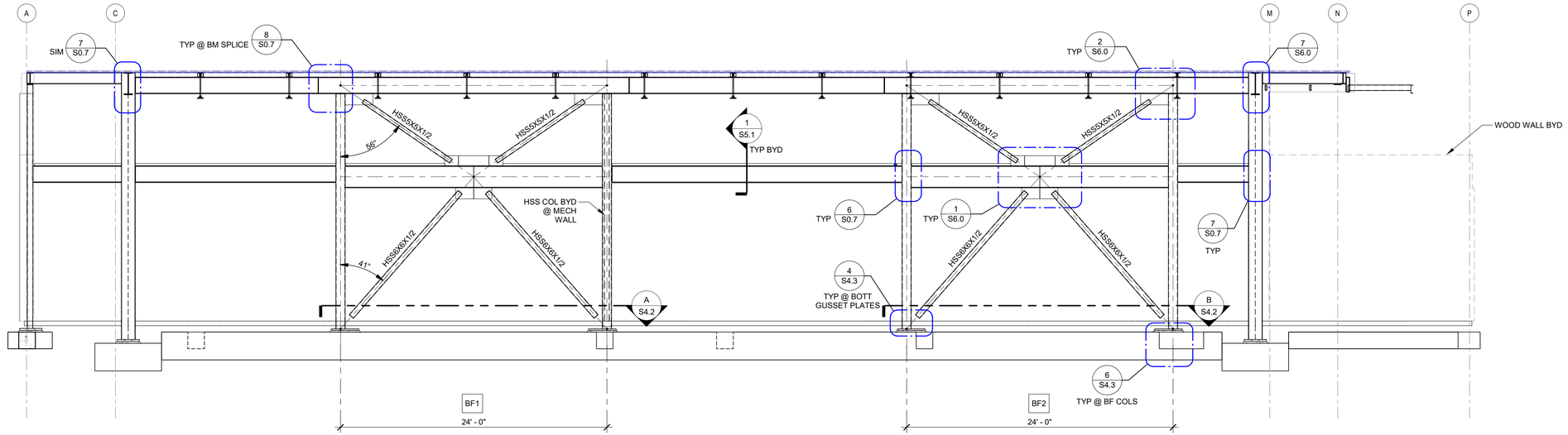
08.23.24	BID SET

PLANS & ELEVATIONS AT FINS

S2.6

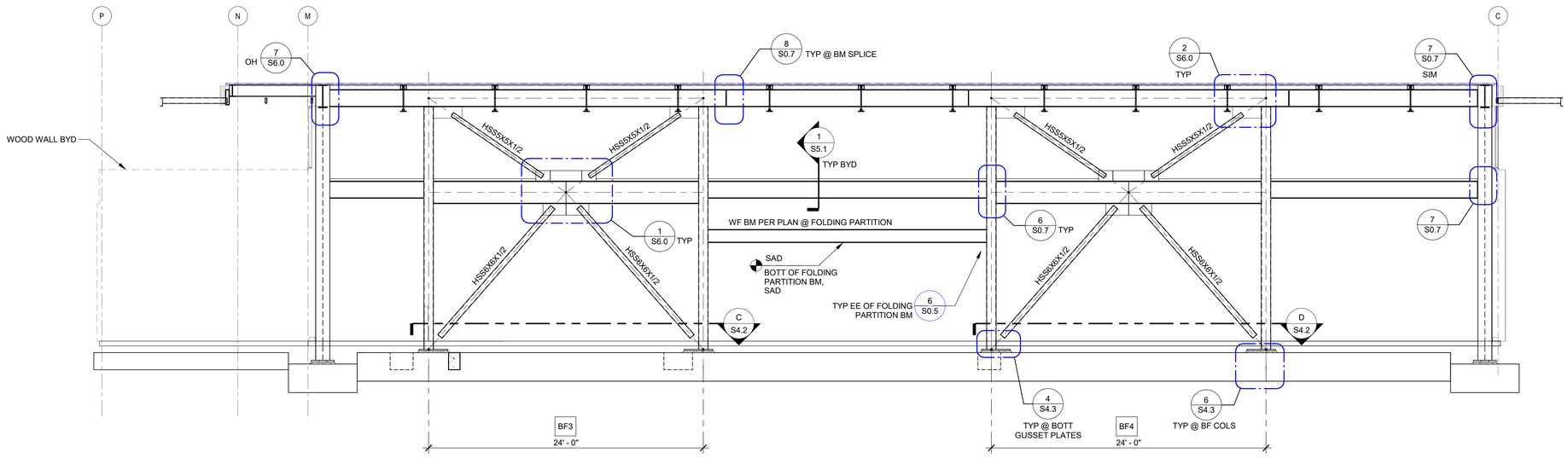
8/22/2024 1:13:43 PM

Copyright WMB, Inc.



A S3.0 NORTH ELEVATION AT BRACE FRAMES 1 & 2

3/16" = 1'-0"



B S3.0 SOUTH ELEVATION AT BRACE FRAMES 3 & 4

3/16" = 1'-0"

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

WALNUT PARK LIBRARY

2700 LILLARD DR
DAVIS, CA 95618

WMB Project No. 19-022

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190 N
SACRAMENTO, CA 95833
(916) 920-2020 WWW.CYSENG.COM

CONSULTANT - CYS Job No. 23051

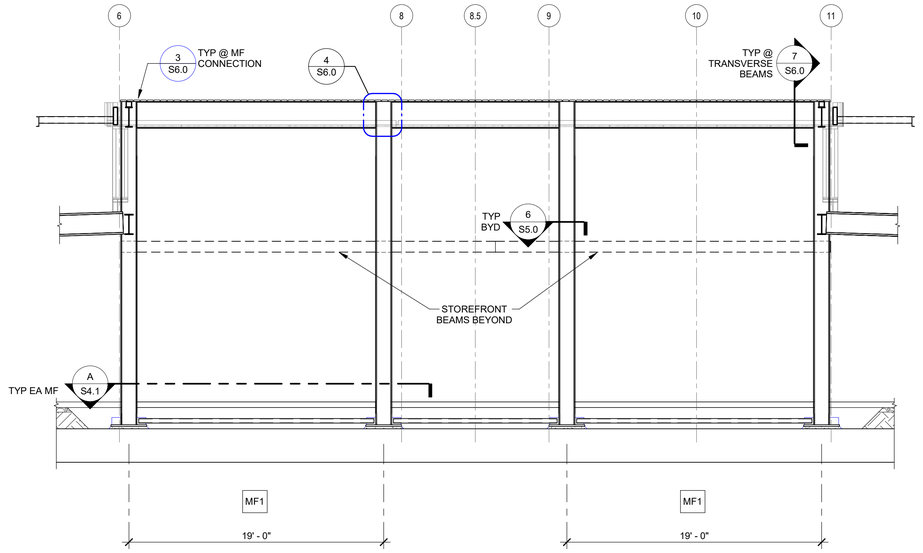
REGISTERED PROFESSIONAL ENGINEER
STRUCTURAL
STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

08.23.24	BID SET

ELEVATIONS AT BRACE FRAMES

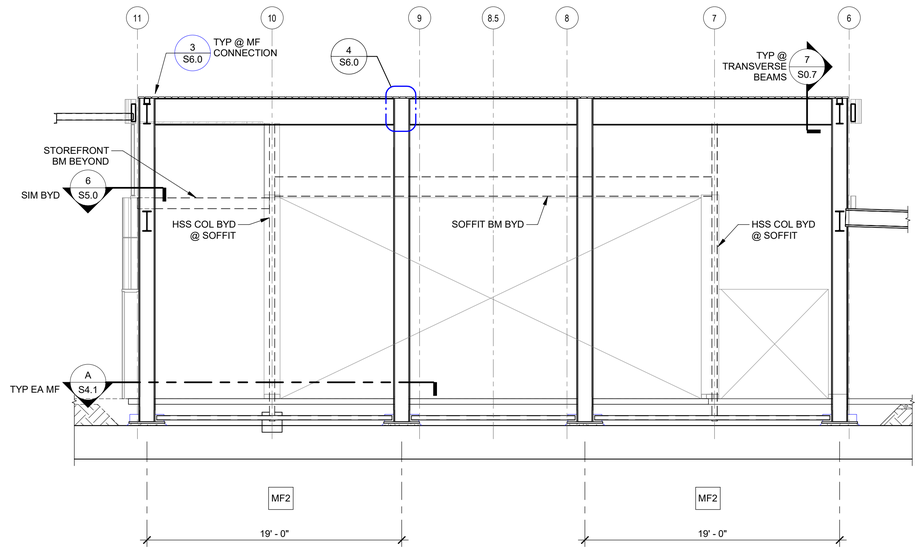
S3.0

8/22/2024 1:13:44 PM Copyright WMB, Inc.



C S3.1 EAST ELEVATION AT MOMENT FRAMES

3/16" = 1'-0"



D S3.1 WEST ELEVATION AT MOMENT FRAMES

3/16" = 1'-0"

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

WALNUT PARK LIBRARY

2700 LILLARD DR
DAVIS, CA 95618

WMB Project No. 19-022

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190 N
SACRAMENTO, CA 95833
(916) 920-2020 WWW.CYSENG.COM

CONSULTANT - CYS Job No. 23051

REGISTERED PROFESSIONAL ENGINEER STRUCTURAL STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

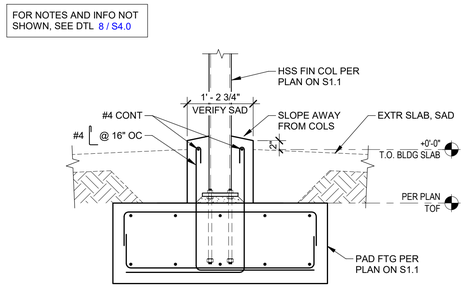
08.23.24	BID SET

ELEVATIONS AT MOMENT FRAMES

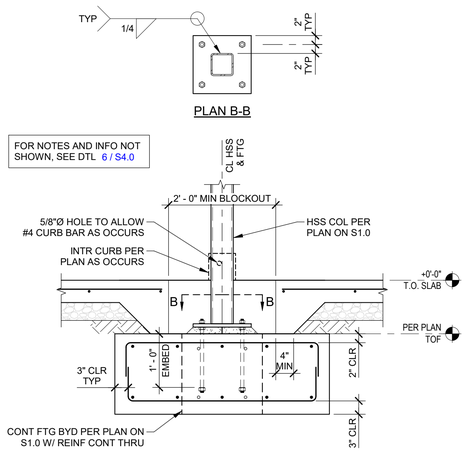
S3.1

8/22/2024 1:13:46 PM

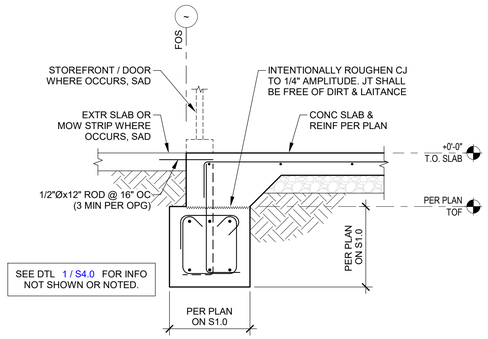
Copyright WMB, Inc.



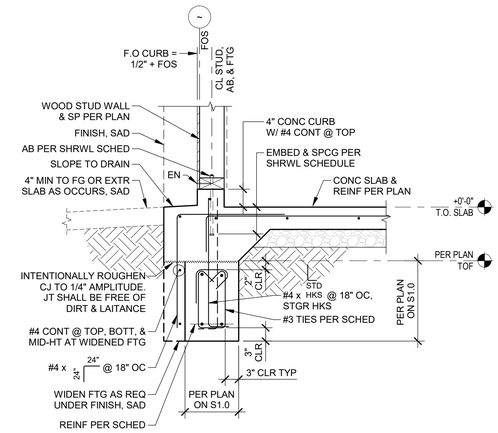
10 S4.0 CURB @ FIN PAD FTGS
3/4" = 1'-0"



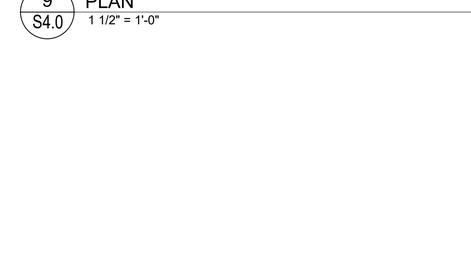
7 S4.0 PAD FTG @ HSS COL
3/4" = 1'-0"



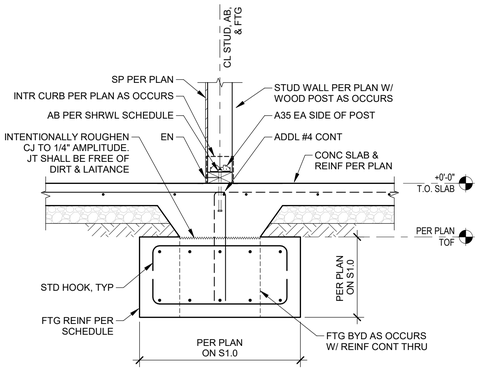
4 S4.0 FOOTING AT STOREFRONT / DOOR
3/4" = 1'-0"



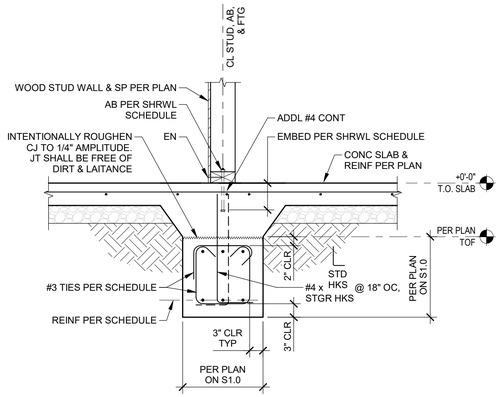
1 S4.0 TYP FOOTING AT EXTR WALLS
3/4" = 1'-0"



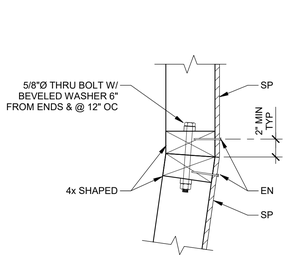
8 S4.0 ISOLATED PAD FTG @ HSS COL
3/4" = 1'-0"



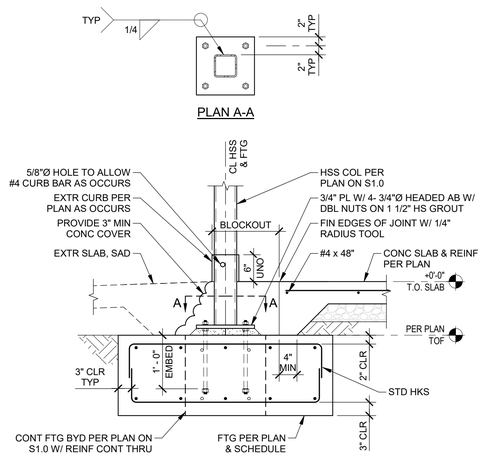
5 S4.0 INTR GRADE BEAM
3/4" = 1'-0"



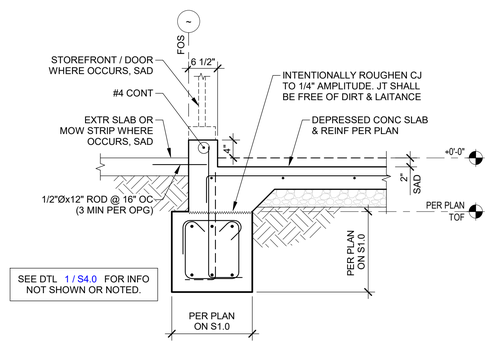
2 S4.0 FOOTING AT INTR SHRWLS
3/4" = 1'-0"



9 S4.0 PLAN
1 1/2" = 1'-0"



6 S4.0 EXTR PAD FTG @ HSS COL
3/4" = 1'-0"



3 S4.0 FOOTING AT INTR SHRWLS W/ CURB
3/4" = 1'-0"

WMB ARCHITECTS
5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

WALNUT PARK LIBRARY
2700 LILLARD DR
DAVIS, CA 95618

WMB Project No. 19-022

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 150 N
SACRAMENTO, CA 95833
(916) 920-2020 WWW.CYSENG.COM
CONSULTANT - CYS Job No. 23051

NOT FOR CONSTRUCTION

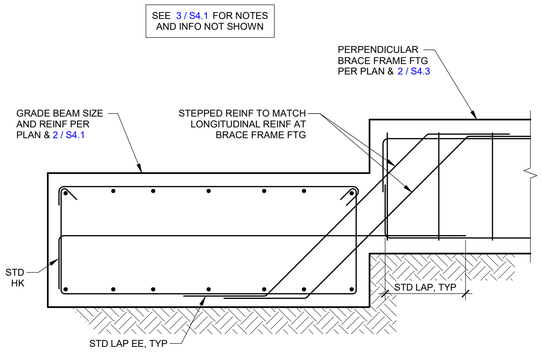
08.23.24	BID SET

FOUNDATION DETAILS

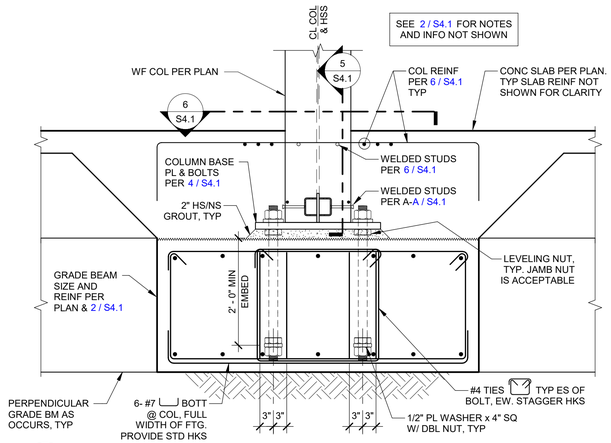
S4.0

[redacted]

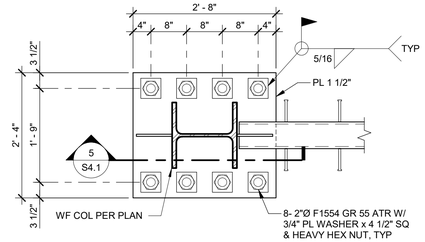
8/22/2024 1:13:47 PM Copyright WMB, Inc.



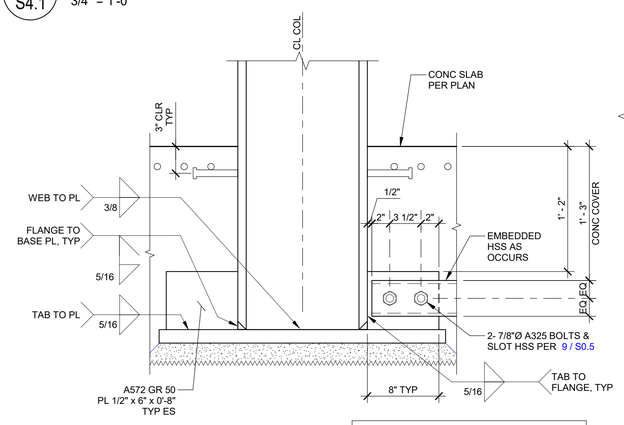
7 / S4.1 MOMENT FRAME FTG TRANSITION
3/4" = 1'-0"



3 / S4.1 ANCHORAGE REINF
3/4" = 1'-0"

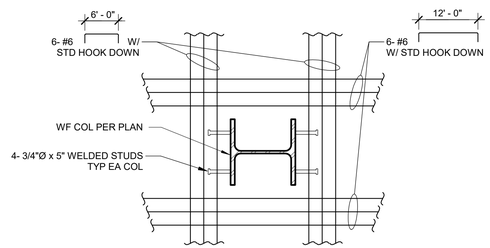


4 / S4.1 MOMENT FRAME BASE PLATE
3/4" = 1'-0"

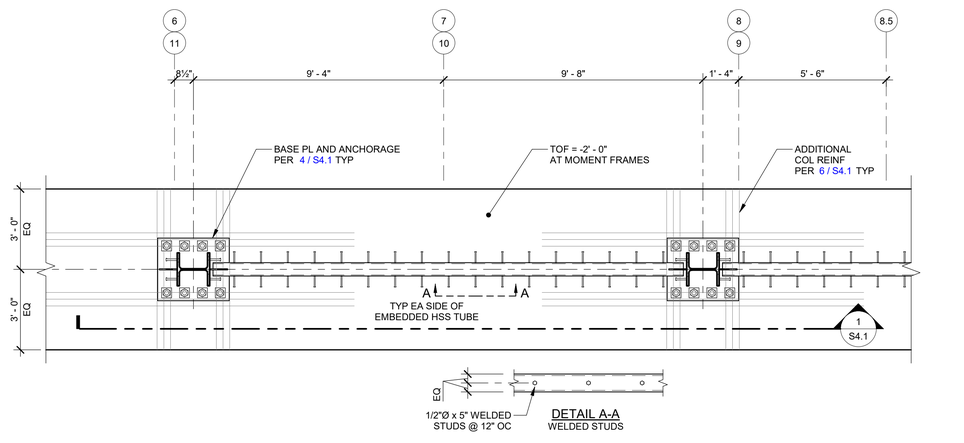


NOTES:
1. ANCHOR BOLTS NOT SHOWN FOR CLARITY.
2. ALL WELDS SHOWN ON DETAIL ARE DEMAND CRITICAL.

5 / S4.1 TABS AT EMBEDDED HSS
1 1/2" = 1'-0"

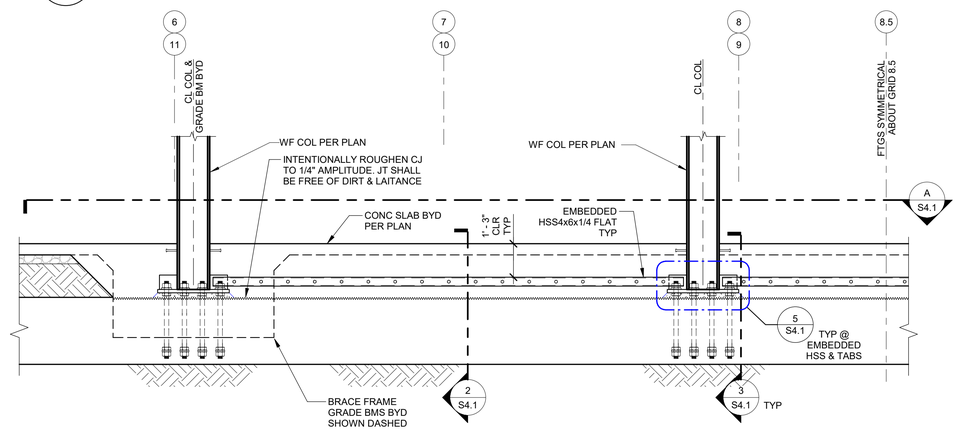


6 / S4.1 MOMENT FRAME COLUMN REINFORCING
3/4" = 1'-0"

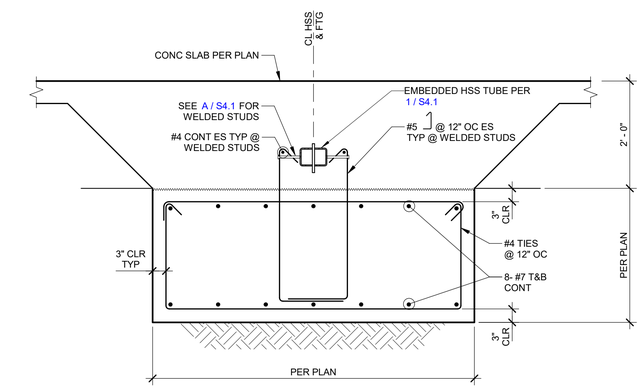


NOTE:
WALL FRAMING AND ADJACENT FOUNDATIONS NOT SHOWN FOR CLARITY

A / S4.1 PLAN AT MOMENT FRAME GRADE BEAMS
3/8" = 1'-0"



1 / S4.1 MOMENT FRAME GRADE BEAMS
3/8" = 1'-0"



2 / S4.1 GRADE BEAM SECTION
3/4" = 1'-0"

WMB ARCHITECTS
5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

WALNUT PARK LIBRARY
2700 LILLARD DR
DAVIS, CA 95618

WMB Project No. 19-022

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 150 N
SACRAMENTO, CA. 95833
(916) 920-2020 WWW.CYSENG.COM
CONSULTANT - CYS Job No. 23051

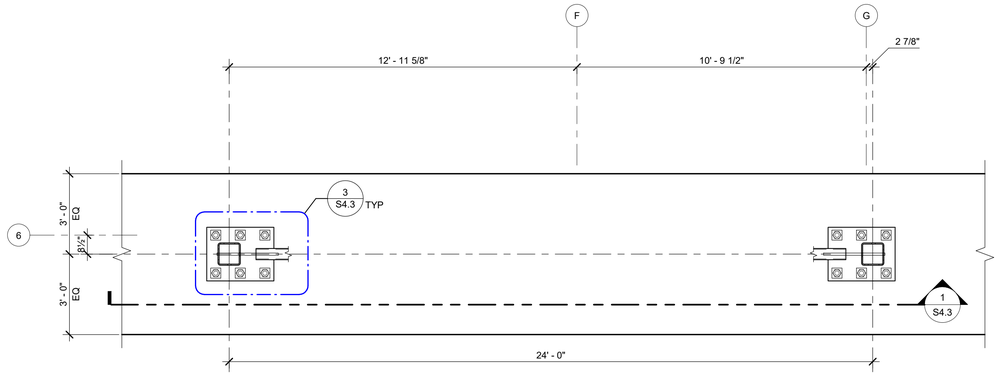
NOT FOR CONSTRUCTION

08.23.24	BID SET

MOMENT FRAME GRADE BEAM DETAILS

S4.1

8/22/2024 1:13:48 PM
Copyright WMB, Inc.



NOTES:

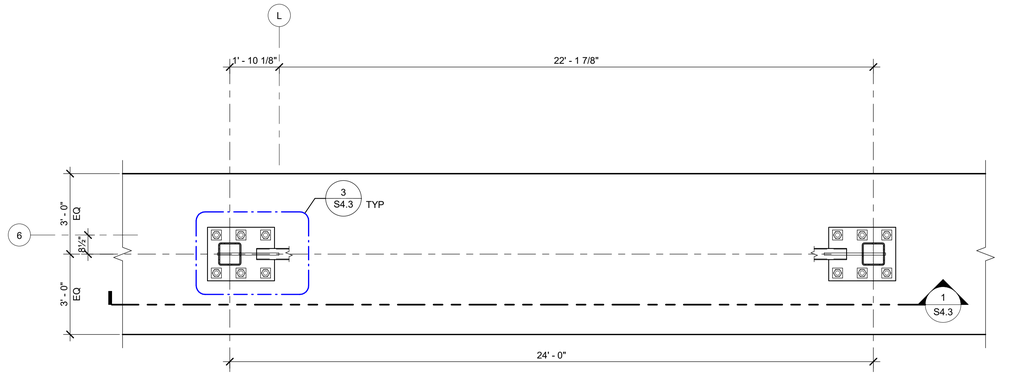
1. WALL FRAMING AND ADJACENT FOUNDATIONS NOT SHOWN FOR CLARITY.
2. FOR BRACE FRAME GUSSET PLATES, SEE DTLS ON SHEET S4.3.

A S4.2 PLAN AT BF1 GRADE BEAMS

BF1

3/8" = 1'-0"

N



NOTES:

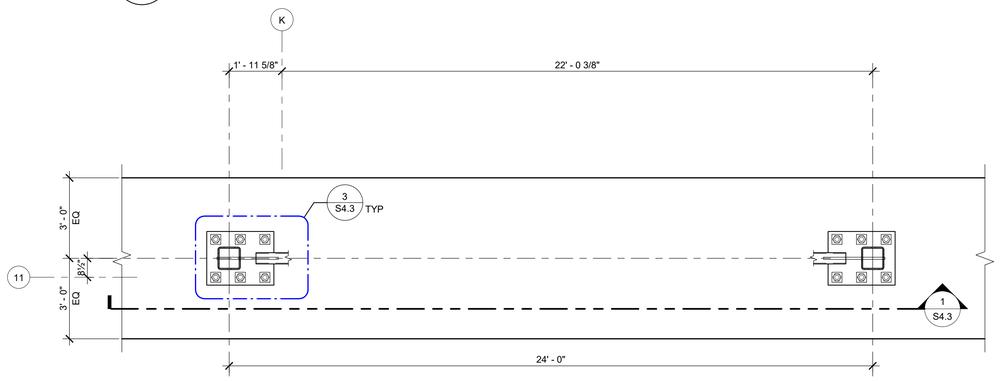
1. WALL FRAMING AND ADJACENT FOUNDATIONS NOT SHOWN FOR CLARITY.
2. FOR BRACE FRAME GUSSET PLATES, SEE DTLS ON SHEET S4.3.

B S4.2 PLAN AT BF2 GRADE BEAMS

BF2

3/8" = 1'-0"

N



NOTES:

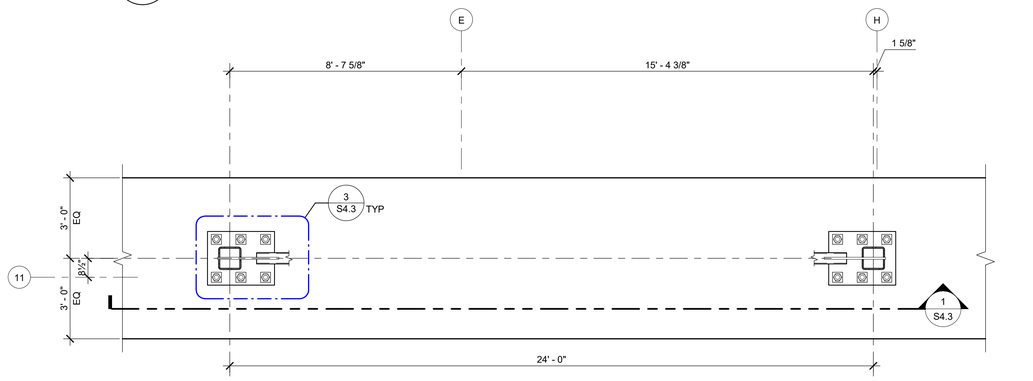
1. WALL FRAMING AND ADJACENT FOUNDATIONS NOT SHOWN FOR CLARITY.
2. FOR BRACE FRAME GUSSET PLATES, SEE DTLS ON SHEET S4.3.

C S4.2 PLAN AT BF3 GRADE BEAMS

BF3

3/8" = 1'-0"

N



NOTES:

1. WALL FRAMING AND ADJACENT FOUNDATIONS NOT SHOWN FOR CLARITY.
2. FOR BRACE FRAME GUSSET PLATES, SEE DTLS ON SHEET S4.3.

D S4.2 PLAN AT BF4 GRADE BEAMS

BF4

3/8" = 1'-0"

N

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

WALNUT PARK LIBRARY

2700 LILLARD DR
DAVIS, CA 95618

WMB Project No. 19-022

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 150 N
SACRAMENTO, CA 95833
(916) 920-2020 WWW.CYSENG.COM

CONSULTANT - CYS Job No. 23051

REGISTERED PROFESSIONAL ENGINEER ARTHUR JEROME CHRISTOPHER STRUCTURAL STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

08.23.24	BID SET

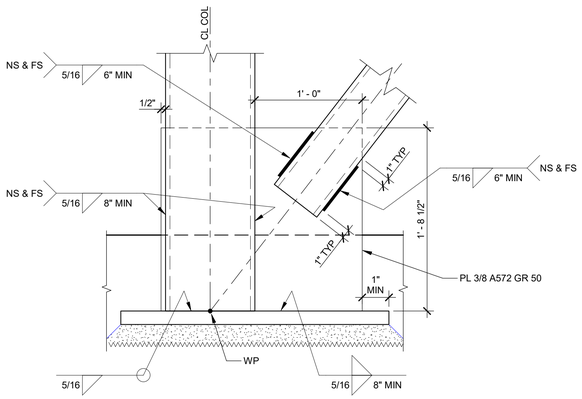
BRACE FRAME PLANS

S4.2

[redacted]

8/22/2024 1:13:49 PM

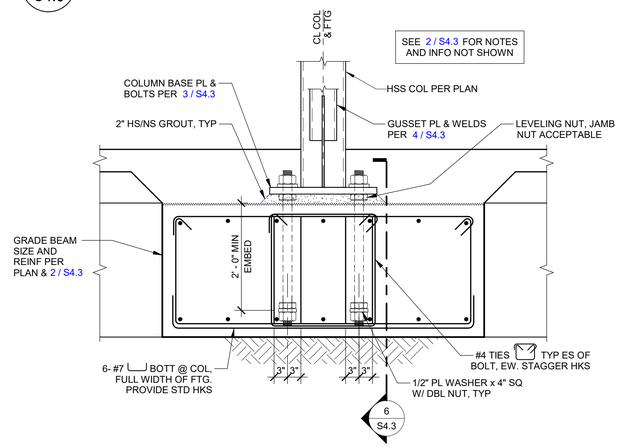
Copyright WMB, Inc.



NOTES:
1. ANCHOR BOLTS NOT SHOWN FOR CLARITY.
2. ALL WELDS SHOWN ON DETAIL ARE DEMAND CRITICAL.

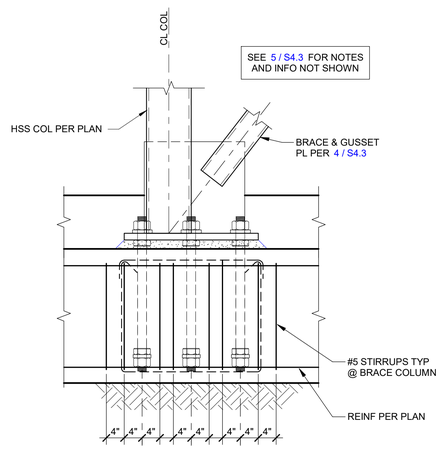
4 / S4.3 BRACE FRAME GUSSET PLATE

1 1/2" = 1'-0"



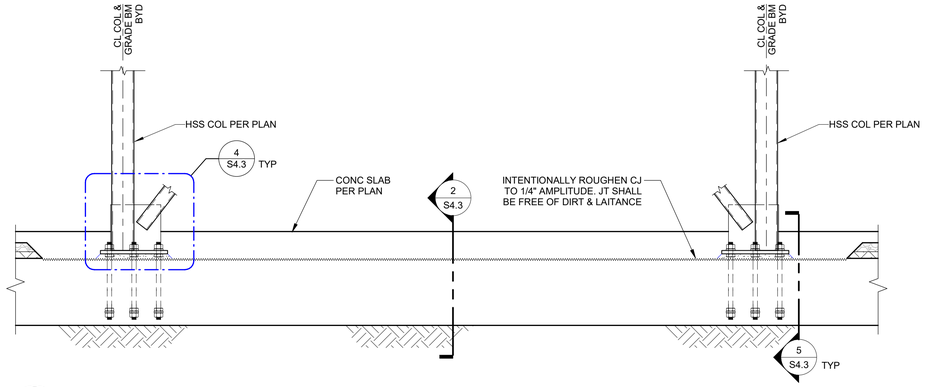
5 / S4.3 FTG SECTION @ COLUMN

3/4" = 1'-0"



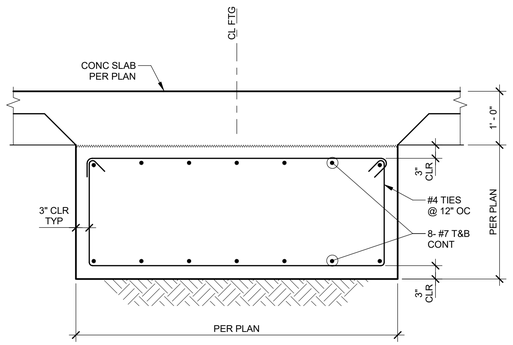
6 / S4.3 ANCHORAGE REINF

3/4" = 1'-0"



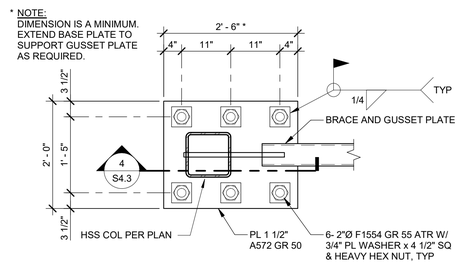
1 / S4.3 BRACE FRAME GRADE BEAMS

3/8" = 1'-0"



2 / S4.3 GRADE BEAM SECTION

3/4" = 1'-0"



3 / S4.3 BRACE FRAME BASE PLATE

3/4" = 1'-0"

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

WALNUT PARK LIBRARY
2700 LILLARD DR
DAVIS, CA 95618

WMB Project No. 19-022

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 190 N
SACRAMENTO, CA 95833
(916) 920-2020 WWW.CYSENG.COM
CONSULTANT - CYS Job No. 23051

REGISTERED PROFESSIONAL ENGINEER STRUCTURAL STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

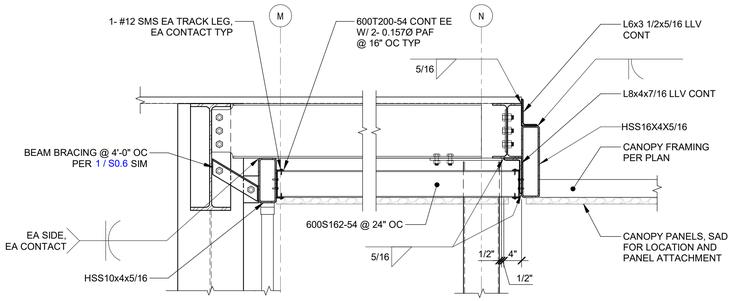
08.23.24	BID SET

BRACE FRAME GRADE BEAM DETAILS

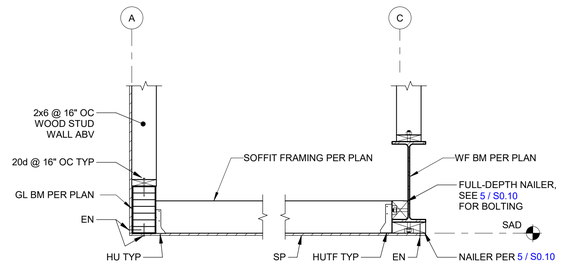
S4.3

8/22/2024 1:13:49 PM

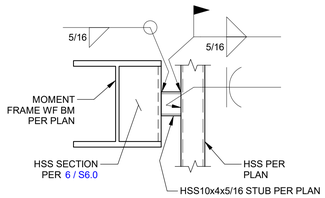
Copyright WMB, Inc.



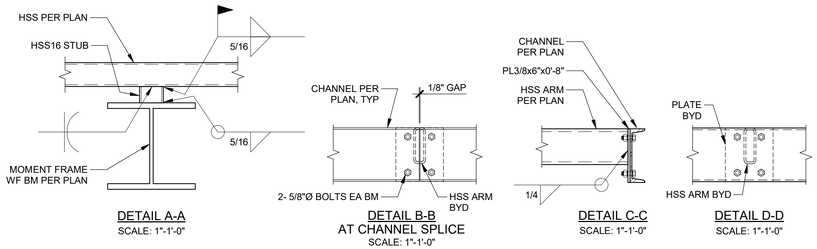
8 S5.0 WF BMS AT ENTRY
3/4" = 1'-0"

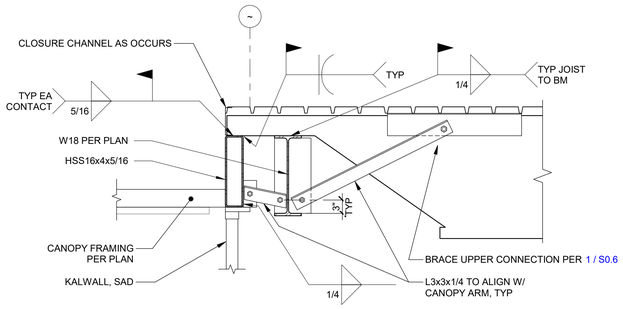


5 S5.0 WEST SIDE SOFFIT FRAMING DETAIL
3/4" = 1'-0"

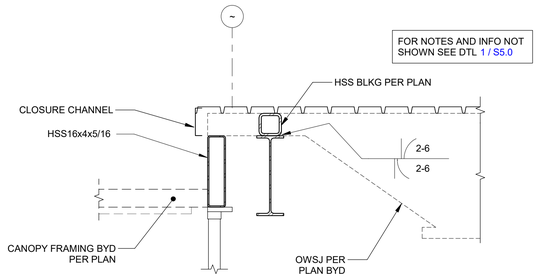


6 S5.0 STUD BM TO WF COL
1" = 1'-0"

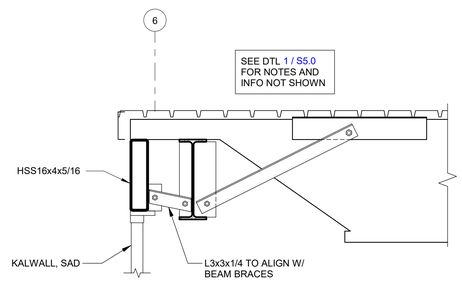




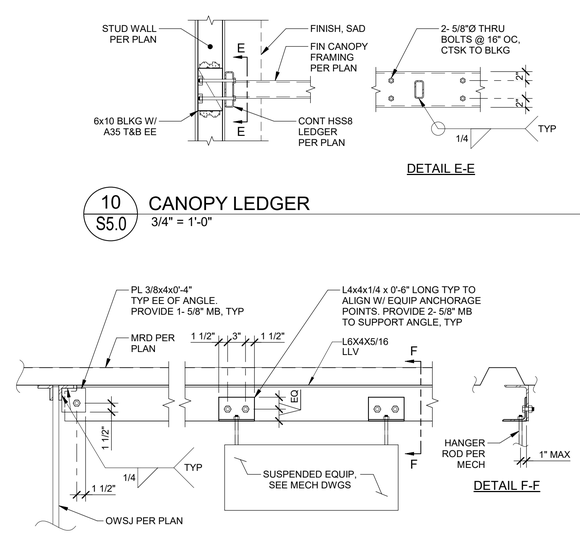
1 S5.0 BRACE & CANOPY SUPPORT AT JOIST
3/4" = 1'-0"



2 S5.0 BRACE & CANOPY SUPPORT BETWEEN JOISTS
3/4" = 1'-0"

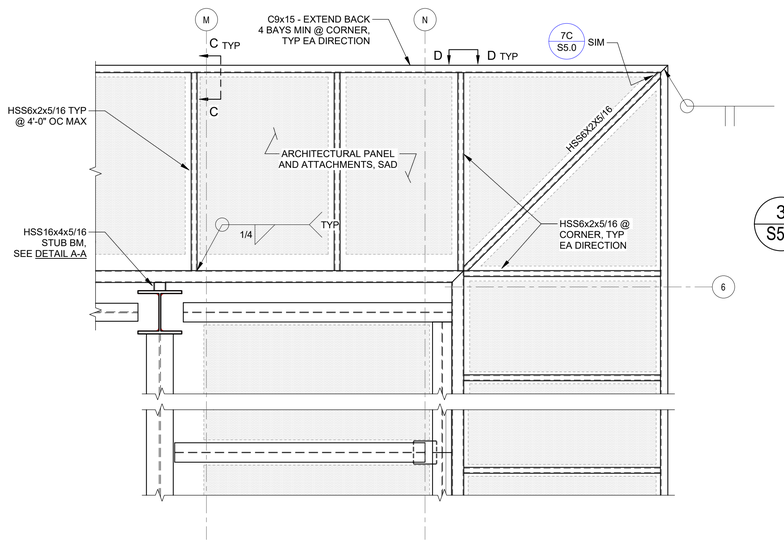


3 S5.0 UPPER ROOF AT MECH WELL
3/4" = 1'-0"

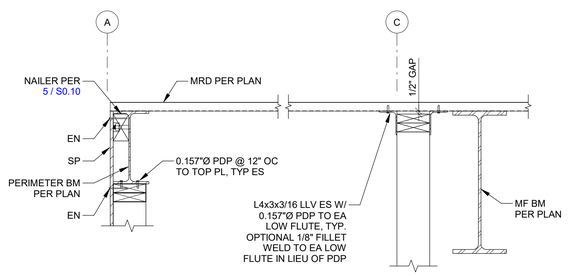


10 S5.0 CANOPY LEDGER
3/4" = 1'-0"

11 S5.0 EQUIP SUPPORT AT HIGH ROOF
1" = 1'-0"



7 S5.0 PLAN AT CANOPY CORNER
1/2" = 1'-0"



4 S5.0 DETAIL
1" = 1'-0"

WMB ARCHITECTS
5757 Pacific Avenue
Suite 226
Stockton, CA 95207
2000 L Street
Suite 125
Sacramento, CA 95811
T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

WALNUT PARK LIBRARY
2700 LILLARD DR
DAVIS, CA 95618

WMB Project No. 19-022

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 150 N
SACRAMENTO, CA. 95833
(916) 920-2020 WWW.CYSENG.COM
CONSULTANT - CYS Job No. 23051

NOT FOR CONSTRUCTION

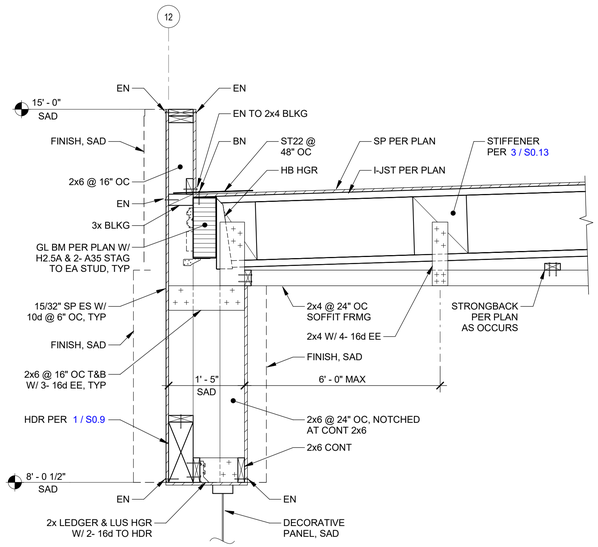
08.23.24	BID SET

FRAMING DETAILS

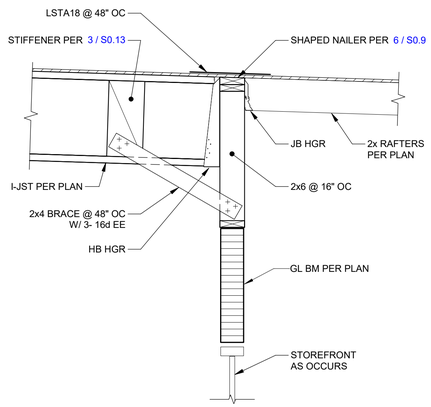
S5.0

[redacted]

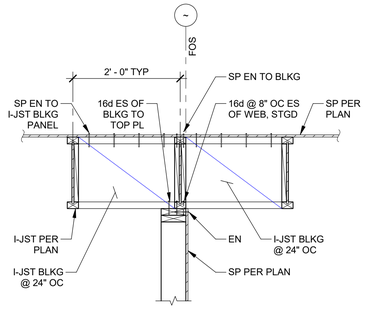
8/22/2024 1:13:52 PM Copyright WMB, Inc.



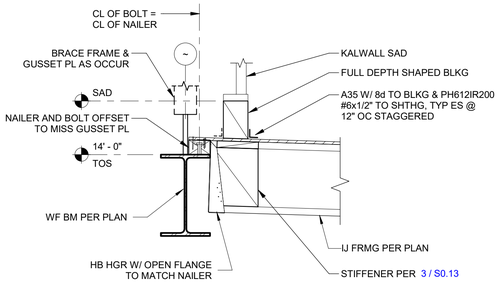
10 / S5.1 FRMG @ EXTR SOFFIT
3/4" = 1'-0"



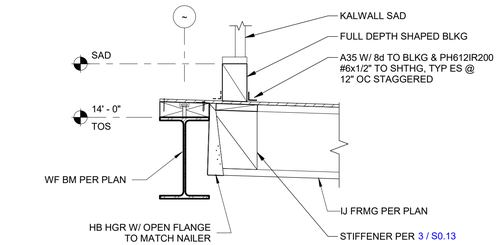
7 / S5.1 HDR @ LOW ROOF FRMG
3/4" = 1'-0"



4 / S5.1 IJs ALIGNED W/ WALL BLW
3/4" = 1'-0"

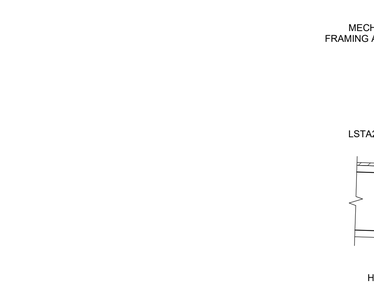


CONDITION AT BRACE FRAME

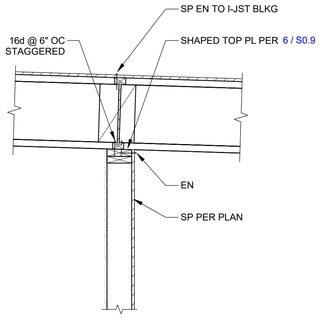


TYPICAL CONDITION

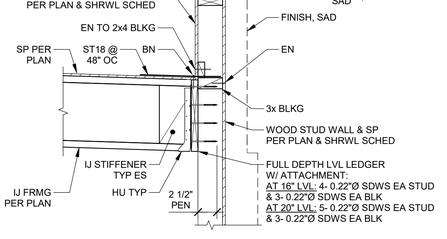
1 / S5.1 IJ @ WF BM
3/4" = 1'-0"



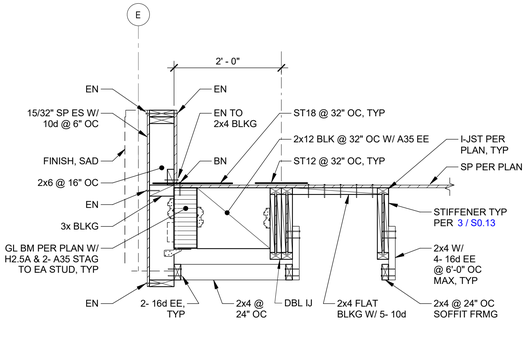
8 / S5.1 HDR @ MECH WELL ROOF FRMG
3/4" = 1'-0"



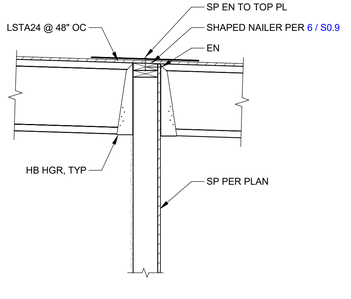
5 / S5.1 IJs @ WALL BLW
3/4" = 1'-0"



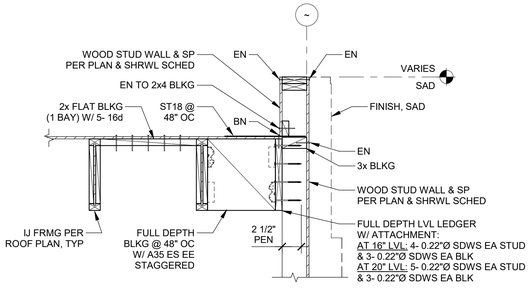
2 / S5.1 TYP PARAPET @ IJs
3/4" = 1'-0"



9 / S5.1 FRMG @ EXTR SOFFIT
3/4" = 1'-0"



6 / S5.1 IJs @ FULL HT WALL
3/4" = 1'-0"



3 / S5.1 TYP PARAPET @ IJs
3/4" = 1'-0"

50

WMB
ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY
LIBRARY
We connect people and ideas

WALNUT PARK
LIBRARY
2700 LILLARD DR
DAVIS, CA 95618

WMB Project No. 19-022

CYS
STRUCTURAL
ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 150 N
SACRAMENTO, CA 95833
(916) 920-2020 WWW.CYSENG.COM

CONSULTANT - CYS Job No. 23051

REGISTERED PROFESSIONAL ENGINEER
STRUCTURAL
STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

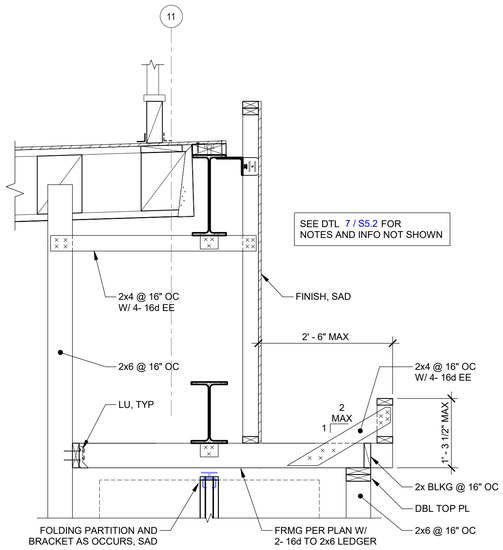
08.23.24	BID SET

FRAMING DETAILS

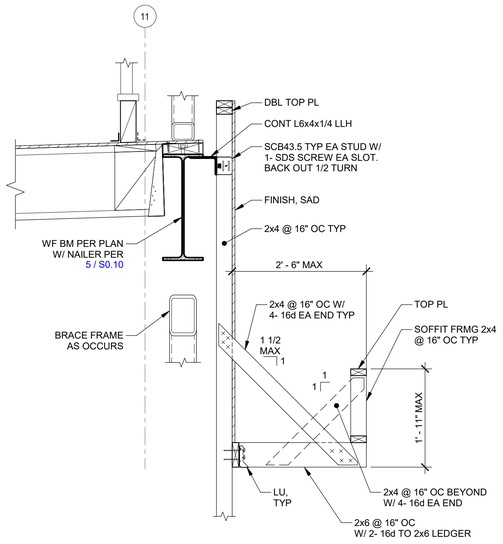
S5.1

8/22/2024 1:13:55 PM

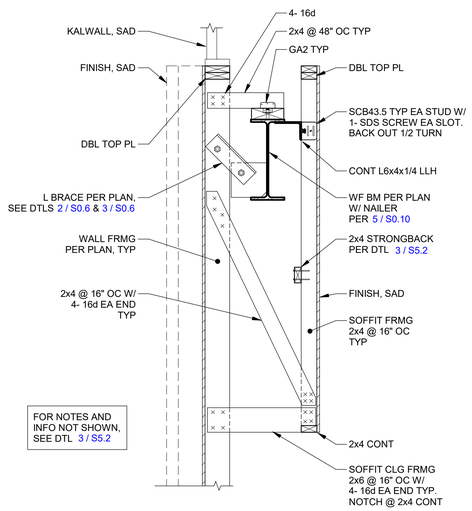
Copyright WMB, Inc.



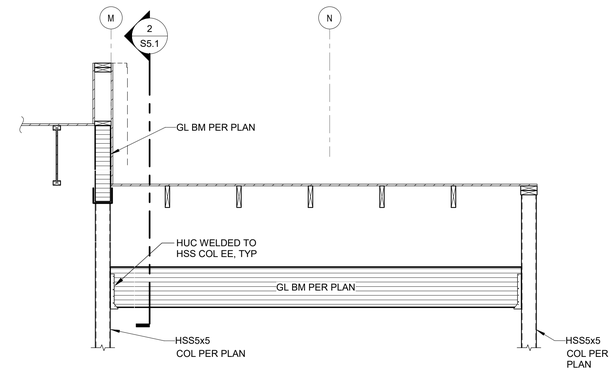
8 S5.2 CABINET AT FOLDING PARTITION
3/4" = 1'-0"



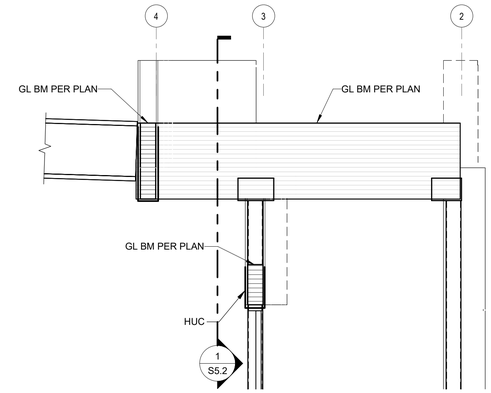
6 S5.2 SOFFIT EXTENSION AT BRACE FRAME
3/4" = 1'-0"



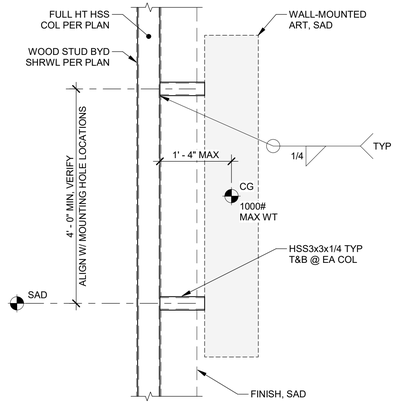
4 S5.2 BRACE AT WF BM
3/4" = 1'-0"



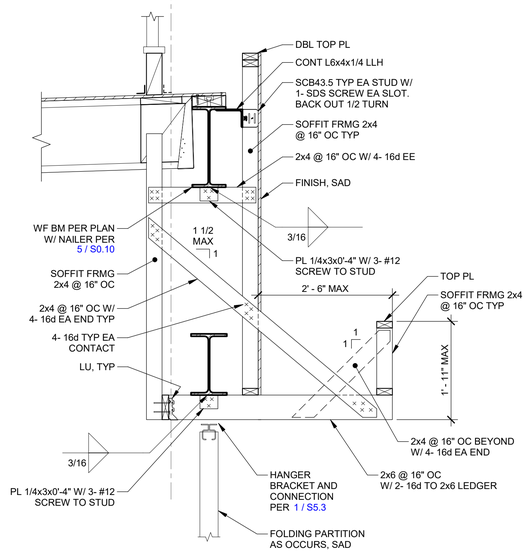
1 S5.2 DETAIL AT NORTHEAST ROOF
1/2" = 1'-0"



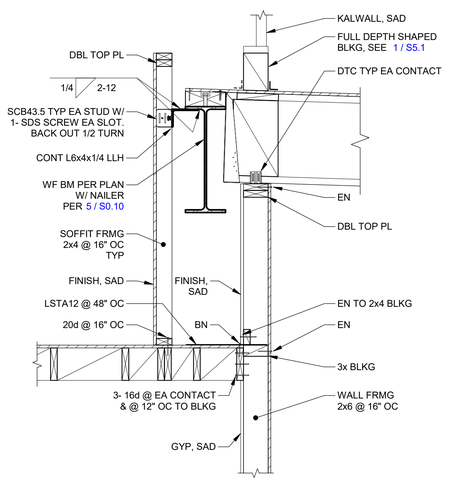
2 S5.2 DETAIL AT NORTHEAST ROOF
1/2" = 1'-0"



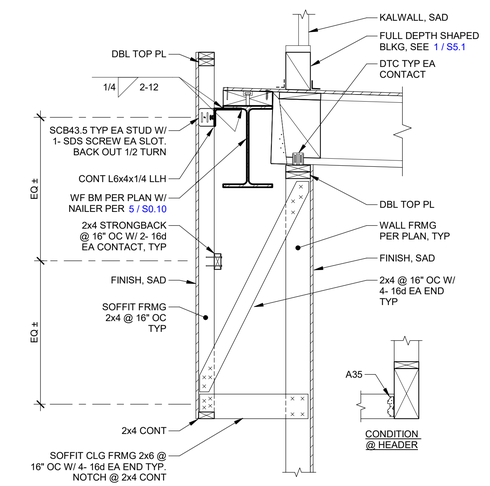
9 S5.2 SUPPORT COLUMNS AT PUBLIC ART
3/4" = 1'-0"



7 S5.2 SOFFIT AT FOLDING PARTITION
3/4" = 1'-0"



5 S5.2 SOFFIT AT ALCOVE
3/4" = 1'-0"



3 S5.2 TYPICAL SOFFIT FRAMING
3/4" = 1'-0"

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

WALNUT PARK LIBRARY
2700 LILLARD DR
DAVIS, CA 95618

WMB Project No. 19-022

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 150 N
SACRAMENTO, CA 95833
(916) 920-2020 WWW.CYSENG.COM
CONSULTANT - CYS Job No. 23051

REGISTERED PROFESSIONAL ENGINEER STRUCTURAL STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

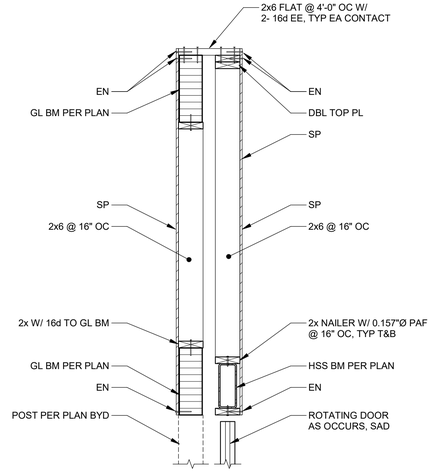
08.23.24	BID SET

FRAMING DETAILS

S5.2

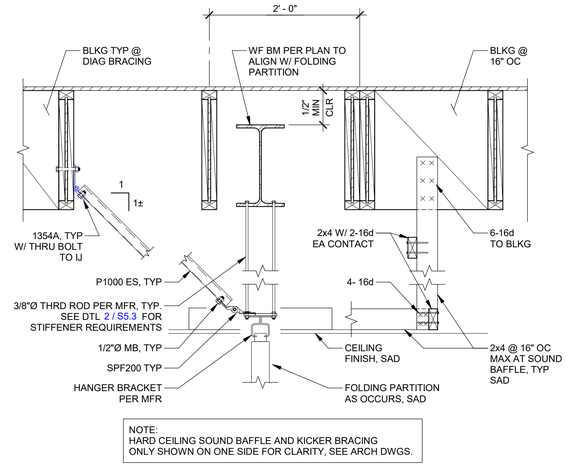
[redacted]

8/22/2024 1:13:57 PM Copyright WMB, Inc.



4 S5.3 SOFFIT AT ROTATING DOORS

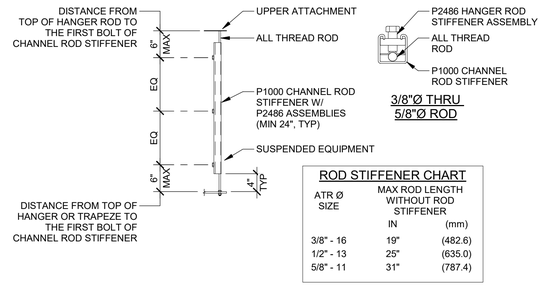
3/4" = 1'-0"



NOTE:
HARD CEILING SOUND BAFFLE AND KICKER BRACING
ONLY SHOWN ON ONE SIDE FOR CLARITY, SEE ARCH DWGS.

1 S5.3 RAIL BRACING AT PARTITION BEAM

1" = 1'-0"

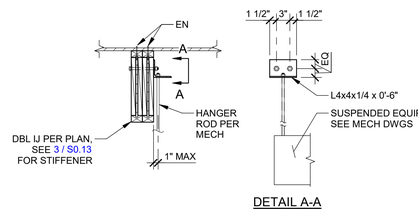


ROD STIFFENER CHART

ATR Ø SIZE	MAX ROD LENGTH WITHOUT ROD STIFFENER IN	(mm)
3/8" - 16	19"	(482.6)
1/2" - 13	25"	(635.0)
5/8" - 11	31"	(787.4)

2 S5.3 DETAIL

3/4" = 1'-0"



DETAIL A-A

3 S5.3 MECH SUPPORT AT I-JOISTS

3/4" = 1'-0"

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

WALNUT PARK LIBRARY
2700 LILLARD DR
DAVIS, CA 95618

WMB Project No. 19-022

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 150 N
SACRAMENTO, CA 95833
(916) 920-2020 WWW.CYSENG.COM
CONSULTANT - CYS Job No. 23051

REGISTERED PROFESSIONAL ENGINEER ARTHUR TERRY MAY STRUCTURAL STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

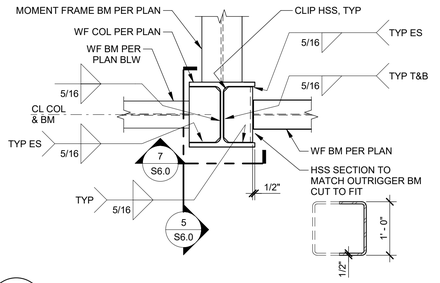
08.23.24	BID SET

FRAMING DETAILS

S5.3

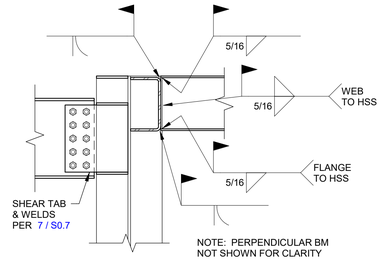
8/22/2024 1:13:58 PM

Copyright WMB, Inc.



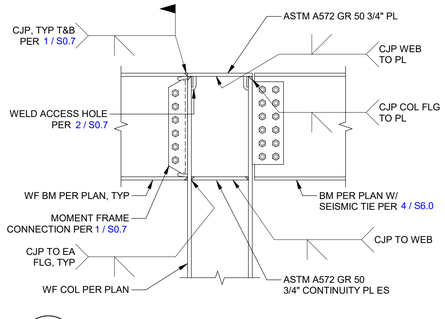
6 S6.0 DETAIL PLAN AT MOMENT FRAME

3/4" = 1'-0"



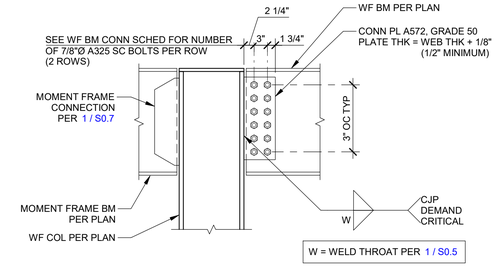
7 S6.0 DETAIL @ MOMENT FRAME

3/4" = 1'-0"



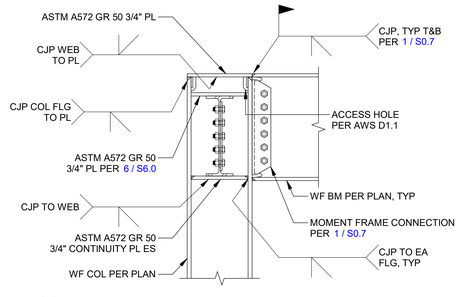
3 S6.0 COL CONTINUITY PL CONNECTION

3/4" = 1'-0"



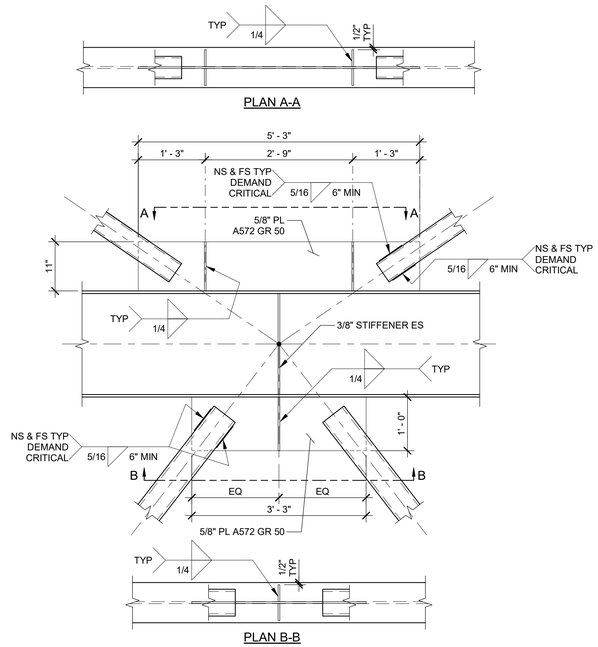
4 S6.0 SEISMIC TIE @ WF COL

NTS



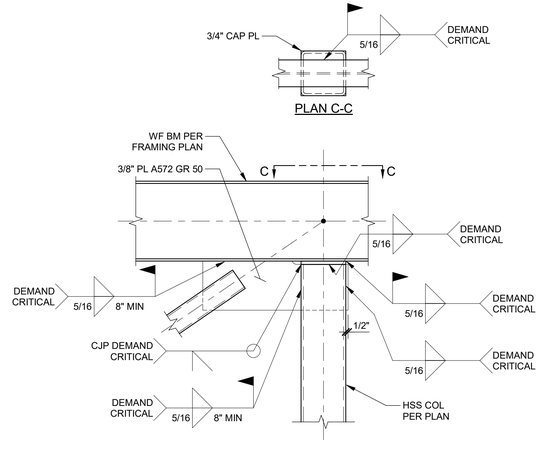
5 S6.0 COL CONTINUITY PL CONNECTION

3/4" = 1'-0"



1 S6.0 GUSSET PLATE DETAIL

3/4" = 1'-0"



2 S6.0 COL CAP AT GUSSET PL

3/4" = 1'-0"

WMB ARCHITECTS
5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

WALNUT PARK LIBRARY
2700 LILLARD DR
DAVIS, CA 95618

WMB Project No. 19-022

CYS STRUCTURAL ENGINEERS, INC.
2710 GATEWAY OAKS DRIVE, SUITE 150 N
SACRAMENTO, CA. 95833
(916) 920-2020 WWW.CYSENG.COM
CONSULTANT - CYS Job No. 23051

NOT FOR CONSTRUCTION

08.23.24	BID SET

BRACE FRAME & MOMENT FRAME DETAILS

S6.0

8/22/2024 1:14:00 PM

Copyright WMB, Inc.

FIRE SPRINKLER LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
ATF	ATF	AUTOMATIC FIRE SPRINKLER PIPING
	BFP/WM	BACKFLOW PREVENTOR/WATER METER
DSP	DSP	DRY STAND PIPE
	FDC	FIRE DEPARTMENT CONNECTION
	FH	FIRE HYDRANT
F	F	FIRE SPRINKLER PIPING
D	D	FIRE SPRINKLER PIPING DRAIN
	FSR	FIRE SPRINKLER RISER
	OS & Y	OUTSIDE STEM & YOKE VALVE
	P/V	POST INDICATOR VALVE
WSP	WSP	WET STAND PIPE
		UPRIGHT FIRE SPRINKLER HEAD
		PENDANT FIRE SPRINKLER HEAD
		SIDEWALL FIRE SPRINKLER HEAD

SPRINKLER SYSTEM DESIGN BASIS

BASIS OF DESIGN - SUPPLY PRESSURE

STATIC PRESSURE AVAILABLE IN SITE FIRE LOOP MAIN*: XX PSI (FIELD VERIFY)

*FOR REFERENCE ONLY, CONTRACTOR SHALL OBTAIN FIRE FLOW TEST PRIOR TO DESIGN AND CONSTRUCTION OF FIRE PROTECTION SYSTEMS.

DESIGN WATER DEMAND

BASIS OF DESIGN SPRINKLER FLOW BASED ON DENSITY/AREA CURVES OF NFPA 13 - FIGURE 11.2.3.1.1:

ORDINARY HZ, GR-1*, 1500 SF @ 0.15 GPM/FT2 = 250 GPM
HOSE STREAM ALLOWANCE** = 250 GPM
TOTAL DESIGN WATER DEMAND 500 GPM

* ORDINARY HAZARD, GROUP 1 IS DRIVING DEMAND FOR FLOW DETERMINATION
** COMBINED HOSE STREAM FOR ORDINARY HAZARD

DEFERRED SUBMITTAL NOTES

AUTOMATIC FIRE SPRINKLER SYSTEM IS A DEFERRED-APPROVAL ITEM.

DEFERRED SUBMITTALS FOR THE PERMIT SHALL BE SUBMITTED BY GENERAL CONTRACTOR FOR FIRE SPRINKLER SYSTEMS INCLUDING ANY MECHANICAL, ELECTRICAL, AND PLUMBING MODIFICATIONS TO ACCOMMODATE THE FIRE SPRINKLER SYSTEMS.

THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR HIRING LICENSED PROFESSIONALS AS REQUIRED TO DESIGN AND CONSTRUCT THE SYSTEMS INCLUDING PROVIDING SERVICES FOR THE PREPARATION OF DRAWINGS NECESSARY TO OBTAIN A REVIEW AND PERMIT APPROVAL FROM THE AUTHORITY HAVING JURISDICTION OVER THE PROJECT.

DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THE DESIGNATED SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE OFFICE OF THE STATE FIRE MARSHAL.

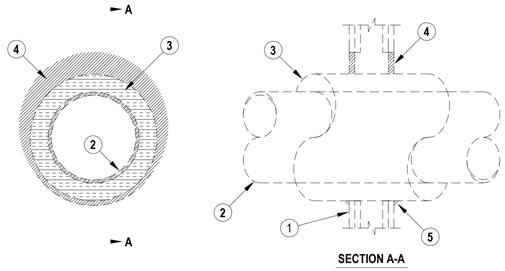
DEFERRED SUBMITTAL SHALL INCLUDE COMPREHENSIVE ENGINEERING ANALYSIS BY A CALIFORNIA LICENSED FIRE PROTECTION ENGINEER USING PERFORMANCE REQUIREMENTS AND DESIGN CRITERIA INDICATED ON THESE DRAWINGS AND THE CONTENTS OF SECTION 21 10 00 & SECTION 28 31 00 (INCLUDING RELATED AND/OR REFERENCED REQUIREMENTS IDENTIFIED THEREIN). SUBMITTAL SHALL INCLUDE COMPLETE HYDRAULIC CALCULATIONS AND CUTSHEETS FOR MATERIALS AND PRODUCTS USED IN THE SYSTEM.

FIRE PROTECTION NOTES

1. DRAWINGS SHALL BE CONSIDERED DIAGRAMMATIC ONLY. CONTRACTOR SHALL FIELD VERIFY WHERE POSSIBLE EXACT LOCATIONS, SIZES AND ELEVATIONS OF ALL (NEW & EXISTING) DUCTWORK, PIPING CONNECTIONS, OTHER WORK, ETC., PRIOR TO THE INSTALLATION OF ANY NEW WORK.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REVISIONS, TRANSISITIONS, OFFSETS, ETC., TO AVOID (NEW & EXISTING) DUCTWORK, PIPING, EQUIPMENT OR STRUCTURE AND TO MAKE A COMPLETE AND FUCTIONING SYSTEM.
3. INSTALL ALL WORK TO CLEAR ARCHITECTURAL, STRUCTURAL MEMVERS AND MECHANICAL SYSTEMS. ADJUST PIPING AS NECESSARY. NO ITEM SUCH AS PIPE, ETC., SHALL BE IN CONTACT WITH ANY EQUIPMENT. INSTALL ALL PIPING AS HIGH AS POSSIBLE OR AS SPECIFIED ON DRAWINGS TO MAINTAIN MAXIMUM ACCESSIBILITY.
4. THE ENTIRE SYSTEM IS TO BE DESIGNED IN ACCORDANCE WITH THE 2016 CALIFORNIA BUILDING CODE, LOCAL AND STATE FIRE MARSHAL REQUIREMENTS, THE LATESST EDITIONS OF THE NFPA CODES, AND ALL OTHER REGULATIONS THAT MAY APPLY.
5. INSTALLATION OF THE SPRINKLER SYSTEM SHALL NOT BE STARTED UNTIL COMPLETE PLANS AND SPECIFICATIONS, INCLUDING WATER SUPPLY INFORMATION HAVE BEEN APPROVED BY THE LOCAL FIRE MARSHAL AND ENGINEER OF RECORD. AT VARIOUS STAGES AND UPON COMPLETION, THE SYSTEM MUST BE TESTED IN THE PRESENCE OF THE INSPECTOR OF RECORD.
6. ALL AREAS OUTLINED ON PLANS SHALL BE FIRE SPRINKLERS. SEE PLANS FOR LOCATIONS. REFER TO DIVISION 21 SPECIFICATION FOR A COMPLETE DESCRIPTION OF FIRE PROTECTION REQUIREMENTS.
7. THE LOCATIONS OF RISERS, FEED MAINS, CROSS MAINS AND BRANCH PIPING WHERE SHOWN ON THE DRAWINGS IS APPROXIMATE. FINAL LOCATION IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE IN COMPLIANCE WITH THE SPECIFICATIONS AND ALL APPLICABLE CODES AND REGULATIONS.
8. ALL PIPING, HEADS, AND SPRINKLER WORK SHALL BE COORDINATED TO THE ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL WORK. PIPING SHALL BE CONCEALED, EXCEPT WHERE SO INDICATED OR WHERE ABSOLUTELY NECESSARY TO BE EXPOSED. EXPOSED PIPING SHALL BE PLACED AS APPROVED BY THE LOCAL FIRE MARSHAL PRIOR TO INSTALLATION.
9. IN GENERAL, HEADS SHALL BE SYMMETRICALLY LOCATED IN CENTER OF CEILING PANELS AND FULLY COORDINATED WITH CEILING OR SOFFIT LIGHT FIXTURES AND AIR CONDITIONING INLETS AND OUTLETS.
10. THE LOCATION OF FIRE SPRINKLER HEADS SHALL BE COORDINATED WITH CEILING LAYOUT AND ALL OTHER TRADES FOR COMPLETE FIRE PROTECTION COVERAGE OF ALL AREAS. PROVIDE DETAILED PLANS FOR APPROVAL BY THE LOCAL FIRE MARSHAL PRIOR TO INSTALLATION.
11. PROVIDE PENDENT AND/OR UPRIGHT TYPE SPRINKLER HEADS WHERE REQUIRED BY CBC.
12. SLEEVE EACH PIPE THRU CONCRETE SLABS AND SEAL WATERTIGHT. PROVIDE CEILING ESCUTCHEON AS REQUIRED. COORDINATE LOCATION OF ALL PIPE PENETRATIONS THRU CONCRETE SLABS WITH GENERAL CONTRACTOR.
13. PROVIDE FLEXIBLE CONNECTION EACH SIDE OF JOINT AT PIPE PENETRATIONS THRU BUILDING SEISMIC WALLS AND THRU BUILDING EXPANSION JOINTS.
14. DUE TO THE LIMITED SPACE AVAILABLE, ON-THE-JOB MEASUREMENT OF PIPE WILL BE REQUIRED. OFFSETS, PIPE, ADDITIONAL HEADS, FITTINGS, DRAINS, ETC., REQUIRED TO MEET JOB CONDITIONS SHALL BE FURNISHED AND INSTALLED AT NO EXTRA COST TO THE OWNER.
15. FIRE SPRINKLER HYDRAULIC DESIGN DENSITY SHALL BE PER NFPA 13.
16. FOR EXPOSED AREAS PIPING SHALL RUN PARALLEL TO STRUCTURE AND BEAMS, AS HIGH AS POSSIBLE, CONCEAL ADJACENT TO BEAMS AND STRUCTURE WHEREVER POSSIBLE. PIPING SHALL BE EXPOSED, PAINTED. HEADS SHALL BE UPRIGHT AND/OR SIDEWALL, STANDARD BRONZE FINISH.
17. PROTECT PENETRATIONS OF RATED FIRE ASSEMBLIES IN ACCORDANCE WITH THE CBC. REFER TO DETAILS 1/FP0.1 AND 2/FP0.1 FOR PENETRATION DETAILS.
18. NO PIPING SHALL BE INSTALLED IN OR OVER ANY ELECTRICAL OR DATA ROOMS OR OVER ELECTRICAL EQUIPMENT OTHER THAN TO SERVE HEADS WITHIN THE ROOM.
19. HILTI IS BASIS OF DESIGN FOR DETAILS 1/FP0.1 AND 2/FP0.1, ALTERNATE MANUFACTURERS WITH EQUAL PRODUCTS MEETING SPECIFICATION REQUIREMENTS ARE ACCEPTABLE. ALTERNATE MANUFACTURER'S UL DETAILS SHALL BE SUBMITTED AND AVAILABLE AT THE JOBSITE.

ANCHORAGE & BRACING NOTES

1. SHOP DRAWINGS AND ENGINEERING CALCULATIONS FOR ANCHORAGE, SUPPORT, AND SEISMIC BRACING OF MECHANICAL EQUIPMENT, PIPING AND ETC NOT SHOWN ON DRAWINGS SHALL BE PROVIDED BY THE CONTRACTOR AND SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER FOR REVIEW PRIOR TO FABRICATION. ALL SUBMITTALS SHALL BE SIGNED BY A CIVIL OR STRUCTURAL ENGINEER REGISTERED IN THE STATE OF CA.
2. ALL FIRE PROTECTION EQUIPMENT SHALL BE ANCHORED OR BRACED TO MEET THE HORIZONTAL AND VERTICAL FORCES PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN SECTIONS 13.6.8, 13.6.7, 16.6.5.6, AND 2013 CBC SECTIONS 1615A.1.20, 1615A.1.21, AND 1615A.1.22.
3. THE BRACING AND ATTACHMENTS TO STRUCTURE SHALL COMPLY WITH ONE OF THE OSHPD PRE-APPROVALS WITH AN OPA#, SUCH AS "MASON INDUSTRIES" (OPA 349) OR "ISAT" (OPA 485) AS MODIFIED TO SATISFY THE ANCHORAGE REQUIREMENTS OF ACI 318, APPENDIX D. COPIES OF THE MANUAL SHALL BE ON THE JOBSITE PRIOR TO STARTING HANGING AND BRACING OF THE PIPE DISTRIBUTION SYSTEMS.
4. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT BRACE LOADS.



SECTION A-A

System No. W-L-5029

CLASSIFIED UL C US

Classified by Underwriters Laboratories, Inc. to UL 1479 and CAN/ULC-S115

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings — 1, 2 and 3 Hr (See Items 1, 3 and 4)	F Ratings — 1, 2 and 3 Hr (See Items 1, 3 and 4)
T Ratings — 0, 1/2, 1 and 1-1/4 Hr (See Item 3)	FT Ratings — 0, 1/2, 1 and 1-1/4 Hr (See Item 3)
L Rating At Ambient — 4 CFM/Sq Ft	FH Ratings — 1, 2 and 3 Hr (See Items 1, 2 and 4)
L Rating At 400 F — Less Than 1 CFM/Sq Ft	FTH Ratings — 0, 1/2, 1 and 1-1/4 Hr (See Item 3)
	L Rating At Ambient — 4 CFM/Sq Ft
	L Rating At 400 F — Less Than 1 CFM/Sq Ft

1. Wall Assembly — The 1, 2 or 3 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400, V400 or W400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide for 1 and 2 hr F and FH rating and 3-1/2 in. (89 mm) wide for 3 hr F and FH rating and spaced max 24 in. (610 mm) OC.
   B. Gypsum Board* — Min 5/8 in. (16 mm) thick with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual Wall and Partition Design. Max diam of opening is 18-5/8 in. (473 mm).
   The hourly F and FH Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.
2. Through Penetrants — One metallic pipe or tubing to be installed within the firestop system. Pipe or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes or tubing may be used:
   A. Steel Pipe — Nom 12 in. (305 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
   B. Iron Pipe — Nom 12 in. (305 mm) diam (or smaller) cast or ductile iron pipe.
   C. Copper Tubing — Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing. When the hourly F or FH Rating of the firestop system is 3 hr, the nom diam of copper tube shall not exceed 4 in. (102 mm).
   D. Copper Pipe — Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe. When the hourly F or FH Rating of the firestop system is 3 hr, the nom diam of copper pipe shall not exceed 4 in. (102 mm).
3. Pipe Covering* — Nom 1, 1-1/2 or 2 in. (25, 38 or 51 mm) thick hollow cylindrical heavy density (min 3.5 pcf or 56 kg/m3) glass fiber units jacketed on the outside with an all service jacket. Longitudinal joints sealed with metal fasteners or factory-applied self-sealing lap tape. Transverse joints secured with metal fasteners or with butt tape supplied with the product. For 1 and 2 hr F and FH Ratings, the annular space between insulated penetrant and periphery of opening shall be min 0 in. (point contact) to max 1-7/8 in. (48 mm). For 3 hr F and FH Ratings, the annular space shall be min 0 in. (point contact) to max 1-1/4 in. (32 mm).
   See Pipe and Equipment Covering — Materials (BRGU) category in the Building Material Directory for the names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.
   The hourly T, FT, FTH Ratings of the firestop system are 1/2 hr for 1 hr rated walls and 1 hr for 2 hr rated walls. For 3 hr rated walls, the hourly T, FT and FTH Ratings when steel and iron pipes are used are 1 hr. For 3 hr rated walls, the hourly T, FT and FTH Ratings when copper penetrants are used are 1-1/4 hr for 2 in. (51 mm) thick pipe covering and 0 hr for pipe covering thickness less than 2 in. (51 mm).
3A. Pipe Covering* — (Not Shown) — As an alternate to Item 3, max 2 in. (51 mm) thick cylindrical calcium silicate (min 14 pcf) units sized to the outside diam of the pipe or tube may be used. Pipe insulation secured with stainless steel bands or min 18 AWG stainless steel wire spaced max 12 in. (305 mm) OC. When the alternate pipe covering is used, the T and FT Rating shall be as specified in item 3 above.
   See Pipe and Equipment Covering — Materials (BRGU) category in the Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.
4. Fill, Void or Cavity Material* — Sealant — For 1 and 2 hr F and FH Rating, min 5/8 in. (16 mm) thickness of fill material applied within the annulus, flush with both surfaces of wall. For 3 hr F and FH Rating, min 1 in. (25 mm) thickness of fill material applied within the annulus, flush with both surfaces of wall. At the point contact location between pipe covering and gypsum board, a min 1/2 in. (13 mm) diam bead of fill material shall be applied at the pipe covering/gypsum board interface on both surfaces of wall.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-One Sealant

*Bearing the UL Classification Mark

HILTI
Hilti Firestop Systems

Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. May 30, 2012

1 FP0.1 FIRE WATER SERVICE ENTRANCE

SCALE: NONE

2 FP0.1 WET PIPE FIRE SPRINKLER RISER

SCALE: NONE

3 FP0.1 PIPE PENETRATION DETAIL (STUD)

SCALE: NONE

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY

Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

capital engineering

Rancho Cordova, California

JD - HC/AL PM - DESIGN TEAM | 230712.00 PROJECT NO.

REGISTERED PROFESSIONAL ENGINEER — JUSTIN D. SHELTON — No. 30720 — MECHANICAL — STATE OF CALIFORNIA

NOT FOR CONSTRUCTION

DATE SIGNED:

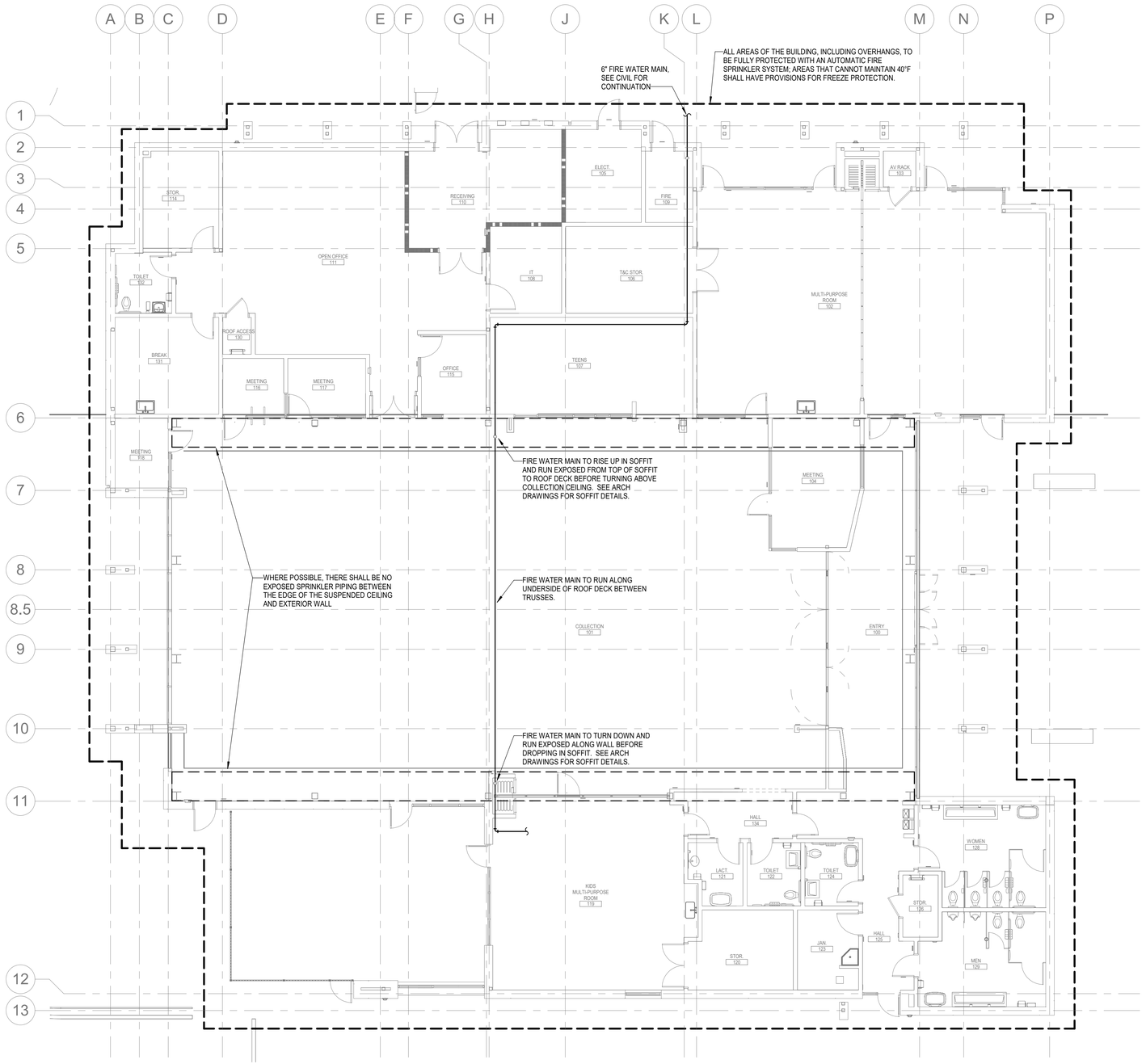
08.23.24	BID SET

FIRE PROTECTION LEGENDS & NOTES

FP0.1

8/24/2024 11:05:48 PM

Copyright WMB, Inc.



1 FP2.1 FIRE PROTECTION FLOOR PLAN

SCALE: 1/8" = 1'-0"

GENERAL NOTES

THE INSTALLING CONTRACTOR SHALL IDENTIFY A HYDRAULICALLY DESIGNED SPRINKLER SYSTEM WITH A PERMANENTLY MARKED WEATHERPROOF METAL OR RIGID PLASTIC SIGN, SECURE WITH CORROSION-RESISTANT WIRE, CHAIN, OR OTHER APPROVED MEANS. SUCH SIGNS SHALL BE PLACED AT THE ALARM VALVE, DRY PIPE VALVE, PREACTION VALVE, OR DELUGE VALVE SUPPLYING THE CORRESPONDING HYDRAULICALLY DESIGNED AREA.
THE AREA SHALL INCLUDE THE FOLLOWING INFORMATION:

a. LOCATION OF THE DESIGN AREA OR AREAS
b. DISCHARGE DENSITIES OVER THE DESIGN AREA OR AREAS
c. REQUIRED FLOW AND RESIDUAL PRESSURE DEMAND AT THE BASE OF THE RISER
d. HOSE STREAM DEMAND INCLUDED IN ADDITION TO THE SPRINKLER DEMAND (2022 EDITION OF NFPA 13, SECTION 29.4 & 29.6)

THE AUTOMATIC FIRE SPRINKLER SYSTEM SHALL CONFORM TO THE REQUIREMENTS OF NFPA 13, 2022 ED. INSTALLATION OF THE FIRE SPRINKLER SYSTEM SHALL NOT BE STARTED UNITL COMPLETE PLANS AND SPECIFICATIONS (INCLUDING WATER SUPPLY INFORMATION AND TYPE OF SYSTEM, IF ANY) HAVE BEEN APPROVED BY THE AUTHORITY HAVING JURISDICTION. AT VARIOUS STAGES AND UPON COMPLETION, THE SYSTEM SHALL BE TESTED IN THE PRESENCE OF THE AUTHORITY HAVING JURISDICTION.

PROVIDE FIRESTOPPING DESIGN AND DETAILS SHOWING THE REQUIRED CLEARANCES AND FLEXIBLE FIRE-STOP SYSTEM/SEALANT WHERE SPRINKLER PIPING PENETRATES RATED WALLS WHERE OPENINGS ARE REQUIRED TO BE PROTECTED (2022 CBC SECTION 714).

A CABINET WITH A STOCK OF SPARE SPRINKLERS AND SPECIAL SPRINKLER WRENCH SHALL BE PROVIDED. LOCATION OF THE CABINET, NUMBER AND TYPE OF SPRINKLERS SHALL CONFORM TO NFPA 13 2022 ED, SECTION 16.2.7.3.

DEFERRED SUBMITTAL

THE ENTIRE AUTOMATIC FIRE SPRINKLER SYSTEM IS A DEFERRED-APPROVAL ITEM.

DEFERRED SUBMITTALS FOR PERMITS SHALL BE SUBMITTED BY OTHERS. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR HIRING ***LICENSED PROFESSIONALS AS REQUIRED TO DESIGN AND BUILD THE SYSTEMS*** AS WELL AS PROVIDE SERVICES TO INCLUDE THE PREPARATION OF DRAWINGS AS REQUIRED FOR PERMIT FROM THE AUTHORITY HAVING JURISDICTION OVER THE PROJECT FOR REVIEW & APPROVAL. ***THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THE DESIGN AND SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE AUTHORITY HAVING JURISDICTION.***

DEFERRED SUBMITTAL SHALL INCLUDE COMPREHENSIVE ENGINEERING ANALYSIS BY A CA LICENSED PROFESSIONAL FIRE PROTECTION ENGINEER, USING PERFORMANCE REQUIREMENTS AND DESIGN CRITERIA INDICATED ON THESE DRAWINGS AND THE CONTENTS OF SECTION 21 10 00. SUBMITTAL SHALL INCLUDE COMPLETE HYDRAULIC CALCULATIONS AND CUTSHEETS FOR MATERIALS AND PRODUCTS USED IN THE SYSTEM.

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY

Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

capital engineering
RANCHO CORDOVA, CALIFORNIA

JD - HC/AL
PM - DESIGN TEAM

230712.00
PROJECT NO.

REGISTERED PROFESSIONAL ENGINEER
KEVIN D. STILLMAN
M 33498
EXPIRES 9/30/26
MECHANICAL
STATE OF CALIFORNIA

DATE SIGNED:

08.23.24	BID SET

FIRE PROTECTION FLOOR PLAN

FP2.1

8/24/2024 11:05:49 PM
Copyright WMB, Inc.

SYMBOLS LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
	---	3 WAY MODULATING CONTROL VALVE
	---	3 WAY TWO POSITION CONTROL VALVE
	---	3 WAY VALVE
	---	ANCHOR
	---	ANGLE GLOBE VALVE
	AVN	ANGLE VALVE
	AQ	AQUASTAT
	AD	AREA DRAIN
	---	AUTOMATIC AIR VENT
	---	AUTOMATIC FLOW CONTROL
BD	BDD	BACK DRAFT DAMPER
	BFP, BP, DCW	BACKFLOW PREVENTER, REDUCE PRESSURE, DOUBLE CHECKVALVE
	---	BALANCING VALVE
	---	BALL JOINT
	---	BALL VALVE
	---	BOTTOM CONNECTION
	---	BUTTERFLY VALVE
BPT	BPT	BYPASS TIMER
	CBV	CALIBRATED BALANCE VALVE
	CB, RD	CATCH BASIN, ROOF DRAIN
	---	CHECK VALVE
	---	CIRCUIT SETTER VALVE
	CP	CIRCULATING PUMP
	CO	CLEANOUT
DS	DS	DYNAMIC SENSOR
	---	ECCENTRIC REDUCER
	EJ	EXPANSION JOINT
F	FD	FIRE DAMPER
	FDC	FIRE DEPARTMENT CONNECTION
	FHC	FIRE HOSE RACK AND CABINET
	FH	FIRE HYDRANT
FS	FS	FIRE/SMOKE DAMPER
	---	FLEXIBLE CONNECTOR
	---	FLOAT & THERMOSTATIC TRAP
	FD	FLOOR DRAIN
	FS	FLOOR SINK
	---	FLOW ARROW
FE	---	FLOW ELEMENT
	FLV	FLOW LIMITING VALVE
FS	FS	FLOW SWITCH
	GCK	GAGE COCK

SYMBOLS LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
	GSCK, PC	GAS COCK, PLUG COCK
	GM	GAS METER
	GPR	GAS PRESSURE REGULATOR
	---	GATE VALVE WITH HOSE ADAPTER
	---	GATE VALVE
	---	GLOBE VALVE
	HD	HOPPER DRAIN
	HB	HOSE BIBB
	HB	HOSE BIBB
H X	H	HUMIDISTAT
	---	INVERTED BUCKET TRAP
	---	LIMIT OF DEMOLITION
	---	MANUAL AIR VENT
	---	MODULATING CONTROL VALVE
	---	PIPE BREAK
	---	PIPE CAP
	---	PIPE DOWN
	---	PIPE GUIDE
	---	PIPE UP
	---	POINT OF CONNECTION
	PIV	POST INDICATOR VALVE
	PRV	PRESSURE REGULATING VALVE
	---	PRESSURE RELIEF VALVE
	---	REDUCER
SD	SD	SMOKE DAMPER
SD	SKD	SMOKE DETECTOR
	---	SOLENOID VALVE
	---	STRAINER
TS X	TS	TEMPERATURE SENSOR
	---	TEST PLUG
	---	THERMOMETER
T X	T	THERMOSTAT
	TP	TRAP PRIMER
	---	TWO POSITION CONTROL VALVE
	---	UNION
	---	VALVE IN RISER/DROP
	VB	VALVE IN VALVE BOX
	---	WALL CLEANOUT
	WHA	WATER HAMMER ARRESTOR
WM	WM	WATER METER

HVAC ABBREVIATIONS

SYMBOL	DESCRIPTION
ABC	ABOVE CEILING
ABV	ABOVE
ACC DR	ACCESS DOOR
ACC P	ACCESS PANEL
ACU	AIR CONDITIONING UNIT
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
APD	AIR PRESSURE DROP, INCHES WATER COLUMN
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
ATTEN	ATTENUATORS
ATV	ACOUSTIC TURNING VANE
BD	BALANCE DAMPER
BDD	BACK DRAFT DAMPER
BHP	BRAKE HORSE POWER
BLDG	BUILDING
BOD	BOTTOM OF DUCT
BOR	BOTTOM OF REGISTER
BTUH	BRITISH THERMAL UNITS PER HOUR
CAP	CAPACITY
CD	CONDENSATE DRAIN
CEF	CEILING EXHAUST FAN
CFH	CUBIC FEET OF GAS PER HOUR
CFM	CUBIC FEET OF AIR FLOW PER MINUTE
CHV	CHECK VALVE
CLG	CEILING
CLR	CLEAR
CONC	CONCRETE
COND	CONDENSER
CONN	CONNECT/CONNECTION
CONT	CONTINUATION
CONTR	CONTRACTOR
D	DAMPER
DIA	DIAMETER
DL	DOOR LOUVER
DN	DOWN
DSP	DRY STAND PIPE
DB	DRY BULB
DTR	DOWN THROUGH ROOF
DWG	DRAWING
EA	EXHAUST AIR
EAD	EXHAUST AIR DAMPER
EC	EVAPORATIVE COOLER
EDB	ENTERING DRY BULB
EER	ENERGY EFFICIENCY RATING
EF	EXHAUST FAN
EFF	EFFICIENCY
EH	EXHAUST HOOD
EL	ELEVATION
ELEC	ELECTRIC/ELECTRICAL
ENT	ENTERING
EQUIP	EQUIPMENT
ESP	EXTERNAL STATIC PRESSURE
EVAP	EVAPORATOR
EW	ENTERING WATER
EWB	ENTERING WET BULB
EWC	ELECTRIC WATER COOLER
EWT	ENTERING WATER TEMPERATURE
EXH	EXHAUST
EXT	EXPANSION TANK
f	CUBIC FEET OF AIR FLOW PER MINUTE
F	DEGREES FAHRENHEIT
FA	FROM ABOVE
FB	FROM BELOW
FC	FLEXIBLE CONNECTION
FCV	FLOW CONTROL VALVE
FD	FIRE DAMPER
FIN	FINISH
FLA	FULL LOAD AMPS
FLR	FLOOR
FPM	FEET PER MINUTE
FSD	FIRE AND SMOKE DAMPER
FT (')	FOOT OR FEET
FT ^{2}	SQUARE FEET
FV	FACE VELOCITY
GA	GAUGE
GALV	GALVANIZED
GI	GALVANIZED IRON
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HC	HEATING COIL
HDG	HEAVY DUTY GRILLE
HP	HORSE POWER
HPS	HIGH PRESSURE STEAM
HTG	HEATING
HW	HOT WATER
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
IE	INVERT ELEVATION
IN, (")	INCH
IN ^{2}	SQUARE INCHES

SYMBOL	DESCRIPTION
KEF	KITCHEN EXHAUST FAN
KW	KILOWATTS
LAV	LAVATORY
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LD	LOUVERED DOOR
LDB	LEAVING DRY BULB
LPS	LOW PRESSURE STEAM
LRA	LOCKED ROTOR AMPS
LTCP	LOCAL TEMPERATURE CONTROL PANEL
LVR	LOUVER
LWB	LEAVING WET BULB
LWT	LEAVING WATER TEMPERATURE
MAT	MIXED AIR TEMPERATURE
MAU	MAKE-UP AIR UNIT
MAV	MANUAL AIR VENT
MAX	MAXIMUM
MBH	THOUSAND BTUs PER HOUR
MCA	MINIMUM CIRCUIT AMPACITY
MD	MOTORIZED
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MOCP	MAXIMUM OVERCURRENT PROTECTION
OA	OUTSIDE AIR
OAD	OUTSIDE AIR DAMPER
OC	ON CENTER
OD	OUTSIDE DIAMETER
OH	OVERHEAD
PCR	PUMPED CONDENSATE RETURN
PD	PRESSURE DROP
PRV	PRESSURE REDUCING VALVE/ PRESSURE REGULATING VALVE
PSI (G) (A)	POUNDS PER SQUARE INCH (GAUGE) (ABSOLUTE)
RA	RETURN AIR
RAD	RETURN AIR DAMPER
REF	ROOF EXHAUST FAN
RF	RETURN FAN
RPM	REVOLUTIONS PER MINUTE
RLA	RATED LOAD AMPS
RV	RELIEF VENTILATOR
S & R	SUPPLY AND RETURN
SA	SUPPLY AIR
SAD	SEE ARCHITECTURAL DRAWINGS
SB	SECURITY BARS
SEER	SEASONAL ENERGY EFFICIENCY RATING
SF	SUPPLY FAN
SM	SHEET METAL
SOV	SHUT OFF VALVE
SP	STATIC PRESSURE
SPD	STATIC PRESSURE DROP
SQ FT	SQUARE FEET
SQ IN	SQUARE INCHES
SS	STAINLESS STEEL
STR	STRAINER
STRUC	STRUCTURAL
TA	TO ABOVE
TB	TO BELOW
T.C.C.	TEMPERATURE CONTROL CONTRACTOR
TCP	TEMPERATURE CONTROL PANEL
TCV	TEMPERATURE CONTROL VALVE
TEMP	TEMPERATURE
TP	TOTAL PRESSURE
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
UCD	UNDERCUT DOOR
UF	UNDERFLOOR
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
UTR	UP THROUGH ROOF
V (VTR)	VENT (VENT THROUGH ROOF)
VAC	VACUUM
VD	VOLUME DAMPER
VF	VENTILATION FAN
VLV	VALVE
VRF	VARIABLE REFRIGERANT FLOW
W	WATTS
WALL MTD (R)	WALL MOUNTED (RECESSED)
WB	WET BULB
WC	WATER CLOSET
WMS	WIRE MESH SCREEN
WPD	WATER PRESSURE DROP FEET OF WATER COLUMN
WT	WEIGHT

DUCT LEGEND

SINGLE LINE SYMBOL	DOUBLE LINE SYMBOL	DESCRIPTION
24x12	24x12	RECTANGULAR DUCT: WIDTH x DEPTH (PLAN VIEW) DEPTH x WIDTH (SECTION VIEW)
26x14L	26x14L	ACOUSTICALLY LINED RECTANGULAR DUCT - DIMENSIONS ARE OUTSIDE
		MANUAL AIR DAMPER
R or D	R or D	RISE OR DROP DUCT IN DIRECTION OF AIR FLOW
OR		RECTANGULAR TO RECTANGULAR TRANSISTION OR ROUND TO ROUND TRANSITION, MAX. SLOPE OF 1:3
		RECTANGULAR TO ROUND TRANSITION, MAX. SLOPE OF 1:3
	W, R, R/W = 1.5	ELBOW, RECTANGULAR, SMOOTH RADIUS, WITHOUT TURNING VANES
		SQUARE/RECTANGULAR DUCT ELBOW WITH TURNING VANES
		CONVERGING OR DIVERGING TEE, 45° ENTRY, RECTANGULAR MAIN AND BRANCH. WHEN REDUCING MAIN, SIDE OF TAKE OFF OR ENTRY BRANCH TO BE FLAT, OTHER SIDES MAX. SLOPE OF 1:3
ROUND DUCT		ROUND DUCT TAKE OFF FROM RECTANGULAR VIA SMOOTH CONVERGING BELL MOUTH
		RECTANGULAR DUCT TEE MAD'S ON THE 2 BRANCHES, THROAT SIZED FOR EQUAL PRESSURE DROP
		RECTANGULAR DUCT SPLIT MAD'S, THROAT SIZED FOR EQUAL PRESSURE DROP
		3-WAY RECTANGULAR SPLIT WITH TWO TRANSITIONAL ELBOWS AND TRANSITIOINING MAIN. DOWNSTREAM MAD'S OF THE TREE BRANCHES. THROATS SIZED FOR EQUAL PRESSURE DROP.
		FOR CONCEALED DUCT: DROP TO DIFFUSER SHALL BE FULL SIZE OF DIFFUSER NECK. fOR EXPOSED DUCT: DROP SHALL BE FULL SIZE OF OD DIFFUSER FRAME, FLANGE FOR MOUNTING DIFFUSER TURNED IN. AIR EXTRACTOR AND EQUALIZER GRID AT CONNECTION TO MAIN.
		SUPPLY AIR, SUPPLY DROP/RISE
		RETURN AIR, RETURN AIR DROP/RISE
		EXHAUST AIR, EXHAUST AIR DROP/RISE
		NEW - FLEXIBLE DUCT (ROUND)
	OR	EXISTING - FLEXIBLE DUCT (ROUND)
10"Ø, 18"Ø, 12"Ø	10"Ø, 18"Ø, 12"Ø	45° REDUCING LATERAL FITTING
18"Ø, 10"Ø, 12"Ø	18"Ø, 10"Ø, 12"Ø	90° REDUCING TEE FITTING

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY

Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

capital engineering

RANCHO CORDOVA, CALIFORNIA

JD - HC/AL — PM - DESIGN TEAM
230712.00 — PROJECT NO.

STEVEN D. SCHMIDT — REGISTERED PROFESSIONAL ENGINEER — MECHANICAL — STATE OF CALIFORNIA

NOT FOR CONSTRUCTION

DATE SIGNED:

08.23.24	BID SET

HVAC LEGENDS

M0.1

8/24/2024 11:05:49 PM

Copyright WMB, Inc.

VRF BRANCH SELECTOR SCHEDULE

EQUIP TAG	"CARRIER" MODEL	# OF PORTS	SYSTEM SERVED	ELECTRICAL DATA			OPER. WT. [LBS]	MOUNTING DETAIL	CONTROL DIAGRAM	NOTES
				VOLT/PH	MCA	MOP				
BS-1	Y0611F6PUL	6	HP-1	208/1	1.0	15	140	5/M5.1	1/M6.1	1
BS-2	Y0611F4PUL	4	HP-1	208/1	0.7	15	100	5/M5.1	1/M6.1	1
BS-3	Y0611F6PUL	6	HP-2	208/1	1.0	15	140	5/M5.1	1/M6.1	1
BS-4	Y0611F4PUL	4	HP-1	208/1	0.7	15	100	5/M5.1	1/M6.1	1

NOTES:

1. FOR VRF REFRIGERANT PIPE SIZES, SEE PIPING DIAGRAMS ON SHEET M4.1.

VRF HEAT PUMP SCHEDULE

EQUIP TAG	"CARRIER" MODEL	COOLING CAP [MBH]	HEATING CAP [MBH]	ELECTRICAL DATA					EER	IEER	OPER. WT. [LBS]	MOUNTING DETAIL	CONTROL DIAGRAM	NOTES
					MODULE 1		MODULE 2							
				VOLT/PH	MCA	MOP	MCA	MOP						
HP-1	MMY-AP1926FT6P-UL	179.7	193.5	208/3	34.2	40	34.2	40	11.9	23.3	1510	1 & 2/M5.3	1/M6.1	1 THRU 4
HP-2	MMY-AP264S6FT6P	241.7	265.2	208/3	52.1	60	45.4	50	10.9	21.8	1830	1 & 2/M5.3	1/M6.1	1 THRU 4

NOTES:

1. UNIT SELECTED AT 103°F DB / 71°F WB SUMMER AMBIENT, 24°F DB WINTER AMBIENT AIR TEMPERATURES.
2. PROVIDE UNIT WITH R-410A REFRIGERANT.
3. FOR VRF REFRIGERANT PIPE SIZES, SEE PIPING DIAGRAMS ON SHEET M4.1.
4. UNIT CONSISTS OF TWO HEAT PUMP MODULES. PROVIDE SEPARATE ELECTRICAL CONNECTIONS FOR EACH MODULE.

VRF FAN COIL UNIT SCHEDULE

EQUIP TAG	"CARRIER" MODEL	TYPE	SYSTEM SERVED	NOMINAL TONS	AIR FLOW [CFM]	MIN OA [CFM]	ESP [IN. W.G.]	COOLING CAP. [BTUH]		HEATING CAP [BTUH]	ELECTRICAL DATA			OPER. WT. [LBS]	MOUNTING DETAIL	CONTROL DIAGRAM	NOTES
								SENSIBLE	TOTAL		VOLT/PH	MCA	MOP				
FCU-1	MMU-UP0071MH-UL	CASSETTE	HP-1	0.625	325	35	0	5,830	7,110	7,700	208/1	0.5	15	40	7/M5.1	1/M6.1	1 THRU 4
FCU-2	MMD-UP0181BHP-UL	DUCTED	HP-1	1.5	625	115	0.4	12,800	17,060	18,120	208/1	1.91	15	90	6/M5.1	1/M6.1	1 THRU 4
FCU-3	MMU-UP0071MH-UL	CASSETTE	HP-1	0.625	325	35	0	5,830	7,110	7,700	208/1	0.5	15	40	7/M5.1	1/M6.1	1 THRU 4
FCU-4	MMU-UP0071MH-UL	CASSETTE	HP-1	0.625	325	50	0	5,830	7,110	7,700	208/1	0.5	15	40	7/M5.1	1/M6.1	1 THRU 4
FCU-5	MMU-UP0071MH-UL	CASSETTE	HP-1	0.625	325	15	0	5,830	7,110	7,700	208/1	0.5	15	40	7/M5.1	1/M6.1	1 THRU 4
FCU-6	MMD-UP0301BHP-UL	DUCTED	HP-1	2.5	750	180	0.6	21,330	28,440	30,810	208/1	2.31	15	115	6/M5.1	1/M6.1	1 THRU 4
FCU-7	MMD-UP0121BHP-UL	DUCTED	HP-1	1	600	60	0.4	8,530	11,380	12,230	208/1	1.1	15	90	6/M5.1	1/M6.1	1 THRU 4
FCU-8	MMD-UP0421BHP-UL	DUCTED	HP-1	3.5	1125	360	0.6	29,860	39,820	43,050	208/1	3.39	15	150	6/M5.1	1/M6.1	1 THRU 4
FCU-9	MMD-UP0481BHP-UL	DUCTED	HP-1	4	1175	390	0.6	34,130	45,500	48,940	208/1	3.56	15	150	6/M5.1	1/M6.1	1 THRU 4
FCU-10	MMU-UP0091MH-UL	CASSETTE	HP-1	0.8	350	100	0	7,110	9,010	9,520	208/1	0.5	15	40	7/M5.1	1/M6.1	1 THRU 4
FCU-11	MMD-UP0481BHP-UL	DUCTED	HP-2	4	1175	130	0.6	34,130	45,500	50,160	208/1	3.56	15	150	6/M5.1	1/M6.1	1 THRU 5
FCU-12	MMD-UP0541BHP-UL	DUCTED	HP-2	4.5	1175	290	0.6	38,390	51,190	55,730	208/1	3.56	15	150	6/M5.1	1/M6.1	1 THRU 5
FCU-13	MMD-UP0541BHP-UL	DUCTED	HP-2	4.5	1175	280	0.6	38,390	51,190	55,730	208/1	3.56	15	150	6/M5.1	1/M6.1	1 THRU 5
FCU-14	MMD-UP0361BHP-UL	DUCTED	HP-2	3	1125	105	0.6	25,600	34,130	37,150	208/1	3.39	15	150	6/M5.1	1/M6.1	1 THRU 5
FCU-15	MMD-UP0421BHP-UL	DUCTED	HP-2	3.5	1125	345	0.6	29,860	39,820	44,120	208/1	3.39	15	150	6/M5.1	1/M6.1	1 THRU 4
FCU-16	MMD-UP0211BHP-UL	DUCTED	HP-2	1.75	700	160	0.6	14,980	19,910	22,290	208/1	2.23	15	115	6/M5.1	1/M6.1	1 THRU 4

NOTES:

1. UNIT SELECTED AT 103°F DB / 71°F WB SUMMER AMBIENT, 24°F DB WINTER AMBIENT AIR TEMPERATURES.
2. UNIT PROVIDED WITH INTEGRAL CONDENSATE PUMP.
3. FOR VRF REFRIGERANT PIPE SIZES, SEE PIPING DIAGRAMS ON SHEET M4.1.
4. PROVIDE WITH 2" MERV-13 FILTERS IN FILTER BOXES AT DUCTED FAN COILS.
5. INSTALL SMOKE DUCT DETECTOR IN SUPPLY AIR DUCT MAIN FOR AUTOMATIC SHUTDOWN OF HVAC SYSTEM UPON SENSING SMOKE. PROVIDED, POWERED, AND INTERLOCKED WITH FIRE ALARM SYSTEM BY DIV. 26, INSTALLED AND CONNECTED TO ERV BY DIV. 23.

SPLIT SYSTEM INDOOR UNIT...

EQUIP TAG	"CARRIER" MODEL	NOMINAL TONS	COOLING CAP [MBH]	VOLT/PH	OPER WT [LBS]	MOUNTING DETAIL
SAC-1	40MAHBQ24XA3	2	24	208/1	175	1/M5.2
SAC-2	40MAHBQ24XA3	2	24	208/1	175	1/M5.2

SPLIT SYSTEM OUTDOOR UNIT SCHEDULE

EQUIP TAG	"CARRIER" MODEL	COOLING CAP [MBH]	REF LINE SIZE		ELECTRICAL DATA				OPER WT [LBS]	MOUNTING DETAIL	CONTROL DIAGRAM	NOTES
			RL [IN]	RS [IN]	VOLT/PH	MCA	MOCP	SEER				
SCU-1	38MARBQ24AA3	24	1/4	5/8	208/1	25	35	21.5	130	5/M5.2	1/M6.3	1 THRU 3
SCU-2	38MARBQ24AA3	24	1/4	5/8	208/1	25	35	21.5	130	5/M5.2	1/M6.3	1 THRU 3

NOTES:

1. INSTALL MANUFACTURER'S REFRIGERANT LINESET IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. PROVIDE ADDITIONAL REFRIGERANT PIPING WHERE REQUIRED.
2. PROVIDE WITH MANUFACTURER'S WASHABLE FILTERS.
3. PROVIDE WITH 'BLUE DIAMOND' X87-721 CONDENSATE PUMP.

MECHANICAL GENERAL NOTES

1. ALL WORK SHALL COMPLY WITH ALL APPLICABLE CODES, SPECIFICATIONS, LOCAL ORDINANCES, AND INDUSTRY STANDARDS.
2. COORDINATE EXACT LOCATION OF EQUIPMENT AND ALL PENETRATIONS THROUGH ROOF, FLOORS, AND WALLS WITH ARCHITECTURAL STRUCTURAL SYSTEMS PRIOR TO COMMENCING WORK.
3. COORDINATE EXACT SIZE AND ROUTING OF DUCTWORK WITH ARCHITECTURAL PLANS, STRUCTURE, AND EQUIPMENT PRIOR TO COMMENCING WORK.
4. SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL CEILING DIFFUSERS, REGISTERS, AND GRILLES.
5. FURNISH AND INSTALL MANUAL AIR DAMPERS AT ALL DUCT BRANCH TAKEOFFS TO A SINGLE DIFFUSER, REGISTER, OR GRILLE.
6. FLEXIBLE DUCTWORK CONNECTIONS TO CEILING DIFFUSERS ARE LIMITED TO 5' MAXIMUM LENGTH.
7. WHERE INLET DUCT DIAMETER AND DIFFUSER NECK SIZE ARE THE SAME (I.E. 9"ø AND 9x9) CONTRACTOR SHALL OVERSIZE THE SHEET METAL PLENUM TO ACCOMODATE THE ROUND DUCT CONNECTION.

PIPING, DUCTWORK & ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8 AND CBC 2022, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL BE DETAILED ON THE APPROVED DRAWINGS OR THEY SHALL COMPLY WITH ONE OF THE OSHPD PRE-APPROVALS (OPM #)

COPIES OF THE MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF HANGING THE BRACING OF THE PIPE, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS.

THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC, SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 29 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (e.g. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
3. MOVABLE EQUIPMENT THAT IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF THAT DIRECTLY SUPPORT THE EQUIPMENT ARE TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE ATTACHMENT OF THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.

B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTION SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

TABLE OF BRANCH DUCT SIZES TO INDIVIDUAL DIFFUSERS, GRILLES, & REGISTERS (3) (4)

CFM	DUCT SIZE (INCHES) (1)			
	ROUND	SQUARE	RECTANGULAR	MIN. AREA (SQ. IN.) (2)
0-100	6"	6x6	6x6	36
101-210	8"	8x8	8x6	48
211-380	10"	10x10	10x8	80
381-600	12"	12x12	12x10, 16x8	120
601-900	14"	14x14	14x12, 16x10, 20x8	160
901-1300	16"	16x16	16x14, 18x12, 22x10	220
1301-1800	18"	18x18	18x16, 20x14, 22x12	264
1801-2400	20"	20x20	22x16, 24x14, 30x12	340

NOTES:

(1) SIZE OF BRANCH DUCT IF SHOWN ON PLANS OR FROM ABOVE TABLE IS NOT THE INLET SIZE TO DIFFUSER, GRILLE OR REGISTER. PROVIDE PLENUM BOX. SEE NOTE (3)

(2) MINIMUM DUCT AREA TO BE USED FOR ALTERNATE DUCT SIZES (DIFFERENT THAN THE TABLE) WHEN REQUESTED BY CONTRACTOR FOR SA, RA, AND EA

(3) SEE 1/M5.1 FOR PLENUM BOX AT DIFF/REG/GRILLE AND FOR DETAIL OF DUCT BRANCH CONNECTION TO OUTLET (AND INLET) PLENUMS AT DIFF/REG/GRILLE

(4) ALL DUCT SIZES SHALL BE SHOWN CLEARLY ON THE CONTRACTORS SUBMITTAL DRAWINGS. SHOW SIZE OF EACH DUCT ON THE PLANS AT EACH DUCT LOCATION

DIFFUSER, REGISTER & GRILLE SCHEDULE

SYMBOL	DESCRIPTION	KRUEGER	METALAIRE	PRICE	TITUS	TUTTLE & BAILEY
CD ☒	MODULAR CORE SURFACE MOUNT CEILING DIFFUSER FLAT FRAME	1240 FRAME 22	9000-1	SMCD FRAME 1	MCD BORDER TYPE 1	SQD-SF
CDL ☒	MODULAR CORE LAY-IN CEILING DIFFUSER FOR T-BAR CEILING 24x24 PANEL	1240 FRAME 23	9000-6P	SMCD FRAME 3P	MCD BORDER TYPE 3	SQD-LT
CR ◪	CEILING RETURN WITH 1/2" EGG CRATE CORE SURFACE MOUNT	EGC-5	CC5D	80	MODEL 50 F BORDER TYPE 1	CRE500-SF
CRL ◪	CEILING RETURN WITH 1/2" EGG CRATE CORE IN 24x24 PANEL FOR T-BAR CEILING	EGC-5TB	CC5D-TBD	80 - TBP	MODEL 50 F BORDER TYPE 3	CRE500-LT
S ☒	DOUBLE DEFLECTION SUPPLY GRILLE WITH VERTICAL FRONT BARS, 3/4" SPACING	880 V	V 4004 S	920L	300 RS	T54
R & E ◪ ◪	RETURN OR EXHAUST GRILLE WITH 35° OR 45° HORIZONTAL BARS.	S 80 H	SRH	530L	350 RL	T70D
SDS ↓	DUCT MOUNTED SUPPLY DRUM LOUVER WITH ROTATING DRUM	-	-	-	S-DL	-
SDR ↕	DUCT MOUNTED RETURN OR EXHAUST DRUM LOUVER WITH ROTATING DRUM	-	-	-	US-DL	-
LD-1 ↓	ALUMINUM LINEAR SLOT DIFFUSER, 1 SLOT, 2" WIDTH, "TITUS" HIGH-THROW PATTERN CONTROLLER	DFL	-	SDS	FL-20	6000
LD-2 ↓	ALUMINUM LINEAR SLOT DIFFUSER, 1 SLOT, 2" WIDTH, "TITUS" JETTHROW PATTERN CONTROLLER	DFL	-	SDS	FL-20	6000
LD-3 ↓	ALUMINUM LINEAR SLOT DIFFUSER, 1 SLOT, 3" WIDTH, "TITUS" JETTHROW PATTERN CONTROLLER	DFL	-	SDS	FL-30	6000

NOTES:

1. ALL SYMBOLS NOTED MAY NOT BE USED. REFER TO PLANS FOR SIZE AND QUANTITY.
2. ALL SUPPLY AIR DIFFUSERS ARE 4-WAY BLOW UNLESS SHOWN OTHERWISE.
3. FURNISH ALL PRODUCTS OF A SINGLE MANUFACTURER.
4. COORDINATE DIFFUSER TYPE WITH REFLECTED CEILING PLAN.
5. OPPOSED BLADE DAMPERS ARE NOT REQUIRED AT DIFFUSERS, REGISTERS, OR GRILLES.
6. PROVIDE MANUAL AIR DAMPERS AT EACH BRANCH DUCT TO A SINGLE DIFFUSER, REGISTER, OR GRILLE.

ENERGY RECOVERY VENTILATOR SCHEDULE - BASE BID

EQUIP TAG	"ALDES" MODEL	SUPPLY FAN		EXHAUST FAN		ELECTRICAL DATA			EFFECTIVENESS		OPER . WT. [LBS]	MOUNTING DETAIL	CONTROL DIAGRAM	NOTES
		CFM	ESP [IN. W.G.]	CFM	ESP [IN. W.G.]	VOLT/PH	MCA	MOP	SUMMER [%]	WINTER [%]				
ERV-1	PE30	2200	0.25	2200	0.25	230/3	20.7	25	92.8	64.4	1400	6/M5.2	2/M6.2	1
ERV-2	E1100L-Fi-EC	600	0.2	600	0.2	230/1	-	-	106.6	76.1	245	8/M5.1	2/M6.2	1

NOTES:

1. PROVIDE WITH MINIMUM MERV-13 FILTER ON THE OUTSIDE AIR SIDE AND MERV-7 FILTER ON THE EXHAUST SIDE.

HEAT RECOVERY VENTILATOR SCHEDULE - ALT BID

EQUIP TAG	"ALDES" MODEL	SUPPLY FAN		EXHAUST FAN		ELECTRICAL DATA			EFFECTIVENESS		OPER . WT. [LBS]	MOUNTING DETAIL	CONTROL DIAGRAM	NOTES
		CFM	ESP [IN. W.G.]	CFM	ESP [IN. W.G.]	VOLT/PH	MCA	MOP	SUMMER [%]	WINTER [%]				
HRV-1	PH30	2200	0.25	2200	0.25	230/3	20.7	25	58.5	63.8	1550	6/M5.2	2/M6.2	1, 2
HRV-2	H1100L-Fi-EC	600	0.2	600	0.2	230/1	-	-	58.4	63.6	245	8/M5.1	2/M6.2	1

NOTES:

1. PROVIDE WITH MINIMUM MERV-13 FILTER ON THE OUTSIDE AIR SIDE AND MERV-7 FILTER ON THE EXHAUST SIDE.
2. PROVIDE WITH MOTORIZED BY-PASS DAMPER FOR FREE COOLING WHEN THE OUTSIDE AIR TEMPERATURE IS BELOW SPACE SETPOINT IN COOLING MODE.

FAN SCHEDULE

EQUIP TAG	"GREENHECK" MODEL	CFM	SP [IN. W.G.]	RPM	ELECTRICAL DATA			OPER. WT. [LBS]	MOUNTING DETAIL	CONTROL DIAGRAM	NOTES
					VOLT/PH	HP	BHP [W]				
EF-1	SQ-90-VG	300	0.20	1086	115/1	1/10	0.02	70	2/M5.2	3/M6.3	1

NOTES:

1. PROVIDE WITH MANUFACTURER'S BACKDRAFT DAMPER ACCESSORY.

GRAVITY VENTILATOR SCHEDULE

EQUIP TAG	"GREENHECK" MODEL	LOCATION	TYPE	CFM	THROAT SIZE (IN)	OPER. WT. [LBS]	MOUNTING DETAIL	NOTES
GV-1	GRSR	ROOF	RELIEF	200	8	10	3/M5.2	1, 2
GV-2	GRSR	ROOF	RELIEF	600	12	10	3/M5.2	1, 2
GV-3	GRSI	ROOF	INTAKE	600	12	10	3/M5.2	1, 2

NOTES:

1. PROVIDE WITH MANUFACTURER'S ROOF CURB.
2. PROVIDE WITH COUNTER-BALANCED BACKDRAFT DAMPER AND ALUMINUM GALVANIZED BIRD SCREEN.

ELECTRIC UNIT HEATER SCHEDULE

EQUIP TAG	"REZNOR" MODEL	CFM	CAPACITY [KW]	ELECTRICAL DATA			OPER. WT. [LBS]	CONTROL DIAGRAM	NOTES
				VOLT/PH	MCA	MOP			
EUH-1	EGW	300	1.5	208/1	7.22	15	25	2/M6.3	1

NOTES:

1. PROVIDE WITH MANUFACTURER'S WALL MOUNTING BRACKETS FOR HORIZONTAL DISCHARGE AIR. INSTALL AS HIGH ON WALL AS POSSIBLE, WHILE IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION REQUIREMENTS.

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY

Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

capital engineering
RANCHO CORDOVA, CALIFORNIA

JD - HC/AL (PM - DESIGN TEAM) 230712.00 (PROJECT NO.)

REGISTERED PROFESSIONAL ENGINEER KEVIN D. SMITH No. M 29026 MECHANICAL STATE OF CALIFORNIA

NOT FOR CONSTRUCTION

DATE SIGNED:

08.23.24 BID SET

HVAC SCHEDULES & NOTES

M0.2

8/24/2024 11:05:50 PM

Copyright WMB, Inc.

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD NRCC-PRF-E

Nonresidential Performance Compliance Method (Page 1 of 20)

Project Name: Walnut Park Library **Date Prepared:** 2024-05-22

A. General Information

1	Project Name	Walnut Park Library			
2	Run Title	Title 24 Analysis			
3	Project Location	2700 Lillard Dr			
4	City	Davis	5	Standards Version	Compliance 2022
6	Zip code	95618	7	Compliance Software (version)	EnergyPro 9.2.
8	Climate Zone	12	9	Building Orientation (deg)	90
10	Building Type(s)	• Nonresidential	11	Weather File	VACAVILLE-NUT-TREE_STYP20.epw
12	Project Scope	• New complete scope	13	Number of Dwelling Units	0
14	Total Conditioned Floor Area in Scope (ft²)	12149	15	Total # of hotel/motel rooms	0
16	Total Unconditioned Floor Area (ft²)	204	17	Fuel Type	Liquefied propane gas
18	Nonresidential Conditioned Floor Area	12149	19	Total # of Stories (Habitable Above Grade)	1
20	Residential Conditioned Floor Area	0			

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD NRCC-PRF-E

Nonresidential Performance Compliance Method (Page 2 of 20)

B. PROJECT SUMMARY

Table B shows which building components are included in the performance calculation. If indicated as not included, the project must show compliance prescriptively if within the permit application.

Building Components Complying via Performance						Building Components Complying Prescriptively	
Envelope (See Table G)	Nonres	Performance	Solar Thermal Water Heating (See Table I3)	☐	Performance	The following building components are ONLY eligible for prescriptive compliance and should be documented on the NRCC form listed if within the scope of the permit application (i.e. compliance will not be shown on the NRCC-PRF-E).	
	MultiFam	Not Included		☒	Not Included		
Mechanical (See Table H)	Nonres	Performance	Covered Process: Commercial Kitchens (see Table J)	☐	Performance	Indoor Lighting (Unconditioned) 140.6 & 170.2(e)	NRCC-LTI-E is required
	MultiFam	Not Included		☒	Not Included	Outdoor Lighting 140.7 & 170.2(e)	NRCC-LTO-E is required
Domestic Hot Water (See Table I)	Nonres	Performance	Covered Process: Laboratory Exhaust (see Table J)	☐	Performance	Sign Lighting 140.8 & 170.2(e)	NRCC-LTS-E is required
	MultiFam	Not Included		☒	Not Included	**Building Components Complying with Mandatory Measures**	
Lighting (Indoor Conditioned, see Table K)	Nonres	Performance	Photovoltaics (see Table F)	☐	Performance	Electrical power systems, commissioning, solar ready, elevator and escalator requirements are mandatory and should be documented on the NRCC form listed if applicable (i.e. compliance will not be shown on the NRCC-PRF-E.)	
	MultiFam	Not Included		☒	Not Included	Electrical Power Distribution 110.11	NRCC-ELC-E is required
			Battrery (see Table F)	☐	Performance	Commissioning 120.8	NRCC-CXR-E is required
				☒	Not Included	Solar and Battery 110.10	NRCC-SAB-E is required

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD NRCC-PRF-E

Nonresidential Performance Compliance Method (Page 3 of 20)

C1. COMPLIANCE SUMMARY

COMPLIES[1]

	Time Dependent Valuaton (TDV)		Source Energy Use
	Efficiency[1] (kBtu/ft² - yr)	Total[2] (kBtu/ft² - yr)	Total[2] (kBtu/ft² - yr)
Standard Design	290.86	277.27	24.07
Proposed Design	203.43	203.43	16.59
Compliance Margins	**87.43**	**73.84**	**7.48**
	Pass	**Pass**	**Pass**

[1] *Efficiency measures include improvements like a better building envelope and more efficient equipment*
[2] *Compliance Totals include efficiency, photovoltaics and batteries*
[3] *New Construction, Complete Addition Scope: Building complies when all efficiency and total compliance margins are greater than or equal to zero and unmet load hour limits are not exceeded*
Existing, Addition and Alteration Scope: Building complies when efficiency compliance margin is greater than or equal to zero and unmet load hour limits are not exceeded

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD NRCC-PRF-E

Nonresidential Performance Compliance Method (Page 4 of 20)

C2. TDV ENERGY COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDV Energy Use, kBtu/ft² - yr)

COMPLIES[2]

Energy Component	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV)[1]
Space Heating	17.66	30.38	-12.72
Space Cooling	77.88	72.43	5.45
Indoor Fans	130.6	49.6	81
Heat Rejection	0	0	0
Pumps & Misc.	0	0	0
Domestic Hot Water	24.71	7.42	17.29
Indoor Lighting	40.01	43.6	-3.59
Flexibility	—	—	—
EFFICIENCY COMPLIANCE TOTAL	**290.86**	**203.43**	**87.43 (30.1%)**
Photovoltaics	-13.5	—	-13.5
Batteries	-0.09	—	-0.09
TOTAL COMPLIANCE	**277.27**	**203.43**	**73.84 (26.6%)**

[1] *Notes: This number in parenthesis following the Compliance Margin in column 4, represents the Percent Better than Standard.*

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD NRCC-PRF-E

Nonresidential Performance Compliance Method (Page 5 of 20)

C3. TDV ENERGY RESULTS FOR NON-REGULATED COMPONENTS[1]

Non-Regulated Energy Component	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV)[1]
Receptacle	81.99	81.99	—
Process	—	—	—
Other Ltg	0.37	0.37	—
Process Motors	0.08	0.08	—
TOTAL (TOTAL COMPLIANCE + NON-REGULATED COMPONENTS)	**359.71**	**285.87**	**73.84 (20.5%)**

[1] *Notes: This table is not used for Energy Code Compliance.*

C8. ENERGY USE INTENSITY (EUI)

	Standard Design (kBtu/ft² / yr)	Proposed Design (kBtu/ft² / yr)	Margin (kBtu/ft² / yr)	Margin Percentage
GROSS EUI[1]	45.22	34.5	10.72	23.71
NET EUI[1]	42.9	34.5	8.4	19.58

[1] *Notes: Gross EUI is Energy Use Total (not including PV)/Total Building Area. Net EUI is Energy Use Total (including PV)/Total Building Area.*

D1. EXCEPTIONAL CONDITIONS

• The aged solar reflectance and aged thermal emittance must be listed in the Cool Roof Rating Council database of certified products. For projects where initial reflectance is used, the initial reflectance must be listed, and the aged reflectance is calculated by the software program and used in the compliance model.
• The project uses the Simplified Geometry Performance Modeling Approach which is not capable of modeling daylighting controls and assumes the prescriptive Secondary Daylit Control requirements are met. PRESCRIPTIVE COMPLIANCE documentation (form NRCC-LTI-02-E) for the requirements of section 140.6(d) Automatic Daylighting Controls in Secondary Daylit Zones is required.
• DesignedOccupancyUsedForCalculatingVentilation
• PV/Battery Building Type has been modified from software defaults for one or more spaces. Review project's PV/Battery Building Type(s) with documentation author. Refer to Energy Code section 140.10 for Nonresidential or 170.2(g) for more information.

G1. ENVELOPE GENERAL INFORMATION (conditioned spaces only)

01	02	03	04
Opaque Surfaces & Orientation	**Total Gross Surface Area (ft²)**	**Total Fenestration Area (ft²)**	**Window to Wall Ratio (%)**
North-Facing[1]	2612	664	25.42
East-Facing[2]	1755	954	54.36
South-Facing[3]	2135	620	29.04

Notes
[1] *North-Facing is oriented to within 45 degrees of true north, including 45 00'00" east of north (NE), but excluding 45 00'00" west of north (NW).*
[2] *East-Facing is oriented to within 45 degrees of true east, including 45 00'00" south of east (SE), but excluding 45 00'00" north of east (NE).*
[3] *South-Facing is oriented to within 45 degrees of true south, including 45 00'00" west of south (SW), but excluding 45 00'00" east of south (SE).*
[4] *West-Facing is oriented to within 45 degrees of true west, including 45 00'00" north of west (NW), but excluding 45 00'00" south of west (SW).*

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD NRCC-PRF-E

Nonresidential Performance Compliance Method (Page 6 of 20)

C4. SOURCE ENERGY COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual SOURCE Energy Use, kBtu/ft² /yr)

COMPLIES[2]

Energy Component	Standard Design (SOURCE)	Proposed Design (SOURCE)	Compliance Margin (SOURCE)[1]
Space Heating	2.59	4.42	-1.83
Space Cooling	3.22	3.34	-0.12
Indoor Fans	12.28	4.66	7.62
Heat Rejection	0	0	0
Pumps & Misc.	0	0	0
Domestic Hot Water	3.37	0.75	2.62
Indoor Lighting	3.14	3.42	-0.28
Flexibility	—	—	—
EFFICIENCY COMPLIANCE TOTAL	**24.6**	**16.59**	**8.01 (32.6%)**
Photovoltaics	-0.49	—	-0.49
Batteries	-0.04	—	-0.04
TOTAL COMPLIANCE	**24.07**	**16.59**	**7.48 (31.1%)**

[1] *Notes: This number in parenthesis following the Compliance Margin in column 4, represents the Percent Better than Standard.*

G2A. ROOFING PRODUCT SUMMARY (NONRESIDENTIAL)

01	02	03	04	05	06
Assembly Name	**Roof Pitch**	**Roof Rise (x in 12)**	**Aged Solar Reflectance**	**Thermal Emittance**	**SRI**
6 R30 on Mtl15	LowSlope	N/A	0.68	0.9	N/A

G4. NONRESIDENTIAL AIR BARRIER

01	02
Building Story Name	**Air Barrier**
Com-Floor 1	No air barrier

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD NRCC-PRF-E

Nonresidential Performance Compliance Method (Page 7 of 20)

C5. SOURCE ENERGY RESULTS FOR NON-REGULATED COMPONENTS[1]

Non-Regulated Energy Component	Standard Design (SOURCE)	Proposed Design (SOURCE)	Compliance Margin (SOURCE)[1]
Receptacle	6.07	6.07	—
Process	—	—	—
Other Ltg	0.03	0.03	—
Process Motors	0.01	0.01	—
TOTAL (TOTAL COMPLIANCE + NON-REGULATED COMPONENTS)	**30.18**	**22.7**	**7.48 (24.8%)**

[1] *Notes: This table is not used for Energy Code Compliance.*

C6. 'ABOVE CODE' QUALIFICATIONS

☐ This project is pursuing CalGreen Tier 1 ☐ This project is pursuing CalGreen Tier 2

G5. OPAQUE SURFACE ASSEMBLY SUMMARY

01	02	03	04	05	06		07	08	09	10
					Continuous R-Value					
Surface Name	**Construction Type**	**Area (ft²)**	**Framing Type**	**Cavity R-Value**	**Interior**	**Exterior**	**Units**	**Value**	**Description of Assembly Layers**	**Status[1]**
Slab On Grade9	Underground Floor	12,353	N/A	0	N/A	N/A	F-factor	.073	Slab Type =Unheated slab on grade Insulation Orientation =None Insulation R-Value =none	N
R8.6 Rigid o/2x6 D.F. wR·11	Exterior Wall	5,997	Wood	19	N/A	8	U-factor	0.0429	Fiber cement board - 63 lb/ft3 - 1/3 in. Compliance Insulation R8.00 Vapor seal - plastic film - 1/16 in. Composite-1 Gypsum Board - 1/2 in.	N
6 R30 on Mtl15	Roof	12,359	N/A	0	N/A	30	U-factor	0.0319	Single Ply Roofing - 1/4 in. Gypsum Board - 5/8 in. Metal Deck - 1/16 in. Compliance Insulation R30.00	N
R-19 Demising35	Interior Wall	3,221	Wood	19	N/A	N/A	U-factor	0.0677	Composite-2 Gypsum Board - 1/2 in. Gypsum Board - 1/2 in.	N
R-21 +R4.2 Wall12	Exterior Wall	2,505	Metal	21	N/A	4.17	U-factor	0.1022	Stucco - 7/8 in. Vapor permeable felt - 1/8 in. Composite-3 Gypsum Board - 1/2 in. Expanded Polystyrene - EPS - 1 in. R4.2	N

[1] *Status: N - New, A - Altered, E - Existing*

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD NRCC-PRF-E

Nonresidential Performance Compliance Method (Page 8 of 20)

C7. ENERGY USE SUMMARY

Energy Component	Standard Design Site (MWh)	Proposed Design Site (MWh)	Margin (MWh)	Standard Design Site (MBtu)	Proposed Design Site (MBtu)	Margin (MBtu)
Space Heating	6.7	11.6	-4.9	—	—	—
Space Cooling	24.8	24.9	-0.1	—	—	—
Indoor Fans	55.8	21.3	34.5	—	—	—
Heat Rejection	—	—	—	—	—	—
Pumps & Misc.	—	—	—	—	—	—
Domestic Hot Water	6.6	3.6	3	27.7	—	—
Indoor Lighting	19.7	21.5	-1.8	—	—	—
Flexibility	—	—	—	—	—	—
EFFICIENCY TOTAL	**113.6**	**82.9**	**30.7**	**27.7**	**0**	**27.7**
Photovoltaics	-8.4	—	—	—	—	—
Batteries	0	—	—	—	—	—
ENERGY USE SUBTOTAL	**105.2**	**82.9**	**22.3**	**27.7**	**0**	**27.7**
Receptacle	41.8	41.8	0	—	—	—
Process	—	—	—	—	—	—
Other Ltg	0.2	0.2	0	—	—	—
Process Motors	0	0	0	—	—	—
ENERGY USE TOTAL	**147.2**	**124.9**	**22.3**	**27.7**	**0**	**27.7**

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD NRCC-PRF-E

Nonresidential Performance Compliance Method (Page 9 of 20)

D1. ENVELOPE GENERAL INFORMATION (conditioned spaces only)

01	02	03	04
Opaque Surfaces & Orientation	**Total Gross Surface Area (ft²)**	**Total Fenestration Area (ft²)**	**Window to Wall Ratio (%)**
North-Facing[1]	2612	664	25.42
East-Facing[2]	1755	954	54.36
South-Facing[3]	2135	620	29.04

Notes
[1] *North-Facing is oriented to within 45 degrees of true north, including 45 00'00" east of north (NE), but excluding 45 00'00" west of north (NW).*
[2] *East-Facing is oriented to within 45 degrees of true east, including 45 00'00" south of east (SE), but excluding 45 00'00" north of east (NE).*
[3] *South-Facing is oriented to within 45 degrees of true south, including 45 00'00" west of south (SW), but excluding 45 00'00" east of south (SE).*
[4] *West-Facing is oriented to within 45 degrees of true west, including 45 00'00" north of west (NW), but excluding 45 00'00" south of west (SW).*

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD NRCC-PRF-E

Nonresidential Performance Compliance Method (Page 10 of 20)

G1. ENVELOPE GENERAL INFORMATION (conditioned spaces only)

01	02	03	04
Opaque Surfaces & Orientation	**Total Gross Surface Area (ft²)**	**Total Fenestration Area (ft²)**	**Window to Wall Ratio (%)**
West-Facing[4]	1760	600	34.09
Total	**8262**	**2838**	**34.35**
Roof	12155	0	0

Notes
[1] *North-Facing is oriented to within 45 degrees of true north, including 45 00'00" east of north (NE), but excluding 45 00'00" west of north (NW).*
[2] *East-Facing is oriented to within 45 degrees of true east, including 45 00'00" south of east (SE), but excluding 45 00'00" north of east (NE).*
[3] *South-Facing is oriented to within 45 degrees of true south, including 45 00'00" west of south (SW), but excluding 45 00'00" east of south (SE).*
[4] *West-Facing is oriented to within 45 degrees of true west, including 45 00'00" north of west (NW), but excluding 45 00'00" south of west (SW).*

G2A. ROOFING PRODUCT SUMMARY (NONRESIDENTIAL)

01	02	03	04	05	06
Assembly Name	**Roof Pitch**	**Roof Rise (x in 12)**	**Aged Solar Reflectance**	**Thermal Emittance**	**SRI**
6 R30 on Mtl15	LowSlope	N/A	0.68	0.9	N/A

G4. NONRESIDENTIAL AIR BARRIER

01	02
Building Story Name	**Air Barrier**
Com-Floor 1	No air barrier

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD NRCC-PRF-E

Nonresidential Performance Compliance Method (Page 11 of 20)

G5. OPAQUE SURFACE ASSEMBLY SUMMARY

01	02	03	04	05	06		07	08	09	10
					Continuous R-Value					
Surface Name	**Construction Type**	**Area (ft²)**	**Framing Type**	**Cavity R-Value**	**Interior**	**Exterior**	**Units**	**Value**	**Description of Assembly Layers**	**Status[1]**
Slab On Grade9	Underground Floor	12,353	N/A	0	N/A	N/A	F-factor	.073	Slab Type =Unheated slab on grade Insulation Orientation =None Insulation R-Value =none	N
R8.6 Rigid o/2x6 D.F. wR·11	Exterior Wall	5,997	Wood	19	N/A	8	U-factor	0.0429	Fiber cement board - 63 lb/ft3 - 1/3 in. Compliance Insulation R8.00 Vapor seal - plastic film - 1/16 in. Composite-1 Gypsum Board - 1/2 in.	N
6 R30 on Mtl15	Roof	12,359	N/A	0	N/A	30	U-factor	0.0319	Single Ply Roofing - 1/4 in. Gypsum Board - 5/8 in. Metal Deck - 1/16 in. Compliance Insulation R30.00	N
R-19 Demising35	Interior Wall	3,221	Wood	19	N/A	N/A	U-factor	0.0677	Composite-2 Gypsum Board - 1/2 in. Gypsum Board - 1/2 in.	N
R-21 +R4.2 Wall12	Exterior Wall	2,505	Metal	21	N/A	4.17	U-factor	0.1022	Stucco - 7/8 in. Vapor permeable felt - 1/8 in. Composite-3 Gypsum Board - 1/2 in. Expanded Polystyrene - EPS - 1 in. R4.2	N

[1] *Status: N - New, A - Altered, E - Existing*

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD NRCC-PRF-E

Nonresidential Performance Compliance Method (Page 12 of 20)

G6A. OPAQUE DOOR SUMMARY (NONRESIDENTIAL)

01	02	03	04
Assembly Name	**Area (ft²)**	**Overall U-factor**	**Status[1]**
Metal Door54	54	0.7	N
Insulated Door75	105	0.2	N

[1] *Status: N - New, A - Altered, E - Existing*

G7A. FENESTRATION ASSEMBLY SUMMARY (NONRESIDENTIAL)

01	02	03	04	05	06	07	08	09
Fenestration Assembly Name	**Fenestration Type/ Product Type / Frame Type**	**Certification Method[1]**	**Assembly Method**	**Area (ft²)**	**Overall U-factor**	**Overall SHGC**	**Overall VT**	**Status[2]**
PPG SOLARRAN 70 XL Clear	Vertical fenestration Fixed window N/A	NFRC	Site built	1,471	0.28	0.27	0.64	N
Residential Cooling	Vertical fenestration Fixed window N/A	NFRC	Manufactured	12	0.3	0.23	0.5	N
Kalwall	Vertical fenestration Curtain wall N/A	NFRC	Site built	1,355	0.29	0.3	0.26	N

[1] *Notes: Newly installed fenestration shall have a certified NFRC Label Certificate or use the CEC default tables found in Table 110.6-A and Table 110.6-B. Center of Glass (COG) values are for the glass only, determined by the manufacturer, and are shown for ease of verification. Site-built fenestration values are calculated per Nonresidential Appendix NA6 and are used in the analysis.*
[2] *Status: N - New, A - Altered, E - Existing*

WMB ARCHITECTS
5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
Walnut Park Library
2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

capital engineering
RANCHO CORDOVA, CALIFORNIA

JD - HC/AL PM - DESIGN TEAM
230712.00 PROJECT NO.

REGISTERED PROFESSIONAL ENGINEER KEVIN D. SCHMIDT 10-26 MECHANICAL STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

DATE SIGNED:

08.23.24 BID SET

TITLE-24 COMPLIANCE FORMS

M0.3

8/24/2024 11:05:50 PM

Copyright WMB, Inc.

H1. DRY SYSTEM EQUIPMENT (FURNACES, AIR HANDLING UNITS, HEAT PUMPS, VRF, ECONOMIZERS ETC.)

01	02	03	04	05	06	07	08	09	10	11	12
			Heating				Cooling				
Equipment Name	Equipment Type	Qty	Total Heating Output (kBtu/h)	Supp Heat Output (kBtu/h)	Efficiency Unit	Efficiency	Total Cooling Output (kBtu/h)	Efficiency Unit	Efficiency	Economizer Type (if present)	Status[1]
HP-1	Variable Refrigerant Flow	1	193.5	N/A	COP	3.25	192	EER	11.9	N/A	N
HP-2	Variable Refrigerant Flow	1	265.2	N/A	COP	3.25	264	EER	10.9	N/A	N

[1] *Status: N - New, A - Altered, E - Existing*

H3. NONRESIDENTIAL / COMMON USE AREA FAN SYSTEMS SUMMARY

01	02	03	04	05	06	07	08	09	10	11	12	13
Name or Item Tag	Qty	Design OA CFM	Supply Fan				Return / Relief Fan					Status[1]
			CFM	Power	Power Units	Control	Fan Type	CFM	Power	Power Units	Control	
2-FCU-1-VRF	1	80	325	0.06	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N
3-FCU-2-VRF	1	264	625	0.16	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N
4-FCU-3-VRF	1	55	325	0.06	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N
5-FCU-4-VRF	1	55	475	0.06	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N
6-FCU-5-VRF	1	16.5	325	0.06	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N
7-FCU-6-VRF	1	199.2	750	0.25	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N
8-FCU-7-VRF	1	319	800	0.58	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N
9-FCU-8-VRF	1	480	1,125	0.52	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N
10-FCU-9-VRF	1	480	1,175	0.38	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N
11-FC-10-VRF	1	120	350	0.06	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N
13-FCU-11-VRF	1	133.2	1,175	0.38	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N
14-FCU 12 & 13-VRF	2	285.75	1,175	0.39	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N
15-FCU-14-VRF	1	352.5	1,175	0.38	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N
16-FCU-15-VRF	1	120	1,125	0.38	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N
17-FCU-16-VRF	1	203.7	700	0.26	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N

[1] *Status: N - New, A - Altered, E - Existing*

H5. GENERAL EXHAUST FAN SUMMARY

01	02	03	04	05	06	07	08
System ID	Zone Name	Qty	CFM	Power	Power Units	Continuous Operation?	Status[1]
Fire/Elec 105/10992	11-Fire/Elec 105/109	1	300	0.02	BHP	No	N

[1] *Status: N - New, A - Altered, E - Existing*

H8. SYSTEM SPECIAL FEATURES

01	02	03	04
System Name	Equipment Type	Interlocks per 140.4(a)[1]	Other Special Features and Controls
WH1 - SHW	Service Hot Water	N/A	Fixed Temperature Control

Notes: This table includes controls related to the performance path only. For projects using the prescriptive path, mandatory and prescriptive controls requirements are documented on the NRCC-MCH-E.

[1] *Yes = interlocks are provided, No = interlocks are not provided, NA means no operable openings.*

H9. NONRESIDENTIAL / COMMON USE AREA & HOTEL/MOTEL VENTILATION

01	02	03	04	05	06	07
Zone Name	Mechanical Ventilation				Conditioned Area (sf)	DCV or Occupant Sensor Controls, or Both
	Ventilation Function	# of People	Supply OA CFM	Exhaust CFM		
1-FCU-1	Assembly - Libraries (reading rooms and stack areas).	2	30	0	93	N/A
2-FCU-2	General - Break rooms	17.6	264	0	474	N/A
3-FCU-3	General - Conference/meeting	3.67	55	0	110	N/A
4-FCU-4	General - Conference/meeting	3.67	55	0	110	N/A
5-FCU-5	Office - Office space	0.55	16.5	0	110	N/A
6-FCU-6	Office - Office space	6.64	199.2	0	1328	N/A
7-FCU-7	General - Conference/meeting	21.27	319	0	638	N/A
8-FCU-8	Misc - All others	32	480	0	730	N/A
9-FCU-9	Misc - All others	32	480	0	830	N/A
10-FC-10	Assembly - Libraries (reading rooms and stack areas)	8	120	0	208	N/A

H9. NONRESIDENTIAL / COMMON USE AREA & HOTEL/MOTEL VENTILATION

01	02	03	04	05	06	07
Zone Name	Mechanical Ventilation				Conditioned Area (sf)	DCV or Occupant Sensor Controls, or Both
	Ventilation Function	# of People	Supply OA CFM	Exhaust CFM		
12-FCU-11	Assembly - Libraries (reading rooms and stack areas)	4.44	133.2	0	888	N/A
13-FCU 12 & 13	Assembly - Libraries (reading rooms and stack areas)	33	571.5	0	3810	N/A
14-FCU-14	Office - Main entry lobbies	23.5	352.5	0	705	N/A
15-FCU-15	Assembly - Libraries (reading rooms and stack areas)	8	120	0	757	N/A
16-FCU-16	General - Corridors	6.79	203.7	0	1358	N/A

H11. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY

01	02	03	04	05	06	07	08	09	10	11	12
System ID	System Type	Qty	Rated Capacity (kBtuh)		Airflow (cfm)			Fan			VSD
			Heating	Cooling	Design	Min.	Min. Ratio	Power	Power Units	Cycles	
2-FCU-1-VRF	Variable Refrigerant Flow	1	7.7	7.11	325	N/A	N/A	0.06	BHP	Continuous	☐
3-FCU-2-VRF	Variable Refrigerant Flow	1	18.12	17.06	625	N/A	N/A	0.16	BHP	Continuous	☐
4-FCU-3-VRF	Variable Refrigerant Flow	1	7.7	7.11	325	N/A	N/A	0.06	BHP	Continuous	☐
5-FCU-4-VRF	Variable Refrigerant Flow	1	14.22	14.22	475	N/A	N/A	0.06	BHP	Continuous	☐
6-FCU-5-VRF	Variable Refrigerant Flow	1	7.7	7.11	325	N/A	N/A	0.06	BHP	Continuous	☐
7-FCU-6-VRF	Variable Refrigerant Flow	1	30.81	28.44	750	N/A	N/A	0.25	BHP	Continuous	☐
8-FCU-7-VRF	Variable Refrigerant Flow	1	24	24	800	N/A	N/A	0.58	BHP	Continuous	☐
9-FCU-8-VRF	Variable Refrigerant Flow	1	43.05	39.82	1,125	N/A	N/A	0.52	BHP	Continuous	☐

H11. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY

01	02	03	04	05	06	07	08	09	10	11	12
System ID	System Type	Qty	Rated Capacity (kBtuh)		Airflow (cfm)			Fan			VSD
			Heating	Cooling	Design	Min.	Min. Ratio	Power	Power Units	Cycles	
10-FCU-9-VRF	Variable Refrigerant Flow	1	48.94	45.5	1,175	N/A	N/A	0.38	BHP	Continuous	☐
11-FC-10-VRF	Variable Refrigerant Flow	1	9.52	9.01	350	N/A	N/A	0.06	BHP	Continuous	☐
13-FCU-11-VRF	Variable Refrigerant Flow	1	50.16	45.5	1,175	N/A	N/A	0.38	BHP	Continuous	☐
14-FCU 12 & 13-VRF	Variable Refrigerant Flow	2	55.73	51.19	1,175	N/A	N/A	0.39	BHP	Continuous	☐
15-FCU-14-VRF	Variable Refrigerant Flow	1	50.16	45.5	1,175	N/A	N/A	0.38	BHP	Continuous	☐
16-FCU-15-VRF	Variable Refrigerant Flow	1	44.12	39.82	1,125	N/A	N/A	0.38	BHP	Continuous	☐
17-FCU-16-VRF	Variable Refrigerant Flow	1	22.29	19.91	700	N/A	N/A	0.26	BHP	Continuous	☐

I1. WATER HEATER EQUIPMENT SUMMARY

01	02	03	04	05	06	07	08	09	10	11	12	13	14
Name	Heater Element Type	Tank Type	Qty	Tank Vol (gal)	Rated Input	Rated Input Unit	Efficiency	Efficiency Unit	Tank Insulation R-value Int/Ext	Standby Loss Fraction	1st Hr. Rating or Flow Rate (gal)	Heat Pump Type	Tank Location or Ambient Condition
Rheem HPLD80-1RH (80 gal)	Electricity	Storage	1	80	5.86	kW	3.2	UEF	N/A	N/A	80	Heat Pump Split Water Heater	N/A
IWH-1233	Electricity	Instantaneous	1	1	20.78	kW	0.98	UEF	N/A	N/A	0	N/A	N/A

K1. INDOOR CONDITIONED LIGHTING GENERAL INFO

01	02	03	04	05	06
Occupancy Type[1]	Conditioned Floor Area[2] (ft²)	Installed Lighting Power (Watts)	Lighting Control Credits (Watts)	Additional (Custom) Allowance	
				Area Category Footnotes (Watts)	Area Category Footnotes (Watts)
Convention, Conference, Multipurpose and Meeting Center	2418	1813.5	0	0	0
Corridor	1358	543.2	0	0	0
Library - Reading Area	1058	846.4	0	0	0
Library - Stacks	4698	4698	0	0	0
Main Entry Lobby	705	493.5	0	0	0
Lounge	474	260.7	0	0	0
Office (250 square feet)	1328	796.8	0	0	0
Office (250 square feet)	110	71.5	0	0	0
Building Totals:	**12149**	**9523.6**	**0**	**0**	**0**

[1] *See Table 140.6-C*
[2] *See NRCC-LTI-E for unconditioned spaces*
[3] *Lighting information for existing spaces modeled is not included in this table*

K4. INDOOR CONDITIONED LIGHTING MANDATORY LIGHTING CONTROL

Building Level Controls

01	02
Mandatory Demand Response 110.12(c)	Shut-Off Controls 130.1(c) & 160.5(b)4C
Required	Required

Area Level Controls (includes all lighting controls installed in conditioned space to meet mandatory requirements per 130.1)

03	04	05	06	07	08	09
Area Description	Area Category Primary Function Area	Area Controls 130.1(a) & 160.5(b)4A	Multi-Level Controls 130.1(b) & 160.5(b)4B	Shut-Off Controls 130.1(c) & 160.5(b)4C	Primary Daylighting 130.1(d) & 160.5(b)4D	Secondary Daylighting 140.5(d) & 160.5(b)4D

Whole Building	All Other Space Types	Required	Required	Required	Required	Required

L. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections made by Documentation Author indicate which Certificates of Installation must be submitted for the features to be recognized for compliance. These documents must be retained and provided to the building inspector during construction and can be found online

Building Component	Form/Title
Envelope	NRCI-ENV-01-E - Must be submitted for all buildings
Envelope	NRCI-ENV-E - Envelope (for all buildings)
Mechanical	NRCI-MCH-01-E - Must be submitted for all buildings
Mechanical	NRCI-MCH-E - For all buildings with Mechanical Systems
Plumbing	NRCI-PLB-01-E - Must be submitted for all buildings
Plumbing	NRCI-PLB-E - For all buildings with Plumbing Systems
Indoor Lighting	NRCI-LTI-01-E - Must be submitted for all buildings
Indoor Lighting	NRCI-LTI-E - Indoor Lighting (for all buildings)

M. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections made by Documentation Author indicate which Certificates of Acceptance must be submitted for the features to be recognized for compliance. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP).

Building Component	Form/Title
Envelope	NRCA-ENV-02-F - NRFC label verification for fenestration
Indoor Lighting	NRCA-LTI-02-A - Occupancy Sensors and Automatic Time Switch Controls.
Indoor Lighting	NRCA-LTI-03-A - Automatic Daylight Controls.
Indoor Lighting	NRCA-LTI-04-A - Demand Responsive Lighting Controls.

N. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

Selections made by Documentation Author indicate which Certificates of Verification must be submitted for the features to be recognized for compliance. These documents must be retained and provided to the building inspector during construction and can be found online

There are no Certificates of Verification applicable to this project

Documentation Author's Declaration Statement

I, I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Aaron Wintersmith	Documentation Author Signature:
Company: Capital Engineering Consultants Inc.	Signature Date:
Address: 11020 Sun Center Dr #100	CEA/HERS Certification Identification (if applicable):
City/State/Zip: Rancho Cordova, CA 95670	Phone: 916-851-3500

Responsible Person's Declaration statement

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I understand that a registered copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections, and I will take the necessary steps to accomplish this requirement.
6. I understand that a registered copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy, and I will take the necessary steps to accomplish these requirements.

Responsible Designer Name:	Responsible Designer Signature:	
Company: WMB Architects		
Address: 575 Pacific Ave Siote 226	Date Signed:	
City/State/Zip: Stockton, CA 95207	License #:	
Phone:	Title:	Scope:
Responsible Designer Name: Kevin D. Stillman	Responsible Designer Signature:	
Company: Capital Engineering		
Address: 11020 Sun Center Dr #100	Date Signed:	
City/State/Zip: Rancho Cordova, CA 95670	License #: M33498	
Phone: 916-851-3500	Title:	Scope:

WMB ARCHITECTS
5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
Walnut Park Library
2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

capital engineering
RANCHO CORDOVA, CALIFORNIA

JD - HC/AL
PM - DESIGN TEAM

230712.00
PROJECT NO.



DATE SIGNED: _____

08.23.24	BID SET

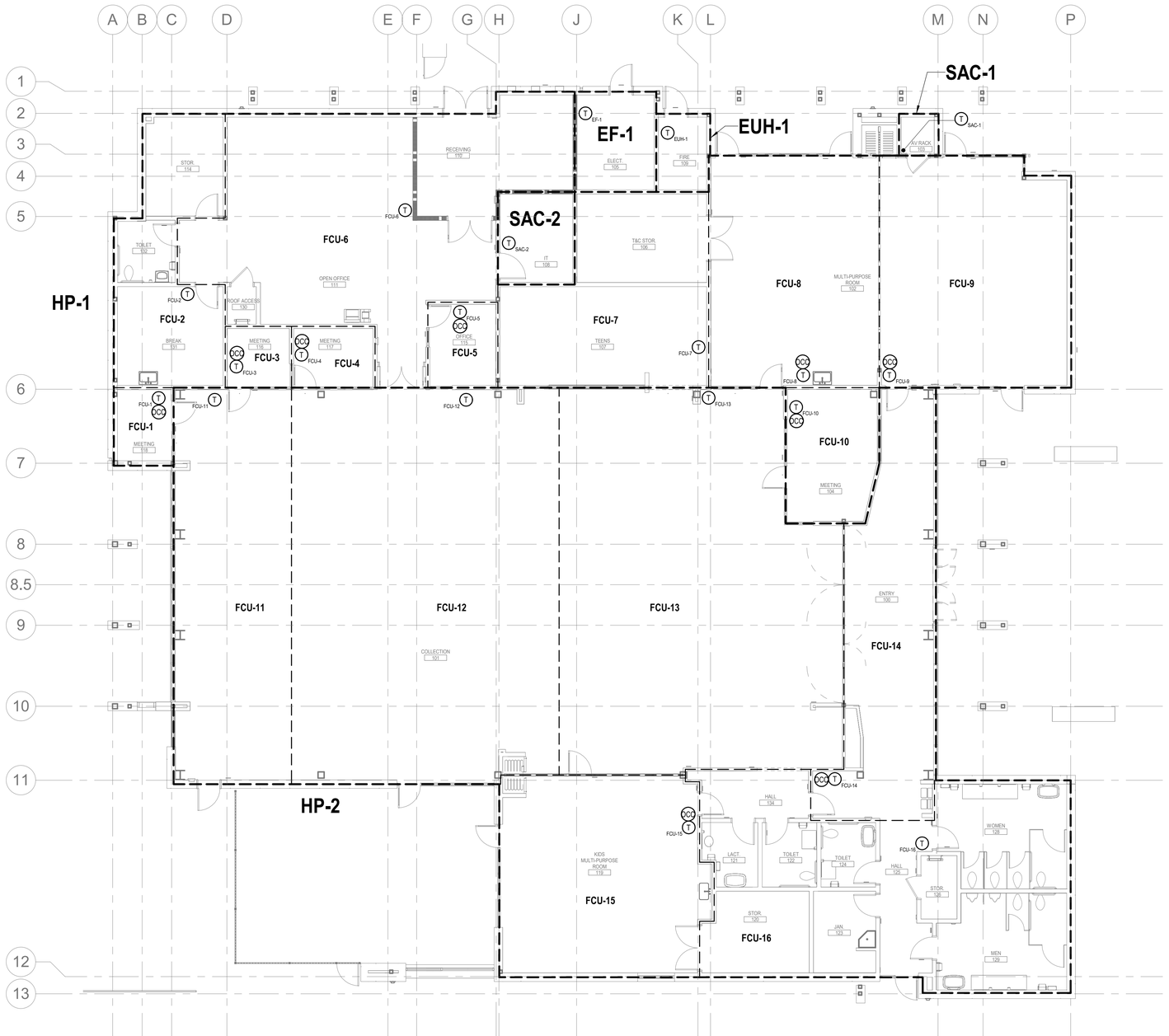
TITLE-24 COMPLIANCE FORMS

M0.4

8/24/2024 11:05:50 PM Copyright WMB, Inc.

SHEET NOTES

1. OCCUPANCY SENSOR TAGS DENOTE INTEGRATION OF FAN COIL UNIT CONTROLS WITH DIVISION 26 PROVIDED LIGHTING OCCUPANY SENSORS (DOES NOT APPLY TO ZONES WITHOUT "OCC" TAG). SEE ELECTRICAL DRAWINGS FOR LIGHTING CONTROL SYSTEM AND RELAY MODULE DETAILS. SEE 1/M6.1 FOR MORE INFORMATION ON BMS/LIGHTING CONTROL SYSTEM INTEGRATION.



1 / M1.1 HVAC ZONE PLAN

SCALE: 1/8" = 1'-0"

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY

Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

capital engineering

RANCHO CORDOVA, CALIFORNIA

JD - HC/AL — PM - DESIGN TEAM
230712.00 — PROJECT NO.

REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA — MECHANICAL — EXP. 06/30/26

NOT FOR CONSTRUCTION

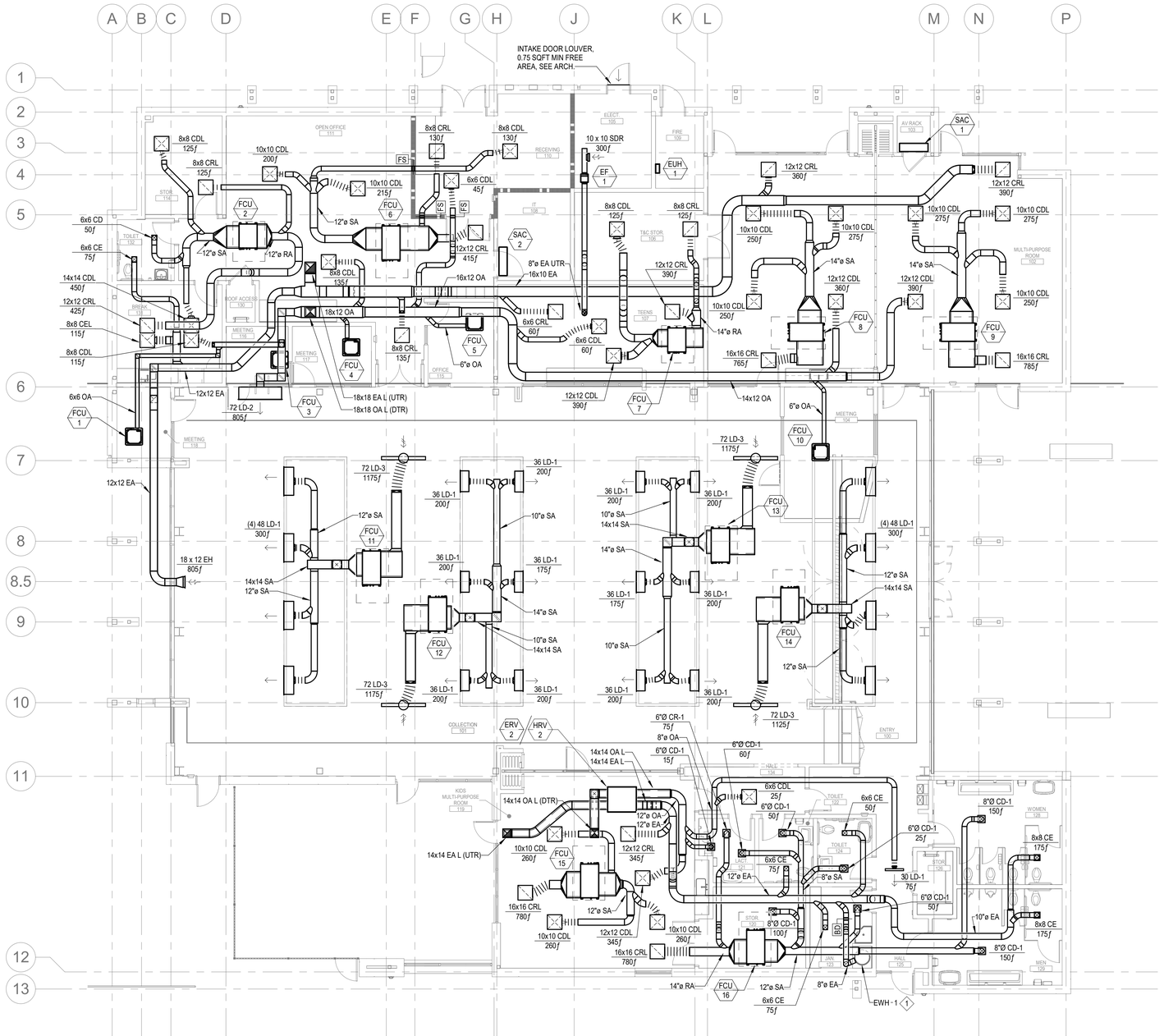
DATE SIGNED:

08.23.24	BID SET

HVAC ZONE PLAN

M1.1

8/24/2024 11:05:51 PM Copyright WMB, Inc.



1 M2.1 HVAC FLOOR PLAN

SCALE: 1/8" = 1'-0"

SHEET NOTES

1. PROVIDE MANUAL AIR DAMPER AT ALL OUTSIDE AIR BRANCH DUCTS TO FAN COIL UNITS. SEE VRF FAN COIL UNIT SCHEDULE ON M0.2 FOR OUTSIDE AIR CFM.
2. SEE M0.2 FOR TABLE OF BRANCH DUCT SIZES TO INDIVIDUAL DIFFUSERS, GRILLES & REGISTERS. SIZE SUPPLY AND RETURN AIR DUCT PLENUMS ENTERING AND LEAVING FAN COILS TO MATCH SIZE OF DUCT CONNECTIONS AT FAN COILS. LINE DUCT AS INDICATED ON PLANS.

KEY NOTES

1. CONNECT TO OUTLET DUCT ADAPTER KIT PROVIDED BY DIV. 22.

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY

Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

capital engineering
RANCHO CORDOVA, CALIFORNIA

JD - HC/AL
PM - DESIGN TEAM

230712.00
PROJECT NO.

REGISTERED PROFESSIONAL ENGINEER KEITH D. SCHLEIF MECHANICAL STATE OF CALIFORNIA EXP. 06/30/26

NOT FOR CONSTRUCTION

DATE SIGNED:

08.23.24	BID SET

HVAC FLOOR PLAN

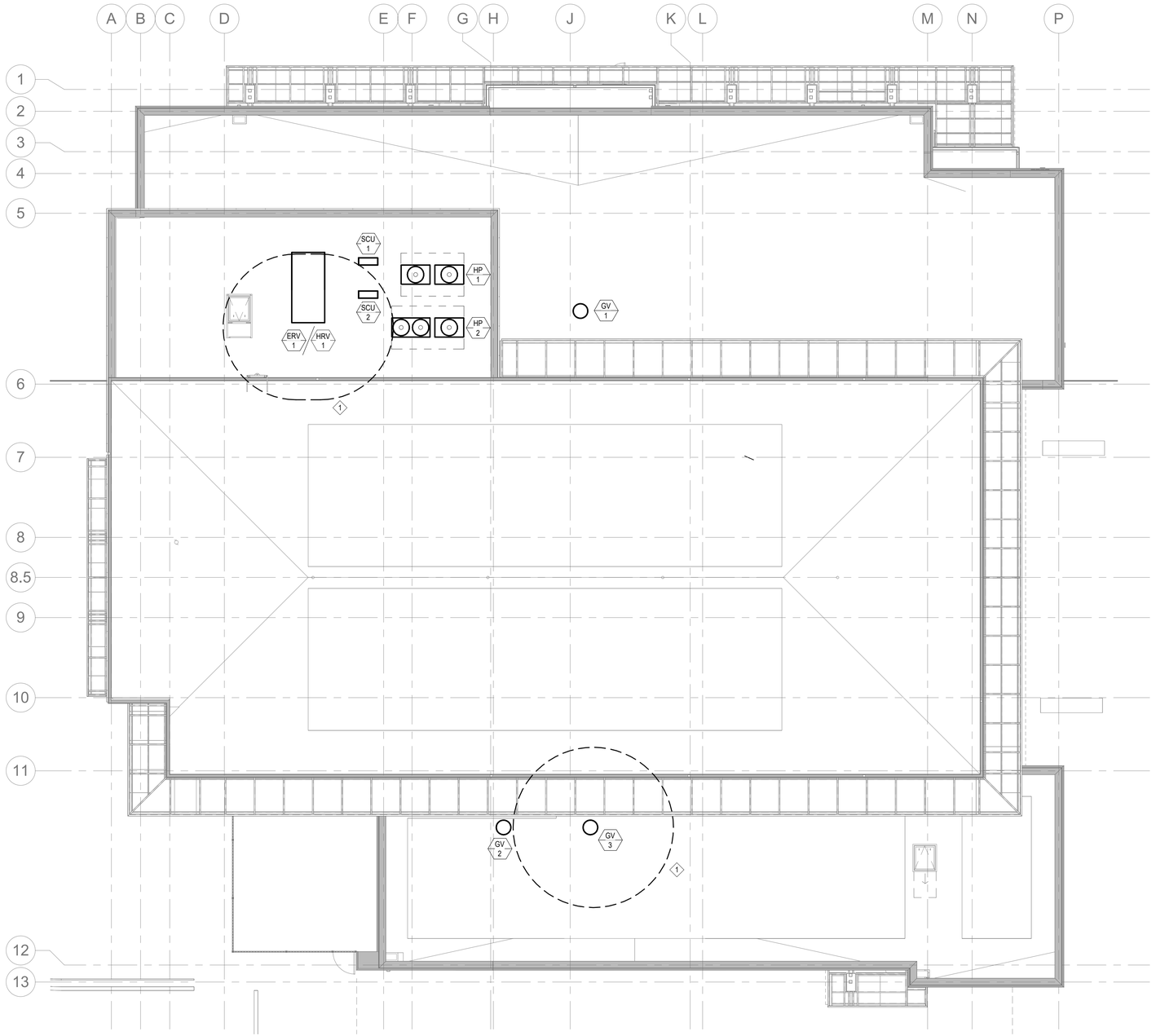
M2.1

8/24/2024 11:05:52 PM

Copyright WMB, Inc.

KEY NOTES

1. MAINTAIN MINIMUM 10' CLEARANCE BETWEEN OUTSIDE AIR INTAKE AND ALL EXHAUST AIR DISCHARGES AND VENT PIPING THROUGH ROOF (VTRs).



1 M2.2 HVAC ROOF PLAN

SCALE: 1/8" = 1'-0"

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY

Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

capital engineering

RANCHO CORDOVA, CALIFORNIA

JD - HC/AL
PM - DESIGN TEAM

230712.00
PROJECT NO.

REGISTERED PROFESSIONAL ENGINEER
KEVIN D. LEWIS
MECHANICAL
STATE OF CALIFORNIA

NOT FOR CONSTRUCTION

DATE SIGNED:

08.23.24	BID SET

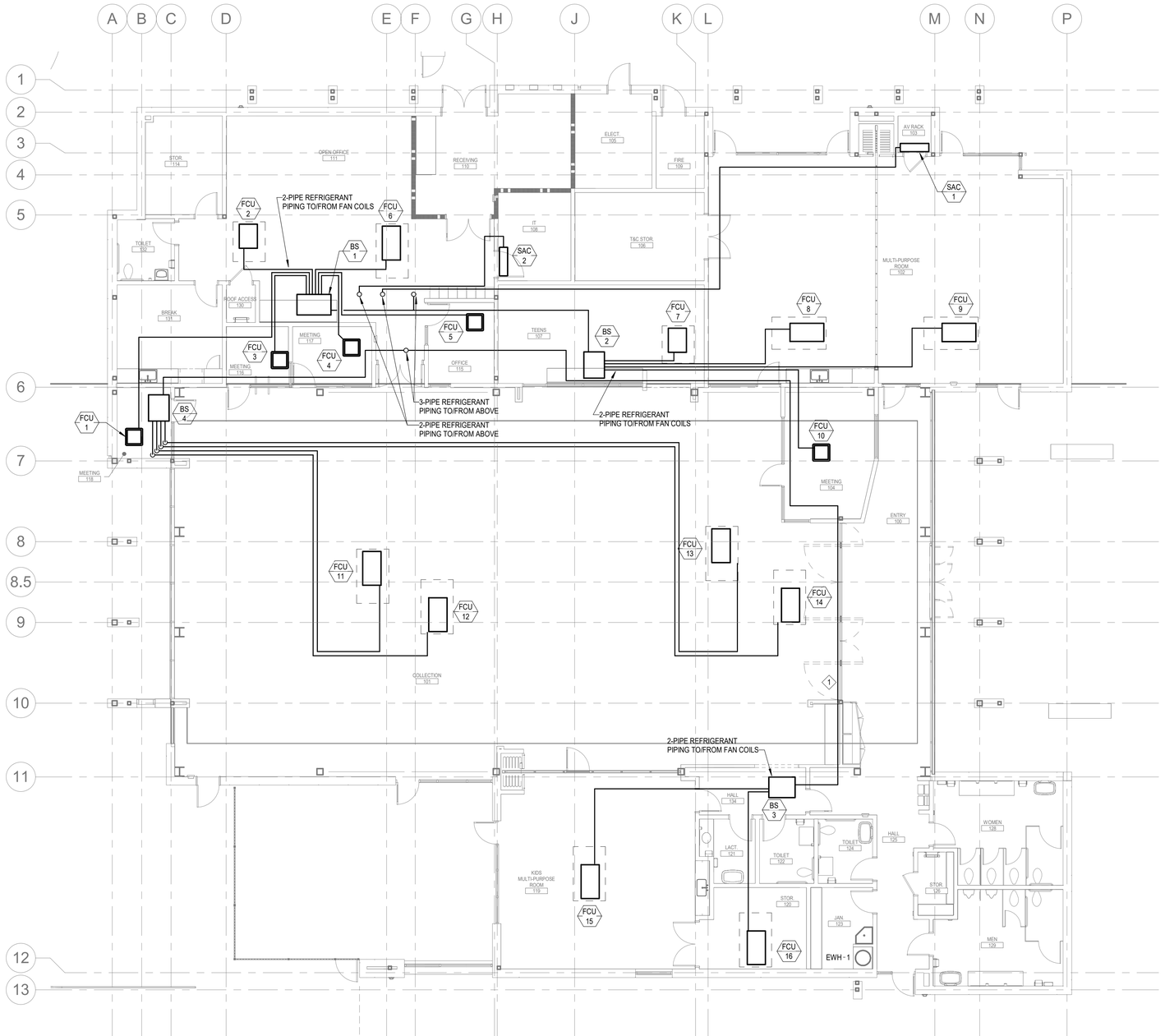
HVAC ROOF PLAN

M2.2

8/24/2024 11:05:53 PM Copyright WMB, Inc.

KEY NOTES

1. ROUTE REFRIGERANT PIPING IN HORIZONTAL SOFFIT ABOVE COLLECTION ENTRY DOORS.



1 / M3.1 HVAC PIPING FLOOR PLAN

SCALE: 1/8" = 1'-0"

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY

Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

capital engineering

RANCHO CORDOVA, CALIFORNIA

JD - HC/AL — PM - DESIGN TEAM
230712.00 — PROJECT NO.

KEVIN D. CAMPBELL — No. 26026 — MECHANICAL — STATE OF CALIFORNIA — REGISTERED PROFESSIONAL ENGINEER

NOT FOR CONSTRUCTION

DATE SIGNED:

08.23.24	BID SET

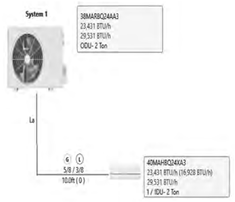
HVAC PIPING FLOOR PLAN

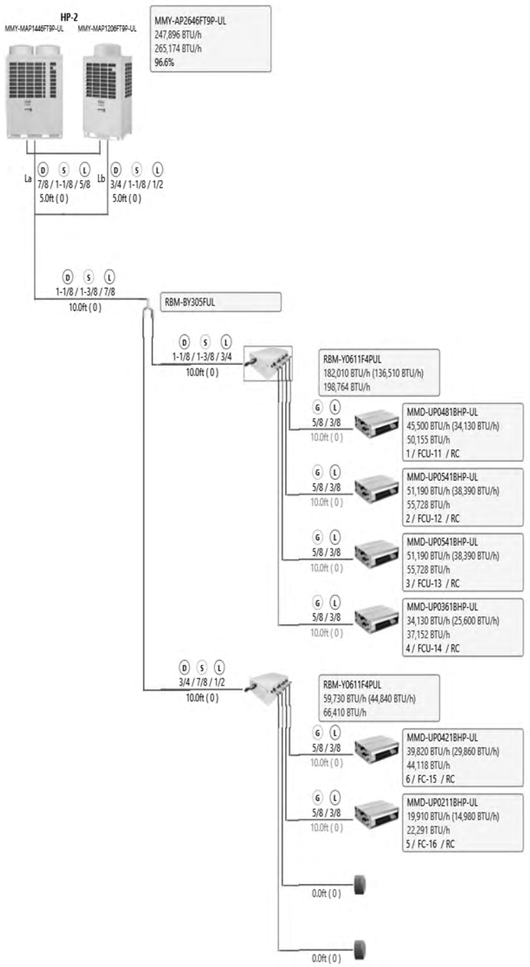
M3.1

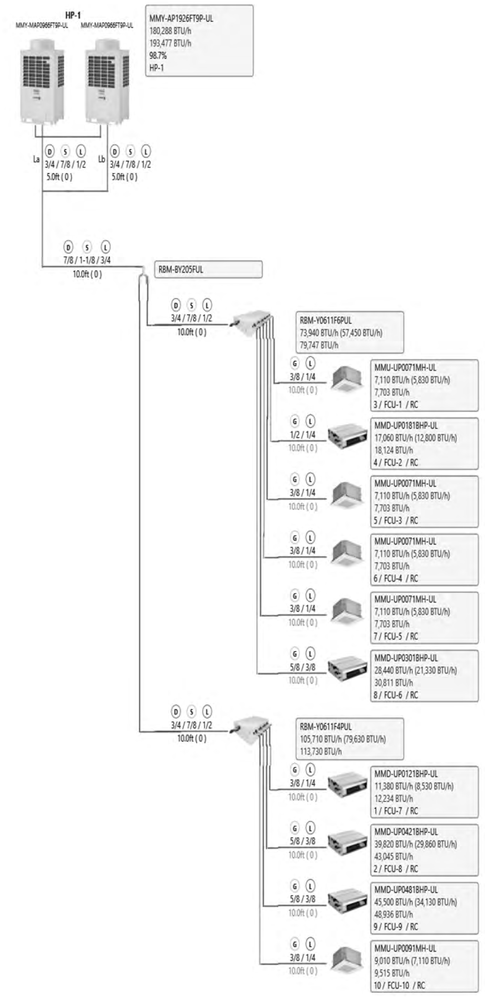
[redacted]

8/24/2024 11:05:53 PM

Copyright WMB, Inc.







WMB
ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY
LIBRARY

Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

capital
engineering
RANCHO CORDOVA, CALIFORNIA

JD - HC/AL
PM - DESIGN TEAM

230712.00
PROJECT NO.

REGISTERED PROFESSIONAL ENGINEER
KEVIN D. SCHMIDT
No. M 26026
MECHANICAL
STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

DATE SIGNED:

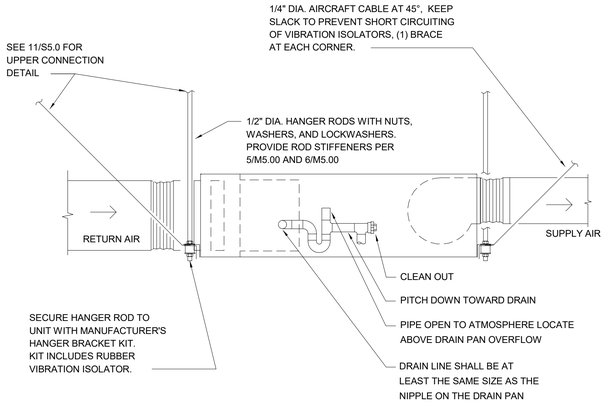
08.23.24	BID SET

HVAC PIPING DIAGRAM

M4.1

8/24/2024 11:05:54 PM

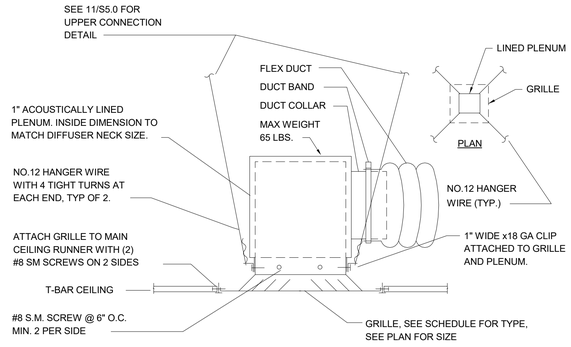
Copyright WMB, Inc.



DUCTED FCU MOUNTING

6 M5.1

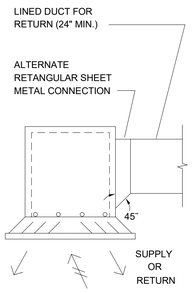
SCALE : NONE

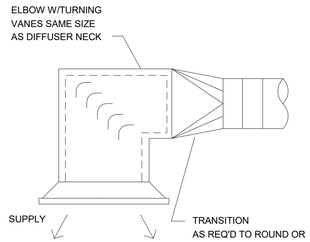


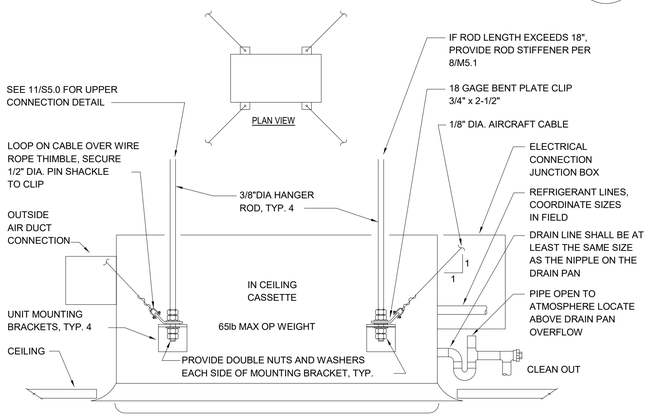
TYP. DIFFUSER/GRILLE MOUNTING

1 M5.1

SCALE : NONE



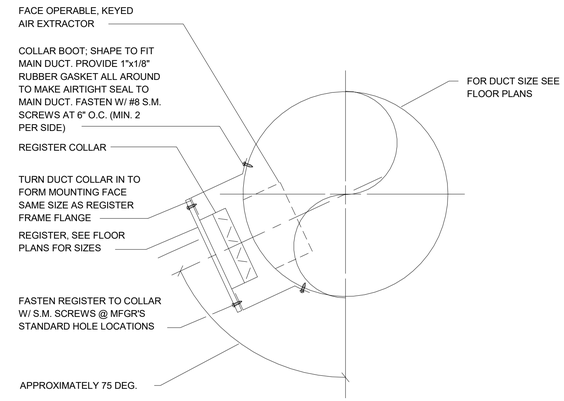




CASSETTE FCU MOUNTING

7 M5.1

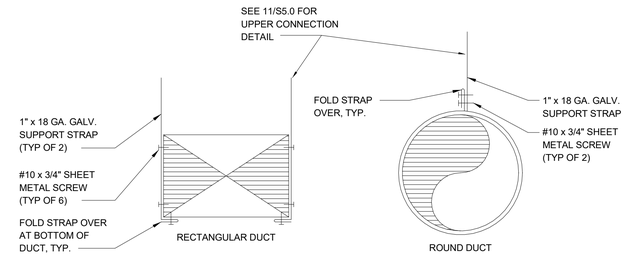
SCALE : NONE



DUCT MOUNTED REGISTERS

4 M5.1

SCALE : NONE



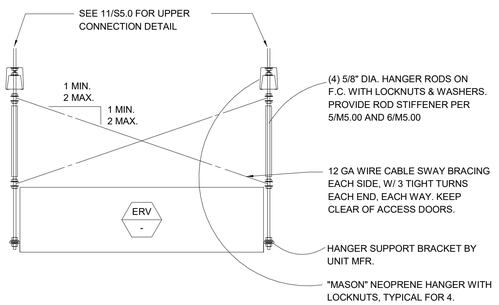
NOTES: 1. SUPPORT STRAP SPACING SHALL BE MAX. 8'-0" O.C. APPLIES TO RECTANGULAR DUCTWORK LESS THAN 6 SQFT CROSS SECTIONAL AREA, AND ROUND DUCTWORK UP TO 26" DIA. NO SEISMIC BRACING REQUIRED.

2. FOR RECTANGULAR DUCTWORK GREATER THAN 6 SQFT CROSS SECTIONAL AREA AND ROUND DUCTWORK GREATER THAN 26" DIA, PROVIDE SUPPORTS AND SEISMIC BRACING PER OPM #0043-13

TYPICAL CONCEALED DUCT SUPPORT

2 M5.1

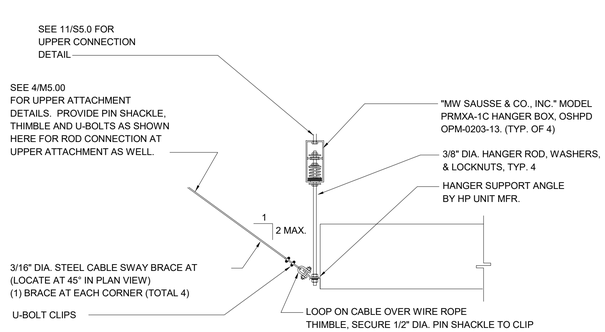
SCALE : NONE



ERV MOUNTING

8 M5.1

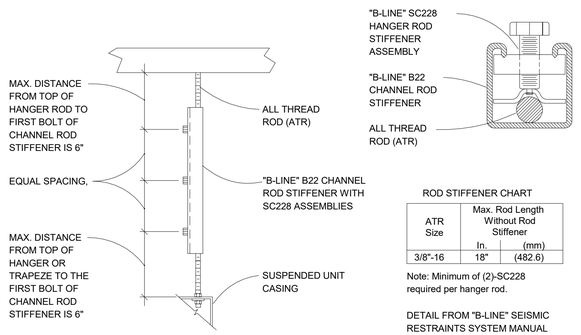
SCALE : NONE



BRANCH SELECTOR MOUNTING

5 M5.1

SCALE : NONE



ROD STIFFENER CHART

ATR Size	Max. Rod Length Without Rod Stiffener	
	In.	(mm)
3/8"-16	18"	(482.6)

Note: Minimum of (2)-SC228 required per hanger rod.

DETAIL FROM "B-LINE" SEISMIC RESTRAINTS SYSTEM MANUAL

ROD STIFFENER DETAIL

3 M5.1

SCALE : NONE

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY

Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

capital engineering
RANCHO CORDOVA, CALIFORNIA

JD - HC/AL PM - DESIGN TEAM | 230712.00 PROJECT NO.

KEVIN D. SCHMIDT REGISTERED PROFESSIONAL ENGINEER MECHANICAL STATE OF CALIFORNIA — NOT FOR CONSTRUCTION

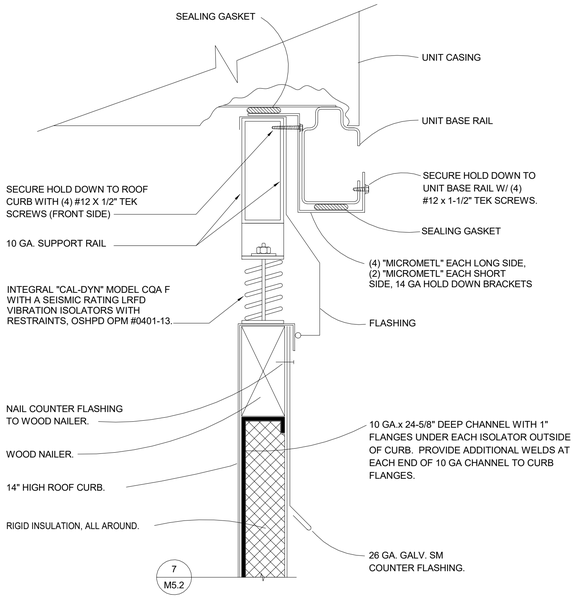
DATE SIGNED:

08.23.24	BID SET

HVAC DETAILS

M5.1

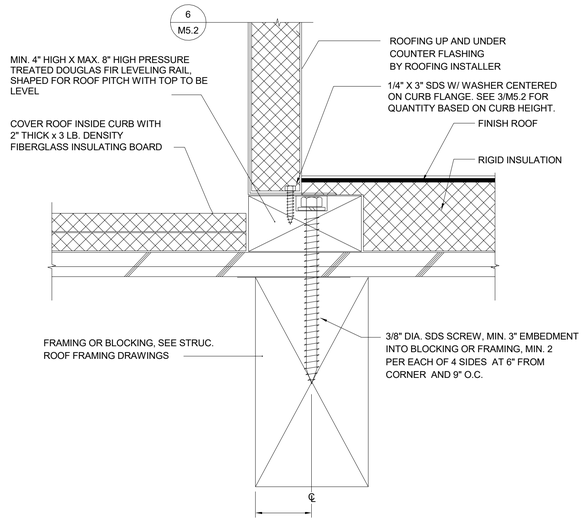
8/24/2024 11:05:54 PM Copyright WMB, Inc.



ERV CURB TO UNIT MOUNTING

SCALE : NONE

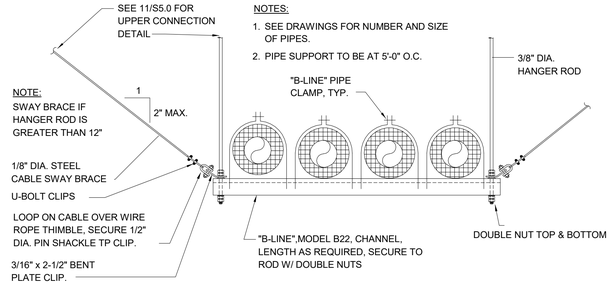
6
M5.2



CURB TO STRUCTURE MOUNTING

SCALE : NONE

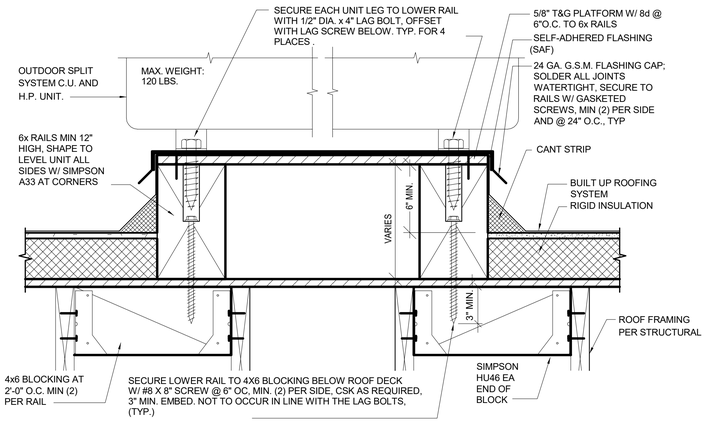
7
M5.2



PIPE MOUNTING DETAIL

SCALE : NONE

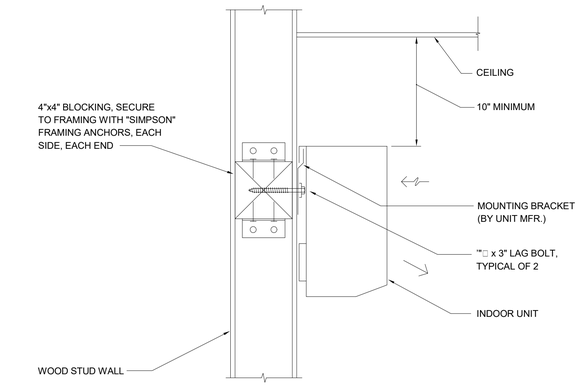
4
M5.2



SCU MOUNTING

SCALE : NONE

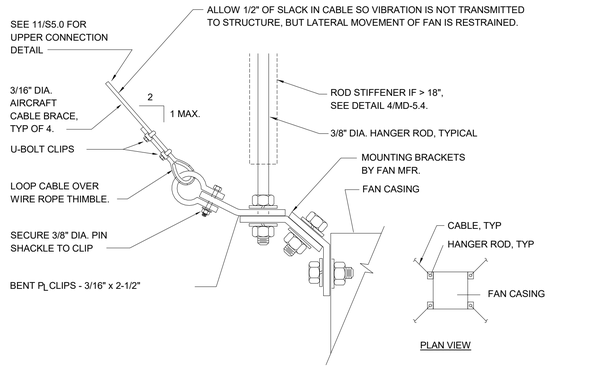
5
M5.2



SAC MOUNTING

SCALE : NONE

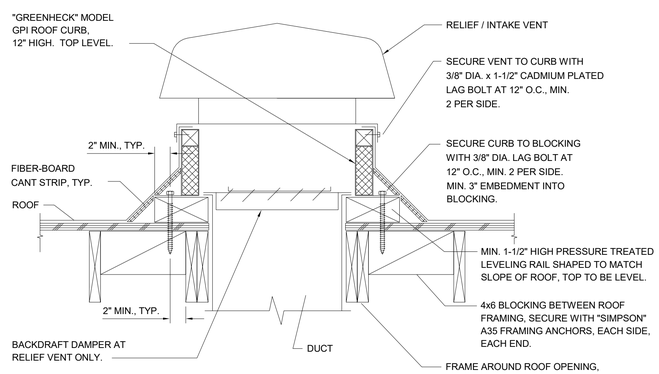
1
M5.2



INLINE EXHAUST FAN MOUNTING

SCALE : NONE

2
M5.2



GRAVITY VENTILATOR MOUNTING

SCALE : NONE

3
M5.2

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
Walnut Park Library
2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

capital engineering
RANCHO CORDOVA, CALIFORNIA
JD - HC/AL — PM - DESIGN TEAM
230712.00 — PROJECT NO.

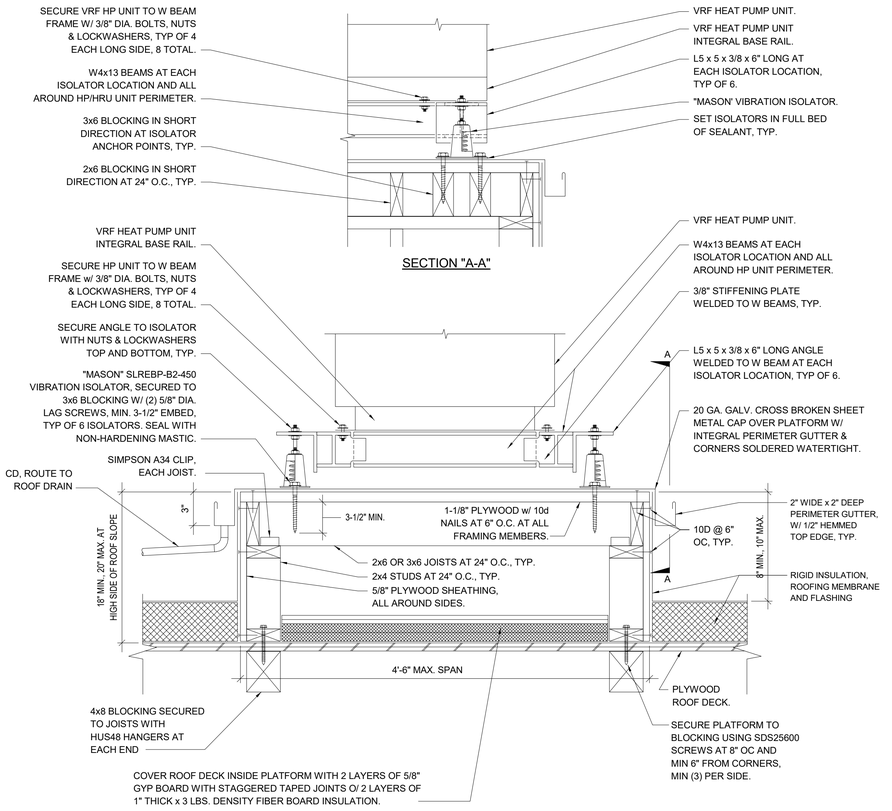
REGISTERED PROFESSIONAL ENGINEER — KEVIN D. SMITH — No. 25126 — MECHANICAL — STATE OF CALIFORNIA
NOT FOR CONSTRUCTION
DATE SIGNED:

08.23.24	BID SET

HVAC DETAILS

M5.2

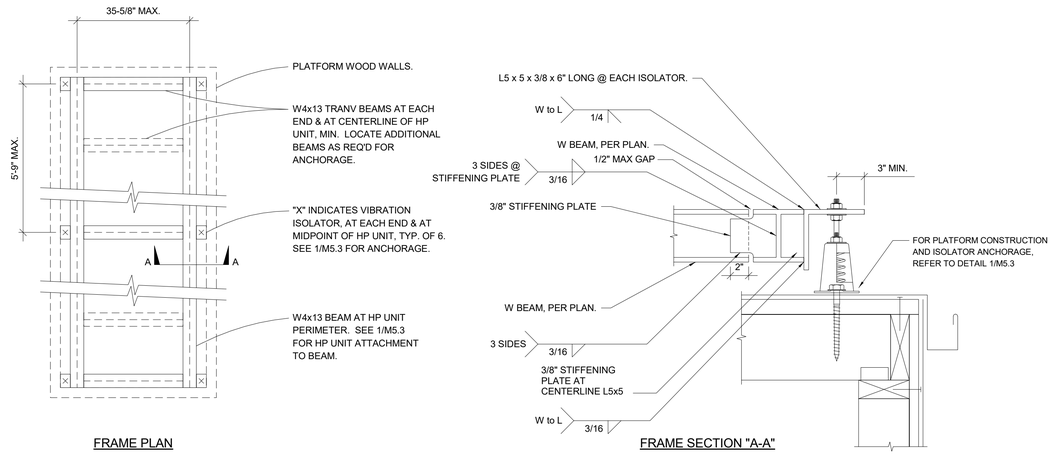
8/24/2024 11:05:54 PM
Copyright WMB, Inc.



VRF HP MOUNTING ON FRAMED PLATFORM

1 M5.3

SCALE : NONE



FRAME PLAN

FRAME SECTION "A-A"

VRF HP WITH BEAM FRAME

2 M5.3

SCALE : NONE

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY

Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

capital engineering
Rancho Cordova, California
JD - HC/AL — PM - DESIGN TEAM
230712.00 — PROJECT NO.

Kevin M. Dellamanica — Registered Professional Engineer — State of California — Exp. 06/30/26

NOT FOR CONSTRUCTION

DATE SIGNED:

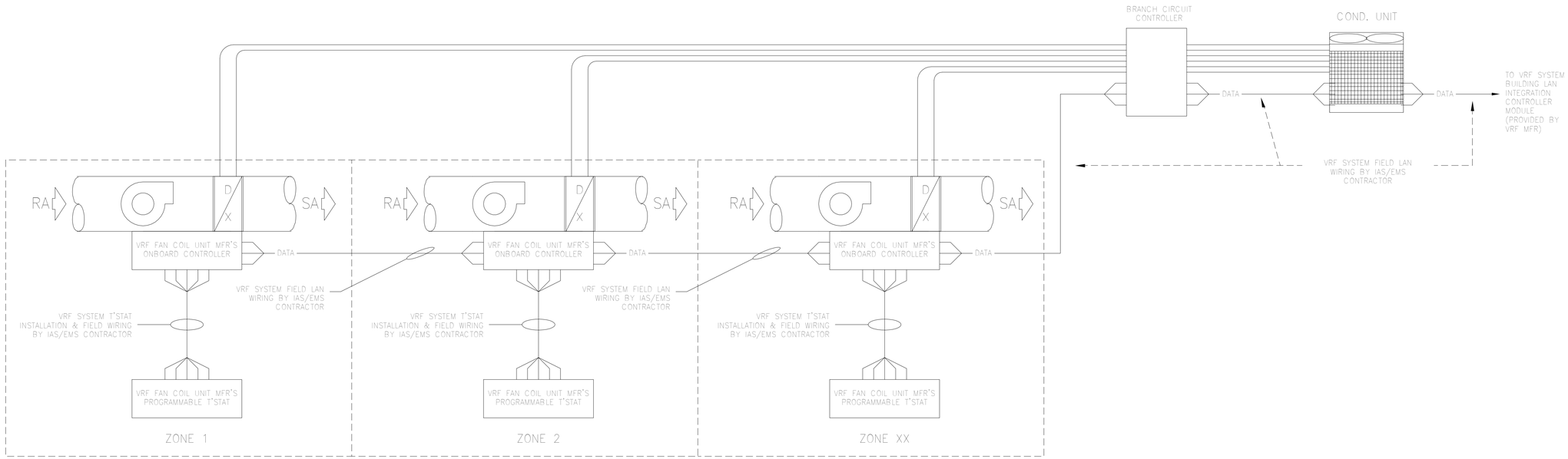
08.23.24	BID SET

HVAC DETAILS

M5.3

8/24/2024 11:05:54 PM

Copyright WMB, Inc.



VRF System with Factory Controls

1. System Overview
a. Each outdoor condensing unit, indoor fan coil unit, and refrigerant branch selector box will be directly controlled by the VRV factory-provided global controller.
b. Each indoor fan coil unit will be connected (hard wired) to a VRV factory-provided dedicated wall mounted electronic zone temperature sensor.
c. Electronic zone temperature sensors shall have a backlit LCD display and shall include: 1) physical push-buttons for warmer/cooler setpoint control; 2) physical push-button for indoor fan coil unit fan speed control; 3) visual display of room temperature, and current mode; and 4) physical push-button after-hours override control with user adjustable duration. The after-hours override duration shall have he ability to be limited from the controls front end user interface.
d. The owner standard (Alerton) EMS System shall interface with the VRF system global controller via the factory BACnet interface/gateway control module (by VRF manufacturer), to allow the EMS System to monitor (read), or command (write), certain VRF system control points. See integration points list.

2. Scheduling
a. Scheduled occupied and unoccupied hours shall be programmed thru the EMS Operator Workstation/Graphical User Interface according to EMS time schedule. Occupant manual override to provide "after-hours" system operation shall occur at the local zone temperature sensor. Duration of manual override shall be programmed thru the EMS Operator Workstation/Graphical User Interface (30 minutes min., 2 hours max).

3. Room Temperature Setpoints (adjustable)
a. Room temperature setpoints for scheduled occupied and unoccupied hours shall be programmed thru the EMS Operator Workstation/Graphical User Interface. Occupant override of room temperature setpoint shall occur at the local zone temperature sensor and shall be limited to 2°F higher/lower than programmed setpoints. Room temperature setpoints are as follows:
   - Occupied room heating setpoint: 68°F
   - Unoccupied room heating setpoint: 58°F
   - Occupied room cooling setpoint: 75°F
   - Unoccupied room cooling setpoint: 85°F
b. During periods of Vacancy, whereas a zone is empty for more than 15 minutes during scheduled occupied hours (as seen by EMS via BACnet integration with lighting control system occupancy sensors), the EMS system shall setup/setback the room temperature setpoints by 2°F (adjustable). When room occupancy returns, EMS shall revert back to occupied room temperature setpoint.

4. Unit Fan Operation
a. When the zone is in Occupied Mode or in Afterhours Mode, the fan shall run continuously.
b. During the Unoccupied Mode as determined by EMS time schedule, the unit fan cycles with demand as needed to maintain the unoccupied room heating and cooling temperature setpoints.

5. Automatic Demand Reduction Controls
a. EMS shall be programmed with capability to implement centralized demand shed for all non-critical zones upon call for Automatic Demand Reduction. Critical zones shall not be impacted by demand shed conservation measures.

6. Zone Pre-Occupancy Purge
a. The EMS shall schedule the zone to be in Occupied Mode one hour prior to the actual time of anticipated occupancy.

7. Heating operation
a. The VRF system global controller compares the zone heating setpoint with the space temperature and determines a need-heating control signal to provide mechanical heating.

8. Cooling operation
a. The VRF system global controller compares the zone cooling setpoint with the space temperature and determines a need-cooling control signal to provide mechanical cooling.

9. Integration Points List – The following VRF system control points shall be displayed on the EMS Operator Workstation/Graphical User Interface via the VRF system factory BACnet interface/gateway control module:
a. Fan coil unit tag identification number.
b. Unit occupancy command.
c. Unit status.
d. Fan status.
e. Zone temperature.
f. Zone occupied cooling setpoint.
g. Zone occupied heating setpoint.
h. Zone unoccupied cooling setpoint.
i. Zone unoccupied heating setpoint.
j. Fan coil unit discharge air temperature.
k. Fan coil unit operation mode.
l. Room occupancy mode (via BACnet integration to lighting control system occupancy sensor).
m. Fan coil unit alarm status.
n. Compressor status.
o. Fan coil unit thermal conditioning status.
p. Fan coil unit thermal conditioning lockout status.

VRF BMS INTEGRATION

SCALE : NONE

1
M6.1

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY

Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

capital engineering
RANCHO CORDOVA, CALIFORNIA

JD - HC/AL
PM - DESIGN TEAM

23072.00
PROJECT NO.

REGISTERED PROFESSIONAL ENGINEER
KEVIN D. SCHMIDT
No. M 25026
MECHANICAL
STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

DATE SIGNED:

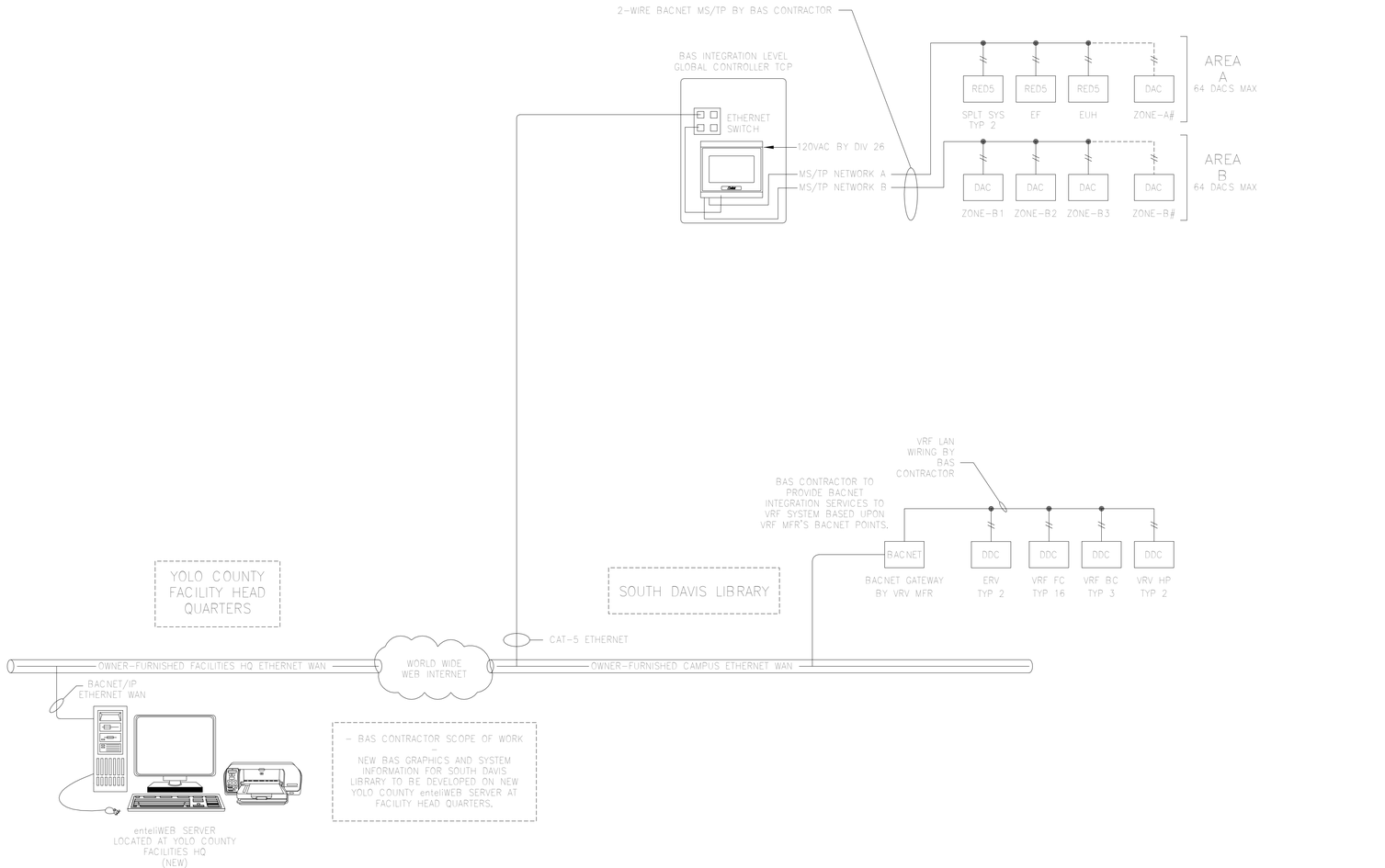
08.23.24	BID SET

HVAC CONTROLS

M6.1

8/24/2024 11:05:54 PM

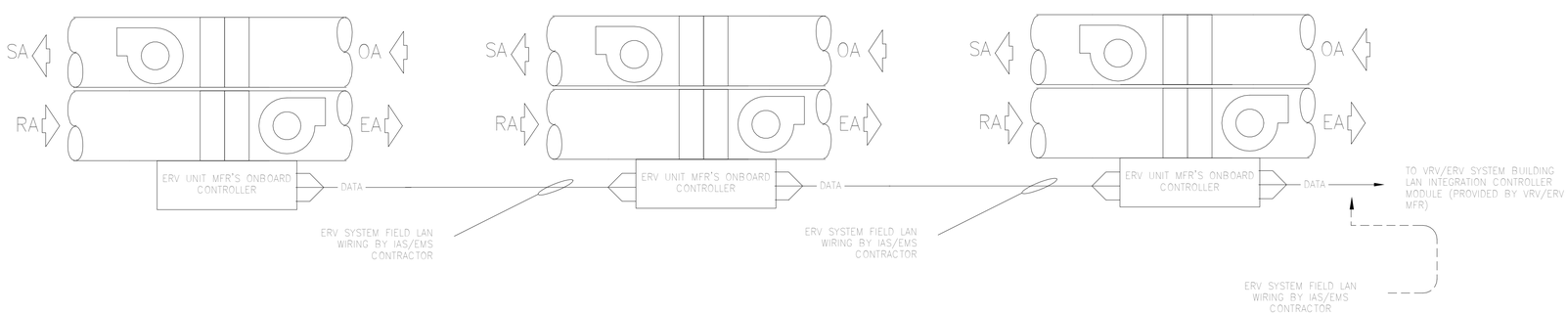
Copyright WMB, Inc.



NETWORK RISER DIAGRAM

SCALE : NONE

1
M6.2



ERV WIRING DIAGRAM

SCALE : NONE

2
M6.2

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY

Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

capital engineering
RANCHO CORDOVA, CALIFORNIA
JD - HC/AL PM - DESIGN TEAM
230712.00 PROJECT NO.

REGISTERED PROFESSIONAL ENGINEER
KEVIN D. SMITH
No. M 29206
MECHANICAL
STATE OF CALIFORNIA

NOT FOR CONSTRUCTION

DATE SIGNED:

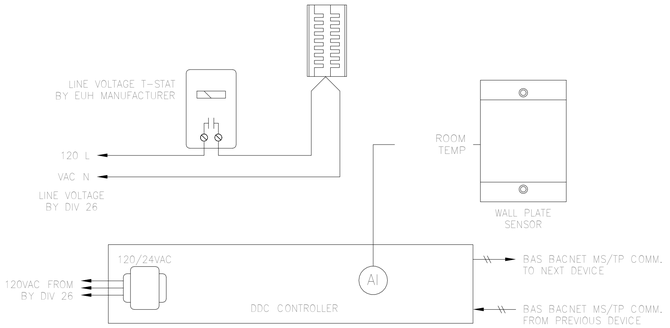
08.23.24	BID SET

HVAC CONTROLS

M6.2

[redacted]

8/24/2024 11:05:55 PM Copyright WMB, Inc.



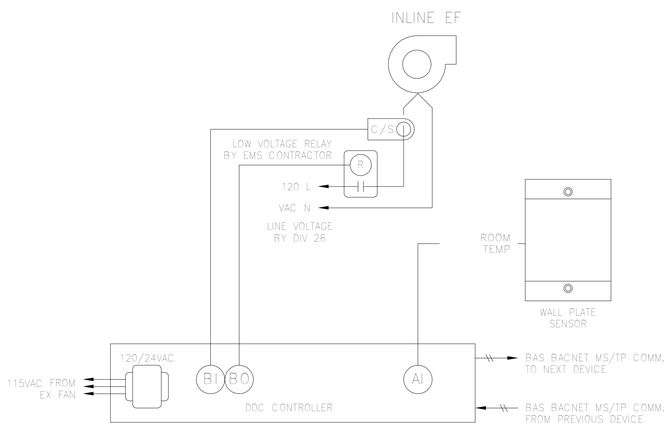
Electric Unit Heater Operation

1. The electric unit heater will be controlled by a line-voltage thermostat mounted in the space.
2. The initial setpoint for the thermostat shall be 55 deg. F.
3. The thermostat will start the fan when the space temperature falls below 55 deg. F. Provide a 2 deg. F. deadband
4. Monitoring - The following conditions shall be monitored by the EMS:
   a. Zone temp.

ELECTRIC UNIT HEATER CONTROL DIAGRAM

2
M6.3

SCALE : NONE



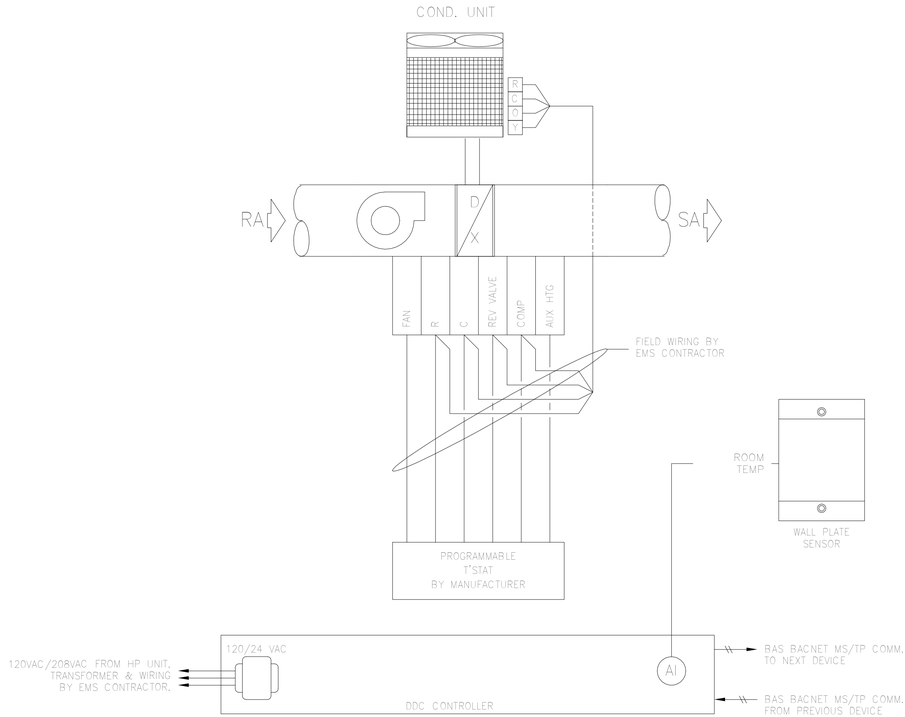
Exhaust Fan Operation

1. The exhaust fan will operate to maintain room temperature setpoint as sensed by wall mounted temp sensor
2. Initial room temperature setpoint shall be 80°F (adjustable).
3. Monitoring - The following conditions shall be monitored by the EMS:
   a. Zone temp.
   b. Status of exhaust fan
4. Alarm - If the exhaust fan fails to run while commanded to the on state, an alarm shall be displayed and annunciated at the operator's console

EXHAUST FAN CONTROL DIAGRAM

3
M6.3

SCALE : NONE



Fan Coil Operation

1. The Heat Pump unit will operate under its own controls to maintain room temperature setpoint as determined by wall mounted programmable thermostat.
2. Monitoring - The following conditions shall be monitored by the EMS:
   a. Zone temp.
   b. Alarm - If the zone temp exceeds 80°F (adjustable), an alarm shall be displayed and annunciated at the operator's console

SPLIT SYSTEM CONTROL DIAGRAM

1
M6.3

SCALE : NONE

WMB
ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY
LIBRARY

Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

capital engineering
RANCHO CORDOVA, CALIFORNIA

JD - HC/AL
PM - DESIGN TEAM

230712.00
PROJECT NO.



DATE SIGNED: _____

08.23.24	BID SET

HVAC CONTROLS

M6.3

[redacted]

8/24/2024 11:05:55 PM Copyright WMB, Inc.

SYMBOLS LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
	---	3 WAY MODULATING CONTROL VALVE
	---	3 WAY TWO POSITION CONTROL VALVE
	---	3 WAY VALVE
	---	ANCHOR
	---	ANGLE GLOBE VALVE
	AVN	ANGLE VALVE
	AQ	AQUASTAT
	AD	AREA DRAIN
	---	AUTOMATIC AIR VENT
	---	AUTOMATIC FLOW CONTROL
	BFP, BP, DCW	BACKFLOW PREVENTER, REDUCE PRESSURE, DOUBLE CHECKVALVE
	---	BALANCING VALVE
	---	BALL JOINT
	---	BALL VALVE
	---	BOTTOM CONNECTION
	---	BUTTERFLY VALVE
BPT	BPT	BYPASS TIMER
	CBV	CALIBRATED BALANCE VALVE
	CB, RD	CATCH BASIN, ROOF DRAIN
	---	CHECK VALVE
	---	CIRCUIT SETTER VALVE
	CP	CIRCULATING PUMP
	CO	CLEANOUT
DS	DS	DYNAMIC SENSOR
	---	ECCENTRIC REDUCER
	EJ	EXPANSION JOINT
F	FD	FIRE DAMPER
	FDC	FIRE DEPARTMENT CONNECTION
	FHC	FIRE HOSE RACK AND CABINET
	FH	FIRE HYDRANT
FS	FS	FIRE/SMOKE DAMPER
	---	FLEXIBLE CONNECTOR
	---	FLOAT & THERMOSTATIC TRAP
	FD	FLOOR DRAIN
	FS	FLOOR SINK
	---	FLOW ARROW
FE	---	FLOW ELEMENT
	FLV	FLOW LIMITING VALVE
FS	FS	FLOW SWITCH
	GCK	GAGE COCK

SYMBOLS LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
	GSCK, PC	GAS COCK, PLUG COCK
	GM	GAS METER
	GPR	GAS PRESSURE REGULATOR
	---	GATE VALVE WITH HOSE ADAPTER
	---	GATE VALVE
	---	GLOBE VALVE
	HD	HOPPER DRAIN
	HB	HOSE BIBB
	HB	HOSE BIBB
H X	H	HUMIDISTAT
	---	INVERTED BUCKET TRAP
	---	LIMIT OF DEMOLITION
	---	MANUAL AIR VENT
	---	MODULATING CONTROL VALVE
	---	PIPE BREAK
	---	PIPE CAP
	---	PIPE DOWN
	---	PIPE GUIDE
	---	PIPE UP
	---	POINT OF CONNECTION
	PIV	POST INDICATOR VALVE
	PRV	PRESSURE REGULATING VALVE
	---	PRESSURE RELIEF VALVE
	---	REDUCER
SD	SD	SMOKE DAMPER
SD	SKD	SMOKE DETECTOR
	---	SOLENOID VALVE
	---	STRAINER
TS X	TS	TEMPERATURE SENSOR
	---	TEST PLUG
	---	THERMOMETER
T X	T	THERMOSTAT
	TP	TRAP PRIMER
	---	TWO POSITION CONTROL VALVE
	---	UNION
	---	VALVE IN RISER/DROP
	VB	VALVE IN VALVE BOX
	---	WALL CLEANOUT
	WHA	WATER HAMMER ARRESTOR
WM	WM	WATER METER

PLUMBING ABBREVIATIONS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
ABC	ABOVE CEILING	NO	NORMALLY OPEN
ACC DR	ACCESS DOOR	NTS	NOT TO SCALE
ACC P	ACCESS PANEL	OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
AFF	ABOVE FINISHED FLOOR	OFOI	OWNER FURNISHED, OWNER INSTALLED
AFG	ABOVE FINISHED GRADE	OH	OVERHEAD
ASH	AUTOMATIC SPRINKLER HEAD	OS & Y	OUTSIDE SCREW AND YOKE
BEL	BELOW	PH	PHASE
BFF	BELOW FINISHED FLOOR	PLBG	PLUMBING
BFG	BELOW FINISHED GRADE		
BFP	BACKFLOW PREVENTER	(R)	RISER
BLDG	BUILDING	REC	RECESSED
CFF	CAPPED FOR FUTURE	REQD	REQUIRED
CLG	CEILING	REV	REVISION
COL	COLUMN	RM	ROOM
CONN	CONNECT/CONNECTION	RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
CONT	CONTINUATION	RWL	RAIN WATER LEADER
(D)	DROP	SD	STORM DRAIN
DF	DRINKING FOUNTAIN	SH	SHOWER
DIA	DIAMETER	SOV	SHUT OFF VALVE
DN	DOWN	SPEC	SPECIFICATION
DW	DISHWASHER	SS	STAINLESS STEEL/SERVICE SINK
DWG	DRAWING	STD	STANDARD
(E)	EXISTING	STRUC	STRUCTURAL
EL	ELEVATION	(TA)	TO ABOVE
ELEC	ELECTRICAL	(TB)	TO BELOW
EQUIP	EQUIPMENT	T.C.C.	TEMPERATURE CONTROLS CONTRACTOR
ES	EMERGENCY SHOWER	TD	TRENCH DRAIN
EW	EYE WASH	TEMP	TEMPERATURE
EWC	ELECTRIC WATER COOLER	TS	TAMPER SWITCH
FA	FROM ABOVE	TYP	TYPICAL
FB	FROM BELOW	UF	UNDER FLOOR
FD	FLOOR DRAIN	UG	UNDERGROUND
FFE	FINISHED FLOOR ELEVATION	UL	UNDERWRITERS' LABORATORIES
FF	FINISHED FLOOR	UR	URINAL
FLR	FLOOR	US	UNDER SLAB
FSR	FIRE SPRINKLER RISER	V	VENT
FT	FLOOR TOILET	VTR	VENT THRU ROOF
/FT	PER FOOT	VO	VALVED OUTLET
FTK	FLUSH TANK	W/	WITH
FU	FIXTURE UNIT	W/O	WITHOUT
FV	FLUSH VALVE	W	WASTE
GAL	GALLONS	WC	WATER CLOSET
HR	HOUR	WC/L	WATER CLOSET AND LAVATORY
HT	HEIGHT	ZCV	ZONE CONTROL VALVE
HTR	HEATER		
HWH	HOT WATER HEATER		
IE	INVERT ELEVATION		
KS	KITCHEN SINK		
MC	MOTOR CONTROLLER		
MECH	MECHANICAL		
MTD	MOUNTED		
(N)	NEW		
NC	NORMALLY CLOSED		

PLUMBING GENERAL NOTES

1. ACCESS PANELS SHALL BE PROVIDED AS NECESSARY TO PROPERLY ACCESS THE PLUMBING SYSTEM INCLUDING VALVES, REFER TO SPECIFICATION SECTION 08310.
2. OFFSET VENT THROUGH ROOFS 10'-0" MINIMUM FROM AIR INTAKES AND 4'-0" FROM OUTSIDE WALLS.
3. HVAC EQUIPMENT IS SHOWN FOR THE COORDINATION OF UTILITIES ONLY. REFER TO 'M' SHEETS FOR MORE INFORMATION.
4. THE CONNECTION OF CONDENSATE DRAIN LINES TO HVAC EQUIPMENT SHALL INCLUDE A MINIMUM 4" DEEP "P"-TRAP AND PLUGGED TEE AT ALL OFFSETS.
5. PROVIDE WATER HAMMER ARRESTORS (WHA) AS INDICATED ON PLUMBING PLANS AND/OR AS DESCRIBED WITHIN DIVISION 22 SPECIFICATIONS. SIZING SHALL BE IN ACCORDANCE WITH PDI STANDARD WH-201.
6. FOR PIPES PASSING THROUGH, UNDER OR PARALLEL TO BUILDING FOOTINGS, RETAINING WALLS ETC. REFER TO STRUCTURAL DETAILS, 'S' SHEETS, FOR TYPICAL ARRANGEMENT.
7. CONTRACTOR SHALL FIELD VERIFY ALL POINTS OF CONNECTION TO SITE PIPING (LOCATIONS AND INVERT) PRIOR TO EXCAVATION, FABRICATION AND INSTALLATION OF ASSOCIATED PIPING RUNS. NOTIFY ARCHITECT AND OR ENGINEER IMMEDIATELY IF POINTS OF CONNECTION OR INVERTS ARE DIFFERENT THAN REPRESENTED ON THE DRAWINGS.
8. OFFSET ALL RISERS AND DROPS TO AVOID PENETRATIONS AT TOP PLATES.
9. PENETRATION OF PIPES, CONDUIT, ETC., IN WALLS AND/OR FLOORS REQUIRING PROTECTED OPENINGS SHALL BE FIRE STOPPED. MATERIAL SHALL BE A TESTED ASSEMBLY APPROVED BY THE STATE FIRE MARSHAL.
10. SEAL ALL PIPE PENETRATIONS THRU FLOORS WATERTIGHT.
11. DRAWINGS SHALL BE CONSIDERED DIAGRAMMATIC ONLY. CONTRACTOR SHALL FIELD VERIFY WHERE POSSIBLE, EXACT LOCATIONS, SIZES, AND ELEVATIONS OF ALL ITEMS SHOWN PRIOR TO THE INSTALLATION OF ANY NEW WORK.
12. THE DRAWINGS ARE NOT INTENDED TO SHOW EVERY OFFSET OR FITTING OR EVERY STRUCTURAL DIFFICULTY THAT MAY BE ENCOUNTERED DURING INSTALLATION OF THE WORK. LOCATION OF ALL ITEMS NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE ONLY. EXACT LOCATIONS NECESSARY TO SECURE BEST CONDITIONS AND RESULTS MUST BE DETERMINED AT THE JOB SITE AND SHALL HAVE THE APPROVAL OF THE ARCHITECT BEFORE BEING INSTALLED.
13. ALL VALVES SHOWN SHALL BE FULL LINE SIZE UNLESS OTHERWISE NOTED.
14. CLOSELY COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO TRENCHING OR INSTALLATION OF NEW. IDENTIFY SIZE AND LOCATIONS OF ALL PENETRATIONS THROUGH FOUNDATIONS, WALLS OR ROOFS PRIOR TO FABRICATION OF ANY SYSTEMS OR ORDERING MATERIALS AFFECTED BY POSSIBLE COORDINATION CONFLICTS.
15. CONCRETE ANCHORS SHALL BE HILTI, KWIK BOLT TZ 3/8" WITH EMBEDMENT AS PER STRUCTURAL PLANS. ANCHORS SHALL BE TESTED PER IR 19-1, INTERPRETIVE REGULATION FOR EXPANSION ANCHORS IN HARDENED CONCRETE. ANCHOR TEST SHALL BE 968 LBS. TENSION.
16. PIPING SHALL BE SUPPORTED AND BRACED IN STRICT COMPLIANCE WITH DIVISION 22 SPECIFICATIONS.
17. PENETRATION OF PIPES, CONDUITS, ETC., IN WALLS AND/OR FLOORS REQUIRING PROTECTED OPENINGS SHALL BE FIRE STOPPED. MATERIAL SHALL BE A TESTED ASSEMBLY APPROVED BY THE STATE FIRE MARSHAL.
18. ALL NEW SANITARY WASTE PIPING SHOWN SHALL BE SLOPED AT 1/4" PER FOOT MINIMUM UNLESS OTHERWISE NOTED ON PLANS. WHERE SLOPES LESS THAN 1/4" PER FOOT ARE INDICATED, CONTRACTOR SHALL SLOPE NEW PIPING UNIFORMLY BETWEEN UPPER TERMINAL OF PIPE AND THE POINT OF CONNECTION TO THE SITE PIPING (AS INDICATED ON THE CIVIL PLANS) TO ACHIEVE MAXIMUM SLOPE POSSIBLE AND IN NO CASE SHALL THE PIPING BE SLOPED LESS THAN THE MINIMUM INDICATED.
19. CONCEAL ALL PIPING IN WALL FURRING, PARTITIONS, ETC., EXCEPT AT MECHANICAL ROOMS.
20. REFER TO ARCHITECTURAL DRAWINGS FOR BUILDING DIMENSIONS AND EXACT LOCATIONS OF PLUMBING FIXTURES.

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC, SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 29 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (e.g. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
3. MOVABLE EQUIPMENT THAT IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF THAT DIRECTLY SUPPORT THE EQUIPMENT ARE TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE ATTACHMENT OF THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.

B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTION SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING, DUCTWORK & ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8 AND CBC 2022, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL BE DETAILED ON THE APPROVED DRAWINGS OR THEY SHALL COMPLY WITH ONE OF THE OSHPD PRE-APPROVALS (OPM #)

COPIES OF THE MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF HANGING THE BRACING OF THE PIPE, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS.

THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY

Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

capital engineering

RANCHO CORDOVA, CALIFORNIA

JD - HC/AL — PM - DESIGN TEAM
230712.00 — PROJECT NO.

REGISTERED PROFESSIONAL ENGINEER — KEVIN D. SPARKS — No. M 26026 — MECHANICAL — STATE OF CALIFORNIA

NOT FOR CONSTRUCTION

DATE SIGNED:

08.23.24	BID SET

PLUMBING LEGENDS & NOTES

P0.1

9/24/2024 11:05:55 PM

Copyright WMB, Inc.

ELECTRIC WATER HEATER SCHEDULE

EQUIP TAG	MFR	MODEL	STORAGE CAP. [GAL]	FIRST HOUR RATING [GAL]	MAX TEMP SETTING [F]	ELECTRICAL DATA		OPER. WT. [LBS]	MOUNTING DETAIL	CONTROL DIAGRAM	NOTES
						KW	VOLT/PH				
EWH-1	RHEEM	HPLD80-1RH	72	87	120	5.0	208/1	1030	1/P5.1	3/P5.1	1

NOTES:

1. PROVIDE WITH OUTLET DUCT ADAPTER KIT FOR DIV. 23 DUCT CONNECTION.

INSTANTANEOUS WATER HEATER SCHEDULE

EQUIP TAG	MFR	MODEL	TEMP RISE [F]	FLOW [GPM]	TEMP SETTING [F]	ELECTRICAL DATA		OPER WT [LBS]	MOUNTING DETAIL	NOTES
						VOLT/PH	WATTS			
IWH-1	CHRONOMITE	M-40/208	57	1	120	208/1	8320	10	4/P5.1	
IWH-2	CHRONOMITE	CM-20L/208	57	0.35	120	208/1	4160	10	4/P5.1	
IWH-3	CHRONOMITE	M-40/208	57	1	120	208/1	8320	10	4/P5.1	

MISC. PLUMBING EQUIPMENT SCHEDULE

UNIT	DESCRIPTION
ET 1	**DOMESTIC WATER EXPANSION TANK** "BELL & GOSSETT" PT-5 PRE-CHARGED DIAPHRAGM TYPE EXPANSION TANK, 2.3 GAL ACCEPTANCE VOLUME, 3/4" CW CONNECTION, SIZE: 10" DIA x 14" H. OPERATING WEIGHT = 52 LBS.
CP 1	**DOMESTIC WATER CIRCULATION PUMP** "BELL & GOSSETT" ECOCIRC 20-18 LEAD-FREE CIRCULATOR PUMP. 0.62 GPM AT 5.8' HEAD, 115V-1PH, 0-70 WATTS. 3/4" INLET AND OUTLET CONNECTIONS. U.L. LISTED. SEE CONTROL DETAIL 3/P5.1.

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY

Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

capital engineering

RANCHO CORDOVA, CALIFORNIA

JD - HC/AL
PM - DESIGN TEAM

230712.00
PROJECT NO.

REGISTERED PROFESSIONAL ENGINEER
KEVIN D. SCHMIDT
No. M 33[illegible]
Exp. [illegible]/26
MECHANICAL
STATE OF CALIFORNIA

NOT FOR CONSTRUCTION

DATE SIGNED: _____

08.23.24	BID SET

PLUMBING SCHEDULES

P0.2

8/24/2024 11:05:55 PM Copyright WMB, Inc.

PLUMBING FIXTURE CONNECTION SCHEDULE

ADA	SYMBOL	FIXTURE	FIXTURE MANUFACTURER AND MODEL No.	FAUCET OR VALVE MANUFACTURER AND MODEL No.	TRIM MANUFACTURER AND MODEL No.	REMARKS	VENT	WASTE		COLD WATER		HOT WATER	
								BRANCH	OUTLET	BRANCH	OUTLET	BRANCH	OUTLET
♿	WC-1	WATER CLOSET FLOOR MOUNTED FLUSH VALVE ADA	"AMERICAN STANDARD" MADERA NO 3461.001, 1.28 GPF, FLOOR MOUNTED, VITREOUS CHINA, ELONGATED, SIPHON JET ACTION, 1-1/2" TOP SPUD, 16-1/2" RIM HEIGHT.	"SLOAN" ECOS 8111, ADA COMPLIANT, BATTERY POWERED SENSOR FLUSH, 1.28 GPF	SEAT: "CHURCH" MODEL 295SSCT OR "BEMIS" MODEL 1955SSCT. PROVIDE WITH SELF-SUSTAINING CONCEALED CHECK HINGES, ONE PIECE STEEL POST HINGES, WHITE COLOR.	MOUNT AT HEIGHT INDICATED ON ARCHITECTURAL DRAWINGS. WHERE USED FOR CBC ACCESSIBLE WATER CLOSETS, THE FLUSH VALVE HANDLE SHALL BE MOUNTED ON THE WIDE SIDE OF THE WATER CLOSET ENCLOSURE.	2"	4"	4"	1-1/4"	1"	-	-
	WC-2	WATER CLOSET FLOOR MOUNTED FLUSH VALVE	"AMERICAN STANDARD" MADERA NO 3461.001, 1.28 GPF, FLOOR MOUNTED, VITREOUS CHINA, ELONGATED, SIPHON JET ACTION, 1-1/2" TOP SPUD, 16-1/2" RIM HEIGHT.	"SLOAN" ROYAL 111, ADA COMPLIANT, MANUAL FLUSH, 1.28 GPF	SEAT: "CHURCH" MODEL 295SSCT OR "BEMIS" MODEL 1955SSCT. PROVIDE WITH SELF-SUSTAINING CONCEALED CHECK HINGES, ONE PIECE STEEL POST HINGES, WHITE COLOR.	MOUNT AT HEIGHT INDICATED ON ARCHITECTURAL DRAWINGS. WHERE USED FOR CBC ACCESSIBLE WATER CLOSETS, THE FLUSH VALVE HANDLE SHALL BE MOUNTED ON THE WIDE SIDE OF THE WATER CLOSET ENCLOSURE.	2"	4"	4"	1-1/4"	1"	-	-
♿	UR	URINAL WALL MOUNTED FLUSH VALVE ADA	"AMERICAN STANDARD" PINTBROOK NO. 6002.001, 0.125 GPF, WALL HUNG, VITREOUS CHINA, SIPHON JET ACTION. 3/4" TOP SPUD, 2" THREADED OUTLET.	"SLOAN" ECOS 8186, ADA COMPLIANT, BATTERY POWERED SENSOR FLUSH, 0.125 GPF.	CARRIER: "J.R. SMITH" 637 SERIES OR "ZURN" Z1222	MOUNT AT HEIGHT INDICATED ON ARCHITECTURAL DRAWINGS. PROVIDE CLEANOUT FOR EACH FIXTURE.	1-1/2"	2"	2"	1"	3/4"	-	-
♿	L-1	LAVATORY WALL MOUNTED ADA	"SLOAN" ELRF-83000, WALL HUNG, 3-STATION ROUND FRONT SINK, SLOANSTONE SOLID SURFACE. 24" x 90" x 5" DEPTH. PROVIDE SINGLE HOLE, REAR DRAIN. PROVIDE WITH STAINLESS STEEL SHROUD.	"SLOAN" OPTIMA EAF-150-BAT-ISM-CP-0.35GPM-MLM-FCT, (3) FAUCETS PER LAVATORY. SINGLE HOLE DECK MOUNT BATTERY POWERED TOUCHLESS MIXING FAUCET. INTEGRATED SIDE MIXER, MULTI-LAMINAR FLOW, WITH CHROME FINISH. SET FOR HOT WATER OUTLET AT 105°F, 0.35 GPM. ADA COMPLIANT.	ADA COMPLIANT. LAVATORY GRID DRAIN WITH 1-1/4" OFFSET TAILPIECE, CHROME FINISH. MOUNT P-TRAP FLUSH TO WALL, AND PROVIDE INSULATED DRAIN PIPING. CARRIER: "J.R. SMITH" 0700 OR "ZURN" Z1231	MOUNT AT HEIGHT INDICATED ON ARCHITECTURAL DRAWINGS. PROVIDE CONCEALED ARMS AND FLOOR SUPPORT, WITH FEET OF SUPPORT SECURELY ANCHORED TO FLOOR. IN ADDITION ANCHOR TOP OF SUPPORT TO WALL CONSTRUCTION.	1-1/2"	2"	1-1/2"	3/4"	1/2"	3/4"	1/2"
♿	L-2	LAVATORY COUNTER MOUNTED ADA	"KOHLER" PENNINGTON NO. K-2196, COUNTER MOUNTED, VITREOUS CHINA, FRONT OVERFLOW, 4" CENTERS, 20-1/4" x 17-1/2" WITH FITTING LEDGE, SELF-RIMMING STYLE.	"SLOAN" OPTIMA EBF-650-BAT-BDT-CP-0.35GPM-MLM-FCT. 4" DECK MOUNT BATTERY POWERED TOUCHLESS MIXING FAUCET. BELOW DECK THERMOSTATIC MIXING VALVE, MULTI-LAMINAR FLOW, WITH CHROME FINISH. SET FOR HOT WATER OUTLET AT 105°F, 0.35 GPM. ADA COMPLIANT.	ADA COMPLIANT. LAVATORY GRID DRAIN WITH 1-1/4" OFFSET TAILPIECE, CHROME FINISH. MOUNT P-TRAP FLUSH TO WALL, AND PROVIDE INSULATED DRAIN PIPING.	COUNTER MOUNTED.	1-1/2"	2"	1-1/2"	3/4"	1/2"	3/4"	1/2"
♿	L-3	LAVATORY WALL MOUNTED ADA	"AMERICAN STANDARD" LUCERNE NO. 0355.012, WALL HUNG, VITREOUS CHINA WITH CONTOURED BACK AND SIDE SPLASH SHIELDS, FRONT OVERFLOW, CONCEALED ARM RECESS, 4" CENTERS, 20" x 18" D-SHAPED BOWL.	"SLOAN" OPTIMA EBF-650-BAT-BDT-CP-0.35GPM-MLM-FCT. 4" DECK MOUNT BATTERY POWERED TOUCHLESS MIXING FAUCET. BELOW DECK THERMOSTATIC MIXING VALVE, MULTI-LAMINAR FLOW, WITH CHROME FINISH. SET FOR HOT WATER OUTLET AT 105°F, 0.35 GPM. ADA COMPLIANT.	ADA COMPLIANT. LAVATORY GRID DRAIN WITH 1-1/4" OFFSET TAILPIECE, CHROME FINISH. MOUNT P-TRAP FLUSH TO WALL, AND PROVIDE INSULATED DRAIN PIPING.	COUNTER MOUNTED.	1-1/2"	2"	1-1/2"	3/4"	1/2"	3/4"	1/2"
♿	L-4	LAVATORY WALL MOUNTED ADA	"SLOAN" ELRF-81000, WALL HUNG, SINGLE STATION ROUND FRONT SINK, SLOANSTONE SOLID SURFACE. 24" x 30" x 5" DEPTH. PROVIDE SINGLE HOLE, REAR DRAIN. PROVIDE WITH STAINLESS STEEL SHROUD.	"SLOAN" OPTIMA EAF-150-BAT-ISM-CP-0.35GPM-MLM-FCT. SINGLE HOLE DECK MOUNT BATTERY POWERED TOUCHLESS MIXING FAUCET. INTEGRATED SIDE MIXER, MULTI-LAMINAR FLOW, WITH CHROME FINISH. SET FOR HOT WATER OUTLET AT 105°F, 0.35 GPM. ADA COMPLIANT.	ADA COMPLIANT. LAVATORY GRID DRAIN WITH 1-1/4" OFFSET TAILPIECE, CHROME FINISH. MOUNT P-TRAP FLUSH TO WALL, AND PROVIDE INSULATED DRAIN PIPING. CARRIER: "J.R. SMITH" 0700 OR "ZURN" Z1231	MOUNT AT HEIGHT INDICATED ON ARCHITECTURAL DRAWINGS. PROVIDE CONCEALED ARMS AND FLOOR SUPPORT, WITH FEET OF SUPPORT SECURELY ANCHORED TO FLOOR. IN ADDITION ANCHOR TOP OF SUPPORT TO WALL CONSTRUCTION.	1-1/2"	2"	1-1/2"	3/4"	1/2"	3/4"	1/2"
♿	S	SINK COUNTER MOUNTED ADA	"ELKAY" MODEL LRADQ1720-65-BP, 20" FRONT TO BACK, 17" WIDE x 6-1/2" DEPTH OVERALL. 18 GAUGE STAINLESS STEEL, LEDGE BACK WITH SELF-RIM. PROVIDE SINGLE HOLE. PROVIDE REAR DRAIN LOCATION. PROVIDE FACTORY ADHERED VANDAL RESISTANT BACKING PLATE AT FAUCET, AND SLOT AT FAUCET FOR VANDAL RESISTANT PINS.	"CHICAGO" ECAST 50-E35-317ABCP FAUCET, 1.5 GPM, 4" WRISTBLADE HANDLE, GN2A 5-1/4" RIGID/SWING GOOSENECK SPOUT, POLISHED CHROME FINISH, CERAMIC MIXING CARTRIDGE, VOLUME CONTROL, INTEGRAL WATER-HAMMER ARRESTOR, 3/8" COPPY SUPPLY TUBE INLETS.	"ELKAY" MODEL LKAD35, OFFSET CRUMB CUP STRAINER WITH REMOVABLE BASKET AND P-TRAP. INSTALL P-TRAP FLUSH TO WALL.	PROVIDE CLEANOUT FOR EACH FIXTURE.	1-1/2"	2"	1-1/2"	3/4"	1/2"	3/4"	1/2"
	SS	SERVICE SINK FLOOR MOUNTED	"FLORESTONE" MODEL 87, 24" x 24" x 12" DEEP, FLOOR MOUNTED, TERRAZZO, WITH STAINLESS CAP.	"CHICAGO" MODEL 540-LD-897-WXF FAUCET 8" O.C. WITH LEVER HANDLES, CHROME FINISH, VACUUM BREAKER, TOP BRACE, PAIL HOOK AND 3/4" HOSE THREAD OUTLET AND CAST IRON TRAP.	"FIAT" MODEL 1453-BB STRAINER, PROVIDE SUITABLE BLOCKING FOR TOP BRACE AS PART OF ROUGH-IN FOR FAUCET WITH P-TRAP.	PROVIDE "FIAT" MODEL 832-AA HOSE & BRACKET AND "FIAT" MODEL 889-CC MOP RACK.	2"	3"	3"	3/4"	3/4"	3/4"	3/4"
♿	DF	DRINKING FOUNTAIN WALL MOUNTED DUAL HEIGHT ADA	"HAWS" MODEL 1212SF, WALL MOUNT, ADA BI-LEVEL, FILTERED WATER COOLER WITH BOTTLE FILLER, REFRIGERATED. 304 STAINLESS STEEL.		WITH P-TRAP	115V, 60HZ, 5 FLA, 350 WATTS. PROVIDE BACKING FOR MOUNTING.	1-1/2"	2"	2"	3/4"	1/2"	-	-
	HB-1	HOSE BIBB	"WOODFORD" B24 WALL MOUNTED BRASS CONCEALED BOX TYPE WITH LOCKABLE COVER.				-	-	-	3/4"	3/4"	-	-
	HB-2	HOSE BIBB	"WOODFORD" MODEL 27, EXTERIOR WALL MOUNT, NON-FREEZE.		WITH INTEGRAL VACUUM BREAKER	PROVIDE RECESSED 16 GA. STAINLESS STEEL HINGED BOX WITH FULL 180° HINGED LOCKING COVER.	-	-	-	3/4"	3/4"	-	-
	HB-3	HOSE BIBB	"WOODFORD" MODEL RHMC-MS, ROOF MOUNT, NON-FREEZE.				-	-	-	3/4"	3/4"	-	-
	RIM	REFRIGERATOR ICE MAKER BOX	"GUY GRAY" MODEL SSIB2AB LEAD FREE ICE MAKER HOOK-UP, WITH 1/2" FIP INLET AND 1/4" COMPRESSION OUTLET.				-	-	-	1/2"	1/4"	-	-
	FD	FLOOR DRAIN	"ZURN" MODEL Z-415	TYPE "B" STRAINER FOR EXPOSED CONCRETE TYPE "S" STRAINER FOR TILE FLOOR TYPE "SL STRAINER FOR COMPOSITION FLOOR	PROVIDE FLASHING RING AND CLAMP AT FLOORS WITH WATER RESISTANT MEMBRANE. SET TOP OF DRAIN SLIGHTLY BELOW FLOOR TO INSURE DRAINAGE. INSTALL VENTED P-TRAP. WHERE TRAP PRIMERS ARE INDICATED PROVIDE PROPER CONNECTION TO P-TRAP.		2"	2" 3" 4"	2" 3" 4"	-	-	-	
	FS	FLOOR SINK	"ZURN" MODEL Z-1751 FOR GENERAL SPACES "ZURN" MODEL Z-1901-KC-2 FOR MECHANICAL SPACES		PROVIDE ANCHOR FLANGE, SEEPAGE PAN AND CLAMPING COLLAR. PROVIDE WHITE A.R.E. SEDIMENT BUCKET. PROVIDE 1/2 GRATE.	INSTALL FS FLUSH WITH FLOOR	2"	2" 3" 4"	2" 3" 4"	-	-	-	-
	HUD	HUB DRAIN	"ZURN" MODEL Z-1870, TYPE 304 STAINLESS STEEL			USED TO DRAIN FROM THE FIRE SPRINKLER RISER DURING TESTING, SEE DETAIL 1/P5.2 FOR INSTALLATION.	3"	4"	4"	-	-	-	-
	TP-1	TRAP PRIMER	"PPP" PRIME-RITE TRAP PRIMER VALVE, MODEL FVP-1VB FOR FLUSH VALVES	PROVIDE WITH VACUUM BREAKER.		INSTALL PER MANUFACTURERS INSTRUCTIONS. PROVIDE DISTRIBUTION UNIT WITH FEEDER PIPING FOR A MAX. OF FOUR TRAPS WHEN NEEDED. PROVIDE SURFACE MOUNT BOX IN CHASES & MECHANICAL ROOMS. PROVIDE RECESSED BOX WITH ACCESS DOOR ALL OTHER LOCATIONS.	-	-	-	1/2"	1/2"	-	-
	TP-2	ELECTRONIC TRAP PRIMER	"PPP" PRIME-RITE TRAP PRIMER VALVE, MODEL MP-500	PROVIDE BALL VALVE AT EACH TP LOCATION. PROVIDE 115V CONNECTION.		INSTALL PER MANUFACTURERS INSTRUCTIONS. PROVIDE DISTRIBUTION UNIT WITH FEEDER PIPING FOR A MAX. OF FOUR TRAPS WHEN NEEDED. PROVIDE SURFACE MOUNT BOX IN CHASES & MECHANICAL ROOMS. PROVIDE RECESSED BOX WITH ACCESS DOOR ALL OTHER LOCATIONS.	-	-	-	1/2"	1/2"	-	-

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY

Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

capital engineering

RANCHO CORDOVA, CALIFORNIA

JD - HC/AL — PM - DESIGN TEAM
230712.00 — PROJECT NO.

STEVEN D. ALLEN — No. 29278 — REGISTERED PROFESSIONAL ENGINEER — MECHANICAL — STATE OF CALIFORNIA

NOT FOR CONSTRUCTION

DATE SIGNED: _____

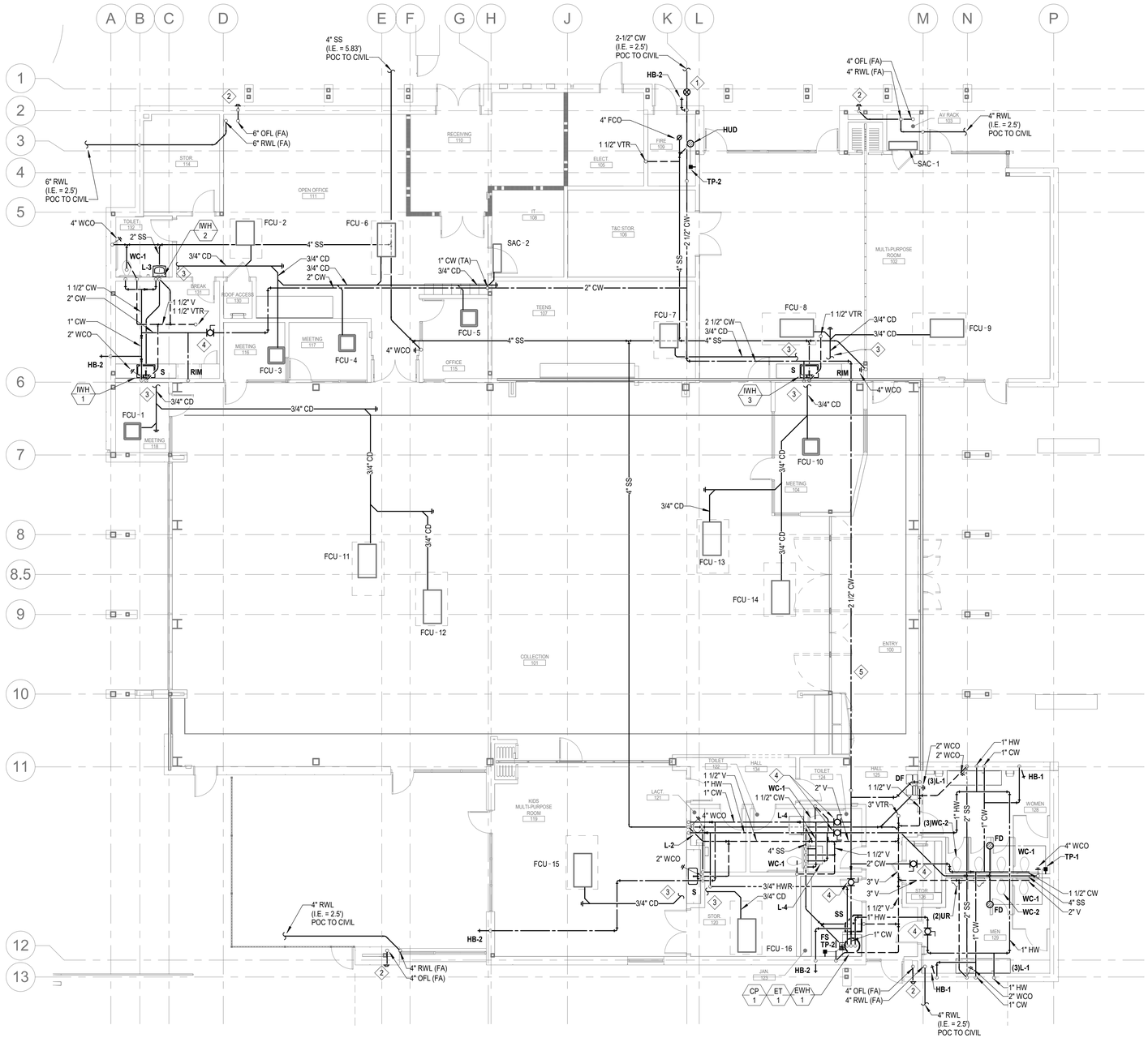
08.23.24	BID SET

PLUMBING FIXTURE SCHEDULE

P0.3

[redacted]

8/24/2024 11:05:56 PM Copyright WMB, Inc.



1 / P2.1 PLUMBING FLOOR PLAN

SCALE: 1/8" = 1'-0"

SHEET NOTES

1. FOR PIPE SIZES TO INDIVIDUAL FIXTURES, SEE PLUMBING FIXTURE CONNETION SCHEDULE ON SHEET P0.2.
2. PROVIDE CLEANOUT AT EACH SINK AND URINAL, SEE SPECIFICATION SECTION 22 10 00.

KEY NOTES

1. DOMESTIC WATER BUILDING SHUT-OFF VALVE, IN VALVE BOX.
2. SPILL OVERFLOW RAINWATER LEADER 1'-6" ABOVE FINISHED GRADE WITH DOWNSPOUT NOZZLE. SEE DETAIL 8/P5.1.
3. ROUTE CONDENSATE PIPE TO SINK/LAV TAILPIECE.
4. LINE SIZE SHUT-OFF VALVE FOR BRANCH ISOLATION.
5. ROUTE COLD WATER PIPING IN HORIZONTAL SOFFIT ABOVE COLLECTION ENTRY DOORS.

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY

Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

capital engineering
RANCHO CORDOVA, CALIFORNIA

JD - HC/AL
PM - DESIGN TEAM

230712.00
PROJECT NO.

REGISTERED PROFESSIONAL ENGINEER
KEVIN D. SCHAEFER
MECHANICAL
STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

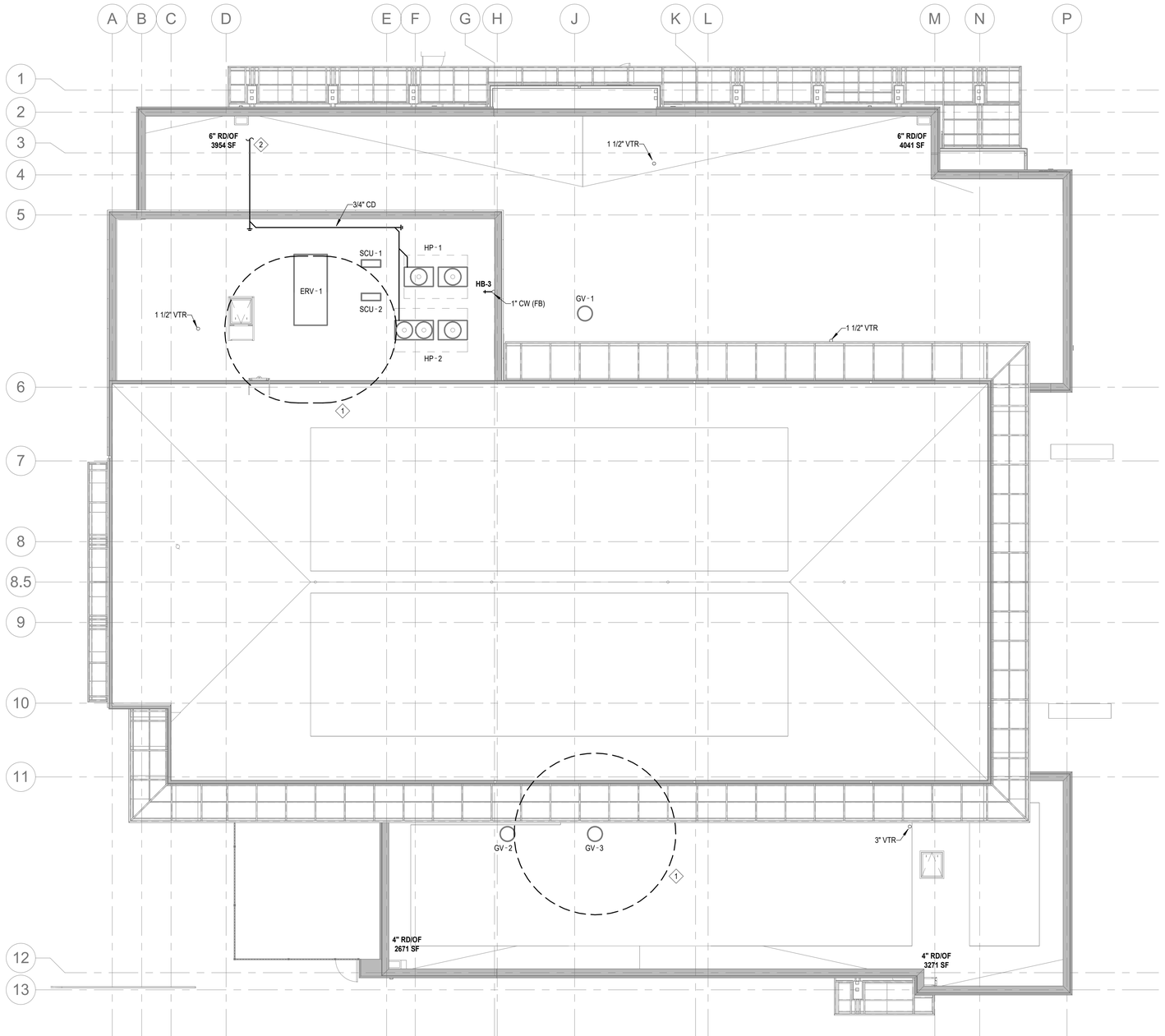
DATE SIGNED:

08.23.24	BID SET

PLUMBING FLOOR PLAN

P2.1

8/24/2024 11:05:57 PM Copyright WMB, Inc.



1 P2.2 PLUMBING ROOF PLAN

SCALE: 1/8" = 1'-0"

SHEET NOTES

1. FOR PIPE SIZES TO INDIVIDUAL FIXTURES, SEE PLUMBING FIXTURE CONNETION SCHEDULE ON SHEET P0.2.

KEY NOTES

1. MAINTAIN MINIMUM 10' CLEARANCE BETWEEN OUTSIDE AIR INTAKE AND ALL EXHAUST AIR DISCHARGES AND VENT PIPING THROUGH ROOF (VTRs).
2. ROUTE CONDENSATE PIPE FROM HP CURB PER DETAIL 1/M5.3 TO ROOF DRAIN.

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY

Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

capital engineering

RANCHO CORDOVA, CALIFORNIA

JD - HC/AL
PM - DESIGN TEAM

230712.00
PROJECT NO.

REGISTERED PROFESSIONAL ENGINEER
KEVIN D. LEWIS
MECHANICAL
STATE OF CALIFORNIA

NOT FOR CONSTRUCTION

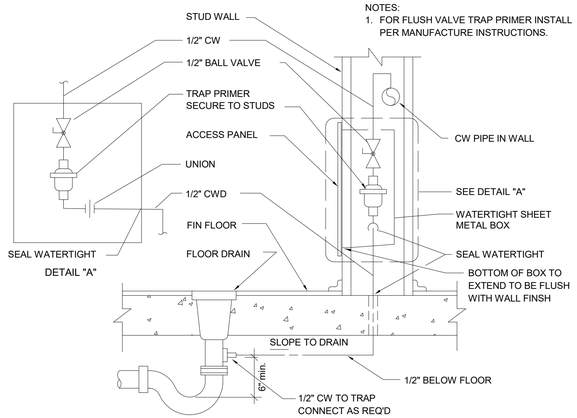
DATE SIGNED:

08.23.24	BID SET

PLUMBING ROOF PLAN

P2.2

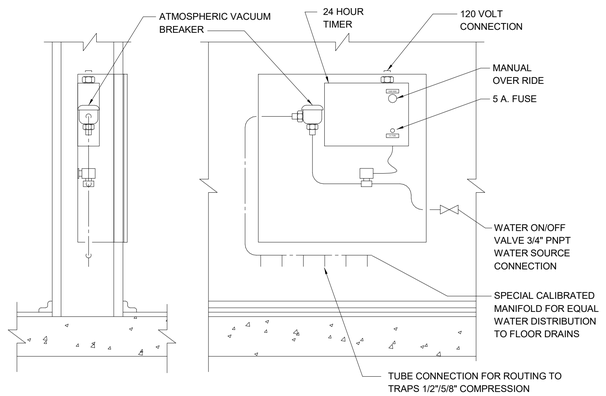
8/24/2024 11:05:57 PM Copyright WMB, Inc.



TRAP PRIMER TO FLOOR DRAIN

6 P5.1

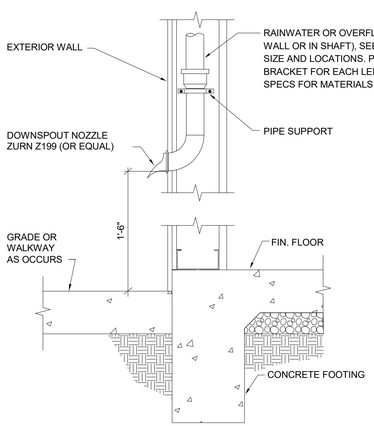
SCALE : NONE



ELECTRONIC TRAP PRIMER ASSEMBLY

7 P5.1

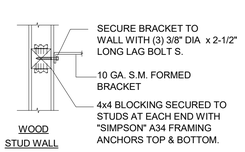
SCALE : NONE

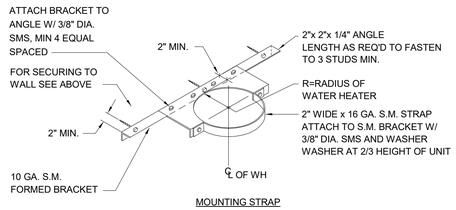


OFL DOWNSPOUT

8 P5.1

SCALE : NONE

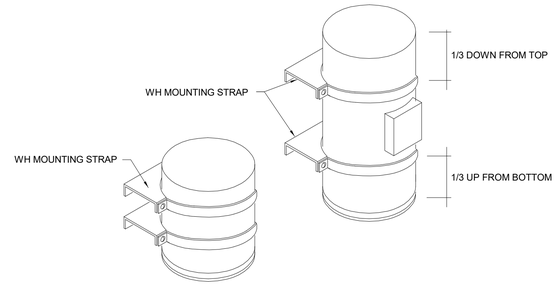


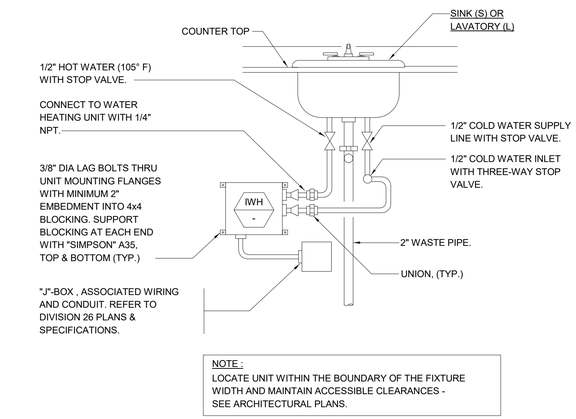


WATER HEATER MOUNTING - TANK

1 P5.1

SCALE : NONE

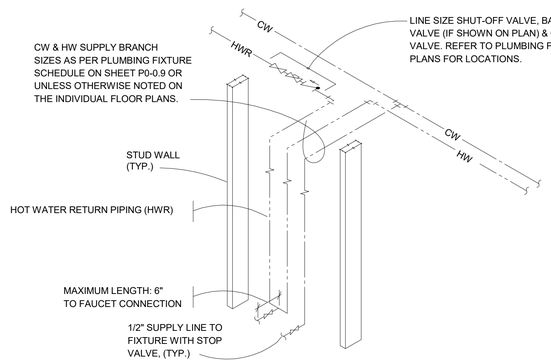




IWH MOUNTING

4 P5.1

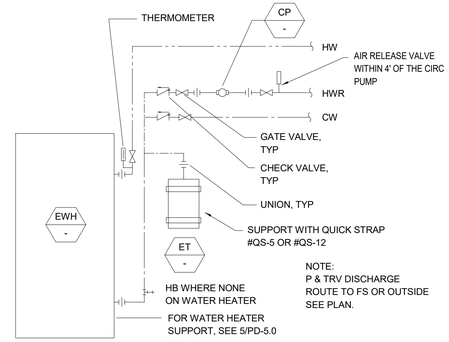
SCALE : NONE



HWR PIPING AT SINGLE FAUCET

5 P5.1

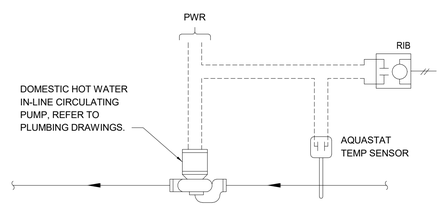
SCALE : NONE



WATER HEATER PIPING DIAGRAM

2 P5.1

SCALE : NONE



DHW CIRC PUMP CONTROL DIAGRAM

3 P5.1

SCALE : NONE

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY

Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

capital engineering
Rancho Cordova, California
JD - HC/AL PM - DESIGN TEAM
230712.00 PROJECT NO.

REGISTERED PROFESSIONAL ENGINEER KEVIN D. SCHMIDT MECHANICAL STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

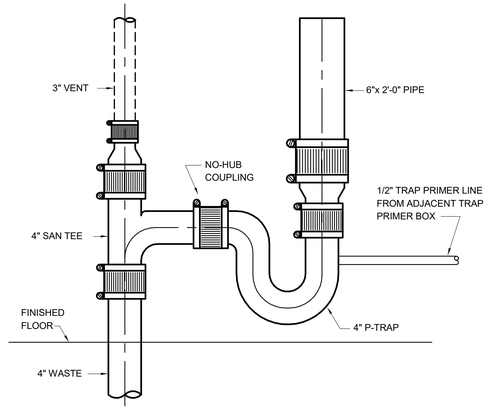
DATE SIGNED:

08.23.24	BID SET

PLUMBING DETAILS

P5.1

8/24/2024 11:05:57 PM Copyright WMB, Inc.



HUB DRAIN

1
P5.2

SCALE : NONE

WMB
ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY
LIBRARY

Walnut Park Library

2700 Lillard Dr.
Davis, CA 95618

WMB Project No. 19-022

capital
engineering

RANCHO CORDOVA, CALIFORNIA

JD - HC/AL
PM - DESIGN TEAM

230712.00
PROJECT NO.

REGISTERED PROFESSIONAL ENGINEER
KEVIN D. SCHMIDT
No. M 33
Exp. 06/30/26
MECHANICAL
STATE OF CALIFORNIA

NOT FOR CONSTRUCTION

DATE SIGNED: _____

08.23.24	BID SET

PLUMBING DETAILS

P5.2

8/24/2024 11:05:58 PM

Copyright WMB, Inc.

SYMBOLS LIST

SOME OF THESE SYMBOLS SHOWN MAY NOT BE USED ON THIS PROJECT

POWER DISTRIBUTION

- SWITCHGEAR, SWITCHBOARD, DISTRIBUTION BOARD, SUBSTATION OR MOTOR CONTROL CENTER, FLOOR MOUNTED ON CONCRETE HOUSEKEEPING PAD WHERE INDICATED ON DRAWINGS. DOUBLE LINE INDICATES FRONT FACE OF GEAR.
- DISTRIBUTION BOARD, SURFACE MOUNTED ON WALL.
- PANELBOARD, 120/208V, SURFACE MOUNTED ON WALL.
- PANELBOARD, 120/208V, FLUSH MOUNTED IN WALL.
- DRY-TYPE STEP-DOWN TRANSFORMER, FLOOR MOUNTED 480-120/208V 3Ø, UON. DOUBLE LINE INDICATES FRONT FACE OF TRANSFORMER.
- ELECTRIC MOTOR, NIEC. MAKE POWER CONNECTIONS ONLY AS NOTED ON PLANS.
- (F) EXHAUST FAN MOTOR, SINGLE PHASE, NIEC. MAKE POWER CONNECTIONS TO INCLUDE JUNCTION BOX MOUNTED, FRACTIONAL HORSEPOWER MANUAL MOTOR STARTER WITH INTEGRAL DISCONNECT ADJACENT TO FAN WITH 2 #12 CONDUCTORS PLUS GROUND IN 1/2" FLEXIBLE CONDUIT BETWEEN STARTER AND MOTOR.
- (V) INDOOR FAN POWERED VAV BOX MOTOR, SINGLE PHASE, NIEC. MAKE POWER CONNECTIONS TO INCLUDE JUNCTION BOX MOUNTED, FRACTIONAL HORSEPOWER MANUAL MOTOR STARTER WITH INTEGRAL DISCONNECT ADJACENT TO VAV BOX WITH 2 # 12 CONDUCTORS PLUS GROUND IN 1/2" FLEXIBLE CONDUIT BETWEEN STARTER AND MOTOR.
- (D)2 MOTOR OPERATED FIRE/SMOKE DAMPER 'FSD', NIEC. SYMBOL DENOTES INTERFACE FOR POWER CONNECTIONS WITH LOCAL DISCONNECT MEANS. ADJACENT NUMBER INDICATES QUANTITY OF ACTUATORS PER FSD, EACH REQUIRING A POWER CONNECTION, IF MORE THAN 1. FOR FIRE ALARM REQUIREMENTS AT FSD, REFER TO FIRE ALARM SYMBOLS.
- PULLBOX OR HANDHOLE, SIZE AND TYPE AS NOTED ON PLANS.
- P / A…AF SAFETY DISCONNECT SWITCH, 3 POLE, UON. ADJACENT NUMBER INDICATES FUSE SIZE WHEN APPLICABLE. LABELING CONVENTION AS FOLLOWS:

A: 30A, NON-FUSED	AF: 30A, FUSED
B: 60A, NON-FUSED	BF: 60A, FUSED
C: 100A, NON-FUSED	CF: 100A, FUSED
D: 200A, NON-FUSED	DF: 200A, FUSED

- VFD / VFD VARIABLE FREQUENCY DRIVE FURNISHED UNDER ANOTHER DIVISION. INSTALL VFD AND PROVIDE POWER SERVICE CONNECTION UNDER THIS DIVISION. "HANDLE" DENOTES INTEGRAL DISCONNECT.
- DRIVEN GROUND ROD.
- ELECTRICAL VEHICLE CHARGING STATION, PEDESTAL MOUNTED.
- CABLE TO BUS TERMINATION LUGS.
- GROUP MOUNTED MOLDED CASE CIRCUIT BREAKER.
- (M) UTILITY METER, MOUNTED IN UTILITY METER SECTION OF SWITCHGEAR OR SWITCHBOARDS.
- CONNECTION TO GROUND.
- CURRENT TRANSFORMERS.
- POTENTIAL TRANSFORMERS.
- AUTOMATIC OR MANUAL TRANSFER SWITCH.
- BATTERIES.
- NEUTRAL SERVICE DISCONNECT LINK.
- SPD SURGE PROTECTION DEVICE, 'SPD'.
- DMU DIGITAL METERING UNIT.
- GND GROUND BUS AS SHOWN ON SINGLE LINE DIAGRAMS.
- GROUND BUS AS SHOWN ON PLAN VIEWS.
- NEU NEUTRAL BUS.
- CONCRETE VAULT, IN-GRADE, FOR EXTERIOR APPLICATIONS. SIZE AND TYPE AS NOTED ON THE PLANS.

LINE VOLTAGE LIGHTING CONTROL

- S SINGLE-POLE, SINGLE-THROW SWITCH, WALL MOUNTED, +42" UON.
- S^{P} SINGLE-POLE, SINGLE-THROW SWITCH, WITH PILOT LIGHT, WALL MOUNTED, +42" UON.
- S^{D} WALLBOX DIMMER SWITCH, +42" UON. SIZED PER CONNECTED LOAD ON PLANS AND FURNISHED FOR LAMP SOURCE SERVED. PROVIDED FOR DERATING WHEN INSTALLED GANGED LOCATIONS.
- S^{M1} SINGLE LEVEL OCCUPANCY SENSOR SWITCH, WALL MOUNTED, +42" UON.
- S^{DM} COMBINATION OCCUPANCY SENSOR AND DIMMER SWITCH, WALL MOUNTED, +42" UON.

DIGITAL LIGHTING CONTROLS

- D SINGLE ZONE DIMMER SWITCH WITH ON/OFF/DIM CAPABILITIES, WALL MOUNTED, +42" UON.
- S SINGLE ZONE SWITCH WITH ON/OFF CAPABILITIES, WALL MOUNTED, +42" UON.
- SC SCENE OR MULTI-ZONE CONTROLLER WITH ON/OFF/DIM CAPABILITIES ZONE, WALL MOUNTED, +42" UON.
- M LIGHTING CONTROL OCCUPANCY SENSOR WITH DIMMING, WALL MOUNTED, +42" UON.
- M1 LIGHTING CONTROL OCCUPANCY SENSOR WITH SINGLE LEVEL SWITCHING, WALL MOUNTED, +42" UON.
- DS DAYLIGHT HARVESTING SENSOR, CEILING MOUNTED.
- M OCCUPANCY SENSOR, CEILING MOUNTED FOR AREA COVERAGE.
- PLC PLUG LOAD CONTROLLER, UL LISTED FOR CONTROLLING RECEPTACLES, 20A RATED.
- RMD / RMS REMOTE DIMMING OR SWITCHING MODULE, NUMBER OF RELAYS CONTROLLED AS INDICATED ON THE PLAN. MAY CONSIST OF ONE DEVICE WITH MULTIPLE RELAYS, OR MORE THAN ONE SINGLE-RELAY DEVICE. DEVICE SHALL BE LOCATED CONCEALED IN AN EASILY ACCESSIBLE SPACE.
- HVAC HVAC INTERFACE DEVICE; ROOM HVAC TO SHUT DOWN WHEN ROOM IS VACANT.
- NET NETWORK INTERFACE, QUANTITY OF COMPONENTS, OR INTEGRATION OF THIS FEATURE INTO OTHER DEVICES, MAY VARY BY MANUFACTURER.
- LCP LIGHTING CONTROL PANEL.

WIRING DEVICES

- JUNCTION BOX, WALL MOUNTED, +18" UON.
- JUNCTION BOX, MOUNTED IN FLUSH FLOOR BOX.
- J JUNCTION BOX, MOUNTED FLUSH IN CEILING.
- JUNCTION BOX, SURFACE OR PENDANT MOUNTED TO BOTTOM OF STRUCTURE IN ACCESSIBLE CEILING SPACE OR EXPOSED IN OPEN CEILING AREAS.
- DUPLEX CONVENIENCE RECEPTACLE DEVICE, WALL MOUNTED, +18" UON. LETTERING ADJACENT TO THE DEVICE ON THE PLANS INDICATE THE FOLLOWING FOR THOSE RECEPTACLES.
  - A: ARC FAULT CURRENT INTERRUPTER (AFCI)
  - G: GROUND FAULT CURRENT INTERRUPTER (GFCI)
  - IG: ISOLATED GROUND
  - TR: TAMPER RESISTANT
  - U: INTEGRAL USB PORTS
  - WP: WEATHER-RESISTANT, GROUND FAULT CURRENT INTERRUPTER (GFCI) WITH LOCKABLE WEATHERPROOF "IN USE" COVER
- DOUBLE DUPLEX CONVENIENCE RECEPTACLE DEVICE, WALL MOUNTED, +18" UON.
- DUPLEX CONVENIENCE RECEPTACLE DEVICE, WALL MOUNTED OVER COUNTER, 6" ABOVE BACK SPLASH UON, BUT NO HIGHER THAN ADA REQUIREMENTS.
- DUPLEX CONVENIENCE RECEPTACLE DEVICE, SPLIT-WIRED, WALL MOUNTED, +18" UON.
- DUPLEX, OR DOUBLE DUPLEX, CONVENIENCE RECEPTACLE DEVICE, CONTROLLED PER T24, WALL MOUNTED, +18" UON.
- SPECIALTY OUTLET DEVICE, NEMA CONFIGURATION TYPE AS NOTED ON PLANS, WALL MOUNTED, +18" UON.
- DUPLEX CONVENIENCE RECEPTACLE DEVICE, MOUNTED IN FLUSH FLOOR BOX.
- DOUBLE DUPLEX CONVENIENCE RECEPTACLE DEVICE, MOUNTED IN FLUSH FLOOR BOX.
- COMBINATION POWER/TELECOMMUNICATION DEVICE, MOUNTED IN FLUSH FLOOR BOX. TYPE AS NOTED ON PLANS OR IN SPECIFICATIONS.
- DUPLEX CONVENIENCE RECEPTACLE DEVICE, MOUNTED FLUSH IN CEILING.
- DOUBLE DUPLEX CONVENIENCE RECEPTACLE DEVICE, MOUNTED FLUSH IN CEILING.
- ELECTRIFIED FURNITURE PARTITION POWER FEED, WALL MOUNTED, +18" UON. CONSISTS OF 4 11/16" SQ. X 2 1/8" DEEP JUNCTION BOX, SINGLE GANG RING, AND STAINLESS STEEL COVER PLATE WITH KO TO ACCEPT FURNITURE WHIP.
- CONTROL STATION, WALL MOUNTED, +42" UON.

RACEWAYS

- CONDUIT RUN EXPOSED ON WALL OR CEILING.
- CONDUIT RUN CONCEALED IN SLAB, UNDER SLAB OR UNDERGROUND.
- CONDUIT RUN CONCEALED IN WALL OR ABOVE CEILING.
- CONDUIT HOMERUN, CONTINUOUS RUN TO PANEL OR EQUIPMENT CABINET. HOMERUN CAN OCCUR ON ANY OF THE ABOVE ROUTING CONDITIONS.
- CONDUIT TURNED UP, CAN OCCUR ON ANY OF THE ABOVE ROUTING CONDITIONS.
- CONDUIT TURNED DOWN, CAN OCCUR ON ANY OF THE ABOVE ROUTING CONDITIONS.
- CONDUIT CAPPED OR STUBBED WITH INSULATED BUSHINGS, CAN OCCUR ON ANY OF THE ABOVE ROUTING CONDITIONS.
- CONDUIT SLEEVE, WITH INSULATING BUSHINGS.
- FLEXIBLE METALLIC CONDUIT, EQUIPMENT CONNECTION.
- CROSSMARKS ON BRANCH CIRCUIT CONDUIT RUNS INDICATE THE QUANTITY OF CONDUCTORS AS FOLLOWS (GROUND CONDUCTORS ARE NOT NOTED, BUT SHOULD BE INCLUDED IN EVERY CONDUIT WITH POWER CONDUCTORS):
  1. NO CROSSMARKS INDICATES TWO #12 AWG CONDUCTORS, UON.
  2. THREE TO SIX CROSSMARKS INDICATES THE QUANTITY OF #12 AWG CONDUCTORS, UON.
  3. SEVEN OR MORE CROSSMARKS INDICATES THE QUANTITY OF #10 AWG CONDUCTORS, UON.
- CABLE TRAYS/RUNWAYS, REFER TO PLANS AND/OR SPECS FOR SIZE AND MOUNTING.

LIGHTING

- LUMINAIRE, RECESSED IN CEILING.
- LUMINAIRE, SURFACE MOUNTED.
- SUSPENDED LINEAR LUMINAIRE. SUSPENSION POINTS ARE GRAPHIC ONLY AND DO NOT REPRESENT ACTUAL LOCATION OR QUANTITY.
- LUMINAIRE, WALL MOUNTED.
- STRIP LUMINAIRE, SURFACE OR PENDANT MOUNTED.
- STRIP LUMINAIRE, SURFACE MOUNTED IN ARCHITECTURAL CEILING COVE.
- STRIP LUMINAIRE, SURFACE MOUNTED VERTICALLY ON WALL OR IN COVE.
- ROUND DOWNLIGHT LUMINAIRE, RECESSED IN CEILING.
- SQUARE DOWNLIGHT LUMINAIRE, RECESSED IN CEILING.
- DOWNLIGHT/INDUSTRIAL LUMINAIRE, SURFACE OR PENDANT MOUNTED.
- DIRECTIONAL LUMINAIRE, RECESSED IN CEILING.
- DIRECTIONAL LUMINAIRE, SURFACE OR PENDANT MOUNTED.
- SCONCE LUMINAIRE, WALL MOUNTED.
- DECORATIVE LUMINAIRE, PENDANT MOUNTED.
- EXIT SIGN LUMINAIRE, CEILING OR WALL MOUNTED WITH DIRECTIONAL ARROWS AS NOTED ON PLANS. WORD 'EXIT' TO BE LOCATED IN SHADED FACE(S).
- HALF SHADING OF ANY LUMINAIRE INDICATES EMERGENCY/EGRESS LIGHTING.
- SINGLE-HEAD AREA LUMINAIRE WITH BRACKET ARM AND POLE, MOUNTED TO CONCRETE BASE.
- SINGLE-HEAD AREA POST-TOP LUMINAIRE WITH POLE, MOUNTED TO CONCRETE BASE.
- AREA LUMINAIRE, SURFACE OR RECESSED MOUNTED TO WALL.
- LUMINAIRE BOLLARD, MOUNTED TO CONCRETE BASE.
- GROUNDWELL LUMINAIRE MOUNTED FLUSH IN FINISHED GRADE.
- LINEAR SIGN-LIGHT LUMINAIRE, STANCHION MOUNTED ABOVE GRADE.
- STEPLIGHT LUMINAIRE, WALL MOUNTED.

TELECOMMUNICATIONS

- TELECOMMUNICATION DEVICE, WALL MOUNTED, +18" UON.
- TELECOMMUNICATION DEVICE, WALL MOUNTED, 6" ABOVE BACK SPLASH UON, BUT NO HIGHER THAN ADA REQUIREMENTS.
- W TELEPHONE DEVICE, WALL MOUNTED, +42" UON.
- TELECOMMUNICATION DEVICE, MOUNTED IN FLUSH FLOOR BOX.
- TELECOMMUNICATION DEVICE, CEILING MOUNTED.
- COMBINATION POWER/TELECOMMUNICATION DEVICES, MOUNTED IN FLUSH FLOOR BOX. TYPE AS NOTED ON PLANS OR IN SPECIFICATIONS.
- ELECTRIFIED FURNITURE PARTITION TELECOMMUNICATION CABLE FEED, WALL MOUNTED, +18" UON. CONSISTS OF 4 11/16" SQ. X 2 1/8" DEEP JUNCTION BOX, SINGLE GANG RING, AND STAINLESS STEEL COVERPLATE WITH 1.25" KO AND GROMMET.
- ELECTRIFIED FURNITURE PARTITION COMBINATION POWER/TELECOMMUNICATION FEEDS, MOUNTED IN FLUSH FLOOR BOX WITH KO'S IN COVERS TO ACCEPT FURNITURE WHIPS. TELECOMMUNICATIONS WHIP SHALL BE 1.25" MINIMUM.
- WAP WIRELESS ACCESS POINT, WALL MOUNTED, 8" BELOW FINISHED CEILING, UON.
- WAP WIRELESS ACCESS POINT, CEILING MOUNTED.
- #D/#V QUANTITY OF DATA AND/OR VOICE TELECOMMUNICATIONS DEVICES.
- EM TELECOMMUNICATION DEVICE, FOR EMERGENCY PHONES, MOUNTED AS NOTED ON PLANS.

ELECTRICAL SHEET INDEX

SHEET NUMBER	SHEET NAME	2024.01.04 DESIGN DEVELOPMENT	2020.02.01 DESIGN DEVELOPMENT	2020.03.01 CONSTRUCTION DOCUMENTS	2024.06.03 100% CONSTRUCTION DOCUMENTS	2024.08.23 BID AND PERMIT SET
E0.1	ELECTRICAL SYMBOLS & SHEET INDEX	•			•	•
E0.2	ELECTRICAL SYMBOLS CONT. & ABBREVIATIONS	•			•	•
E0.3	TITLE 24 INDOOR LIGHTING FORMS	•			•	•
E0.4	TITLE 24 POWER FORMS	•			•	•
E0.5	TITLE 24 OUTDOOR LIGHTING FORMS	•			•	•
E0.6	PROJECT NOTES	•			•	•
E0.7	SCHEDULES	•			•	•
E0.8	PANEL SCHEDULES	•			•	•
E1.1	ELECTRICAL SITE PLAN	•			•	•
E1.2	ELECTRICAL SITE PLAN - BID ALTERNATE #2	•			•	•
E2.1	LIGHTING PLAN	•			•	•
E3.1	POWER & TELECOM PLAN	•			•	•
E3.2	ROOF ELECTRICAL PLAN	•			•	•
E4.1	SPECIAL SYSTEMS PLAN	•			•	•
E5.1	ENLARGED PLANS	•			•	•
E6.1	POWER ONE LINE AND RISER DIAGRAMS	•			•	•
E7.1	RISER DIAGRAMS	•			•	•
E9.1	ELECTRICAL DETAILS	•			•	•
E9.2	ELECTRICAL DETAILS CONT.	•			•	•

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

South Davis Library
2700 COWELL BLVD
DAVIS, CA 95616

WMB Project No. 19-022

The Engineering Enterprise
CONSULTING ENGINEERS
ALAMEDA | AUBURN | LOS ANGELES | NEOSHO
SAN DIEGO | SANTA BARBARA
https://www.engent.com

REGISTERED PROFESSIONAL ENGINEER
REGINALD WHEELER
No. 22622
ELECTRICAL
STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

08.23.2024 | BID SET

ELECTRICAL SYMBOLS & SHEET INDEX

E0.1

8/22/2024 4:15:56 PM

Copyright WMB, Inc.

SYMBOLS LIST

SOME OF THESE SYMBOLS SHOWN MAY NOT BE USED ON THIS PROJECT

FIRE ALARM

- SMOKE DETECTOR INITIATING DEVICE, CEILING MOUNTED IN FLUSH OR SURFACE JUNCTION BOX. "C" DENOTES MULTI-CRITERIA CARBON MONOXIDE AND SMOKE DETECTOR.
- SMOKE DETECTOR INITIATING DEVICE, WALL MOUNTED IN FLUSH JUNCTION BOX, MAXIMUM 6" BELOW CEILING.
- SMOKE DETECTOR INITIATING DEVICE, MOUNTED TO STRUCTURE ABOVE SUSPENDED CEILING IN SURFACE JUNCTION BOX OR SUSPENDED IN JUNCTION BOX.
- SMOKE DETECTOR INITIATING DEVICE, DUCT-MOUNTED TYPE WITH SAMPLING TUBE.
- SMOKE DETECTOR INITIATING DEVICE, IN-DUCT MOUNTED TYPE.
- PROJECTED BEAM SMOKE DETECTOR INITIATING DEVICES TO INCLUDE TRANSMITTER, RECEIVER AND REMOTE INDICATOR STATION, WALL MOUNTED IN FLUSH JUNCTION BOX BELOW BEAM DETECTOR AT +42" AFF. BEAM DETECTORS ARE EITHER CEILING OR WALL MOUNTED 6" BELOW CEILING.
- HEAT DETECTOR INITIATING DEVICE, CEILING MOUNTED IN FLUSH OR SURFACE JUNCTION BOX.
- HEAT DETECTOR INITIATING DEVICE, WALL MOUNTED IN FLUSH JUNCTION BOX, MAXIMUM 6" BELOW CEILING.
- HEAT DETECTOR INITIATING DEVICE, MOUNTED TO STRUCTURE ABOVE SUSPENDED CEILING IN SURFACE JUNCTION BOX.
- MANUAL PULL STATION INITIATING DEVICE, WALL MOUNTED AT +48" UON.
- SPRINKLER SYSTEM WATER FLOW SWITCH, NIEC. SYMBOL DENOTES INTERFACE FOR MONITORING CONNECTION FROM FIRE ALARM SYSTEM.
- SPRINKLER SYSTEM TAMPER SWITCH, NIEC. SYMBOL DENOTES INTERFACE FOR MONITORING CONNECTION FROM FIRE ALARM SYSTEM.
- SPRINKLER SYSTEM POST INDICATING VALVE 'PIV', NIEC. SYMBOL DENOTES INTERFACE FOR MONITORING CONNECTION FROM FIRE ALARM SYSTEM. INCLUDE A REMOTE MOUNTED ADDRESSABLE MONITORING MODULE AT PIV.
- SM — REMOTE MOUNTED SINGLE INPUT, ADDRESSABLE, MONITORING MODULE FOR INITIATING CIRCUIT CONNECTION.
- DM — REMOTE MOUNTED DUAL INPUT, ADDRESSABLE, MONITORING MODULE FOR INITIATING CIRCUIT CONNECTION.
- CR — REMOTE MOUNTED PROGRAMMABLE CONTROL RELAY MODULE FOR ADDRESSABLE CONTROL.
- DPS — DIFFERENTIAL PRESSURE SWITCH, NIEC. SYMBOLS DENOTES INTERFACE FOR MONITORING CONNECTION FROM FIRE ALARM SYSTEM TO ANNUNCIATE FAN OPERATION. INCLUDE A REMOTE MOUNTED ADDRESSABLE MONITORING MODULE AT EACH LOCATION.
- EOL — END-OF-LINE RESISTOR.
- CT — CURRENT TRANSFORMER FOR MONITORING AVAILABLE POWER.
- FRAP — FIREMANS REMOTE ANNUNCIATOR PANEL FRAP, FLUSH WALL MOUNTED, +42" UON.
- MAGNETIC TYPE DOOR HOLD OPEN/RELEASE DEVICE, WALL MOUNTED, NIEC. SYMBOL DENOTES INTERFACE FOR POWER AND CONTROL CONNECTIONS FROM FIRE ALARM SYSTEM.
- DOOR HOLD OPEN/RELEASE DEVICE INTEGRATED IN DOOR HARDWARE CLOSURE EQUIPMENT, NIEC. SYMBOL DENOTES INTERFACE FOR POWER AND CONTROL CONNECTIONS FROM FIRE ALARM SYSTEM.
- AUDIBLE NOTIFICATION APPLIANCE, WALL MOUNTED, 6" BELOW CEILING OR +80" AFF, WHICHEVER IS LOWER.
- VISIBLE NOTIFICATION APPLIANCE, WALL MOUNTED, 6" BELOW CEILING OR +80" AFF, WHICHEVER IS LOWER. NUMBER ASSOCIATED WITH 'cd' REPRESENTS CANDELA RATING OF STROBE.
- AUDIBLE/VISIBLE NOTIFICATION APPLIANCE, WALL MOUNTED, 6" BELOW CEILING OR +80" AFF, WHICHEVER IS LOWER. NUMBER ASSOCIATED WITH 'cd' REPRESENTS CANDELA RATING OF STROBE.
- AUDIBLE NOTIFICATION APPLIANCE, CEILING MOUNTED IN FLUSH BACK BOX.
- VISIBLE NOTIFICATION APPLIANCE, CEILING MOUNTED IN FLUSH BACK BOX. NUMBER ASSOCIATED WITH 'cd' REPRESENTS CANDELA RATING OF STROBE.
- AUDIBLE/VISIBLE NOTIFICATION APPLIANCE, CEILING MOUNTED IN FLUSH BACK BOX. NUMBER ASSOCIATED WITH 'cd' REPRESENTS CANDELA RATING OF STROBE.
- MOTOR OPERATED FIRE/SMOKE DAMPER "FSD", NIEC. SYMBOL DENOTES FIRE ALARM INTERFACE WITH PROGRAMMABLE CONTROL RELAY FOR FSD CONTROL AND DUAL INPUT ADDRESSABLE MONITORING MODULE FOR POSITION MONITORING VIA END SWITCHES.
- FIRE ALARM BELL FOR SPRINKLER FLOW ANNUNCIATOR, NIEC, POWERED AND INSTALLED BY ELECTRICAL, WALL MOUNTED ON EXTERIOR OF BUILDING.
- THERMISTOR SENSOR DEVICE IN FSAE LOBBIES FOR TEMPERATURE MONITORING, WALL MOUNTED 6" BELOW CEILING.
- SMOKE ALARM FOR RESIDENTIAL DWELLING UNITS, NON-ADDRESSABLE, 120V DEVICE WITH BATTERY BACK-UP, CEILING MOUNTED IN FLUSH OR SURFACE JUNCTION BOX.
- SMOKE ALARM FOR RESIDENTIAL DWELLING UNITS, NON-ADDRESSABLE, 120V DEVICE WITH BATTERY BACK-UP, WALL MOUNTED MAXIMUM 6" BELOW CEILING IN FLUSH JUNCTION BOX.
- C — COMBINATION SMOKE AND CARBON MONOXIDE ALARM FOR RESIDENTIAL DWELLING UNITS, NON-ADDRESSABLE, 120V DEVICE WITH BATTERY BACK-UP, CEILING MOUNTED IN FLUSH OR SURFACE JUNCTION BOX.
- C — COMBINATION SMOKE AND CARBON MONOXIDE ALARM FOR RESIDENTIAL DWELLING UNITS, NON-ADDRESSABLE, 120V DEVICE WITH BATTERY BACK-UP, WALL MOUNTED MAXIMUM 6" BELOW CEILING IN FLUSH JUNCTION BOX.

SECURITY

- A — ALARM MONITORING CONTACT, MOUNTED AS NOTED ON PLANS.
- EL — ELECTRIC DOOR LOCK, NIEC, BUT WIRED UNDER THIS DIVISION.
- ES — ELECTRIC DOOR STRIKE, NIEC, BUT WIRED UNDER THIS DIVISION.
- ML — ELECTROMAGNETIC DOOR LOCK, NIEC, BUT WIRED UNDER THIS DIVISION.
- EP — ELECTRIFIED PANIC HARDWARE, NIEC, BUT WIRED UNDER THIS DIVISION.
- MP — MECHANICAL PANIC HARDWARE, NIEC, BUT WIRED UNDER THIS DIVISION.
- RX — REQUEST-TO-EXIT SWITCH, NIEC, FURNISH WITH DOOR HARDWARE AND WIRED UNDER THIS DIVISION.
- P — POWER TRANSFER HINGE, NIEC.
- R, R — DOOR RELEASE MOTION SENSOR, WALL OR CEILING MOUNTED ABOVE DOOR, UON.
- RB, OR — REMOTE ELECTRIC LOCK RELEASE BUTTON, MOUNTED AS NOTED ON PLANS.
- D, D — DURESS STATION, MOUNTED AS NOTED ON PLANS.
- M — AREA MOTION SENSOR, CEILING MOUNTED, UON.
- M — AREA MOTION SENSOR, WALL MOUNTED, +84" UON.
- GB — GLASS BREAK DETECTOR, CEILING MOUNTED, UON.
- CR — CARD READER CONTROLLER, WALL MOUNTED, +42" UON.
- K — KEY PAD CONTROLLER, WALL MOUNTED, +42" UON.
- PS — REMOTE MOUNTED POWER SUPPLY FOR LOW-VOLTAGE EQUIPMENT CONNECTIONS.
- 90, 180, 270, 360 DEGREE CCTV CAMERA, CEILING OR PENDANT MOUNTED AS NOTED ON PLANS.
- PAN/TILT/ZOOM (PTZ) CCTV CAMERA, CEILING MOUNTED.
- 90, 180, 270 DEGREE CCTV CAMERA, WALL MOUNTED.
- PAN/TILT/ZOOM (PTZ) CCTV CAMERA, WALL MOUNTED.
- CCTV MONITOR.
- IACP — INTRUSION ALARM CONTROL PANEL
- DACP — DOOR ACCESS CONTROL PANEL

CONVENTIONS

- (1) — NUMBERED NOTE, APPLIES TO ALL DRAWINGS.
- 1 — NUMBERED SHEET NOTE, APPLIES TO DRAWING CONTAINING NOTES ONLY.
- (1) — OVERCURRENT PROTECTIVE DEVICE NUMBER IDENTIFICATION TAG. REFERS TO LOCATION OF PROTECTIVE OR CONTROL DEVICE WITHIN SWITCHBOARDS, DISTRIBUTION BOARDS, MOTOR CONTROL CENTERS, ETC.
- EQ ## — EQUIPMENT IDENTIFICATION TAG: ITEM FURNISHED AND INSTALLED UNDER ANOTHER DIVISION AND WIRED UNDER THIS DIVISION.
- 2004 — FEEDER TAG. REFER TO FEEDER SCHEDULE.

1 / E-801 — DETAIL REFERENCE:
- DETAIL DESIGNATION
- SHEET NUMBER

2 - F3 — LUMINAIRE IDENTIFICATION TAG:
- FIXTURE TYPE
- QUANTITY

- 7S4 - — UNDERGROUND CONDUIT DESIGNATION:
  - CONDUIT SIZE IN INCHES
  - CONDUIT SYSTEM DESIGNATION
    - P: PRIMARY POWER
    - S: SECONDARY POWER
    - T: TELECOMMUNICATIONS
  - QUANTITY OF CONDUITS

2 E H 2 A — SWITCHBOARDS, DISTRIBUTION BOARDS, AND PANELBOARDS:
- BOARD DESIGNATION
- FLOOR NUMBER
- VOLTAGE CLASSIFICATION
  - PS : PRIMARY SUBSTATION
  - MS : MAIN SWITCHBOARD
  - H : 277/480 PANELBOARD
  - L : 120/208 PANELBOARD
  - SS : SECONDARY SUBSTATION
  - HD : 277/480 DIST. BOARD
  - LD : 120/208 DIST. BOARD

2 E TX / 2 A — TRANSFORMERS:
- TRANSFORMER DESIGNATION
- FLOOR NUMBER
- TRANSFORMER
- POWER SOURCE
  - : NORMAL
  - E : EMERGENCY or ESSENTIAL
  - U : UPS
  - C : CRITICAL
  - S : LIFE SAFETY OR LEGALLY REQUIRED STANDBY
  - O : OPTIONAL STANDBY

2 T TB / 2 A — SIGNAL SYSTEM TERMINALS:
- TERMINAL DESIGNATION
- FLOOR NUMBER
- TERMINAL TYPE
  - TB : TERMINAL BOARD
  - TC : TERMINAL CABINET
- TERMINAL CLASSIFICATION
  - D : DATA
  - FA : FIRE ALARM
  - S : SECURITY
  - T : TELEPHONE
  - TV : TELEVISION
- BUILDING NUMBER (WHEN APPLICABLE)

AUDIO/VISUAL

- PA — PA LOUDSPEAKER, WALL MOUNTED, 12" BELOW CEILING OR +96" AFF, WHICHEVER IS LOWER. 25V, 70V, 100V, OR IP AS INDICATED ON DRAWINGS AND SPECS.
- PA — PA LOUDSPEAKER, CEILING MOUNTED IN FLUSH BACK BOX. 25V, 70V, 100V OR IP AS INDICATED ON DRAWINGS AND SPECS.
- SP — AV PROGRAM SPEAKER, WALL MOUNTED.
- SP — AV PROGRAM SPEAKER, CEILING OR STRUCTURE MOUNTED.
- IP — AUDIO AND VIDEO INTERFACE PLATE, WALL MOUNTED, +18" UON OR AS OTHERWISE NOTED.
- IP — AUDIO AND VIDEO INTERFACE PLATE, MOUNTED IN FLUSH FLOOR BOX.
- AV — AUDIO AND VIDEO CABLE DISPLAY PLATE, WALL MOUNTED, 4 11/16" BOX WITH 1 1/4" CONDUIT TO ACCESSIBLE CEILING. HEIGHT AS NOTED.
- AV — AUDIO AND VIDEO CABLE AT PROJECTOR THROUGH SUPPORT, DIRECT CONNECT TO PROJECTOR.
- TD — FLAT PANEL DISPLAY, WALL MOUNTED AFF AS NOTED.
- SD — SIGNAGE DISPLAY, WALL MOUNTED AFF AS NOTED.
- PR — PROJECTOR WITH PROJECTOR MOUNT, 1.5"-2" NPT COLUMN AND CEILING SUPPORT HARDWARE.
- CP — AUDIO AND VIDEO CONTROL PANEL, FLUSH WALL MOUNTED AT 42" UON IN BACKBOX
- CP — AUDIO AND VIDEO CONTROL PANEL, MOUNTED ON DESKTOP IN SURFACE BOX.
- CP — AUDIO AND VIDEO CONTROL PANEL, RACK MOUNTED.
- C — VIDEO CONFERENCING CAMERA, WALL MOUNTED @ 84"UON.
- C — VIDEO CONFERENCING CAMERA, CEILING MOUNTED IN CAMERA DOME.
- PROJECTION SCREEN, SIZE AND TYPE AS NOTED.
- PS — PROJECTION SCREEN 3 WAY POWER SWITCH, WALL MOUNTED, +42" UON.
- V — VOLUME CONTROLLER, WALL MOUNTED, +42" UON.
- MJ — MICROPHONE JACK, WALL MOUNTED, +18" UON.
- MJ — MICROPHONE JACK, MOUNTED IN FLUSH FLOOR BOX.
- M — INTERCOM STATION, WALL MOUNTED, +42" UON. 'M' DENOTES MASTER STATION.
- M — INTERCOM STATION, MOUNTED ON DESK. 'M' DENOTES MASTER STATION.
- INDICATING CLOCK WITH CLOCK OUTLET, WALL MOUNTED, 12" BELOW CEILING OR + 96" AFF, WHICHEVER IS LOWER.
- COMBINATION LOUDSPEAKER/INDICATING CLOCK WITH CLOCK OUTLET, WALL MOUNTED IN COMBINATION BACK BOX, 12" BELOW CEILING OR +96" AFF, WHICHEVER IS LOWER.
- TELEVISION JACK, WALL MOUNTED +18" UON OR AS NOTED.
- TELEVISION JACK, MOUNTED IN FLUSH FLOOR BOX.
- RS — ROOM SCHEDULING PANEL

ABBREVIATIONS

A	AMPERES	INV	INVERTER
AFI	ARC FAULT CIRCUIT INTERRUPTER	LCP	LIGHTING CONTROL PANEL
AF	AMPERE OVERCURRENT FRAME SIZE (WHEN APPLIED TO CIRCUIT BREAKERS) OR AMPERE FUSE SIZE (WHEN APPLIED TO FUSES)	MBGB	MAIN BUILDING GROUND BUS
		MCB	MAIN CIRCUIT BREAKER
AFF	ABOVE FINISHED FLOOR	MCC	MOTOR CONTROL CENTER
AL	ALUMINUM	MDF	MAIN DISTRIBUTION FRAME
AT	AMPERE OVERCURRENT TRIP (WHEN APPLIED TO CIRCUIT BREAKERS)	MLO	MAIN LUGS ONLY
		MTC	EMPTY CONDUIT
AV	AUDIO / VIDEO	MTS	MANUAL TRANSFER SWITCH
ATS	AUTOMATIC TRANSFER SWITCH	(N)	NEW
BAS	BUILDING AUTOMATION SYSTEM	NF	NON-FUSED
C	CONDUIT	NIEC	NOT IN ELECTRICAL CONTRACT
CCTV	CLOSED CIRCUIT TELEVISION	NTS	NOT TO SCALE
CEC	CALIFORNIA ELECTRICAL CODE	OC	ON CENTER
CL	CURRENT LIMITING CIRCUIT BREAKER OR FUSE	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
CP	CIRCULATION PUMP	PA	PUBLIC ADDRESS
CT	CURRENT TRANSFORMER	PDZ	PRIMARY DAYLIGHT ZONE
CU	COPPER	PNL	PANEL
DF	DRINKING FOUNTAIN	PT	POTENTIAL TRANSFORMER
EC	ELECTRICAL CONTRACTOR	SAD	SEE ARCHITECTURAL DRAWINGS
EF	EXHAUST FAN	TC	TIME CLOCK
EPO	EMERGENCY POWER OFF	SDZ	SECONDARY DAYLIGHT ZONE
EMT	ELECTRICAL METALLIC TUBING	TX	TRANSFORMER
EWH	ELECTRIC WATER HEATER	TYP	TYPICAL
F	FUSED	UON	UNLESS OTHERWISE NOTED
(F)	FUTURE	V	VOLTS
FACP	FIRE ALARM CONTROL PANEL	VA	VOLTS-AMPS
FFCP	FIREMAN'S FAN CONTROL PANEL	VFD	VARIABLE FREQUENCY DRIVE
FLA	FULL LOAD AMPERES	WAP	WIRELESS ACCESS POINT
FMC	FLEXIBLE METAL CONDUIT	WP	WEATHERPROOF
FSD	FIRE/SMOKE DAMPER	2SP	TWO SPEED
FRAP	FIREMAN'S REMOTE ANNUNCIATOR PANEL	1Ø	1-PHASE
		3Ø	3-PHASE
G	GROUND	1P	1-POLE
GB	GROUND BUS	2P	2-POLE
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	3P	3-POLE
GND	GROUND	3W	3-WIRE
GRC	GALVANIZED RIGID CONDUIT	4W	4-WIRE
IDF	INTERMEDIATE DISTRIBUTION FRAME		
IG	ISOLATED GROUND		

APPLIANCES

DW	DISHWASHER	MW	MICROWAVE
GD	GARBAGE DISPOSER	RF	REFRIGERATOR

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

South Davis Library
2700 COWELL BLVD
DAVIS, CA 95616

WMB Project No. 19-022

The Engineering Enterprise
CONSULTING ENGINEERS
ALAMEDA | AUBURN | LOS ANGELES | NEOSHO
SAN DIEGO | SANTA BARBARA
https://www.engent.com

REGISTERED PROFESSIONAL ENGINEER — REGINALD T. WHEELER — ELECTRICAL — STATE OF CALIFORNIA — Exp. 06-30-25

NOT FOR CONSTRUCTION

08.23.2024	BID SET

ELECTRICAL SYMBOLS CONT. & ABBREVIATIONS

E0.2

8/22/2024 4:15:56 PM

Copyright WMB, Inc.

STATE OF CALIFORNIA
Indoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-LTI-E
Project Name: South Davis Library		Report Page:	(Page 1 of 9)
Project Address: 2700 Cowell Blvd Davis, CA 95616		Date Prepared:	2024-05-22T19:11:49-04:00

This document is used to demonstrate compliance with requirements in 110.9, 110.12(c), 130.0, 130.1, 140.6 and 141.0(b)2 for indoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e) and 180.2(b)4 for indoor lighting scopes using the prescriptive path for multifamily occupancies. Multifamily includes dormitory and senior living facilities.

A. GENERAL INFORMATION

01	Project Location (city)	Davis	04	Total Conditioned Floor Area (ft²)	12,723.44
02	Climate Zone	12	05	Total Unconditioned Floor Area (ft²)	0
03	Occupancy Types Within Project (select all that apply):		06	# of Stories (Habitable Above Grade)	0
• Library					

B. PROJECT SCOPE

This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.6 / 170.2(e) or 141.0(b)2 / 180.2(b)4 for alterations.

Scope of Work	Conditioned Spaces		Unconditioned Spaces	
01	02	03	04	05
My Project Consists of (check all that apply):	Calculation Method	Area (ft²)	Calculation Method	Area (ft²)
☒ New Lighting System	Complete Building Method	12723.44	N/A	0
☐ New Lighting System - Parking Garage	N/A	0	N/A	0
Total Area of Work (ft²)	12723.44			

STATE OF CALIFORNIA
Indoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-LTI-E
Project Name: South Davis Library		Report Page:	(Page 2 of 9)
2700 Cowell Blvd Davis, CA 95616		Date Prepared:	2024-05-22T19:11:49-04:00

C. COMPLIANCE RESULTS

If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per 140.6(b)1 / 170.2(e)	Allowed Lighting Power per 140.6(b) / 170.2(e) (Watts)						Adjusted Lighting Power per 140.6(a) / 170.2(e) (Watts)				Compliance Results
	01	02	03	04	05		06	07		08	09
	Complete Building 140.6(c)1	Area Category 140.6(c)2 / 170.2(e)4	Area Category Additional 140.6(c)2G / 170.2(e)4Av (+)	Tailored 140.6(c)3 / 170.2(e)4B (+)	Total Allowed (Watts)		Total Designed (Watts)	Adjustments PAF Lighting Control Credits 140.6(a)2 / 170.2(e)1B (-)		Total Adjusted (Watts) *Includes Adjustments	05 must be >= 08 140.6 / 170.2(e)
	(See Table I)	(See Table I)	(See Table J)	(See Table K)			(See Table F)	(See Table P)			
Conditional	8,906.41				= 8,906.41	≥	7,006.2		=	7006.2	COMPLIES
Unconditional					=	≥			=		
Controls Compliance (See Table H for Details)											COMPLIES
Rated Power Reduction Compliance (See Table Q for Details)											

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

STATE OF CALIFORNIA
Indoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-LTI-E
Project Name: South Davis Library		Report Page:	(Page 3 of 9)
2700 Cowell Blvd Davis, CA 95616		Date Prepared:	2024-05-22T19:11:49-04:00

F. INDOOR LIGHTING FIXTURE SCHEDULE

This table includes all planned permanent and portable lighting other than dwelling unit/ hotel/ motel room lighting. Multifamily dwelling unit and hotel/motel room lighting is documented in Table T. If using Table T to document lighting in multifamily common use areas providing shared provisions for living, eating, cooking or sanitation, those luminaires are not included here.

Designed Wattage: Conditioned Spaces

01 Name or Item Tag	02 Complete Luminaire Description	03 Modular (Track) Fixture	04 Small Aperture & Color Change[1]	05 Watts per luminaire[2]	06 How is Wattage determined	07 Total Number of Luminaires	08 Excluded per 140.6(a)3 / 170.2(e)2C	09 Design Watts	10 Field Inspector Pass	10 Field Inspector Fail
F1	2X2 ACOUSTIC LAY-IN TROFFER	No	NA	28	Mfr. Spec	27	No	756	☐	☐
F2	4' SURFACE LED STRIP LUMINAIRE	No	NA	21.1	Mfr. Spec	10	No	211	☐	☐
F2A	8' SURFACE LED STRIP LUMINAIRE	No	NA	42.2	Mfr. Spec	2	No	84.4	☐	☐
F2B	2X2 WALL MOUNTED ARCHITECTURAL RECESSED TROFFER	No	NA	19.6	Mfr. Spec	1	No	19.6	☐	☐
F3	2X2 ARCHITECTURAL RECESSED TROFFER	No	NA	19.6	Mfr. Spec	26	No	509.6	☐	☐
F4	4" ADJUSTABLE RECESSED DOWNLIGHT	No	NA	6.7	Mfr. Spec	6	No	40.2	☐	☐
F5	2.5" SURFACE MOUNT SPOTLIGHT WITH 4" STEM	No	NA	14	Mfr. Spec	20	No	280	☐	☐
F6	4" ROUND DOWNLIGHT	No	NA	11.8	Mfr. Spec	5	No	59	☐	☐
F7	12' SURFACE MOUNTED ALUMINUM HOUSING LINEAR LUMINAIR	No	NA	65	Mfr. Spec	20	No	1,300	☐	☐
F7A	4' SURFACE MOUNTED ALUMINUM HOUSING LINEAR LUMINAIR	No	NA	33.6	Mfr. Spec	3	No	100.8	☐	☐

STATE OF CALIFORNIA
Indoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-LTI-E
Project Name: South Davis Library		Report Page:	(Page 4 of 9)
2700 Cowell Blvd Davis, CA 95616		Date Prepared:	2024-05-22T19:11:49-04:00

F. INDOOR LIGHTING FIXTURE SCHEDULE

F7B	3' SURFACE MOUNTED ALUMINUM HOUSING LINEAR LUMINAIR	No	NA	25.2	Mfr. Spec	2	No	50.4	☐	☐
F8	14' RECESSED LINEAR LED LUMINAIRE WITH AN EXTRUDED ALUMINUM TRIM AND SIDE WALL	No	NA	53.2	Mfr. Spec	2	No	106.4	☐	☐
F9	8' KNIFE EDGED WALL MOUNTED LUMINAIRE	No	NA	38	Mfr. Spec	2	No	76	☐	☐
F9A	4' KNIFE EDGED WALL MOUNTED LUMINAIRE	No	NA	19	Mfr. Spec	7	No	133	☐	☐
F10	LED COVE LUMINAIRE WITH EXTRUDED ALUMINUM HOUSING	No	NA	227.5	Mfr. Spec	8	No	1,820	☐	☐
F10A	9' LED COVE LUMINAIRE WITH EXTRUDED ALUMINUM HOUSING	No	NA	58.5	Mfr. Spec	8	No	468	☐	☐
F11	8' LINEAR LUMINAIRE	No	NA	89.6	Mfr. Spec	6	No	537.6	☐	☐
F11A	8' LINEAR LUMINAIRE RECESSED IN HARD LID SOFFIT	No	NA	89.6	Mfr. Spec	2	No	179.2	☐	☐
F12	2X2 TROFFER	No	NA	52	Mfr. Spec	4	No	208	☐	☐
F14	PENDANT MOUNTED CONTINUOUS LINEAR SQUARE WITH 4 FOOT SIDES	No	NA	67	Mfr. Spec	1	No	67	☐	☐
F14	CONTINUOUS LINEAR SQUARE WITH 4 FOOT SIDES	No	NA	67	Mfr. Spec	1	No	67	☐	☐
Total Designed Watts: CONDITIONED SPACES								7,006.2		

[1]*FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per 140.6(a)4B / 170.2(e)2D is adjusted to be 75% /80% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.*

[2]*Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b). Wattage used must be the maximum rated for the luminaire, not the lamp.*

STATE OF CALIFORNIA
Indoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-LTI-E
Project Name: South Davis Library		Report Page:	(Page 5 of 9)
2700 Cowell Blvd Davis, CA 95616		Date Prepared:	2024-05-22T19:11:49-04:00

G. MODULAR LIGHTING SYSTEMS

This section does not apply to this project.

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

This table includes lighting controls for conditioned and unconditioned spaces.

Building Level Controls

01	02	03 Field Inspector Pass	03 Field Inspector Fail
Mandatory Demand Response 110.12(c)	Shut-off controls 130.1(c) / 160.5(b)4C		
Required >= 4,000W subject to multilevel	See Area/Space Level Controls	☐	☐

Area Level Controls

04	05	06	07	08	09	10	11	12 Field Inspector Pass	12 Field Inspector Fail
Area Description	Complete Building or Area Category Primary Function Area	Manual Area Controls 130.1(a) / 160.5(b)4A	Multi-Level Controls 130.1(b) / 160.5(b)4B	Shut-Off Controls 130.1(c) // 160.5(b)4C	Primary/Skylit Daylighting 130.1(d) / 160.5(b)4D	Secondary Daylighting 130.1(d) / 160.5(b)4D	Interlocked Systems 140.6(a)1/ 170.2(e)2A		
South Davis Library	Library	Readily Accessible	Dimmer	Occupancy Sensor	Included	Included	No	☐	☐
							13		
							Plan Sheet Showing Daylit Zones:		
							E2.1		

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Each area complying using the Complete Building or Area Category Methods per 140.6(b) are included in this table. Column 06 indicates if additional lighting power allowances per 140.6(c) or adjustments per 140.6(a) are being used .

Conditioned Spaces

01	02	03	04	05	06

STATE OF CALIFORNIA
Indoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-LTI-E
Project Name: South Davis Library		Report Page:	(Page 6 of 9)
2700 Cowell Blvd Davis, CA 95616		Date Prepared:	2024-05-22T19:11:49-04:00

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft²)	Area (ft²)	Allowed Wattage (Watts)	Additional Allowance / Adjustment Area Category	Additional Allowance / Adjustment PAF
South Davis Library	Library	0.7	12,723.44	8,906.41	No	No
	TOTALS:		12,723.44	8,906.41	See Tables J, or P for detail	

J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

This section does not apply to this project.

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE

This section does not apply to this project.

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY

This section does not apply to this project.

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING

This section does not apply to this project.

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED DECORATIVE /SPECIAL EFFECTS

This section does not apply to this project.

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE

This section does not apply to this project.

STATE OF CALIFORNIA
Indoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-LTI-E
Project Name: South Davis Library		Report Page:	(Page 7 of 9)
2700 Cowell Blvd Davis, CA 95616		Date Prepared:	2024-05-22T19:11:49-04:00

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))

This section does not apply to this project.

Q. RATED POWER REDUCTION COMPLIANCE FOR ONE-FOR-ONE ALTERATIONS

This section does not apply to this project.

R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS

This section does not apply to this project.

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)

This section does not apply to this project.

T. DWELLING UNIT LIGHTING

This section does not apply to this project.

U. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selections have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-LTI-E - Must be submitted for all buildings

STATE OF CALIFORNIA
Indoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-LTI-E
Project Name: South Davis Library		Report Page:	(Page 8 of 9)
2700 Cowell Blvd Davis, CA 95616		Date Prepared:	2024-05-22T19:11:49-04:00

V. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selections have been changed by the permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and any with "-A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	South Davis Library
NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	South Davis Library
NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	South Davis Library

STATE OF CALIFORNIA
Indoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-LTI-E
Project Name: South Davis Library		Report Page:	(Page 9 of 9)
Project Address: 2700 Cowell Blvd Davis, CA 95616		Date Prepared:	2024-05-22T19:11:49-04:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Jewelianna Langston	Documentation Author Signature: Jewelianna Langston
Company: The Engineering Enterprise	Signature Date: 05-22-2024
Address: 1125 High St	CEA/ HERS Certification Identification (If applicable):
City/State/Zip: Auburn, CA 95603	Phone: 916-545-3582

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name:	Scott Wheeler	Responsible Designer Signature:	
Company:	The Engineering Enterprise	Date Signed:	05-22-2024
Address:	1125 High St	License:	E015491
City/State/Zip:	Auburn, CA 95603	Phone:	530-886-8556

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

South Davis Library
2700 COWELL BLVD
DAVIS, CA 95616

WMB Project No. 19-022

The Engineering Enterprise
CONSULTING ENGINEERS
ALAMEDA | AUBURN | LOS ANGELES | NEOSHO
SAN DIEGO | SANTA BARBARA
https://www.engent.com

REGISTERED PROFESSIONAL ENGINEER
SCOTT WHEELER
ELECTRICAL
STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

08.23.2024 | BID SET

TITLE 24 INDOOR LIGHTING FORMS

E0.3

8/22/2024 4:15:56 PM
Copyright WMB, Inc.

STATE OF CALIFORNIA
Electrical Power Distribution
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ELC-E
Project Name: South Davis Library	Report Page:	(Page 1 of 6)
Project Address: 2700 Cowell Blvd Davis, CA 95616	Date Prepared:	2024-05-22T19:15:09-04:00

This document is used to demonstrate compliance with mandatory requirements in 130.5, for electrical systems in newly constructed nonresidential and hotel/motel occupancies and 160.6 and 160.9 for electrical systems in newly constructed multifamily occupancies. Additions and alterations to electrical service systems in nonresidential and hotel/motel occupancies will also use this document to demonstrate compliance per 141.0(a) or 141.0(b)2P for alterations. For multifamily addition or alterations compliance will be documented per 180.1(a) or 180.2 (b)4bvii

A. GENERAL INFORMATION

01	Project Location (city)	Davis	02	Climate Zone	12
			03	Occupancy Types Within Project:	Library

B. PROJECT SCOPE

This table includes electrical systems that are within the scope of the permit application.

01	02	03	04	05	06	07
Electrical Service Designation/ Description	Scope of Work[1]	Rating[2] (kVA)	Utility Provided Metering System Exception to 130.5(a)/ 160.6(a)[3]	System subject to CA Elec Code Article 517 Exception to 130.5(a)and (b)	Demand Response Controls	Provides power to dwelling units/common living areas only in multifamily occupancy
E6.1	New electrical service equipment and meter	216.16	☒	☐	Where required, demand response controls must be specified which are capable of receiving and automatically responding to at least one standards based messaging protocol which enables demand response after receiving a demand response signal. Sections 120.2/ 160.3, 130.1/ 160.5, and 130.3/ 160.5, and mechanical, indoor lighting, and sign lighting Certificate of Compliance documents will indicate when demand response controls are required.	☐

[1]FOOTNOTES: Adding only new feeders and branch circuits triggers Voltage Drop 130.5(c)/160.6(c), no other requirements from 130.5/160.6 are required.
[2] If common use areas in a multifamily are submetered, rating is for submeter size serving common use areas.
[3] Applicable if the utility company is providing a metering system that indicates instantaneous kW demand and kWh for a utility-defined period.

STATE OF CALIFORNIA
Electrical Power Distribution
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ELC-E
Project Name: South Davis Library	Report Page:	(Page 2 of 6)
2700 Cowell Blvd Davis, CA 95616	Date Prepared:	2024-05-22T19:15:09-04:00

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through J. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

01		02		03		04	05	06
Service Electrical Metering 130.5(a)/ 160.6(a) (See Table F)	AND	Separation for Monitoring 130.5(b)/ 160.6(b) (See Table G)	AND	Voltage Drop 130.5(c)/ 160.6(c) (See Table H)	AND	Controlled Receptacles 130.5(d)/ 160.6(d) (See Table I)	Electric Ready 160.9 (See Table J)	**Compliance Results**
	AND	Yes	AND	Yes	AND	Yes		COMPLIES with Exceptional Conditions

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

Table B indicates the project is exempt from 130.5(a) Service Electrical Metering requirements because the utility company has provided the project a metering system that indicates instantaneous kW demand and kWh for a utility-defined period.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

STATE OF CALIFORNIA
Electrical Power Distribution
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ELC-E
Project Name: South Davis Library	Report Page:	(Page 3 of 6)
2700 Cowell Blvd Davis, CA 95616	Date Prepared:	2024-05-22T19:15:09-04:00

G. SEPARATION OF ELECTRICAL CIRCUITS FOR ENERGY MONITORING

This table includes entirely new or complete replacement electrical power distribution systems to demonstrate compliance with 130.5(b)/ 160.6(b). Any load types that are not included in the service do not need to be shown. For multifamily occupancies, submetered systems that provide power to dwelling units do not need to meet these separation requirements and therefore load types on those submetered systems also do not need to be shown.

01	02	03	04	05	
Load Type per Table 130.5-B[1]	Minimum Required Separation of Load per Table 130.5-B	Compliance Method[2]	Location of Requirements in Construction Documents	Field Inspector	
				Pass	Fail
E6.1					
HVAC systems and components	All HVAC in aggregate	Method 3: Branch circuits serve load types individually & provisions for adding future branch curcuit monitoring	E0.8	☐	☐
Lighting including exit, egress and exterior	All lighting in aggregate	Method 3: Branch circuits serve load types individually & provisions for adding future branch curcuit monitoring	E0.8	☐	☐
Other non-HVAC loads and appliances greater than or equal to 25kVA	All loads in aggregate	Method 3: Branch circuits serve load types individually & provisions for adding future branch curcuit monitoring	E0.8	☐	☐
Plug Loads and appliances less than 25kVA	All plug loads in aggregate Groups of plug loads exceeding 25 kVA connected load in an area less than 5000 sf	Method 3: Branch circuits serve load types individually & provisions for adding future branch curcuit monitoring	E0.8	☐	☐

STATE OF CALIFORNIA
Electrical Power Distribution
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ELC-E
Project Name: South Davis Library	Report Page:	(Page 4 of 6)
2700 Cowell Blvd Davis, CA 95616	Date Prepared:	2024-05-22T19:15:09-04:00

G. SEPARATION OF ELECTRICAL CIRCUITS FOR ENERGY MONITORING

This table includes entirely new or complete replacement electrical power distribution systems to demonstrate compliance with 130.5(b)/ 160.6(b). Any load types that are not included in the service do not need to be shown. For multifamily occupancies, submetered systems that provide power to dwelling units do not need to meet these separation requirements and therefore load types on those submetered systems also do not need to be shown.

01	02	03	04	05	
Load Type per Table 130.5-B[1]	Minimum Required Separation of Load per Table 130.5-B	Compliance Method[2]	Location of Requirements in Construction Documents	Field Inspector	
				Pass	Fail
Charging stations for electrical vehicle	All loads in aggregate	Method 3: Branch circuits serve load types individually & provisions for adding future branch curcuit monitoring	E0.8	☐	☐

** NOTES: If "Other** is selected under Compliance Method above, please indicate how compliance has been achieved in the space provided below.*

[1] FOOTNOTES: For each separate load type, up to 10% of the connected load may be of any type.
[2] Method 1: Switchboards/ motor control centers/ panelboard loads disaggregated for each load type.
Method 2: Switchboards/ motor control centers/ panelboard supply other distribution equipment with loads disaggregated for each load type.
Method 3: Branch circuits serve load types individually and provisions for adding future branch circuit monitoring.
Method 4: Complete metering system measures and reports loads by type.
See Chapter 8 of the Nonresidential Compliance Manual for more detail on Compliance Methods.

H. VOLTAGE DROP

This table includes entirely new or complete replacement electrical power distribution systems, or alterations that add, modify or replace both feeders and branch circuits to demonstrate compliance with 130.5(c)/ 160.6(c). For alterations, only the altered circuits must demonstrate compliance per 141.0(b)2PiI/ 180.2(b)4Bviic.

01	02				03	04	05	
Electrical Service Designation/Description	Combined Voltage Drop on Installed Feeder/Branch Circuit Conductors Compliance Method				Location of Voltage Drop Calculations[1]	Sheet Number for Voltage Drop Calculations in Construction Documents	Field Inspector	
							Pass	Fail
E6.1	☒	Voltage drop less than 5%	☐	Permitted by CA Elec Code (Exception to 130.5(c))*	In construction documents	E6.1	☐	☐

** NOTES: If "Permitted by CA Elec Code ** is selected under Compliance Method above, please indicate where the exception applies in the space provided below.*

STATE OF CALIFORNIA
Electrical Power Distribution
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ELC-E
Project Name: South Davis Library	Report Page:	(Page 5 of 6)
2700 Cowell Blvd Davis, CA 95616	Date Prepared:	2024-05-22T19:15:09-04:00

H. VOLTAGE DROP

[1] FOOTNOTES: Voltage drop calculations may be attached to the permit application outside the construction documents if allowed by the Authority Having Jurisdiction. Select "attached" if applicable. If calculations will be the responsibility of the installing contractor, select "Contractor Responsible".

I. CIRCUIT CONTROLS FOR 120-VOLT RECEPTACLES AND CONTROLLED RECEPTACLES

This table includes entirely new or complete replacement electrical power distribution systems to demonstrate compliance with 130.5(d)/ 160.6(d).. Both controlled and uncontrolled receptacles must be provided in office areas, lobbies, conference rooms, kitchen areas in office spaces, copy rooms and hotel/motel guest rooms.

01	02	03	04	05	06	07	
Room name or Description	Location/ Type of Controlled Receptacles[1]	Shut-Off Controls	Demand Responsive Controls	Permanent Durable Marking Will be Used	Location of Requirements in Construction Documents	Field Inspector	
						Pass	Fail
Rooms: 111, 115,	Split-wired receptacle	Occupancy Sensor	Included w capabilities per 110.12(e)	☒	E3.1	☐	☐
Rooms: 116, 117, 107, 104, 118	Split-wired receptacle	Occupancy Sensor	Included w capabilities per 110.12(e)	☒	E3.1	☐	☐

** NOTES: If "Other** is selected under Shut-Off Controls above, please indicate how compliance has been achieved in the space provided below.*

[1] FOOTNOTES: Receptacles dedicated to refrigerators and water dispensers in kitchens, located a minimum of 6ft above the floor specifically for clocks, network copiers, fax machines, A/V and data equipment other than personal computers in copy rooms, circuits rated more than 20 Amps, or connected to a UPS that are intended to be in continuous use and are marked to differentiate them from other receptacles or circuits are excepted from the requirements. .

K. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-ELC-E - Must be submitted for all buildings

L. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no forms required for this project.

STATE OF CALIFORNIA
Electrical Power Distribution
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-ELC-E
Project Name: South Davis Library	Report Page:	(Page 6 of 6)
Project Address: 2700 Cowell Blvd Davis, CA 95616	Date Prepared:	2024-05-22T19:15:09-04:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name:	Jewelianna Langston	Documentation Author Signature:	Jewelianna Langston
Company:	The Engineering Enterprise	Signature Date:	05-22-2024
Address:	1125 High St	CEA/ HERS Certification Identification (if applicable):	
City/State/Zip:	Auburn, CA 95603	Phone:	916-549-3582

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name:	Scott Wheeler	Responsible Designer Signature:	Scott Wheeler
Company:	The Engineering Enterprise	Date Signed:	05-22-2024
Address:	1125 High St	License:	E015491
City/State/Zip:	Auburn, CA 95603	Phone:	530-886-8556

WMB ARCHITECTS
5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

South Davis Library
2700 COWELL BLVD
DAVIS, CA 95616

WMB Project No. 19-022

The Engineering Enterprise
CONSULTING ENGINEERS
ALAMEDA | AUBURN | LOS ANGELES | NEOSHO
SAN DIEGO | SANTA BARBARA
https://www.engent.com

REGISTERED PROFESSIONAL ENGINEER
SCOTT WHEELER
ELECTRICAL
STATE OF CALIFORNIA

NOT FOR CONSTRUCTION

08.23.2024 BID SET

TITLE 24 POWER FORMS

E0.4

8/22/2024 4:15:56 PM Copyright WMB, Inc.

STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-E
Project Name: South Davis Library	Report Page: (Page 1 of 10)
Project Address: 2700 Cowell Blvd Davis, CA 95616	Date Prepared: 2024-05-22T19:11:09-04:00

This document is used to demonstrate compliance with requirements in 110.9, 130.0, 130.2, 140.7, and 141.0(b)2L for outdoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e)6, 180.1(b) and 180.2(b)4Biv for outdoor lighting scopes using the prescriptive path for multifamily and mixed-use occupancies. Multifamily includes dormitory and senior living facilities.

A. GENERAL INFORMATION

01	Project Location (city)	Davis	04	Total Illuminated Hardscape Area (ft^2)	39765.81
02	Climate Zone	12			

03 Outdoor Lighting Zone per Title 24 Part 1 10-114 or as designated by Authority Having Jurisdiction (AHJ):

☐ LZ-0: Very Low - Undeveloped Parkland ☒ LZ-2: Moderate - Urban Clusters ☐ LZ-4: High - Must be reviewed by CA Energy Commission for Approval
☐ LZ-1: Low - Rural Areas ☐ LZ-3: Moderately High - Urban Areas

05 Occupancy Types within Project
- Library

B. PROJECT SCOPE

This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Biv for alterations.

My Project Consists of:

01	02
☒ New Lighting System	Must Comply with Allowances from 140.7 / 170.2(e)6
☐ Altered Lighting System	Is your alteration increasing the connected lighting load (Watts)? ○ Yes ○ No

03	04	05
% of Existing Luminaires Being Altered[1]	Sum Total of Luminaires Being Added or Altered	Calculation Method
☐ <10% ☐ >= 10% and < 50% ☐ >= 50%		

Please proceed to Table F, Outdoor Lighting Fixture Schedule to define the project's luminaires.

[1] *FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100.*

Generated Date/Time: Documentation Software: Energy Code Ace

STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-E
Project Name: South Davis Library	Report Page: (Page 2 of 10)
Project Address: 2700 Cowell Blvd Davis, CA 95616	Date Prepared: 2024-05-22T19:11:09-04:00

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through N. Note: if any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

Calculations of Total Allowed Lighting Power (Watts) 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Biv

01		02		03		04		05		06		Compliance Results 07		08		09
General Hardscape Allowance 140.7(d)1 / 170.2(e)6i (See Table I)	+	Per Application 140.7(d)2 / 170.2(e)6ii (See Table J)	+	Sales Frontage 140.7(d)2 (See Table K)	+	Ornamental 140.7(d)2 / 170.2(e)6i (See Table L)	+	Per Specific Area 140.7(d)2 / 170.2(e)6ii (See Table M)	OR	Existing Power Allowance 141.0(b)2L / 180.2(b)4Biv (See Table N)	=	**Total Allowed** (Watts)	≥	**Total Actual** (Watts)		**07 must be >= 08**
1,183.8	+	—	+	—	+	—	+	—	OR	—	=	1,183.8	≥	748.78		COMPLIES
Shielding Compliance (See Table G for Details)																N/A
Controls Compliance (See Table H for Details)																COMPLIES

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

Generated Date/Time: Documentation Software: Energy Code Ace

STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-E
Project Name: South Davis Library	Report Page: (Page 3 of 10)
Project Address: 2700 Cowell Blvd Davis, CA 95616	Date Prepared: 2024-05-22T19:11:09-04:00

F. OUTDOOR LIGHTING FIXTURE SCHEDULE

For new or altered lighting systems demonstrating compliance with 140.7 / 170.2(e)6i all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per 141.0(b)2L only new luminaires being installed and replacement luminaires being installed as part of the project scope are included (ie, existing luminaires remaining or existing luminaires being moved are not included). Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor lighting is included here.

Designed Wattage:

01	02		03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description		Watts per luminaire[1,2]	How is Wattage determined	Total Number Luminaires [2]	Luminaire Status[3]	Excluded per 140.7(a) / 170.2(e)6A	Design Watts	Cutoff Req.'s 6,200 initial lumen output 130.2(b) / 160.5(c)1[4]	Field Inspector Pass	Field Inspector Fail
SF1	POLE MOUNTED EXTERIOR AREA LUMINAIRE WITH FORWARD THROW OPTICS	☐ Linear	75	Mfr. Spec	10	New	☒	—	NA: Illuminate public right-of-way	☐	☐
SF2	WALL MOUNTED LOW PROFILE EXTERIOR SCONCE WITH SYMMETRICAL UP/DOWN LIGHTING DISTRIBUTION	☒ Linear	1.11	Mfr. Spec	18	New	☐	19.98	NA: < 6200 lumens	☐	☐
SF2A	WALL MOUNTED LOW PROFILE EXTERIOR SCONCE WITH SYMMETRICAL UP/DOWN LIGHTING DISTRIBUTION	☐ Linear	20	Mfr. Spec	4	New	☐	80	NA: < 6200 lumens	☐	☐
SF2AD	WALL MOUNTED LOW PROFILE EXTERIOR SCONCE WITH DOWN LIGHTING DISTRIBUTION	☐ Linear	10	Mfr. Spec	10	New	☐	100	NA: < 6200 lumens	☐	☐

Generated Date/Time: Documentation Software: Energy Code Ace

STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-E
Project Name: South Davis Library	Report Page: (Page 4 of 10)
Project Address: 2700 Cowell Blvd Davis, CA 95616	Date Prepared: 2024-05-22T19:11:09-04:00

F. OUTDOOR LIGHTING FIXTURE SCHEDULE

For new or altered lighting systems demonstrating compliance with 140.7 / 170.2(e)6 all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per 141.0(b)2L only new luminaires being installed and replacement luminaires being installed as part of the project scope are included (ie, existing luminaires remaining or existing luminaires being moved are not included). Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor lighting is included here.

Designed Wattage:

01	02		03	04	05	06	07	08	09	10	
SF3	WALL MOUNTED AREA LUMINAIRE WITH TYPE 1 SPILL CONTROL DISTRIBUTION FOR BUILDING EXTERIOR AREAS	☐ Linear	34	Mfr. Spec	1	New	☐	34	NA: < 6200 lumens	☐	☐
SF3A	WALL MOUNTED AREA LUMINAIRE WITH TYPE 3 SPILL CONTROL DISTRIBUTION FOR BUILDING EXTERIOR AREAS	☐ Linear	34	Mfr. Spec	1	New	☐	34	NA: < 6200 lumens	☐	☐
SF4	SURFACE MOUNTED 4' NOMINAL EXTERIOR HIGH-OUTPUT LINEAR WITH SYMMETRIC WIDE DISTRIBUTION	☒ Linear	9.2	Mfr. Spec	4	New	☐	36.8	NA: < 6200 lumens	☐	☐
SF5	SURFACE MOUNTED ALUMINUM OUTDOOR SIGN LIGHT WITH 12" ARM AND ADJUSTABLE HEAD	☐ Linear	7.5	Mfr. Spec	10	New	☐	75	NA: < 6200 lumens	☐	☐
SF6	RECESSED OUTDOOR FLOOR WASH STEPLIGHT	☐ Linear	9	Mfr. Spec	4	New	☐	36	NA: < 6200 lumens	☐	☐
SF7	40" PATHWAY BOLLARD	☐ Linear	15	Mfr. Spec	5	New	☐	75	NA: < 6200 lumens	☐	☐
SF8	6" INGRADE ADJUSTABLE FLOODLIGHT	☐ Linear	11	Mfr. Spec	12	New	☐	132	NA: < 6200 lumens	☐	☐

Generated Date/Time: Documentation Software: Energy Code Ace

STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-E
Project Name: South Davis Library	Report Page: (Page 5 of 10)
Project Address: 2700 Cowell Blvd Davis, CA 95616	Date Prepared: 2024-05-22T19:11:09-04:00

F. OUTDOOR LIGHTING FIXTURE SCHEDULE

For new or altered lighting systems demonstrating compliance with 140.7 / 170.2(e)6 all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per 141.0(b)2L only new luminaires being installed and replacement luminaires being installed as part of the project scope are included (ie, existing luminaires remaining or existing luminaires being moved are not included). Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor lighting is included here.

Designed Wattage:

01	02		03	04	05	06	07	08	09	10	
SF9	8" GOLD BEACON, 2 LED BULBS, 359° REVOLVING TRACK	☐ Linear	6	Mfr. Spec	1	New	☐	6	NA: < 6200 lumens	☐	☐
SF10	8" DOUBLE BEAM SURFACE MOUNTED OUTDOOR FIXTURE	☐ Linear	15	Mfr. Spec	8	New	☐	120	NA: < 6200 lumens	☐	☐
								Total Design Watts:	748.78		

[1] *NOTES: Selections with a ? require a note in the space below explaining how compliance is achieved.*
ES: Luminaire is lighting a statue; EXCEPTION 2 to 130.2(b)

[2] *FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b)*

[3] *For linear luminaires, wattage should be indicated as W/ft instead of Watts/luminaire. Total linear feet should be indicated in column 05 instead of number of luminaires.*

[4] *Select "New" for new luminaires in a new outdoor lighting project, or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope.*

[5] *Compliance with mandatory shielding requirements is required for luminaires with initial lumen output >= 6,200 unless exempted by 130.2(b)/ 160.5(c)*

G. SHIELDING REQUIREMENTS (BUG)

This section does not apply to this project.

Generated Date/Time: Documentation Software: Energy Code Ace

STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-E
Project Name: South Davis Library	Report Page: (Page 6 of 10)
Project Address: 2700 Cowell Blvd Davis, CA 95616	Date Prepared: 2024-05-22T19:11:09-04:00

H. OUTDOOR LIGHTING CONTROLS

This table demonstrates compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application.
Outdoor lighting for nonresidential buildings, parking garages and common service areas in multifamily buildings must be documented separately from outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit

Mandatory Controls for Nonresidential Occupancies, Parking Garages & Common Areas in Multifamily Buildings

01	02	03	04	05	
Area Description	Shut-Off 130.2(c)1 / 160.5(c)	Auto-Schedule 130.2(c)2 / 160.5(c)	Motion Sensor 130.2(c)3 / 160.5(c)	Field Inspector Pass	Field Inspector Fail
South Davis Library: "SF1"	Astronomical Timer	Provided	Provided	☐	☐
South Davis Library: "SF2"	Astronomical Timer	Provided	NA: Each Luminaire <= 40 Watts	☐	☐
South Davis Library: "SF2A"	Astronomical Timer	Provided	NA: Each Luminaire <= 40 Watts	☐	☐
South Davis Library: "SF2AD"	Astronomical Timer	Provided	NA: Each Luminaire <= 40 Watts	☐	☐
South Davis Library: "SF3"	Astronomical Timer	Provided	NA: Each Luminaire <= 40 Watts	☐	☐
South Davis Library: "SF3A"	Astronomical Timer	Provided	NA: Each Luminaire <= 40 Watts	☐	☐
South Davis Library: "SF4"	Astronomical Timer	Provided	NA: Each Luminaire <= 40 Watts	☐	☐
South Davis Library: "SF5"	Astronomical Timer	Provided	NA: Each Luminaire <= 40 Watts	☐	☐
South Davis Library: "SF6"	Astronomical Timer	Provided	NA: Each Luminaire <= 40 Watts	☐	☐
South Davis Library: "SF7"	Astronomical Timer	Provided	NA: Each Luminaire <= 40 Watts	☐	☐
South Davis Library: "SF8"	Astronomical Timer	Provided	NA: Each Luminaire <= 40 Watts	☐	☐
South Davis Library: "SF9"	Astronomical Timer	Provided	NA: Each Luminaire <= 40 Watts	☐	☐
South Davis Library: "SF10"	Astronomical Timer	Provided	NA: Each Luminaire <= 40 Watts	☐	☐

Generated Date/Time: Documentation Software: Energy Code Ace

STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-E
Project Name: South Davis Library	Report Page: (Page 7 of 10)
Project Address: 2700 Cowell Blvd Davis, CA 95616	Date Prepared: 2024-05-22T19:11:09-04:00

I. LIGHTING POWER ALLOWANCE (per 140.7 / 170.2(e))

This table includes areas using allowance calculations per 140.7 / 170.2(e). General Hardscape Allowance is per Table 140.7-A/Table 170.2-A while "Use it or lose it" Allowances are per Table 140.7-B /Table 170.2-S. Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance. Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor lighting is included here.

	01 "Use it or lose it" Allowance (select all that apply) (select all that apply)				
	☒ General Hardscape Allowance Table I (below)	☐ Per Application Table J	☐ Sales Frontage Table K	☐ Ornamental Table L	☐ Per Specific Area Table M

Calculated General Hardscape Lighting Power Allowance per Table 140.7-A for Nonresidential & Hotel/Motel

02	03	04	05	06	07	08	09
Area Description	Area Wattage Allowance (AWA)			Linear Wattage Allowance (LWA)			Total General AWA + LWA
	Illuminated Area (ft^2)	Allowed Density (w/ft^2)	Area Allowance (Watts)	Perimeter Length (ft)	Allowed Density (W/ft)	Linear Allowance (Watts)	
South Davis Library	43000	0.019	817	1112	0.15	166.8	983.8
Initial Wattage Allowance for Entire Site (Watts):							200
Instances of Initial Wattage Allowance (L2 0 only)[1]							
Total General Hardscape Allowance (Watts):							1183.8

J. LIGHTING ALLOWANCE: PER APPLICATION

This section does not apply to this project.

K. LIGHTING ALLOWANCE: SALES FRONTAGE

This section does not apply to this project.

L. LIGHTING ALLOWANCE: ORNAMENTAL

This section does not apply to this project.

Generated Date/Time: Documentation Software: Energy Code Ace

STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-E
Project Name: South Davis Library	Report Page: (Page 8 of 10)
Project Address: 2700 Cowell Blvd Davis, CA 95616	Date Prepared: 2024-05-22T19:11:09-04:00

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA

This section does not apply to this project.

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)

This section does not apply to this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-LTO-E - Must be submitted for all buildings

Generated Date/Time: Documentation Software: Energy Code Ace

STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-E
Project Name: South Davis Library	Report Page: (Page 9 of 10)
Project Address: 2700 Cowell Blvd Davis, CA 95616	Date Prepared: 2024-05-22T19:11:09-04:00

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls are added to <= 20 luminaires.	South Davis Library: "SF1"; South Davis Library: "SF2"; South Davis Library: "SF2A"; South Davis Library: "SF2AD"; South Davis Library: "SF3"; South Davis Library: "SF3A"; South Davis Library: "SF4"; South Davis Library: "SF5"; South Davis Library: "SF6"; South Davis Library: "SF7"; South Davis Library: "SF8"; South Davis Library: "SF9"; South Davis Library: "SF10"

Generated Date/Time: Documentation Software: Energy Code Ace

STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-E
Project Name: South Davis Library	Report Page: (Page 10 of 10)
Project Address: 2700 Cowell Blvd Davis, CA 95616	Date Prepared: 2024-05-22T19:11:09-04:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name:	Jewellanna Langston	Documentation Author Signature:	Jewellanna Langston
Company:	The Engineering Enterprise	Signature Date:	05-22-2024
Address:	1125 High St	CEA/ HERS Certification Identification (if applicable):	
City/State/Zip:	Auburn, CA 95603	Phone:	916-549-3582

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. The building design features or system design features identified in this Certificate of Compliance will be made available to the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name:	Scott Wheeler	Responsible Designer Signature:	Scott Wheeler
Company:	The Engineering Enterprise	Date Signed:	05-22-2024
Address:	1125 High St	License:	EE01587
City/State/Zip:	Auburn, CA 95603	Phone:	530-886-8556

Generated Date/Time: Documentation Software: Energy Code Ace

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

South Davis Library
2700 COWELL BLVD
DAVIS, CA 95616

WMB Project No. 19-022

The Engineering Enterprise
CONSULTING ENGINEERS
ALAMEDA | AUBURN | LOS ANGELES | NEOSHO
SAN DIEGO | SANTA BARBARA
https://www.engent.com

REGISTERED PROFESSIONAL ENGINEER SCOTT WHEELER ELECTRICAL STATE OF CALIFORNIA

NOT FOR CONSTRUCTION

08.23.2024 BID SET

TITLE 24 OUTDOOR LIGHTING FORMS

E0.5

8/22/2024 4:15:57 PM Copyright WMB, Inc.

PROJECT GENERAL NOTES

GENERAL NOTES

1. ELECTRICAL SCOPE SHALL COMPLY WITH THE LATEST ADOPTED EDITIONS OF THE CALIFORNIA ELECTRIC CODE (CEC), CALIFORNIA BUILDING CODE (CBC), CALIFORNIA FIRE CODE (CFC), CALIFORNIA MECHANICAL CODE (CMC), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA 72) AND THE CALIFORNIA ENERGY CODE.
2. THE CONTRACTOR SHALL VISIT THE JOBSITE AND VERIFY ALL EXISTING CONDITIONS PRIOR TO BIDDING THE PROJECT AND SHALL INCLUDE IN THEIR BID THE NECESSARY COSTS TO CONSTRUCT THIS PROJECT IN ACCORDANCE WITH THE ELECTRICAL DRAWINGS, SPECIFICATIONS, AND ALL APPLICABLE CODES.
3. DRAWINGS INDICATE GENERAL ARRANGEMENT OF ELECTRICAL SYSTEMS AND WORK. FOLLOW THE DRAWINGS IN LAYING OUT WORK AND VERIFY EXACT LOCATIONS WITH ARCHITECTURAL FLOOR PLAN AND RCP DRAWINGS. ALSO, CHECK DRAWINGS OF OTHER TRADES TO VERIFY LOCATIONS OF EQUIPMENT AND RING ELECTRICAL CONNECTIONS AND COORDINATE SPACE CONDITIONS WITH THEIR INSTALLATION. FINAL LOCATIONS SHALL BE ADJUSTED TO MEET FIELD CONDITIONS.
4. NOT EVERY ELECTRICAL RACEWAY, BOX, CONDUCTOR, ETC., FOR A COMPLETE ELECTRICAL INSTALLATION IS SHOWN ON THESE DRAWINGS. THIS IS DONE FOR CLARITY PURPOSES AND EASE OF INTERPRETING DRAWINGS. PROVIDE ALL ADDITIONAL ITEMS REQUIRED TO MAKE THE ELECTRICAL SYSTEMS COMPLETE AND OPERATIONAL.
5. WORK PERFORMED UNDER THIS CONTRACT SHALL CONFORM TO THESE DRAWINGS AND SHALL ALSO COMPLY WITH THE ELECTRICAL SPECIFICATIONS. IN THE EVENT THAT THERE IS A DISCREPANCY BETWEEN THE DRAWINGS AND SPECIFICATIONS, THE MORE STRINGENT OF THE REQUIREMENTS SHALL TAKE PRECEDENT.
6. ALL NEW ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE UNDERWRITER'S LABORATORIES (UL) LISTED OR ELECTRICAL TESTING LABORATORIES (ETL) LISTED AND BEAR THEIR LABELS.
7. ALL ESCTRICAL MATERIALS SHALL BE NEW AND UNUSED, AND THE SAME MANUFACTURER OF LIKE EQUIPMENT AND/OR SYSTEMS.
8. CONTRACTOR SHALL REMOVE ALL LEFTOVER CONDUIT, WIRE, SCRAPS, ETC. AND LEAVE PREMISES CLEAN AND FREE OF TRASH AND DEBRIS RESULTING FROM THEIR WORK.

SITE

9. COORDINATE ALL INCOMING ELECTRICAL SERVICE WORK WITH THE SERVING POWER UTILITY COMPANY PRIOR TO ANY INSTALLATION. CALL FOR UTILITY COMPANY INSPECTIONS OF UNDERGROUND INSTALLATION PRIOR TO BACK-FILLING.
10. ALL ON-SITE PRIMARY AND SECONDARY INFRASTRUCTURE FOR SERVICE ENTRANCE INSTALLATION WORK OF POWER UTILITY COMPANY SHALL BE PROVIDED UNDER THIS CONTRACT. COORDINATE INSTALLATION WITH POWER UTILITY COMPANY'S STANDARDS AND SPECIFICATIONS.
11. POWER UTILITY COMPANY UNDERGROUND CONDUIT INSTALLATIONS SHALL UTILIZE 60" RADIUS HORIZONTAL BENDS AND 36" RADIUS VERTICAL BENDS FOR SECONDARY SERVICE LATERALS.
12. POURED-IN-PLACE OR PRECAST CONCRETE TRANSFORMER PADS FOR POWER UTILITY COMPANY SHALL BE PROVIDED BY CONTRACTOR AND SHALL BE IN FULL COMPLIANCE WITH UTILITY COMPANY'S STANDARDS AND SPECIFICATIONS.
13. COORDINATE ALL INCOMING TELEPHONE AND CATV SERVICE WORK WITH SERVING TELECOMMUNICATION UTILITY COMPANIES PRIOR TO ANY INSTALLATION. CALL FOR UTILITY COMPANY INSPECTIONS OF UNDERGROUND INSTALLATION PRIOR TO BACK-FILLING.
14. PRIOR TO COMMENCING ANY TRENCHING SCOPE ON-SITE, CONTACT THE UTILITIES UNDERGROUND SERVICE ALERT (USA) TO DETERMINE THE EXACT LOCATIONS OF ANY EXISTING UNDERGROUND UTILITY LINES, WHICH MIGHT GET DAMAGED DURING EXCAVATION. WHERE INTERFERENCE IS POSSIBLE, TRENCHING SHALL BE DONE BY HAND WITH SHOVELS.
15. MINIMUM CONDUIT TRADE SIZE FOR EXTERIOR APPLICATIONS SHALL BE 0.75", UNLESS OTHERWISE NOTED.
16. ALL UNDERGROUND BRANCH CIRCUIT CONDUITS SHALL HAVE A MINIMUM COVER OF 18", UNLESS OTHERWISE NOTED. INSTALL A WARNING/MARKER TAPE 6" OVER THE CONDUITS.
17. ALL UNDERGROUND FEEDER CONDUITS SHALL HAVE A MINIMUM COVER OF 24". WHERE FEEDER CONDUITS ARE INSTALLED UNDER ROADS OR PAVED SURFACE WITH VEHICLE TRAFFIC, THE MINIMUM COVER SHALL INCREASE TO 36". INCLUDE A MINIMUM 12" HORIZONTAL SEPARATION BETWEEN LOW-VOLTAGE AND LINE-VOLTAGE CONDUITS INSTALLED IN SAME TRENCH. INSTALL A WARNING/MARKER TAPE 12" OVER THE CONDUITS.
18. ALL UNDERGROUND CONDUITS ORIGINATING FROM BUILDING EXTERIOR AND TERMINATING IN ELECTRICAL EQUIPMENT WITHIN THE BUILDING INTERIOR SHALL BE SEALED AT BOTH ENDS AFTER CONDUCTORS ARE INSTALLED, TO PREVENT MOISTURE FROM COMING IN CONTACT WITH LIVE PARTS.
19. REFER TO LANDSCAPE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF SITE LIGHTING FIXTURES AND IRRIGATION CONTROLLERS.
20. SITE PULLBOXES FOR BRANCH CIRCUITING SHALL BE SIZED TO CODE MINIMUM REQUIREMENTS. OBTAIN APPROVAL FROM LANDSCAPE ARCHITECT FOR ANY PULLBOXES NEEDED TO FACILITATE SITE CONDUIT REQUIREMENTS.
21. PROVIDE CONCRETE BASES FOR ALL SITE POLE MOUNTED LUMINAIRES, BOLLARDS, AND SIGN LIGHTING, UNLESS OTHERWISE NOTED.

GROUNDING

22. ALL GROUNDING ELECTRODES WITHIN BUILDING OR STRUCTURE SHALL BE BONDED TOGETHER TO FORM A SINGLE GROUNDING ELECTRODE SYSTEM.
23. ALL SEPARATELY DERIVED SYSTEMS SHALL COMPLY WITH CODE, CEC 250.104, FOR BONDING TO METAL WATER PIPING AND STRUCTURAL METAL.
24. FURNISH, INSTALL, AND CONNECT A CODE SIZED INSULATED OR BARE COPPER GROUND CONDUCTOR IN ALL BRANCH CIRCUITS AND FEEDER CONDUITS AND/OR MC CABLES.
25. WHERE UNGROUNDED CONDUCTORS ARE INCREASED IN SIZE TO ACCOMMODATE VOLTAGE DROP, THE EQUIPMENT GROUND CONDUCTOR SHALL ALSO BE INCREASED IN SIZE PROPORTIONATELY, ACCORDING TO THE CIRCULAR MIL AREA OF UNGROUNDED CONDUCTORS.
26. ALL EQUIPMENT CONNECTED BY PERMANENT WIRING METHODS SHALL BE GROUNDED.

CONDUCTORS

27. BRANCH CIRCUIT CONDUCTORS SHALL BE SIZED TO PREVENT VOLTAGE DROP EXCEEDING 3% AT THE FARTHEST OUTLET OR DEVICE. THE MAXIMUM VOLTAGE DROP ALLOWED ON COMBINED FEEDERS AND BRANCH CIRCUITS SHALL NOT EXCEED 5% TO THE FARTHEST OUTLET OR DEVICE.
28. ALL CONDUCTORS 100AMP RATED OR HIGHER AMPACITY SHALL BE ALUMINUM AND CONDUCTORS RATED LESS THAN 100AMP SHALL BE COPPER.
29. CONDUCTORS 600VOLT OR LESS RATED SHALL UTILIZE THE AMPACITY OF THE 60-DEGREE C COLUMN OF CEC TABLE 310.16 FOR CONDUCTOR SIZES #14 AWG THROUGH #1 AWG. FOR CONDUCTOR SIZES OVER #1 AWG, UTILIZE AMPACITY FROM THE 75-DEGREE C COLUMN OF CEC TABLE 310.16.
30. MULTIWIRE BRANCH CIRCUITS SHALL ORIGINATE FROM THE SAME PANELBOARD.
31. MULTIWIRE BRANCH CIRCUITS SHALL BE PROVIDED WITH A MEANS TO SIMULTANEOUSLY DISCONNECT ALL ENERGIZED CONDUCTORS AT THE POINT WHERE THE BRANCH CIRCUIT ORIGINATES, I.E. HANDLE TIES OR MULTIPOLE CIRCUIT BREAKERS.
32. ALL MULTIWIRE BRANCH CIRCUITS SHOWN WITH THREE (3) CONSECUTIVE PHASE CONDUCTORS (E.G., 1,3,5 OR 4,6,8), NONE SHARING THE SAME PHASE, SHALL INCLUDE A DEDICATED NEUTRAL CONDUCTOR, THREE (3) HOTS AND ONE (1) NEUTRAL. CIRCUITING OUT OF PHASE ORDER (E.G., 1,5,7 OR 4,6,10) WILL REQUIRE AN ADDITIONAL NEUTRAL CONDUCTOR, TWO (2) HOTS AND ONE (1) NEUTRAL PLUS ONE (1) HOT AND ONE (1) NEUTRAL.
BRANCH CIRCUIT CONDUCTOR HOMERUNS SHALL BE INSTALLED IN CONDUIT. MC TYPE CABLE SHALL NOT BE USED FOR ANY HOMERUNS ON THIS PROJECT.
33. FEEDER CONDUCTORS SHALL BE INSTALLED IN CONDUIT, UNLESS OTHERWISE NOTED.
34. PROVIDE FEEDER CONDUCTOR SUPPORT IN VERTICAL RACEWAYS AS REQUIRED BY CODE, CEC 300.19.
35. WHERE MORE THAN THREE UNGROUNDED CONDUCTORS ARE ROUTED WITHIN A RACEWAY, THE CONTRACTOR SHALL APPLY THE DERATING FACTOR REQUIRED BY CODE.

RACEWAYS

36. MINIMUM CONDUIT TRADE SIZE FOR INTERIOR APPLICATIONS SHALL BE 0.5", UNLESS OTHERWISE NOTED.
37. CONDUIT ROUTING ON DRAWINGS IS ESSENTIALLY DIAGRAMMATIC. CONTRACTOR SHALL LAYOUT RUNS TO SUIT FIELD CONDITIONS, LIMITING BENDS AND BOXES, AND SHALL COORDINATE INSTALLATION WITH WORK OF OTHER TRADES.
38. ALL CONDUIT AND RACEWAY PENETRATIONS THROUGH FIRE-RATED WALLS OR FLOORS SHALL BE UL LISTED ASSEMBLIES THAT PROTECTS THE RATED ASSEMBLY. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF ALL RATED WALLS AND FLOORS AS APPLICABLE.
39. FOR CONDUITS IMBEDDED IN CONCRETE FLOOR SLABS OR DECKS, THE MAXIMUM CONDUIT TRADE SIZE SHALL NOT EXCEED 1.25" OR 1/3 OF FLOOR THICKNESS, WHICHEVER IT SMALLER. CONDUITS SHALL BE SPACES A MINIMUM OF 6" APART, CENTER-TO-CENTER. COORDINATE LOCATION AND ROUTING WITHIN FLOOR WITH THE STRUCTURAL ENGINEER PRIOR TO INSTALLATION.
40. ANY BLOCKOUTS AND SLEEVING OF CONCRETE FLOORS SHALL BE PLANNED IN ADVANCED AND COORDINATED WITH THE ARCHITECT AND STRUCTURAL ENGINEER FOR THEIR APPROVALS.
41. ALL CONNECTIONS TO MECHANICAL AND PLUMBING EQUIPMENT SHALL BE MADE WITH A MINIMUM OF 36" SEALTIGHT FLEXIBLE METAL CONDUIT TO PREVENT SOUND AND VIBRATION TRANSMISSION TO THE STRUCTURE.
42. BUILDING EXPANSION JOINTS ARE NOT INDICATED ON THE ELECTRICAL DRAWINGS AND SHALL BE COORDINATED WITH THE ARCHITECTURAL AND STRUCTURAL DRAWINGS. INCLUDE FLEXIBLE EXPANSION RACEWAY AND WIRING METHODS AT JOINT LOCATIONS TO MEET THE DEFLECTION AND EXPANSION REQUIREMENTS OF THE BUILDING.
43. PROVIDE INSULATING BUSHINGS OR INSULATED THROAT CONNECTORS AT BOTH ENDS OF ALL CONDUIT SLEEVES.
44. DRAWINGS INDICATE JUNCTION BOXES WITH CONDUIT/CONDUCTOR HOMERUNS FOR BRANCH CIRCUITING, AS WELL AS CIRCUIT NUMBERING ADJACENT TO EQUIPMENT, DEVICES, LUMINAIRES, AND BOXES SERVED. THEY DO NOT INCLUDE CONNECTIONS BETWEEN DEVICES AND/OR LUMINAIRES. CONTRACTOR SHALL PROVIDE ALL RACEWAY AND CONDUCTOR CONNECTIONS BETWEEN THE DEVICES, LUMINAIRES, AND JUNCTION BOXES AS REQUIRED AND COORDINATED WITH FIELD CONDITIONS AND OTHER TRADES.
45. MAINTAIN A MINIMUM OF 12" BETWEEN ELECTRICAL RACEWAYS AND LOW-VOLTAGE TELECOMMUNICATION SYSTEM CABLING, INCLUDING MC CABLING.
46. IN HARD-LID (GYPSUM BOARD) CEILING SPACES, ARRANGE CONDUIT AND CIRCUITING INSTALLATION TO AVOID AND/OR LIMIT THE USE OF JUNCTION BOXES IN OR ABOVE CEILINGS. USE OF JUNCTION BOXES ABOVE CEILINGS SHALL BE LIMITED TO LOCATIONS ACCESSIBLE FROM ACCESS PANELS.
47. ALL JUNCTION AND PULL BOXES SHALL BE SIZED PER CODE TO ACCOMMODATE NUMBER OF CONDUITS AND/OR CONDUCTORS ROUTED TO AND FROM BOXES.
48. RACEWAYS ROUTED IN EXPOSED CEILING AREAS SHALL BE RUN PARALLEL AND AT RIGHT ANGLES TO WALLS WITHIN SPACES. MC CABLE IS NOT ALLOWED IN EXPOSED CEILING SPACES.
49. PROVIDE A PULL WIRE/TAPE IN ALL EMPTY CONDUIT RUNS OVER 15' IN LENGTH.

PROJECT GENERAL NOTES (cont.)

ELECTRICAL EQUIPMENT

50. NO PIPING, DUCTWORK, OR EQUIPMENT FOREIGN TO ELECTRICAL EQUIPMENT SHALL BE ALLOWED WITHIN THE DEDICATED SPACE ABOVE ELECTRICAL EQUIPMENT.
51. REQUIRED ELECTRICAL EQUIPMENT WORKING SPACE DEPTH SHALL NOT BE LESS THAN THAT INDICATED IN CEC TABLE 110.26(A)(1). THE WIDTH OF THE WORKING SPACE IN FRONT OF THE ELECTRICAL EQUIPMENT SHALL BE THE WIDTH OF THE EQUIPMENT OR 30", WHICHEVER IS GREATER. THIS REQUIREMENT ALSO APPLIES TO DISCONNECT SWITCHES.
52. PROVIDE 0.5" DEFLECTION NEOPRENE PADS FOR FLOOR AND SUSPENDED TRANSFORMERS. MASON ND/HD OR EQUAL.
53. UPON COMPLETION OF THE POWER SYSTEM STUDY AND REVIEW BY THE ENGINEER, THE ELECTRICAL CONTRACTOR SHALL MAKE ANY REQUIRED ADJUSTMENTS TO THE ELECTRICAL EQUIPMENT SUBMITTALS IN CONFORMANCE WITH THE STUDIES RECOMMENDATIONS AND SUBMIT FOR REVIEW BY THE ENGINEER. NO ELECTRICAL EQUIPMENT SHALL BE RELEASED FOR SHIPMENT OR INSTALLED ON-SITE PRIOR TO ENGINEER'S REVIEW OF THE POWER SYSTEM STUDY AND APPROVED ADJUSTMENTS TO ELECTRICAL EQUIPMENT SUBMITTALS.
54. CONTRACTOR SHALL PROVIDE ARC FLASH LABELS FOR ALL ELECTRICAL EQUIPMENT WITHIN THE SCOPE OF THIS PROJECT. THESE LABELS SHALL BE GENERATED BY THE CONTRACTOR FROM THE POWER SYSTEM STUDY AND SUBMITTED WITH THE POWER SYSTEM STUDY SUBMITTAL FOR ENGINEER'S REVIEW. THIS INCLUDES ALL FIELD MARKING OF AIC VALUES ON ALL BOARDS PER THE CEC.
55. PROVIDE ENGRAVED NAMEPLATES FOR ALL ELECTRICAL PANELBOARDS, SWITCHBOARDS, SWITCHGEAR, TRANSFORMERS, AND DISCONNECT SWITCHES, AS DESCRIBED IN THE SPECIFICATIONS.
56. CONTRACTOR SHALL ENSURE THAT THE ELECTRICAL EQUIPMENT PROVIDED UNDER THEIR CONTRACTOR WILL FIT WITHIN THE ELECTRICAL ROOMS AND SPACES PROVIDED IN THE BID DOCUMENTS, WHETHER PROVIDED BY THE SPECIFIED EQUIPMENT MANUFACTURER OR NOT. NO ADDITIONAL COMPENSATION WILL BE CONSIDERED IF CONTRACTOR NEEDS TO ADJUST EQUIPMENT PACKAGE TO OBTAIN REDUCED DIMENISONS.
57. CONTRACTOR IS RESPONSIBLE FOR SUBMITTING REVISED LAYOUTS OF DISTRIBUTION EQUIPMENT IN ELECTRICAL ROOMS AND/OR SPACES, FOR APPROVAL BY ENGINEER, IF PROPOSED INSTALLATION DIFFERS FROM CONSTRUCTION DOCUMENTS. SUBMISSION MUST BE REVIEWED PRIOR TO RELEASE OF EQUIPMENT ORDER AND PRIOR TO INSTALLATION.
58. ALL INDOOR FLOOR AND/OR FREE-STANDING ELECTRICAL EQUIPMENT SHALL BE MOUNTED ON A 4" HIGH CONCRETE HOUSEKEEPING PAD, WITH THE EXCEPTION OF EQUIPMENT HOUSING PG&E METER, WHICH SHALL BE LIMITED TO A 2" HIGH CONCRETE HOUSING KEEPING PAD. ALL OUTDOOR ELECTRICAL EQUIPMENT SHALL BE MOUNTED ON A 6" HIGH HOUSEKEEPING PAD. HOUSEKEEPING PADS SHALL NOT EXTEND MORE THAN 2" PAST FRONT, REAR OR SIDE FACES OF EQUIPMENT MOUNTED ON PAD.
59. OVERCURRENT PROTECTION SHOWN ON DRAWINGS FOR ALL MOTOR TYPE LOADS ARE BASED ON DOCUMENTS PROVIDED PRIOR TO BID. CONTRACTOR SHALL REVIEW EQUIPMENT SUBMITTALS AND SHOP DRAWINGS FOR HVAC, PLUMBING, FIRE PROTECTION, ELEVATORS, ETC. TO CONFIRM SIZES HAVE NOT CHANGED AND MAKE ADJUSTMENTS IF THEY HAVE.
60. ALL OUTDOOR ELECTRICAL EQUIPMENT SHALL BE WEATHERPROOF (NEMA 3R RATED, MINIMUM) AND LISTED FOR EXTERIOR APPLICATIONS.
61. WIRING SPACE IN PANELBOARDS, DISTRIBUTION BOARDS, SWITCHBOARDS, AND SWITCHGEAR SHALL BE DEDICATED TO CONDUCTORS TERMINATED IN THAT ENCLOSURE AND SHALL NOT BE USED AS PULL AND/OR SPLICE BOXES FOR CONDUCTORS THAT TERMINATE IN OTHER ENCLOSURES.
62. ALL CIRCUIT BREAKERS SERVING THE FIRE ALARM CONTROL PANEL AND FIRE ALARM SYSTEM COMPONENTS SHALL HAVE LOCKABLE HANDLES AND SHALL BE RED IN COLOR, FOR EASE IN IDENTIFICATION.
63. PROVIDE PROTECTION FROM PHYSICAL DAMAGE FOR ALL ELECTRICAL EQUIPMENT, LUMINAIRES, WIRING DEVICES, ETC., DURING THE CONSTRUCTION OF THE PROJECT.
64. FIRE/SMOKE DAMPERS (FSD) SHALL CONTAIN A MOTOR RATED ACTUATOR REQUIRING A 20AMP, 120VOLT CONNECTION WITH A LOAD OF APPROXIMATELY 75WATTS PER ACTUATOR. DEPENDING ON THE PHYSICAL SIZE OF THE FSD, THERE MAY BE A REQUIREMENT FOR MORE THAN ONE ACTUATOR, REQUIRING MULTIPLE CONNECTIONS. THIS SHOULD BE VERIFIED WITH HVAC CONTRACTOR. MORE THAN ONE ACTUATOR ALSO MEANS MORE THAN ONE SET OF END SWITCHES, REQUIRING MULTIPLE FIRE ALARM CONNECTIONS.

WIRING DEVICES

65. PROVIDE A MINIMUM OF 24" HORIZONTAL SEPARATION BETWEEN BACK-TO-BACK RECEPTACLES IN A 2-HOUR RATED WALL. REFER TO ARCHITURAL DRAWINGS FOR LOCATIONS OF ALL 2-HOUR RATED WALLS.
66. MOUNTING HEIGHTS OF ALL WIRING DEVICES ARE DIMENSIONED TO THE CENTER OF THE DEVICE, UNLESS OTHERWISE NOTED.
67. PROVIDE INDIVIDUAL GFCI TYPE RECEPTACLES AT EACH LOCATION SHOWN ON DRAWINGS. DO NOT APPLY THE FEED-THROUGH METHOD OF PROTECTING A NON-GFCI RECEPTACLE DOWNSTREAM OF A GFCI RECEPTACLE.
68. PROVIDE GFCI TYPE RECEPTACLES WITH WEATHER RESISTANT "WHILE-IN-USE" COVERPLATES WITHIN 25' OF ALL EXTERIOR HVAC AND PLUMBING EQUIPMENT.
69. ALL DRINKING FOUNTAIN RECEPTACLES SHALL BE GFCI TYPE.
70. WHERE RECEPTACLES ARE LOCATED OUTSIDE OR IN WET/DAMP LOCATIONS, PROVIDE WEATHERPROOF WHILE-IN-USE COVERPLATES.
71. ALL WIRING DEVICES AND JUNCTION BOX COVERS SHALL HAVE TYPE-ON-TAPE LABELS INDICATING THE PANELBOARD AND CIRCUIT NUMBER(S) SERVING EACH DEVICE.
72. CONTRACTOR SHALL SIZE ALL JUNCTION AND PULL BOXES PER THE MINIMUM CODE REQUIREMENTS OF CEC ARTICLE 314, UNLESS OTHERWISE NOTED ON DRAWINGS.
73. CORE DRILLING OF CONCRETE FLOORS FOR INSTALLATION OF POKE-THROUGH DEVICES SHALL BE PLANNED IN ADVANCE AND COORDINATED WITH ARCHITECT AND STRUCTURAL ENGINEER. X-RAYING OF FLOOR MAY BE REQUIRED, IF POST-TENSION SLAB, TO ENSURE THAT CORE DRILLING DOES NOT INTERFER WITH STRUCTURAL MEMBERS WITHIN SLAB.

LIGHTING

74. CONTRACTOR SHALL CONFIRM THAT ALL LUMINAIRES SPECIFIED WITH TRIMS AND FRAMES ARE COMPATIBLE WITH THE ASSOCIATED CEILING TYPES, PRIOR TO PREPARING SUBMITTAL.
75. CONTRACTOR SHALL REFER TO ARCHITECTURAL REFLECTED CEILING PLANS (RCP) FOR EXACT LOCATIONS OF ALL CEILING MOUNTED LUMINAIRES.
76. CONTRACTOR SHALL REFER TO ARCHITECTURAL ELEVATION PLANS FOR EXACT LOCATIONS OF ALL WALL MOUNTED LIGHTING FIXTURES.
77. LUMINAIRES MOUNTED IN CONTINUOUS ROWS SHALL BE THROUGH-WIRED WITHIN FIXTURE INTERNAL WIREWAY CHASE WITH CIRCUITS AND CONTROLS AS NOTED ON DRAWINGS. LUMINAIRES NOT LISTED FOR THROUGH-WIRING SHALL BE WIRED WITH SEPARATE RACEWAY AND WIRING EXTERNAL TO THE LIGHTING FIXTURES.
78. ALL 0-10V LIGHTING CONTROL CABLING, ROUTED WITHIN SAME CONDUIT AS LINE-VOLTAGE PHASE CONDUCTORS, SHALL BE 600VOLT RATED TO MATCH CONDUCTORS.
79. EMERGENCY LIGHTING SHALL BE PROVIDED THROUGHOUT THE EGRESS PATHWAY TO ILLUMINATION LEVELS OF 1 FOOT-CANDLE AVERAGE AT THE WALKING SURFACE, WITH NO POINT BEING LESS THAN 0.1 FOOT-CANDLE MINIMUM, A MAXIMUM-TO-MINIMUM RATIO 40-TO-1, NOT TO EXCEED.
80. THE SUBSCRIPT ON SWITCHES "Sa" DENOTES THE LUMINAIRES CONTROLLED, WHICH IS ALSO FOUND ADJACENT TO THE CIRCUIT NUMBER AT EACH LUMINAIRE CONTROLLED BY SWITCH.

TITLE 24 LIGHTING CONTROLS

81. CONTROLS SHALL MEET THE REQUIREMENTS OF CALIFORNIA TITLE 24, OF THE CURRENTLY ADOPTED EDITION.
82. PROVIDE INDEPENDENT SWITCHING OR CONTROL DEVICE FOR EACH AREA ENLCOSED BY CEILING HEIGHT PARTITION WALLS.
83. THE CALIFORNIA ENERGY CODE SECTION 10-103 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY INSTALLED LIGHTING CONTROLS, MECHANICAL SYSTEMS, ENVELOPES, AND PROCESS EQUIPMENT AFTER INSTALLATION AND BEFORE PROJECT COMPLETION. AN ACCEPTANCE TEST IS A FUNCTIONAL PERFORMANCE TEST TO HELP ENSURE THAT NEWLY INSTALLED EQUIPMENT IS OPERATING AND IN COMPLIANCE WITH THE ENERGY CODE.
84. LIGHTING CONTROLS ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED LIGHTING CONTROLS ACCEPTANCE TEST TECHNICIAN (ATT).
85. A LISTING OF CERTIFIED ATT CAN BE FOUND AT: HTTPS://WWW.ENERGY.CA.GOV/PROGRAMS-AND-TOPICS/PROGRAMS/ACCEPTANCE-TEST-TECHNICIAN-CERTIFICATION-PROVIDER-PROGRAM/ACCEPTANCE
86. THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES MUST BE CORRECTED BY THE BUILDER OR INSTALLING CONTRACTOR UNTIL THE CONSTRUCTION/INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA. PROJECT INSPECTORS WILL COLLECT THE FORMS TO CONFIRM THAT THE REQUIRED ACCEPTANCE TESTS HAVE BEEN COMPLETED.
87. MULTI-LEVEL LIGHTING CONTROL IS REQUIRED FOR ALL GENERAL LIGHTING IN ENCLOSED SPACES, 100 SQUARE FEET OR LARGER, WITH A CONNECTED LOAD EXCEEDING 0.5W/SQFT. PROVIDE CONTROLS AS FOLLOWS:
    - LOCAL MANUAL DIMMING VIA DIMMING SWITCH.
    - CENTRAL MANUAL DIMMING VIA DIMMING MODULE AT THE LIGHTING CONTROL PANEL AND LOCAL DIMMING SWITCH.
    - AUTOMATIC DAYLIGHT HARVESTING IN BOTH PRIMARY AND SECONDARY DAYLIGHT ZONES.
88. AUTOMATIC SHUT-OFF CONTROL FOR ALL INTERIOR LIGHTING TO INCLUDE OCCUPANCY SENSORS AND/OR TIMECLOCKS WITH OVERRIDE SWITCHES.

SURVIVABILITY

91. THE FIRE ALARM SYSTEM SHALL MAINTAIN 2-HOUR SURVIVABILITY PROTECTION WHERE REQUIRED BY CODE. THIS SHALL BE DOCUMENTED IN A SEPERATE DEFERRED SUBMITTAL.
92. NORMAL UTILITY SERVICE ENTRANCE LATERAL FEEDERS SHALL MEET THE REQUIREMENTS OF CEC 230.6.

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

South Davis Library
2700 COWELL BLVD
DAVIS, CA 95616

WMB Project No. 19-022

The Engineering Enterprise
CONSULTING ENGINEERS
ALAMEDA | AUBURN | LOS ANGELES | NEOSHO
SAN DIEGO | SANTA BARBARA
https://www.engent.com

REGISTERED PROFESSIONAL ENGINEER
ROGER FREELER
ELECTRICAL
STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

08.23.2024	BID SET

PROJECT NOTES

E0.6

8/22/2024 4:15:57 PM Copyright WMB, Inc.

MECHANICAL EQUIPMENT COORDINATION SCHEDULE

GENERAL NOTES:
A. REFER TO FEEDER SCHEDULE FOR CONDUCTOR AND CONDUIT REQUIREMENTS.
B. WHERE FEEDERS ARE INSTALLED IN AMBIENT TEMPERATURES ABOVE 30 DEGREES C (86 DEGREES F) APPLY CORRECTION FACTORS PER CEC 310.15(B)(2).
C. CONTRACTOR SHALL FIELD VERIFY NAMEPLATE MCA AND MOCP RATINGS OF SUBMITTED/INSTALLED EQUIPMENT AND REPORT DISCREPANCIES TO THE ENGINEER.
D. CONTRACTOR INSTALLED FUSES SHALL BE COORDINATED WITH THE EQUIPMENT NAMEPLATE AND MANUFACTURER'S INSTALLATION INSTRUCTIONS.
DISCONNECT TYPES: SM = MOTOR RATED SWITCH, F = FUSED, NF = NON-FUSED
REMARKS:
1. POWERED THROUGH OUTDOOR UNIT. REFER TO MANUFACTURER'S WIRING INSTRUCTIONS.
2. FEEDER HAS BEEN UPSIZED TO ACCOUNT FOR VOLTAGE DROP.

		ELECTRICAL DATA							DISCONNECT				STARTER			VFD				
EQUIP TAG	DESCRIPTION	VOLTAGE	PH	MOCP	MCA	FLA	HP	kVA	RATING	TYPE	FUSE	DIVISION (FURN/INST)	NEMA SIZE	COMBO DISC	DIVISION (FURN/INST)	COMBO DISC	DIVISION (FURN/INST)	PANEL - CKT NUMBER	FEEDER SIZE	REMARKS
BS-1	BRANCH SELECTOR	208 V	1	15 A	1 A	0 A	0	0.05 kVA	20 A	SM	-	-	-	-	-	-	-	L1D-1,3	203	
BS-2	BRANCH SELECTOR	208 V	1	15 A	0.7 A	0 A	0	0 kVA	20 A	SM	-	-	-	-	-	-	-	L1D-37,39	203	
BS-3	BRANCH SELECTOR	208 V	1	15 A	1 A	0 A	0	0 kVA	20 A	SM	-	-	-	-	-	-	-	L1C-41,43	203	
CP-1	CIRCULATION PUMP	120 V	1	0 A	0 A	0 A	0	0.07 kVA	-	SM	-	-	-	-	-	-	-	L1C-45	202	
EF-1	FAN	120 V	1	15 A	5.5 A	4.4 A	0.1	0.53 kVA	20 A	F	5.6 AF	-	-	-	-	-	-	L1D-20	202	
ERV-1	ENERGY RECOVERY VENTILATOR	208 V	1	25 A	20.7 A	0 A	0	0 kVA	30 A	F	25 AF	-	-	-	-	-	-	L1D-41,43	203	
ERV-2	ENERGY RECOVERY VENTILATOR	120 V	1	20 A	9.9 A	0 A	0	0 kVA	20 A	SM	-	-	-	-	-	-	-		202	
EUH-1	ELECTRICAL UNIT HEATER	208 V	1	15 A	7.22 A	0 A	0	0 kVA	20 A	SM	-	-	-	-	-	-	-	L1D-53,55	203	
EWH-1	ELECTRIC WATER HEATER	208 V	1	70 A	31.25 A	25 A	0	5.2 kVA	20 A	SM	-	-	-	-	-	-	-	L1C-47,49	203	
FCU-1	FAN COIL UNIT	208 V	1	15 A	0.5 A	0.5 A	0	0.1 kVA	20 A	SM	-	-	-	-	-	-	-	L1C-1,3	203	
FCU-2	FAN COIL UNIT	208 V	1	15 A	1.91 A	1.91 A	0	0.4 kVA	20 A	SM	-	-	-	-	-	-	-	L1D-17,19	203	
FCU-3	FAN COIL UNIT	208 V	1	15 A	0.5 A	0.5 A	0	0.1 kVA	20 A	SM	-	-	-	-	-	-	-	L1C-5,7	203	
FCU-4	FAN COIL UNIT	208 V	1	15 A	0.5 A	0.5 A	0	0.1 kVA	20 A	SM	-	-	-	-	-	-	-	L1C-9,11	203	
FCU-5	FAN COIL UNIT	208 V	1	15 A	0.5 A	0.5 A	0	0.1 kVA	20 A	SM	-	-	-	-	-	-	-	L1D-21,23	203	
FCU-6	FAN COIL UNIT	208 V	1	15 A	2.31 A	2.31 A	0	0.48 kVA	20 A	SM	-	-	-	-	-	-	-	L1D-25,27	203	
FCU-7	FAN COIL UNIT	208 V	1	15 A	1.1 A	1.1 A	0	0.23 kVA	20 A	SM	-	-	-	-	-	-	-	L1C-13,15	203	
FCU-8	FAN COIL UNIT	208 V	1	15 A	3.39 A	3.39 A	0	0.71 kVA	20 A	SM	-	-	-	-	-	-	-	L1D-29,31	203	
FCU-9	FAN COIL UNIT	208 V	1	15 A	3.56 A	3.56 A	0	0.74 kVA	20 A	SM	-	-	-	-	-	-	-	L1D-33,35	203	
FCU-10	FAN COIL UNIT	208 V	1	15 A	0.5 A	0 A	0	0 kVA	20 A	SM	-	-	-	-	-	-	-	L1C-17,19	203	
FCU-11	FAN COIL UNIT	208 V	1	15 A	3.56 A	3.56 A	0	0.74 kVA	20 A	SM	-	-	-	-	-	-	-	L1C-21,23	203	
FCU-12	FAN COIL UNIT	208 V	1	15 A	3.56 A	3.56 A	0	0.74 kVA	20 A	SM	-	-	-	-	-	-	-	L1C-25,27	203	
FCU-13	FAN COIL UNIT	208 V	1	15 A	3.56 A	3.56 A	0	0.74 kVA	20 A	SM	-	-	-	-	-	-	-	L1C-29,31	203	
FCU-14	FAN COIL UNIT	208 V	1	15 A	3.39 A	3.39 A	0	0.71 kVA	20 A	SM	-	-	-	-	-	-	-	L1C-33,35	203	
FCU-15	FAN COIL UNIT	208 V	1	15 A	3.39 A	3.39 A	0	0.71 kVA	20 A	SM	-	-	-	-	-	-	-	L1C-37,39	203	
FCU-16	FAN COIL UNIT	208 V	1	15 A	2.23 A	2.23 A	0	0.46 kVA	20 A	SM	-	-	-	-	-	-	-	L1C-2,4	203	
FSD-1	FIRE SMOKE DAMPER	120 V	1	15 A	100 A	0.5 A	0	0.06 kVA	20 A	SM	-	-	-	-	-	-	-	L1E-8	1003	
FSD-2	FIRE SMOKE DAMPER	120 V	1	15 A	100 A	0.5 A	0	0.06 kVA	20 A	SM	-	-	-	-	-	-	-	L1E-8	1003	
FSD-3	FIRE SMOKE DAMPER	120 V	1	15 A	100 A	0.5 A	0	0.06 kVA	20 A	SM	-	-	-	-	-	-	-	L1E-8	1003	
HP-1A	HEAT PUMP	208 V	3	40 A	34.2 A	34.2 A	0	12.31 kVA	60 A	F	40 AF	-	-	-	-	-	-	L1D-5,7,9	403	
HP-1B	HEAT PUMP	208 V	3	40 A	34.2 A	34.2 A	0	12.31 kVA	60 A	F	40 AF	-	-	-	-	-	-	L1D-11,13,15	403	
HP-2A	HEAT PUMP	208 V	3	60 A	52.1 A	52.1 A	0	18.75 kVA	60 A	F	60 AF	-	-	-	-	-	-	L1C-6,8,10	503	
HP-2B	HEAT PUMP	208 V	3	50 A	45.4 A	45.4 A	0	16.34 kVA	60 A	F	50 AF	-	-	-	-	-	-	L1C-12,14,16	503	
IWH-1	INSTANTANEOUS WATER HEATER	208 V	1	0 A	0 A	0 A	0	8.32 kVA	-	SM	-	-	-	-	-	-	-	L1D-2,4	203	
IWH-2	INSTANTANEOUS WATER HEATER	208 V	1	0 A	0 A	0 A	0	4.16 kVA	-	SM	-	-	-	-	-	-	-	L1D-6,8	203	
IWH-3	INSTANTANEOUS WATER HEATER	208 V	1	0 A	0 A	0 A	0	8.32 kVA	-	SM	-	-	-	-	-	-	-	L1D-10,12	203	
SAC-1	SPLIT SYSTEM INDOOR UNIT	208 V	1	0 A	0 A	0 A	0	0 kVA	-	SM	-	-	-	-	-	-	-	L1C-18,20	-	1
SAC-2	SPLIT SYSTEM INDOOR UNIT	208 V	1	0 A	0 A	0 A	0	0 kVA	-	SM	-	-	-	-	-	-	-	L1D-45,47	-	1
SCU-1	SPLIT SYSTEM OUTDOOR UNIT	208 V	1	35 A	25 A	0 A	0	0 kVA	60 A	F	35 AF	-	-	-	-	-	-		302	
SCU-2	SPLIT SYSTEM OUTDOOR UNIT	208 V	1	35 A	25 A	0 A	0	0 kVA	60 A	F	35 AF	-	-	-	-	-	-	L1D-49,51	303	
TP-2	TRAP PRIMER	120 V	1	0 A	0 A	0 A	0	0 kVA	-	SM	-	-	-	-	-	-	-		-	

GENERAL NOTES:
A. REFER TO FEEDER SCHEDULE FOR CONDUCTOR AND CONDUIT REQUIREMENTS.
B. WHERE FEEDERS ARE INSTALLED IN AN AMBIENT ENVIRONMENT TEMPERATURE ABOVE 30 DEGREES C (86 DEGREES F), APPLY CORRECTION FACTORS PER CEC 310.15(B)(2).
C. CONTRACTOR SHALL FIELD VERIFY NAMEPLATE MCA AND MOCP RATINGS OF SUBMITTED/INSTALLED MECHANICAL EQUIPMENT AND REPORT DISCREPANCIES TO THE ENGINEER.
D. ALL ROOFTOP AND OUTDOOR EQUIPMENT DISCONNECTS SHALL BE NEMA 3R.
E. REFER TO ONE-LINE DIAGRAM, SHEET E6.1, FOR FEEDER INFORMATION.

REMARKS:
1. POWERED THROUGH OUTDOOR UNIT. REFER TO MANUFACTURER'S WIRING INSTRUCTIONS.

RELAY PANEL SCHEDULE

PANEL NAME:	LCP			VOLTAGE:	FEED-THROUGH		MOUNTING:	SURFACE	
LOCATION:	MAIN ELECTRICAL ROOM			INPUT POWER:	120V		ENCLOSURE:	NEMA 1, IP20	
CONTROL RELAY			CIRCUIT CONTROLLED				EXTERNAL CONTROL		
NUMBER	VOLTAGE	AMP	PANEL	CIRCUIT	ZONE	AREA SERVED	ON	OFF	CONTROL SCHEME
1	120V	20	L1A	11	R1	PARKING LOT LIGHTS	PHOTOCELL	TIME CLOCK	TURN OFF 30 MIN AFTER SUNRISE
2	120V	20	L1A	11	R2	PATHWAY LIGHTS	PHOTOCELL	TIME CLOCK	TURN OFF 30 MIN AFTER SUNRISE
3	120V	20	L1A	11	R3	SIGN/ART LIGHTS	PHOTOCELL	TIME CLOCK	TURN OFF 30 MIN AFTER SUNRISE TURN OFF BETWEEN HOURS 12AM-4AM
4	120V	20	L1A	11	R4	COLUMN/FACADE/TREE LIGHTS	PHOTOCELL	TIME CLOCK	TURN OFF 30 MIN AFTER SUNRISE TURN OFF BETWEEN HOURS 12AM-4AM
5	120V	20	L1A	11	R5	BUILDING EXTERIOR EGRESS LIGHTS	PHOTOCELL	TIME CLOCK	TURN OFF 30 MIN AFTER SUNRISE
6	120V	20	L1A	3,5	R6	COLLECTION ROOM	TIME CLOCK	TIME CLOCK	TURN ON 15 MINUTES BEFORE OPERATING HOURS TURN OFF 30 MINUTES AFTER OPERATING HOURS

FLOOR BOX SCHEDULE

FLOOR BOX ID (FB - ##)	QTY	MANUFACTURER	MODEL	# SPACES/ GANGS	GANG 1 DEVICE	CONDUIT SIZE GANG 1	GANG 2 DEVICE	CONDUIT SIZE GANG 2	GANG 3 DEVICE	CONDUIT SIZE GANG 3	GANG 4 DEVICE	CONDUIT SIZE GANG 4	GANG 5 DEVICE	CONDUIT SIZE GANG 5	GANG 6 DEVICE	CONDUIT SIZE GANG 6
1A		FSR INC.	FL-500P-6-B OR EQUAL	6	DUPLEX RECT.	0.75	DUPLEX RECT.	N/A	DUPLEX RECT.	N/A	2- DATA	1.00"	2- DATA	1.00"	2- DATA	1.00"
1B		FSR INC.	FL-200-2 OR EQUAL	2	DUPLEX RECT.	0.75	DUPLEX RECT.	N/A								

Lighting Sequence of Operations

AREAS	DESIGN CRITERIA			SWITCH DETAILS			OCCUPANCY SENSOR SETTINGS						DAYLIGHT HARVESTING CONTROLS			
ROOM TYPE	NETWORKED OR STAND-ALONE CONTROLS	DIMMING PROTOCOL	AREA CONTROLS	LOCATION	TYPE	SHUT-OFF CONTROLS	ENTERING SPACE		VACATING SPACE		TIME-OUT PERIOD	AUTO DAYLIGHT CONTROLS	TYPE	@ >150% DESIGN ILLUMINANCE	REMARKS
Meeting/Private Office Rooms	Networked	0-10V Dimming	Manual - ON/OFF, DIM	Local - Within Space	Digital Single Zone Dimmer	Occupancy Sensor Integrated into Wall Switch	Partial Auto-ON	70% Output	Full Auto-OFF	0% Output	20-minutes	N/A	N/A	N/A	2.
Toilet Rooms	Stand-Alone	0-10V Dimming	Manual - ON/OFF, DIM	Local - Within Space	Analog Single Level Switch	Occupancy Sensor Integrated into Wall Switch	Partial Auto-ON	70% Output	Full Auto-OFF	0% Output	20-minutes	N/A	N/A	N/A	
Fire/IT/Storage/Janitor's/ Lactation Rooms	Stand-Alone	0-10V Dimming	Manual - ON/OFF, DIM	Local - Within Space	Analog Single Level Dimmer	Occupancy Sensor Integrated into Wall Switch	Partial Auto-ON	70% Output	Full Auto-OFF	0% Output	20-minutes	N/A	N/A	N/A	2.
Electrical Room	Stand-Alone	None	Manual - ON/OFF	Local - Within Space	Analog Single-Pole, Single-Throw	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Multipurpose Room	Networked	0-10V Dimming	Manual - ON/OFF, DIM	Local - Within Space	Digital Scene Controller	Ceiling Mounted Occupancy Sensor	Partial Auto-ON	70% Output	Full Auto-OFF	0% Output	20-minutes	N/A	N/A	N/A	
Open Office	Networked	0-10V Dimming	Manual - ON/OFF, DIM	Local - Within Space	Digital Multi-Zone Dimmer	Ceiling Mounted Occupancy Sensor	Auto-ON	70% Output	Full Auto-OFF	0% Output	20-minutes	Skylit Daylight Zone	Open Loop	Maximum Reduction of 90%	2.
Private Offices	Networked	0-10V Dimming	Manual - ON/OFF, DIM	Local - Within Space	Digital Single Zone Dimmer	Ceiling Mounted Occupancy Sensor	Partial Auto-ON	70% Output	Full Auto-OFF	0% Output	20-minutes	N/A	N/A	N/A	2.
Collection Room	Networked	0-10V Dimming	Manual - ON/OFF, DIM	Local - Within Space	Digital Scene Controller	Central Astronimical Time-Clock	N/A	N/A	N/A	N/A	N/A	Primary Sidelit Daylight Zone Secondary Sidelit Daylight Zone	Closed Loop	Maximum Reduction of 90%	2.,3.,4.
Restrooms	Networked	None	Manual - ON/OFF	Local - Within Space	Digital Single-Zone Switch	Ceiling Mounted Occupancy Sensor	Auto-ON	90% Output	Auto-OFF	0% Output	20-minutes	N/A	N/A	N/A	
Break/Receiving/Hallway/ Kids Multi-Purpose Rooms	Networked	0-10V Dimming	Manual - ON/OFF, DIM	Local - Within Space	Digital Single-Zone Dimmer	Ceiling Mounted Occupancy Sensor	Auto-ON	70% Output	Full Auto-OFF	0% Output	20-minutes	N/A	N/A	N/A	
Hallway/Kids Multi-Purpose Rooms	Networked	0-10V Dimming	Manual - ON/OFF, DIM	Local - Within Space	Digital Single Zone Dimmer	Ceiling Mounted Occupancy Sensor	Auto-ON	100% Output	Auto-OFF	0% Output	20-minutes	N/A	N/A	N/A	

1. Auto-Off to 0% Output during non-operating hours
2. Controlled receptacles within space, see power drawings.
3. Program to library hours of operation.
4. Provide 2-hour manual override programming at each switch in space for after hours.

LUMINAIRE SCHEDULE

LUMINAIRE SCHEDULE NOTES:
REFER TO SPECIFICATION "265000 LIGHTING" FOR DETAILS ON TIER REQUIREMENTS. IN ABSENCE OF SPECIFICATION SECTION, REFER TO THE FOLLOWING TIER DEFINITIONS:

TIER 1 (LEGACY CRI 90): FOR APPLICATIONS WHERE COLOR FIDELITY IS CRITICAL, SUCH AS MUSEUMS, GALLERIES, HIGH-END RESIDENTIAL, ETC.
R9 VALUE; MINIMUM 80. TM30 VALUES; Rf>85, 95<Rg<105.

TIER 2 (LEGACY CRI 80): FOR APPLICATIONS WHERE COLOR FIDELITY IS IMPORTANT, SUCH AS OFFICES, SCHOOLS, GENERAL INTERIOR AREAS, ETC.
R9 VALUE; MINIMUM 30. TM30 VALUES; Rf >75, 92<Rg<110.

TIER 3 (LEGACY CRI 70): FOR APPLICATIONS WHERE COLOR FIDELITY IS NOT CRITICAL, SUCH AS EXTERIOR PARKING AND AREA LIGHTING, WAREHOUSES, ETC.
R9 VALUE; MINIMUM 20. TM30 VALUES; Rf >70, 80<Rg<120.

TYPE	MANUFACTURER CATALOG NUMBER	DESCRIPTION	LIGHT SOURCE	DRIVER, TRANSFORMER	WATTAGE	VOLTAGE
F1	ALIGHT LEAN-I-LS-35-U-XXX-D OR APPROVED EQUAL	2X2 ACOUSTIC LAY-IN TROFFER. ACOUSTICAL PANEL COLOR AS SELECTED BY ARCHITECT.	2611 LUMEN 3500K LED	0-10V DIMMING	28 W	UNIV
F2	METALUX 4SNX-33SL-LN-UNV-L835-CD-1 OR APPROVED EQUAL	4' SURFACE LED STRIP LUMINAIRE WITH SEMI FROSTED LENS. PROVIDE STANDARD WHITE FINISH.	3031 LUMEN 3500K LED	0-10V DIMMING	21.1 W	UNIV
F2A	METALUX 8SNX-66SL-LN-UNV-L835-CD-1 OR APPROVED EQUAL	SAME AS F2, EXCEPT 8'.	6062 LUMEN 3500K LED	0-10V DIMMING	42.2 W	UNIV
F2b	METALUX 4SNX-33SL-LN-UNV-L835-CD-1 OR APPROVED EQUAL	SAME AS F3, EXCEPT WALL MOUNTED.	3031 LUMEN 3500K LED	0-10V DIMMING	21.1 W	UNIV
F3	PINNACLE AD22-A-835LO-G1-U-FSD-1-0-W OR APPROVED EQUAL	2X2 ARCHITECTURAL RECESSED TROFFER.	2190 LUMEN 3500K LED	0-10V DIMMING	19.6 W	UNIV
F4	GOTHAM ICO4-35/05-XX-LD-45D-120-GZ10 OR APPROVED EQUAL	4" ADJUSTABLE RECESSED DOWNLIGHT. FINISH OR COLOR AS SELECTED BY ARCHITECT.	500 LUMENS 3500K LED	0-10V DIMMING	6.7 W	UNIV
F5	SENSO 625-A90-724-35-15-01-01-955-01-03-01-XX-277 OR APPROVED EQUAL	2.5" SURFACE MOUNT SPOTLIGHT WITH 4" STEM. COLOR:WHITE. ROUND SLIM CANOPY.	1500 LUMENS 3500K LED	0-10V DIMMING	14 W	120 V
F6	DME M4NCRN-MD-07-9-35-GA-O-M4TRS-FIN OR APPROVED EQUAL	4" ROUND DOWNLIGHT	750 LUMENS 3500K LED	0-10V DIMMING	11.8 W	UNIV
F7	AXIS TB3SLED-550-80-35-1.25M-12-M16LED8(#)-W-UNV-DP-1-S OR APPROVED EQUAL	12' SURFACE MOUNTED ALUMINUM HOUSING LINEAR LUMINAIR WITH WHITE FINISH. WITH A 1.5" DOWNSTEP AND DRY AND DAMP RATED FOR INDOOR USE.	6600 LUMENS 3500K LED	0-10V DIMMING	65 W	UNIV
F7A	AXIS TB3SLED-1100-80-35-1.25M-4-M16LED8(#)-W-UNV-DP-1-S OR APPROVED EQUAL	SAME AS F7, EXCEPT 4' IN LENGTH.	4400 LUMENS 3500K LED	0-10V DIMMING	33.6 W	UNIV
F7B	AXIS TB3SLED-1100-80-35-1.25M-4-M16LED8(#)-W-UNV-DP-1-S OR APPROVED EQUAL	SAME AS F7, EXCEPT 3' IN LENGTH	3300 LUMENS 3500K LED	0-10V DIMMING	25.2 W	UNIV
F8	PRUDENTIAL BROP4-PER-FLSH-LED35-MO-R14-TMW-TMW-PFL-WTW-SC-UNV-X3-nLight-Air OR APPROVED EQUAL	14' RECESSED LINEAR LED LUMINAIREWITH AN EXTRUDED ALUMINUM TRIM AND SIDE WALL.	9940 LUMENS 3500K LED	N/A	53.2 W	UNIV
F9	AXIS PSKDI-R-AS-AF-500-80-35-S(8)-AP-UNV-DP-1 OR APPROVED EQUAL	8' KNIFE EDGE DI WALL MOUNTED LUMINAIRE. EXTRUDED ALUMINUM HOUSING WITH ALUMINUM PAINT SHEET STEEL.	4000 LUMENS 3500K LED	0-10V DIMMING	38 W	UNIV
F9A	AXIS PSKDI-R-AS-AF-500-80-35-4-AP-UNV-DP-1 OR APPROVED EQUAL	SAME AS F9, EXCEPT 4' IN LENGTH.	2000 LUMENS 3500K LED	0-10V DIMMING	19 W	UNIV
F10	PRUDENTIAL MIC-PRO-LED35-MO-R35-SC-UNV-DM01 OR APPROVED EQUAL	LED COVE LUMINAIRE WITH EXTRUDED ALUMINUM HOUSING, 20-GAGE STEEL END CAPS AND EXTRUDED ACRYLIC LENSES WITH PruOptical PRISMS.	26775 LUMENS 3500K LED	0-10V DIMMING	227.5 W	UNIV
F10A	PRUDENTIAL MIC-PRO-LED35-MO-R9-SC-UNV-DM01 OR APPROVED EQUAL	SAME AS F10, EXCEPT 9' IN LENGTH.	6885 LUMENS 3500K LED	0-10V DIMMING	58.5 W	UNIV
F11	PRUDENTIAL BPRO4-LIN-FLSH-LED35-MO-8'-TMW-LGP-SYM-TG-SC-UNV-CAXX"-DM01 OR APPROVED EQUAL	8' LINEAR LUMINAIRE	TBD LUMENS 3500K	0-10V DIMMING	89.6 W	UNIV
F11A	PRUDENTIAL BPRO4-LIN-FLSH-LED35-MO-8'-TMW-LGP-SYM-TG-SC-UNV-CAXX"-DM01 OR APPROVED EQUAL	SAME AS F11, EXCEPT RECESSED IN HARD LID SOFFIT.	TBD LUMENS 3500K	0-10V DIMMING	89.6 W	UNIV
F12	PRUDENTIAL BSQ-PRO-22-LED35-MO-SAL-DB05-TMW-UNV-CAXX"-X1-DM01 OR APPROVED EQUAL	2X2 TROFFER, NO ACOUSTICAL PANEL - JUST OPEN	6500 LUMENS 3500K LED	0-10V DIMMING	52 W	UNIV
F13	TBD	DOWNLIGHT FOR DISPLAY CASE TBD		0-10V DIMMING	33 W	UNIV
F14	PRUDENTIAL BSQ-44-LED35-LO-SAL-TMW-UNV-CA48 OR APPROVED EQUAL	PENDANT MOUNTED CONTINUOUS LINEAR SQUARE WITH 4 FOOT SIDES.	~8000 LUMENS 3500K LED	0-10V DIMMING	67 W	UNIV
SF1	LUMARK VXS-T2-E03-LED-E1-T2-BZ-7030-MS/DIM-L20 OR APPROVED EQUAL	POLE MOUNTED EXTERIOR AREA LUMINAIRE WITH FORWARD THROW OPTICS. PROVIDE SQUARE POLE. MOUNTING HEIGHT SHALL BE +15' TO BOTTOM OF LIGHT SOURCE. PROVIDE STANDARD BRONZE FINISH. PROVIDE MOTION SENSOR OPTION, SENSOR OVERIDE DURTION SHALL BE 20 MINUTES. WET LOCATION RATED.	9192 LUMENS 3000K LED B2-U0-G2	DIMMING	75 W	UNIV
SF2	LINDSLEY LWS.CB-04-18T-35-SL-S-WT-0-10V OR APPROVED EQUAL	WALL MOUNTED LOW PROFILE EXTERIOR SCONCE WITH SYMMETRICAL UP/DOWN LIGHING DISTRIBUTION. APPROX. DIMENSIONS: 4""W X 18""H X 3.9""D. PROVIDE ANNODIZED ALUMINUM AND STAINLESS STEEL CONSTRUCTION SUITIBLE FOR WET LOCATIONS. PROVIDE SIVER BRUSHED ANNODIZED FINISH OR COLOR AS SELECTED BY ARCHITECT. MOUNTING HEIGHTS PER PLAN	400UP/400 DOWN LUMENS 3500K LED BUG N/A - FACADE LTG	0-10V DIMMING	20 W	UNIV
SF2A	LINDSLEY LWS.CB-04-35-SL-S-WT-0-10V OR APPROVED EQUAL	WALL MOUNTED LOW PROFILE EXTERIOR SCONCE WITH SYMMETRICAL UP/DOWN LIGHING DISTRIBUTION. APPROX. DIMENSIONS: 4""W X 4""H X 3.9""D. PROVIDE ANNODIZED ALUMINUM AND STAINLESS STEEL CONSTRUCTION SUITIBLE FOR WET LOCATIONS. PROVIDE SIVER BRUSHED ANNODIZED FINISH OR COLOR AS SELECTED BY ARCHITECT. MOUNTING HEIGHTS PER PLAN.	400UP/400 DOWN LUMENS 3500K LED BUG N/A - FACADE LTG	0-10V DIMMING	20 W	UNIV
SF2AD	LINDSLEY LWS.CB-04-35D-SL-S-WT-0-10V OR APPROVED EQUAL	WALL MOUNTED LOW PROFILE EXTERIOR SCONCE WITH DOWN LIGHTING DISTRIBUTION. APPROX. DIMENSIONS: 4""W X 4""H X 3.9""D. PROVIDE ANNODIZED ALUMINUM AND STAINLESS STEEL CONSTRUCTION SUITIBLE FOR WET LOCATIONS. PROVIDE SIVER BRUSHED ANNODIZED FINISH OR COLOR AS SELECTED BY ARCHITECT. MOUNTING HEIGHTS PER PLAN.	400 DOWN LUMENS 3500K LED BUG N/A - FACADE LTG	0-10V DIMMING	10 W	UNIV
SF3	MCGRAW-EDISON GWC-SA1-A-735-U-SL2-AP-SPB2 OR APPROVED EQUAL	WALL MOUNTED AREA LUMINAIRE WITH TYPE 2 SPILL CONTROL DISTRIBUTION FOR BUILDING EXTERIOR AREAS. PROVIDE DIE CAST ALUMINUM HOUSING SUITIBLE FOR WET LOCATIONS. PROVIDE GREY FINISH OR COLOR AS SELECTED BY ARCHITECT. PROVIDE MOTION SENSOR OPTION, SENSOR OVERRIDE DURATION SHALL BE 20 MINUTES. MOUNTING HEIGHTS PER PLAN.	4874 LUMENS 3500K LED B1-U0-G2	0-10V DIMMING	34 W	UNIV
SF3A	MCGRAW-EDISON GWC-SA1-A-735-U-SL3-AP-SPB3 OR APPROVED EQUAL	SAME AS SF3 BUT WITH TYPE 3 SPILL CONTROL DISTRIBUTION. MOUNTING HEIGHTS PER PLAN.	4976 LUMENS 3500K LED B1-U0-G2	0-10V DIMMING	34 W	UNIV
SF4	A LIGHT D4-4-LH-35-80+-U-M-D-F-T-D OR APPROVED EQUAL	SURFACE MOUNTED 4' NOMINAL EXTERIOR HIGH-OUTPUT LINEAR WITH SYMMETRIC WIDE DISTRIBUTION. PROVIDE WITH WET LOCATION RATING. PROVIDE TITANIUM FINISH OR COLOR AS SELECTED BY ARCHITECT.	3298 LUMENS 3500K LED BUG N/A - FACADE LTG	0-10V DIMMING	36.8 W	UNIV
SF5	HK USA SIGN-1-SOI--B-GSA-120V-00935-BK-12" OR APPROVED EQUAL	SURFACE MOUNTED ALUMINUM OUTDOOR SIGN LIGHT WITH 12" ARM AND ADJUSTABLE HEAD. COORDINATE EXACT MOUNTING LOCATION AND AIM WITH ARCHITECT AND LANDSCAPE DESIGNER. PROVIDE LINE VOLTAGE OPTION FOR OUTDOOR RATED SORAA LED BULB. BLACK POWDER COAT FINISH.	435 LUMENS 3000K LED SORAA MR 16 GU5.3 BUG N/A - ART LIGHTING	N/A	7.5 W	UNIV
SF6	TARGETTI ZEL-41-FW-FE-L2-30 OR APPROVED EQUAL	RECESSED OUTDOOR FLOOR WASH STEPLIGHT. MOUNTED AT 12" ABOVE GRADE. FERRITE DARK GRAY FINISH OR COLOR AS SELECTED BY ARCHITECT.	245 LUMENS 3000K LED BUG N/A - STEPLIGHT	0-10V DIMMING	9 W	UNIV
SF7	TARGETTI ZPB-41-40-WD-L3-30-FE OR APPROVED EQUAL	40" PATHWAY BOLLARD - WIDE DISTRIBUTION. FERRITE DARK GRAY FINISH OR COLOR AS SELECTED BY ARCHITECT.	479 LUMEN 3000K LED BUG B0-U0-G1	0-10V DIMMING	15 W	UNIV
SF8	TARGETTI KPLM-41-GMB-FL-L1-30 OR APPROVED EQUAL	6" IN-GRADE ADJUSTABLE FLOODLIGHT - BLACK PVD FINISH OR COLOR AS SELECTED BY ARCHITECT.	746 LUMENS 3000K	INTEGRAL	11 W	UNIV
SF8A	TARGETTI KPLM-41-GMB-FL-L1-30 OR APPROVED EQUAL	6" SURFACE GROUNDMOUNT VANDAL RESISTENT LIGHTING FIXTURE. WITH CONCRETE ENCASED LIGHT SOURCE FOR SIGN LIGHTING. FINISH OR COLOR AS SELECTED BY ARCHITECT.	746 LUMENS 3000K	INTEGRAL	11 W	UNIV
SF9	THE FLAGPOLE BEACON ORN-322669 OR APPROVED EQUAL	8" GOLD BEACON, 2 LED BULBS, 359° REVOLVING TRACK. DARK SKY COMPLIANT.	700 LUMENS 3000K	INTEGRAL	6 W	120 V
SF10	BERICA OUT 2.0 BU2010-000-X-0-5-D5 OR APPROVED EQUAL	8" DOUBLE BEAM SURFACE MOUNTED OUTDOOR FIXTURE. FINISH AS SELECTED BY ARCHITECT.	1490 LUMENS 3000K	INTEGRAL	15 W	120 V
SF11	MCGRAW-EDISON TT-D1-830-U-WO-AP-MS/DIM-L20 OR APPROVED EQUAL	BID ALTERNATE 2 ITEM ONLY. CARPORT CANOPY LIGHTING WITH INTEGRATED MOTION SENSOR. DIM TO 20% WHEN NO MOTION IS DETECTED.	3500 LUMEN 3000K LED	DIMMING	28 W	120 V
X1	EVENLITE RZR3-AC-G-1-BA-1B	WALL MOUNT LED LIT EXIT SIGN SINGLE FACE	N/A	INTEGRAL	2 W	UNIV
X1A	EVENLITE RZR3-AC-G-2-BA-1B	WALL MOUNT LED LIT EXIT SIGN DOUBLE FACE	N/A	INTEGRAL	2 W	UNIV

WMB ARCHITECTS
5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

South Davis Library
2700 COWELL BLVD
DAVIS, CA 95616

WMB Project No. 19-022

The Engineering Enterprise
CONSULTING ENGINEERS
ALAMEDA | AUBURN | LOS ANGELES | NEOSHO
SAN DIEGO | SANTA BARBARA
https://www.engent.com

REGISTERED PROFESSIONAL ENGINEER
ERIC M. WHEELER
No. 21763
ELECTRICAL
STATE OF CALIFORNIA
NOT FOR CONSTR

Branch Panel: L1A

Location: ELECT. 105 | **Served From** MSB | **Phases** 3 | **A.I.C. Rating:** 22K | **Bus Rating** 100 A
Mounting: SURFACE | **Volts:** 120/208 | **Wires** 4 | **Main Type:** MLO | **Main Rating:** NA

LC	Load Served	Amp	P	#	A (kVA)	B (kVA)	C (kVA)	#	P	Amp	Load Served	LC
				1	--			2	1	--	space	--
L	EAST COLLECTION ROOM LTG	20 A	1	3		1.73 --		4	1	--	space	--
L	WEST COLLECTION ROOM LTG	20 A	1	5			1.68 --	6	1	--	space	--
L	SOUTH ROOMS LTG	20 A	1	7	0.36 --			8	1	--	space	--
L	BLDG FACADE EXTERIOR LTG	20 A	1	9		0.41 --		10	1	--	space	--
z; L	SITE PLAN EXTERIOR LTG	20 A	1	11			1.15 --	12	1	--	space	--
				13	--			14	1	--	space	--
--	SPARE	20 A	1	15		0.00 --		16	1	--	space	--
--	SPARE	0 A	1	17			0.00 --	18	1	--	space	--
--	space	--	1	19	-- --			20	1	--	space	--
--	space	--	1	21		-- --		22	1	--	space	--
--	space	--	1	23			-- --	24	1	--	space	--
--	space	--	1	25	-- --			26	1	--	space	--
--	space	--	1	27		-- --		28	1	--	space	--
--	space	--	1	29			-- --	30	1	--	space	--
--	space	--	1	31	-- --			32	1	--	space	--
--	space	--	1	33		-- --		34	1	--	space	--
--	space	--	1	35			-- --	36	1	--	space	--
--	space	--	1	37	-- --			38	1	--	space	--
--	space	--	1	39		-- --		40	1	--	space	--
--	space	--	1	41			-- --	42	1	--	space	--
					Connected Load:	0.36 kVA	2.14 kVA	2.82 kVA				
					Feed-Thru Load:	0 kVA	0 kVA	0 kVA				
					Total Amps:	3.04 A	20.07 A	25.8 A				

Load Classification	Conn. Load	Demand Factor	Code Demand	Panel Totals
Other	0 kVA	0.00%	0 kVA	**Connected Load:** 5.32 kVA
Lighting	5.32 kVA	125.00%	6.66 kVA	**Connected Amps:** 14.78 A
				Code Demand Load: 6.66 kVA
				Code Demand Amps: 18.47 A

Notes:

Branch Panel: L1B

Location: ELECT. 105 | **Served From** MSB | **Phases** 3 | **A.I.C. Rating:** 22K | **Bus Rating** 100 A
Mounting: SURFACE | **Volts:** 120/208 | **Wires** 4 | **Main Type:** MLO | **Main Rating:** NA

LC	Load Served	Amp	P	#	A (kVA)	B (kVA)	C (kVA)	#	P	Amp	Load Served	LC
R	REC COLLECTION NORTH	20 A	1	1	1.08 --			2	1	--	space	--
R	REC COLLECTION MIDDLE	20 A	1	3		0.72 --		4	1	--	space	--
z; R	REC COLLECTION EAST	20 A	1	5			0.90 --	6	1	--	space	--
R	REC COLLECTION SOUTH	20 A	1	7	1.26 --			8	1	--	space	--
R	REC MP RM WEST	20 A	1	9		1.26 --		10	1	--	space	--
R	REC MP RM WEST	20 A	1	11			1.08 --	12	1	--	space	--
R	REC BATHROOM WEST	20 A	1	13	1.08 --			14	1	--	space	--
				15		--		16	1	--	space	--
R	Receptacle	20 A	1	17			1.26 --	18	1	--	space	--
R	REC FB COLLEC. N-NORTH	20 A	1	19	0.18 --			20	1	--	space	--
R	REC PRINT COLLEC. N-NORTH	20 A	1	21		0.18 --		22	1	--	space	--
R	REC MEET/ COLLECTION	20 A	1	23			0.54 --	24	1	--	space	--
R	REC FB COLLEC. N-SOUTH	20 A	1	25	0.18 --			26	1	--	space	--
R	REC PRINT COLLEC. N-SOUTH	20 A	1	27		0.18 --		28	1	--	space	--
R	REC FB COLLEC. S.	20 A	1	29			0.54 --	30	1	--	space	--
R	REC FB COLLEC W.	20 A	1	31	0.72 --			32	1	--	space	--
R	WINDOW SHADES W.	0 A	1	33		0.20 --		34	1	--	space	--
--	space	--	1	35			-- --	36	1	--	space	--
--	space	--	1	37	-- --			38	1	--	space	--
--	space	--	1	39		-- --		40	1	--	space	--
--	space	--	1	41			-- --	42	1	--	space	--
					Connected Load:	4.5 kVA	2.54 kVA	4.32 kVA				
					Feed-Thru Load:	0 kVA	0 kVA	0 kVA				
					Total Amps:	39.78 A	21.17 A	38.28 A				

Load Classification	Conn. Load	Demand Factor	Code Demand	Panel Totals
Other	0 kVA	0.00%	0 kVA	**Connected Load:** 11.36 kVA
Receptacle	11.36 kVA	94.01%	10.68 kVA	**Connected Amps:** 31.53 A
				Code Demand Load: 10.68 kVA
				Code Demand Amps: 29.64 A

Notes:

Branch Panel: L1C

Location: ELECT. 105 | **Served From** MSB | **Phases** 3 | **A.I.C. Rating:** 10K | **Bus Rating** 250 A
Mounting: SURFACE | **Volts:** 120/208 | **Wires** 4 | **Main Type:** MLO | **Main Rating:** NA

LC	Load Served	Amp	P	#	A	B	C	#	P	Amp	Load Served	LC
M	FCU-1	20 A	2	1	0.05 0.23			2	2	20 A	FCU-16	M
				3		0.05 0.23		4				
M	FCU-3	20 A	2	5			0.05 6.25	6				
				7	0.05 6.25			8	3	60 A	HP-2A	M
M	FCU-4	20 A	2	9		0.05 6.25		10				
				11			0.05 5.45	12				
M	FCU-7	20 A	2	13	0.11 5.45			14	3	60 A	HP-1B	M
				15		0.11 5.45		16				
M	FCU-10	20 A	2	17			0.00 0.00	18	2	20 A	SAC-2	M
				19	0.00 0.00			20				
M	FCU-11	20 A	2	21		0.37 --		22	1	--	space	--
				23			0.37 --	24	1	--	space	--
M	FCU-12	20 A	2	25	0.37 --			26	1	--	space	--
				27		0.37 --		28	1	--	space	--
M	FCU-13	20 A	2	29			0.37 --	30	1	--	space	--
				31	0.37 --			32	1	--	space	--
M	FCU-14	20 A	2	33		0.35 --		34	1	--	space	--
				35			0.35 --	36	1	--	space	--
M	FCU-15	20 A	2	37	0.35 --			38	1	--	space	--
				39		0.35 --		40	1	--	space	--
M	BS-3	20 A	2	41			0.00 --	42	1	--	space	--
				43	0.00 --			44	1	--	space	--
M	CP-1	20 A	1	45		0.07 --		46	1	--	space	--
M	EWH-1	40 A	2	47			2.60 --	48	1	--	space	--
				49	2.60 --			50	1	--	space	--
--	space	--	1	51		-- --		52	1	--	space	--
--	space	--	1	53			-- --	54	1	--	space	--
--	space	--	1	55	-- --			56	1	--	space	--
--	space	--	1	57		-- --		58	1	--	space	--
--	space	--	1	59			-- --	60	1	--	space	--
					Connected Load:	15.84 kVA	13.66 kVA	15.49 kVA				
					Feed-Thru Load:	0 kVA	0 kVA	0 kVA				
					Total Amps:	134.33 A	113.84 A	131.45 A				

Load Classification	Conn. Load	Demand Factor	Code Demand	Panel Totals
Motor	44.99 kVA	110.42%	49.68 kVA	**Connected Load:** 44.99 kVA
				Connected Amps: 124.88 A
				Code Demand Load: 49.68 kVA
				Code Demand Amps: 137.89 A

Notes:

Branch Panel: L1E

Location: OPEN OFFICE 111 | **Served From** L1D | **Phases** 3 | **A.I.C. Rating:** 10K | **Bus Rating** 60 A
Mounting: RECESSED | **Volts:** 120/208 | **Wires** 4 | **Main Type:** MLO | **Main Rating:** NA

LC	Load Served	Amp	P	#	A (kVA)	B (kVA)	C (kVA)	#	P	Amp	Load Served	LC
R	IT UPS	20 A	1	1	0.18 0.72			2	1	20 A	REC WOMENS BATHROOM	R
R	REC OFFICE WEST	20 A	1	3		1.26 0.46		4	1	20 A	LTG NORTH ROOMS	z; R
R	REC OFFICE NORTH	20 A	1	5			1.08 1.08	6	1	20 A	REC STOR, IT, OFFFICE,...	R
R	REC OFFICE MICROWAVE	20 A	1	7	0.18 0.21			8	1	20 A	FSD, MAG DOOR HOLD	z; M
R	REC OFFICE REFRIGERATOR	20 A	1	9		0.18 --		10	1	--	space	--
R	REC OFFICE SOUTHEAST	20 A	1	11			1.08 --	12	1	--	space	--
R	REC OFFICE NORTHEAST	20 A	1	13	0.90 --			14	1	--	space	--
R	REC OFFICE SOUTH	20 A	1	15		1.08 --		16	1	--	space	--
R	REC MTG RM N., ELEC, ROOF	20 A	1	17			1.26 --	18	1	--	space	--
R	REC MTG RM EAST	20 A	1	19	1.08 --			20	1	--	space	--
R	REC MULTI PURP RM SOUTH	20 A	1	21		0.90 --		22	1	--	space	--
R	REC REF. MULTIPURP RM	20 A	1	23			0.18 --	24	1	--	space	--
R	REC MULTI PURP RM EAST	20 A	1	25	1.08 --			26	1	--	space	--
R	REC PROJECTOR MULTI PUR...	20 A	1	27		0.18 --		28	1	--	space	--
z	SCREEN MULTI PURP RM...	20 A	1	29			0.00 --	30	1	--	space	--
R	REC MULTI PURP RM NORTH	20 A	1	31	1.08 --			32	1	--	space	--
R	IT ROOM	20 A	1	33		0.72 --		34	1	--	space	--
R	REC OPEN OFFICE COPIER	20 A	1	35			0.18 --	36	1	--	space	--
L	INVERTER	20 A	2	37	1.33 --			38	1	--	space	--
				39		0.66 --		40	1	--	space	--
L	LTG- NORTH + RR	20 A	1	41			1.57 --	42	1	--	space	--
					Connected Load:	6.75 kVA	5.44 kVA	6.43 kVA				
					Feed-Thru Load:	0 kVA	0 kVA	0 kVA				
					Total Amps:	57.53 A	45.35 A	54.82 A				

Load Classification	Conn. Load	Demand Factor	Code Demand	Panel Totals
Motor	0.18 kVA	108.33%	0.2 kVA	**Connected Load:** 18.62 kVA
Other	0.13 kVA	100.00%	0.13 kVA	**Connected Amps:** 51.69 A
Lighting	3.56 kVA	125.00%	4.45 kVA	**Code Demand Load:** 17.15 kVA
Receptacle	14.76 kVA	83.88%	12.38 kVA	**Code Demand Amps:** 47.59 A

Notes:

Branch Panel: EV1

Location: ELECT. 105 | **Served From** MSB | **Phases** 3 | **A.I.C. Rating:** 22K | **Bus Rating** 200 A
Mounting: SURFACE | **Volts:** 120/208 | **Wires** 4 | **Main Type:** MLO | **Main Rating:** NA

LC	Load Served	Amp	P	#	A (kVA)	B (kVA)	C (kVA)	#	P	Amp	Load Served	LC
Ev	EVSE-1	40 A	2	1	3.33 --			2	1	--	space	--
				3		3.33 --		4	1	--	space	--
Ev	EVSE-2	40 A	2	5			3.33 --	6	1	--	space	--
				7	3.33 --			8	1	--	space	--
Ev	EVSE-3	40 A	2	9		3.33 --		10	1	--	space	--
				11			3.33 --	12	1	--	space	--
Ev	EVSE-4	40 A	2	13	3.33 --			14	1	--	space	--
				15		3.33 --		16	1	--	space	--
Ev	EVSE-5	40 A	2	17			3.33 --	18	1	--	space	--
				19	3.33 --			20	1	--	space	--
Ev	EVSE-6	40 A	2	21		3.33 --		22	1	--	space	--
				23			3.33 --	24	1	--	space	--
Ev	EVSE-7	40 A	2	25	3.33 --			26	1	--	space	--
				27		3.33 --		28	1	--	space	--
Ev	EVSE-8	40 A	2	29			3.33 --	30	1	--	space	--
				31	3.33 --			32	1	--	space	--
--	space	--	1	33		-- --		34	1	--	space	--
--	space	--	1	35			-- --	36	1	--	space	--
--	space	--	1	37	-- --			38	1	--	space	--
--	space	--	1	39		-- --		40	1	--	space	--
--	space	--	1	41			-- --	42	1	--	space	--
					Connected Load:	19.98 kVA	16.65 kVA	16.65 kVA				
					Feed-Thru Load:	0 kVA	0 kVA	0 kVA				
					Total Amps:	166.5 A	138.75 A	138.75 A				

Load Classification	Conn. Load	Demand Factor	Code Demand	Panel Totals
Electric Vehicle Charging Station	53.28 kVA	125.00%	66.6 kVA	**Connected Load:** 53.28 kVA
				Connected Amps: 147.89 A
				Code Demand Load: 66.6 kVA
				Code Demand Amps: 184.86 A

Notes:

Switchboard: MSB

Location: ELECT. 105 | **Volts:** 120/208 | **A.I.C. Rating:** 22K
Supply From: | **Phases:** 3 | **Mains Type:** MCB
Mounting: SURFACE | **Wires:** 4 | **Mains Rating:** 600 A
Enclosure: NEMA 1 | **MCB Rating:** 600 A

##	Circuit Description	Load	Remarks
1	L1D	67.04 kVA	
2	EV1	53.28 kVA	
3	L1B	11.36 kVA	
4	L1A	5.32 kVA	
5	L1C	44.99 kVA	
6	HDPB	0 kVA	
7	space	--	
8	space	--	
9	space	--	
10	space	--	
11	space	--	
12	space	--	
13	space	--	
14	space	--	
15	space	--	
16	space	--	
17	space	--	
18	space	--	
19	space	--	
20	space	--	
	Total Load:	181.99...	
	Total Amps:	505.17 A	

Load Classification	Conn. Load	Demand Factor	Est. Demand	Panel Totals
Motor	93.59 kVA	105.01%	98.28 kVA	**Connected Load:** 181.99 kVA
Other	0.13 kVA	100.00%	0.13 kVA	**Connected Amps:** 505.17 A
Electric Vehicle Charging Station	53.28 kVA	125.00%	66.6 kVA	**Est. Demand Load:** 194.16 kVA
Lighting	8.88 kVA	125.00%	11.1 kVA	**Est. Demand Amps:** 538.94 A
Receptacle	26.12 kVA	69.14%	18.06 kVA	

Notes:

Branch Panel: L1D

Location: OPEN OFFICE 111 | **Served From** MSB | **Phases** 3 | **A.I.C. Rating:** 10K | **Bus Rating** 200 A
Mounting: RECESSED | **Volts:** 120/208 | **Wires** 4 | **Main Type:** MLO | **Main Rating:** NA

LC	Load Served	Amp	P	#	A (kVA)	B (kVA)	C (kVA)	#	P	Amp	Load Served	LC
M	BS-1	20 A	2	1	0.03 4.16			2	2	50 A	IWH-1	M
				3		0.03 4.16		4				
M	HP-1A	40 A	3	5			4.10 2.08	6	2	30 A	IWH-2	M
				7	4.10 2.08			8				
				9		4.10 4.16		10	2	50 A	IWH-3	M
M	HP-1B	40 A	3	11			4.10 4.16	12				
				13	4.10 6.75			14				
				15		4.10 5.44		16	3	60 A	L1E	z; M; L; R
				17			0.20 6.43	18				
M	FCU-2	20 A	2	19	0.20 0.53			20	1	20 A	EF-1	M
M	FCU-5	20 A	2	21		0.05 --		22	1	--	space	--
				23			0.05 --	24	1	--	space	--
M	FCU-6	20 A	2	25	0.24 --			26	1	--	space	--
				27		0.24 --		28	1	--	space	--
M	FCU-8	20 A	2	29			0.35 --	30	1	--	space	--
				31	0.35 --			32	1	--	space	--
M	FCU-9	20 A	2	33		0.37 --		34	1	--	space	--
				35			0.37 --	36	1	--	space	--
M	BS-2	20 A	2	37	0.00 --			38	1	--	space	--
				39		0.00 --		40	1	--	space	--
M	ERV-1	30 A	2	41			0.00 --	42	1	--	space	--
				43	0.00 --			44	1	--	space	--
M	SAC-2	20 A	2	45		0.00 --		46	1	--	space	--
				47			0.00 --	48	1	--	space	--
M	SCU-2	40 A	2	49	0.00 --			50	1	--	space	--
				51		0.00 --		52	1	--	space	--
M	EUH-1	20 A	2	53			0.00 --	54	1	--	space	--
				55	0.00 --			56	1	--	space	--
--	space	--	1	57		-- --		58	1	--	space	--
--	space	--	1	59			-- --	60	1	--	space	--
					Connected Load:	22.54 kVA	22.65 kVA	21.84 kVA				
					Feed-Thru Load:	0 kVA	0 kVA	0 kVA				
					Total Amps:	188.74 A	189.67 A	182.04 A				

Load Classification	Conn. Load	Demand Factor	Code Demand	Panel Totals
Motor	48.6 kVA	106.33%	51.68 kVA	**Connected Load:** 67.04 kVA
Other	0.13 kVA	100.00%	0.13 kVA	**Connected Amps:** 186.08 A
Lighting	3.56 kVA	125.00%	4.45 kVA	**Code Demand Load:** 68.63 kVA
Receptacle	14.76 kVA	83.88%	12.38 kVA	**Code Demand Amps:** 190.48 A

Notes:

Branch Panel: INV

Location: ELECT. 105 | **Served From** L1E | **Phases** 1 | **A.I.C. Rating:** | **Bus Rating**
Mounting: | **Volts:** 120/208... | **Wires** 3 | **Main Type:** | **Main Rating:** NA

Load Served	Amp	P	#	A (kVA)	B (kVA)	C (kVA)	#	P	Amp	Load Served
NORTH ROOMS LIGHTING	20 A	1	1	1.02 --			2	1	--	space
SOUTH ROOMS LIGHTING	20 A	1	3		0.66 --		4	1	--	space
EXTERIOR LIGHITNG	20 A	1	5	0.31 --			6	1	--	space
space	--	1	7		-- --		8	1	--	space
space	--	1	9	-- --			10	1	--	space
space	--	1	11			-- --	12	1	--	space
space	--	1	13	-- --			14	1	--	space
space	--	1	15			-- --	16	1	--	space
space	--	1	17	-- --			18	1	--	space
space	--	1	19		-- --		20	1	--	space
space	--	1	21	-- --			22	1	--	space
space	--	1	23			-- --	24	1	--	space
space	--	1	25	-- --			26	1	--	space
space	--	1	27		-- --		28	1	--	space
space	--	1	29	-- --			30	1	--	space
space	--	1	31		-- --		32	1	--	space
space	--	1	33	-- --			34	1	--	space
space	--	1	35			-- --	36	1	--	space
space	--	1	37	-- --			38	1	--	space
space	--	1	39		-- --		40	1	--	space
space	--	1	41	-- --			42	1	--	space
				Total Load:	1.33 kVA	0.66				
				Total Amps:	12 A	6.36 A				

Load Classification	Conn. Load	Demand Factor	Code Demand	Panel Totals
Lighting	1.99 kVA	125.00%	2.49 kVA	**Connected Load:** 1.99 kVA
				Connected Amps: 9.56 A
				Code Demand Load: 2.49 kVA
				Code Demand Amps: 11.96 A

Notes:

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

South Davis Library
2700 COWELL BLVD
DAVIS, CA 95616

WMB Project No. 19-022

The Engineering Enterprise
CONSULTING ENGINEERS
ALAMEDA | AUBURN | LOS ANGELES | NEOSHO
SAN DIEGO | SANTA BARBARA
https://www.engent.com

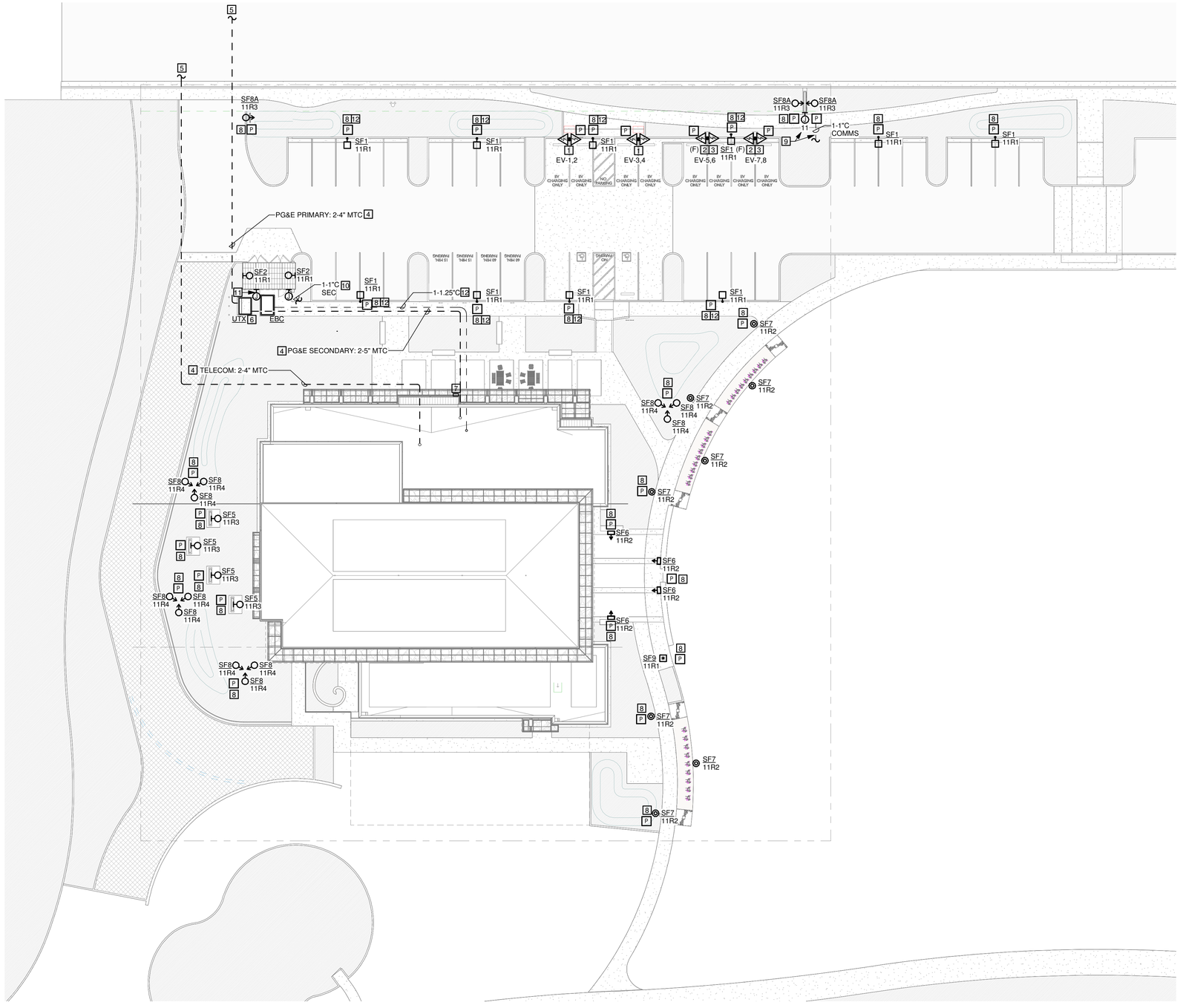
REGISTERED PROFESSIONAL ENGINEER
SCOTT WHEELER
ELECTRICAL
STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

08.23.2024 BID SET

PANEL SCHEDULES

E0.8

8/22/2024 4:15:59 PM Copyright WMB, Inc.



1 ELECTRICAL SITE PLAN

SCALE: 1" = 20'-0"

GENERAL SHEET NOTES

A. MOUNTING HEIGHT FOR SF1 AND SF1A SHALL BE +15' TO BOTTOM OF LIGHT SOURCE.

B. REFER TO SHEET E1.2 FOR BID ALTERNATE 2 ITEMS. ALL ITEMS ON THIS SHEET ARE INCLUDED IN BID ALTERNATE 2 UON.

C. COORDINATE WITH PG&E CONSTRUCTION DRAWINGS AS REQUESTED BY PG&E (PG&E DESIGN PM# 35552510). PROVIDE INFRASTRUCTURE AND SITE PREPERATION AS REQUIRED PER PG&E DESIGN. PG&E CONNECTION POINT IS ACROSS STREET. NEW PG&E PROVIDED EQUIPMENT: 200A SUBSURFACE LOAD-BREAK 4-WAY JUNCTION IN PRIMARY ENCLOSURE #6, IVT BOX 4'X6'6"5' MCODE 041495.

NUMBERED SHEET NOTES

1. PROVIDE LEVEL 2 EV CHARGER, DUAL CHARGER CABLES. PROVIDE 1" CONDUIT TO N9 SIZE PULL BOX FROM PANEL EV1.
2. FUTURE LEVEL 2 EV CHARGER, DUAL CHARGING CABLES. PROVIDE 1" CONDUIT WITH PULL TAPE TO N9 SIZE PULL BOX FROM PANEL EV1.
3. PROVIDE BID ALTERNATE 1 PRICING TO PROVIDE CHARGING STATION INCLUDING BREAKERS, WIRE, AND CHARGERS IN PROJECT SCOPE.
4. PROVIDE CONDUIT (NUMBER AND SIZE AS INDICATED) FOR UTILITY SERVICE CABLES. CABLES FURNISHED, INSTALLED, AND CONNECTED BY UTILITY COMPANY.
5. UTILITY CONNECTION POINT AT JUNCTION SWITCH DESIGNED BY PG&E AND LOCATED ON OPPOSITE SIDE OF LILLARD AVE. DISTANCE FROM SITE IS ~200FT FROM TRANSFORMER TO CONNECTION AT SWITCH. FINAL TELECOM CONNECTION POINT SHALL BE COORDINATED WITH YOLO COUNTY IT DEPARTMENT.
6. PG&E PAD MOUNTED TRANSFORMER, UTX. PROVIDE CONCRETE PAD, BLOCK OUTS, GROUNDING, ETC. PER PG&E STANDARDS.
7. GENERATOR QUICK CONNECT LOCATION AT MANUAL TRANSFER SWITCH. REFER TO POWER ONE LINE DIAGRAM SHEET E6.1.
8. PROVIDE N9 SIZE LIGHTING PULL BOX. PROVIDE 1" CONDUIT TO PANEL L1A UON.
9. PROVIDE 1" CONDUIT TO IT ROOM FOR COMMUNICATION CABLING FROM IN-GRADE J BOX. PROVIDE J BOX FOR POWER CONNECTIONS AS REQUIRED. PROVIDE LED OPEN/ CLOSED INDICATOR SIGN, CONTROLLABLE FROM LIBRARY STAFF FRONT DESK. REFER TO ARCHITECTURAL SHEETS FOR SIGN DETAILS. COORDINATE COMMUNICATION AND POWER REQUIREMENTS WITH SIGN VENDOR.
10. PROVIDE J BOX FOR CARD READER AND 1"C TO SECURITY CONTROL PANEL. COORDINATE WITH SECURITY VENDOR, CONDUCTORS NIEC.
11. PROVIDE 120V CONNECTION FOR IRRIGATION CONTROLLER.
12. ITEM NOT INCLUDED IN BID ALTERNATE 2.

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

South Davis Library
2700 COWELL BLVD
DAVIS, CA 95616

WMB Project No. 19-022

The Engineering Enterprise
CONSULTING ENGINEERS
ALAMEDA | AUBURN | LOS ANGELES | NEOSHO
SAN DIEGO | SANTA BARBARA
https://www.engent.com

REGISTERED PROFESSIONAL ENGINEER
ROBERT WHEELER
ELECTRICAL
STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

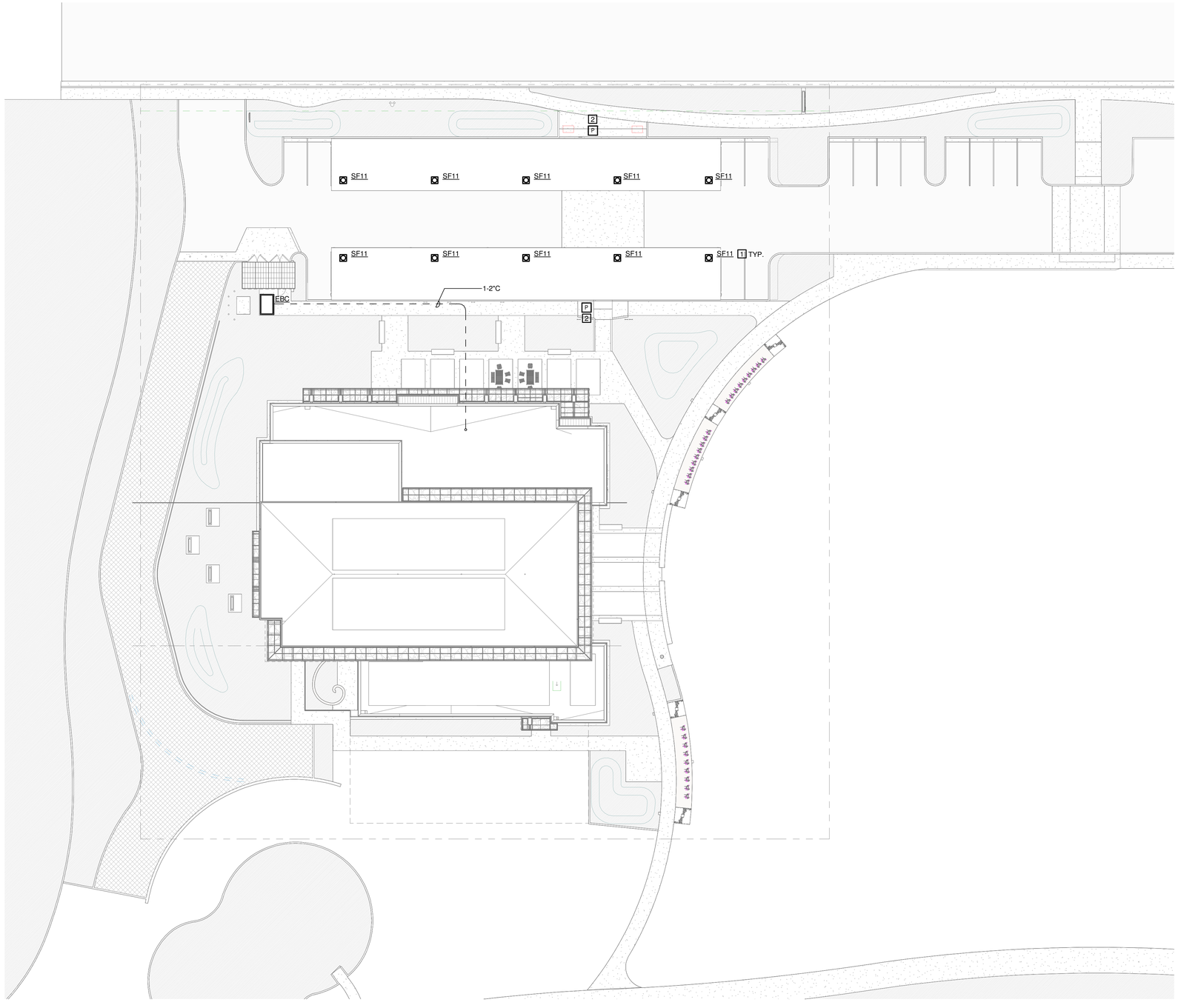
08.23.2024	BID SET

ELECTRICAL SITE PLAN

E1.1

8/22/2024 4:16:03 PM

Copyright WMB, Inc.



1 ELECTRICAL SITE PLAN

SCALE: 1" = 20'-0"

GENERAL SHEET NOTES

A. PROVIDE PRICING FOR BID ALTERNATE 2 ITEMS SHOWN ON THIS SHEET.

NUMBERED SHEET NOTES

1 PROVIDE 1" CONDUIT TO PANEL L1A VIA PULLBOX. PROVIDE DEDICATED CIRCUIT FOR CANOPY LIGHTING AND DEDICATED RELAT IN LIGHTING CONTROL PANEL.

2 PROVIDE 120V CONNECTION FOR IRRIGATION CONTROLLER.

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

South Davis Library
2700 COWELL BLVD
DAVIS, CA 95616

WMB Project No. 19-022

The Engineering Enterprise
CONSULTING ENGINEERS
ALAMEDA | AUBURN | LOS ANGELES | NEOSHO
SAN DIEGO | SANTA BARBARA
https://www.engent.com

REGISTERED PROFESSIONAL ENGINEER
Expires 06/30/2025
SCOTT WHEELER
ELECTRICAL
STATE OF CALIFORNIA

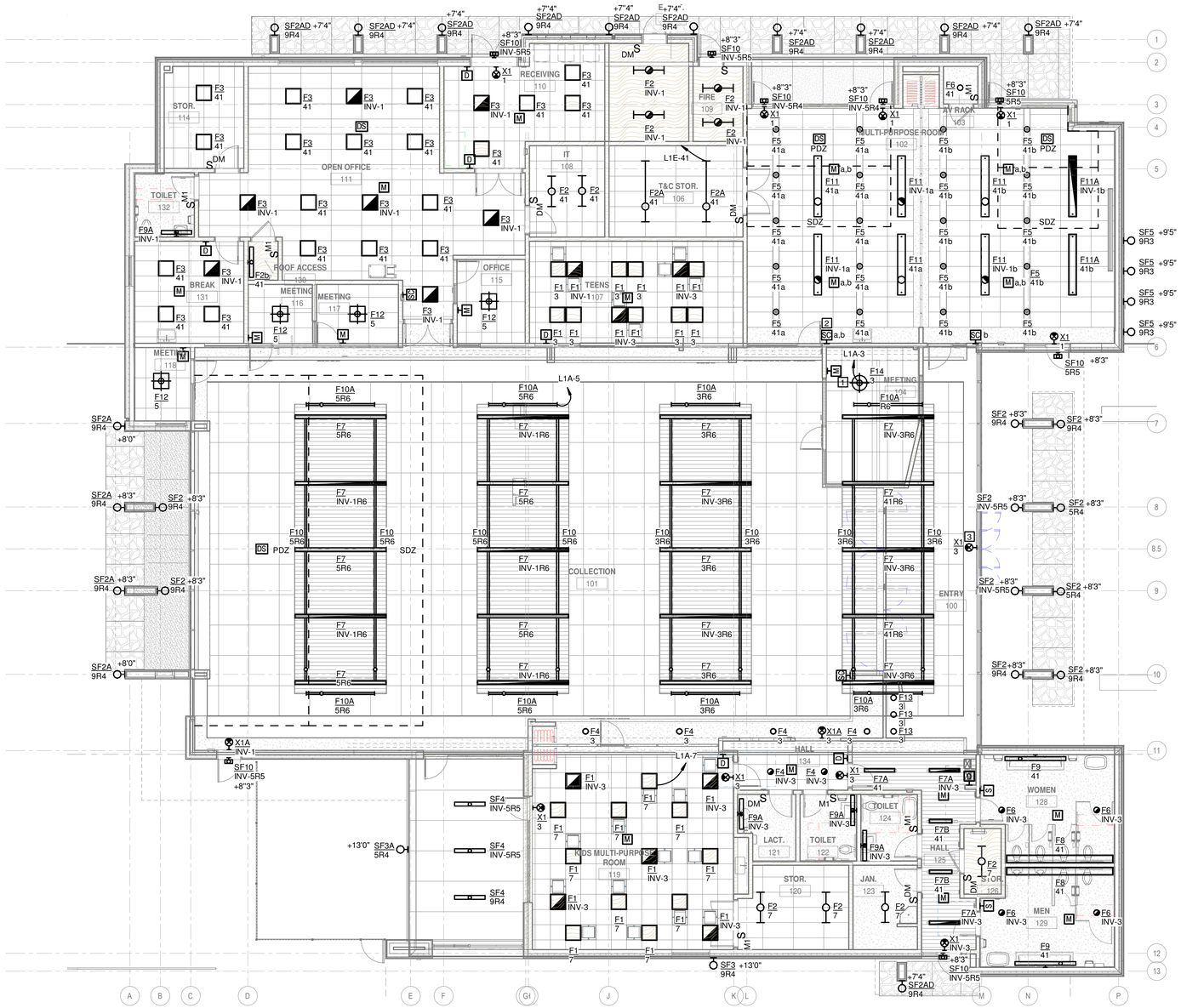
NOT FOR CONSTRUCTION

08.23.2024	BID SET

ELECTRICAL SITE PLAN - BID ALTERNATE #2

E1.2

8/22/2024 4:16:06 PM
Copyright WMB, Inc.



GENERAL SHEET NOTES

A. MOUNTING HEIGHTS NOTED ARE FROM FINISHED FLOOR TO BOTTOM OF LUMINAIRE DOWNLIGHT SOURCE.

B. PROVIDE LOCKABLE ENCLOSURE FOR PUBLICLY ACCESSIBLE LIGHTING CONTROLS.

NUMBERED SHEET NOTES

1. CENTER LUMINAIRE ABOVE TABLE PER ARCHITECTURAL PLANS. LUMINAIRE SHOWN OFFSET ON ELECTRICAL PLAN FOR CLARITY. MOUNT AT +6' AFF.
2. PROGRAM CONTROLLER GUI AND/OR PROVIDE SCENE CONTROLLER WITH CLEARLY DELINEATED INSTRUCTIONS FOR CONTROLLING ENTIRE ROOM, AND CONTROLLING CORRESPONDING HALF OF ROOM WHEN PARTITION IS CLOSED.
3. ROUTE POWER INSIDE OF STEEL BEAM.

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

South Davis Library
2700 COWELL BLVD
DAVIS, CA 95616

WMB Project No. 19-022

The Engineering Enterprise
CONSULTING ENGINEERS
ALAMEDA | AUBURN | LOS ANGELES | NEOSHO
SAN DIEGO | SANTA BARBARA
https://www.engent.com

REGISTERED PROFESSIONAL ENGINEER SCOTT WHEELER ELECTRICAL STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

08.23.2024	BID SET

LIGHTING PLAN

E2.1

[redacted]

8/22/2024 4:16:10 PM Copyright WMB, Inc.



1 POWER & TELECOM PLAN

SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES

A. PROVIDE TAMPER PROOF RECEPTACLES FOR DEVICES ACCESSIBLE TO THE PUBLIC.

NUMBERED SHEET NOTES

1. LOCATE POWER AND DATA DEVICES FOR AV RACK. PROVIDE 12- DATA DROPS FROM IDF AND 2-120V 20A CIRCUITS. PROVIDE 2- 1.5"CONDUITS STUBBED ABOVE ACCESSIBLE CEILING FOR DATA/AV.
2. LOCATE POWER FOR MOTORIZED PROJECTION SCREEN.
3. LOCATE POWER AND DATA DEVICES FOR PROJECTOR WITH CEILING MOUNT ENCLOSURE. COORDINATE EXACT LOCATION WITH AV CONTRACTOR.
4. PROVIDE 120V FOR MOTORIZED SHADES. COORDINATE MOUNTING LOCATION WITH WINDOW SHADE CONNECTION POINT AND MANUFACTURER RECOMMENDATIONS. SHADES SHALL BE OPERATED WITH WIRED CONTRO, PROVIDE ADDITIONAL COMMUNICATIONS CONDUIT AS REQUIRED, REFER TO ARCHITECTURAL PLANS.
5. LOCATE DEVICES FOR CFCI FLAT PANEL DIGITAL SIGNAGE DISPLAY. COORDINATE WITH AV SPECIFICATIONS AND SCHEDULES. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATIONS. REFER TO DETAIL SHEETS FOR INSTALLTION REQUIREMENTS.
6. PROVIDE 120V FOR SLIDING DOORS. COORDINATE CONNECTION POINT AND REQUIREMENTS WITH MANUFACTURER AND ARCHITECTURAL PLANS.
7. PROVIDE JUNCTION BOX AND CONDUIT FOR POWER AND DATA FOR FUTURE DIGITAL DISPLAY. COORDINATE HEIGHT WITH OWNER PRIOR TO SETTING WALL BOXES.
8. PROVIDE 120V FOR AUTO DOOR OPERATOR. COORDINATE WITH ARCHITECTURAL DRAWINGS AND PROVIDE PATHWAYS TO WALL MOUNTED CONTROLS.
9. COORDINATE MOUNTING HEIGHT FOR MICROWAVE WITH ARCHITECT PRIOR TO ROUGH-IN.
10. PROVIDE DEDICATED CIRCUIT FOR PRINTER IN FLOOR BOX.
11. LOCATE 2 PORT DATA DEVICE 6" ABOVE CEILING IN LOCATION ACCESSIBLE FROM BELOW.
12. PROVIDE DATA MOUNTED ON MULLION ABOVE DOOR FOR PEOPLE COUNTING DEVICE
13. COORDINATE MOUNTING OF DEVICES WITH DISPLAY CABINET CONNECTION REQUIREMENTS. REFER TO ARCHITECUTRAL DRAWINGS FOR DISPLAY CASE DETAILS
14. PROVIDE 120V CONNECTION FOR MAGNETIC DOOR HOLD.

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

South Davis Library
2700 COWELL BLVD
DAVIS, CA 95616

WMB Project No. 19-022

The Engineering Enterprise
CONSULTING ENGINEERS
ALAMEDA | AUBURN | LOS ANGELES | NEOSHO
SAN DIEGO | SANTA BARBARA
https://www.engent.com

REGISTERED PROFESSIONAL ENGINEER
ROBERT WHEELER
ELECTRICAL
STATE OF CALIFORNIA
Exp. 06/30/2025

NOT FOR CONSTRUCTION

08.23.2024	BID SET

POWER & TELECOM PLAN

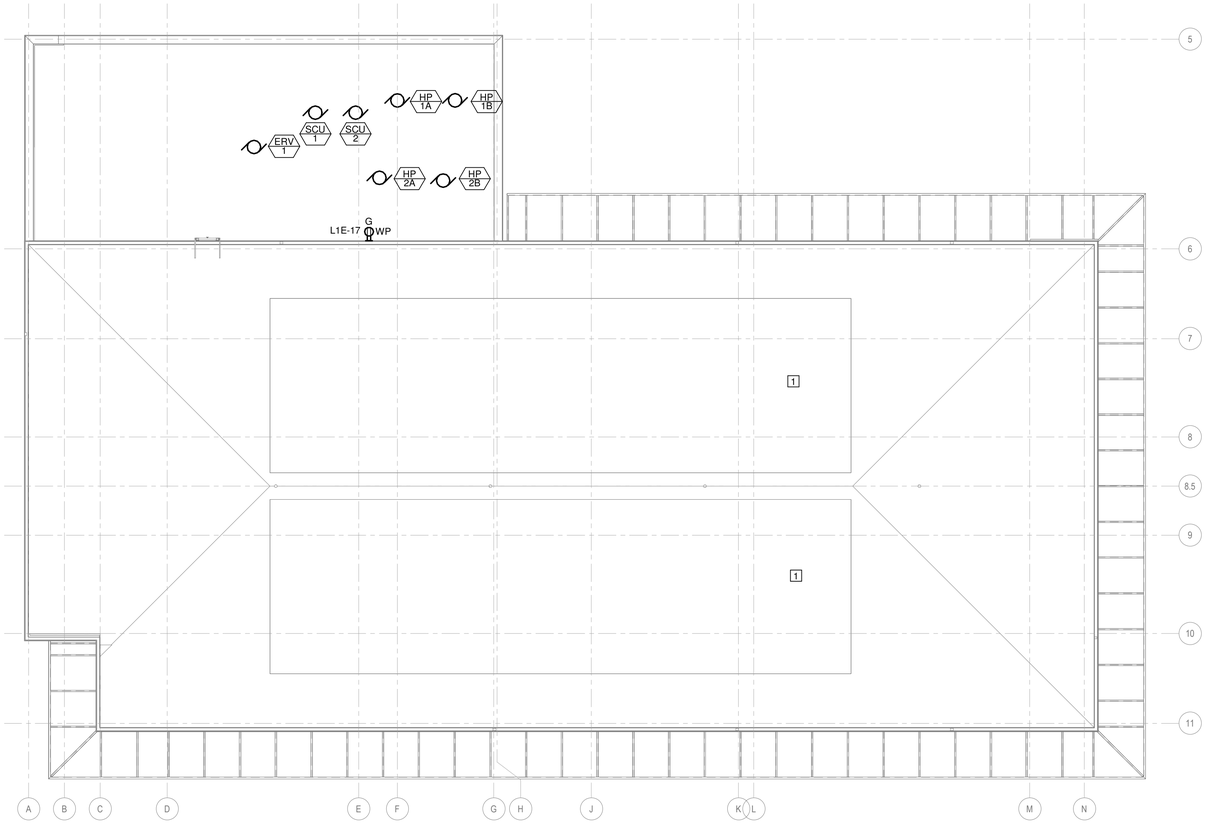
E3.1

9/22/2024 4:16:15 PM

Copyright WMB, Inc.

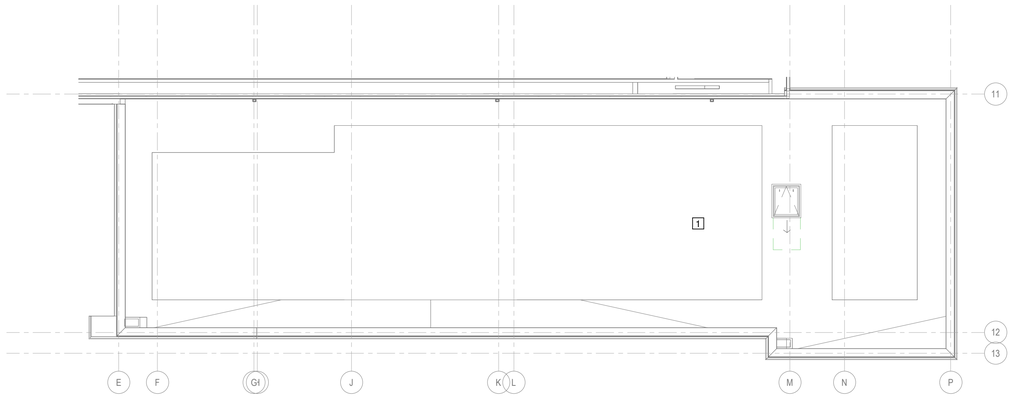
NUMBERED SHEET NOTES

1 PV PANEL ARRAY. REFER TO POWER ONE LINE DIAGRAM ON SHEET E6.1.



1 ROOF ELECTRICAL PLAN

SCALE: 1/8" = 1'-0"



2 LOW ROOF ELECTRICAL PLAN

SCALE: 1/8" = 1'-0"

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

South Davis Library
2700 COWELL BLVD
DAVIS, CA 95616

WMB Project No. 19-022

The Engineering Enterprise
CONSULTING ENGINEERS
ALAMEDA | AUBURN | LOS ANGELES | NEOSHO
SAN DIEGO | SANTA BARBARA
https://www.engent.com

REGISTERED PROFESSIONAL ENGINEER
Eric Wheeler
ELECTRICAL
STATE OF CALIFORNIA

NOT FOR CONSTRUCTION

08.23.2024	BID SET

ROOF ELECTRICAL PLAN

E3.2

8/22/2024 4:16:15 PM

Copyright WMB, Inc.



NUMBERED SHEET NOTES

1. PROVIDE 16RU WALL MOUNTED AV RACK. PROVIDE ZERO CLEARANCE LATCHING SYSTEM MINIMUM 150 CFM COOLING FANS.
2. PROVIDE CEILING RECESSED PROJECTION SCREEN, 137" DIAG, 16:10.
3. PROVIDE 7000 LUMEN LASER PROJECTOR. PROVIDE FSR CB-12P CEILING MOUNT. PROVIDE ANTI-THEFT PARTS AND ACCESSORIES FOR PROJECTOR AND MOUNT.
4. PROVIDE CEILING MOUNTED PARTITION SENSOR.
5. PROVIDE CEILING MOUNTED WIRELESS MICROPHONE ANTENNA.
6. PROVIDE 65" COMMERCIAL DIGITAL SIGNAGE DISPLAY. PROVIDE ADA COMPLIANT MOUNT.
7. PROVIDE J BOX FOR CARD READER AT LOCATION INDICATED WITH ARROW AT +42" AND 1"C TO SECURITY CONTROL PANEL. COORDINATE MOUNTING AND FINAL LOCATION WITH SECURITY VENDOR, CONDUCTORS NIEC.

1 SPECIAL SYSTEMS PLAN

SCALE: 1/8" = 1'-0"

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

South Davis Library
2700 COWELL BLVD
DAVIS, CA 95616

WMB Project No. 19-022

The Engineering Enterprise
CONSULTING ENGINEERS
ALAMEDA | AUBURN | LOS ANGELES | NEOSHO
SAN DIEGO | SANTA BARBARA
https://www.engent.com

REGISTERED PROFESSIONAL ENGINEER
ROBERT WHEELER
ELECTRICAL
STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

08.23.2024	BID SET

SPECIAL SYSTEMS PLAN

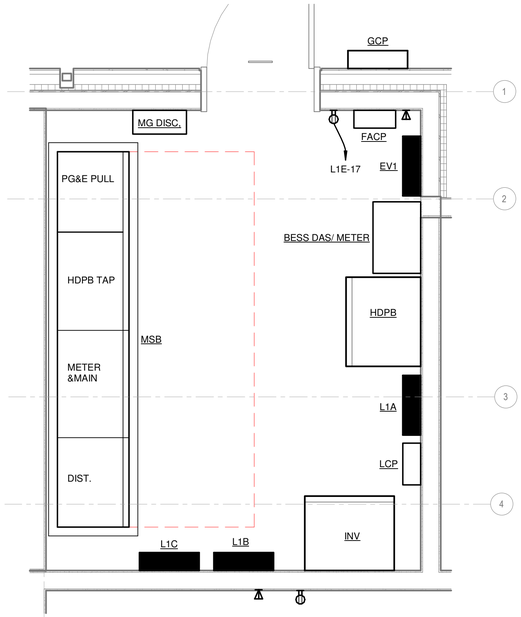
E4.1

8/22/2024 4:16:23 PM

Copyright WMB, Inc.

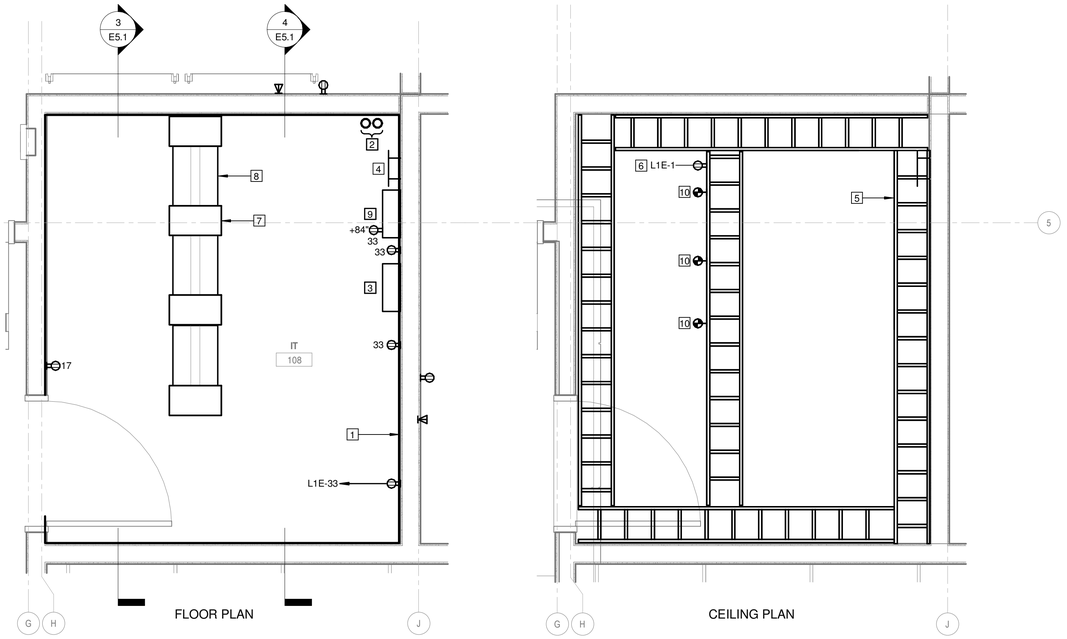
NUMBERED SHEET NOTES

1. TYPICAL, PROVIDE PLYWOOD BACKBOARD, 8'H X 0.75" COMMUNICATIONS GRADE AROUND PERIMETER OF THE IDF ROOM AT +3" AFF TO 99" AFF AT TOP OF BOARD.
2. 2-4"C STUP UP INTO IDF ROOM FROM SITE TELECOM PULLBOX. STUB UP CONDUIT A MINIMUM OF 4" ABOVE FLOOR. REFER TO SITE PLAN ON SHEET E1.1 FOR ROUTING.
3. 110-TYPE WALL FIELD FOR COPPER TERMINATION.
4. PROVIDE TELECOMMUNICATION MAIN GROUND BUS BAR (TMGB). MOUNT 6" BELOW LADDER TRAY.
5. TYPICAL, PROVIDE 12" WIDE CABLE RUNWAY AT +92" AFF, SUPPORT A MAXIMUM OF EVERY 60".
6. PROVIDE DEDICATED 20A CIRCUIT TO RECEPTACLE FOR OFCI RACK MOUNT UPS. COORDINATE FINAL LOCATION WITH COUNTY IT STAFF.
7. 10" VERTICAL WIRE MANAGEMENT BETWEEN EACH RELAY RACK.
8. 45RU 2-POST RELAY RACK, TYPICAL FOR ALL.
9. 110-TYPE WALL FIELD FOR PAGING TERMINATIONS. WALL MOUNTED PAGING EQUIPMENT ABOVE
10. RECEPTACLE FED VIA OFCI RACK MOUNT UPS. COORDINATE FINAL UPS CONNECTION WITH CITY IT STAFF.



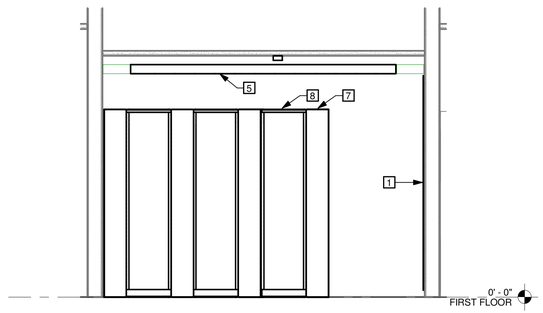
1 ENLARGED PLAN - MAIN ELECTRICAL ROOM

SCALE: 1/2" = 1'-0"



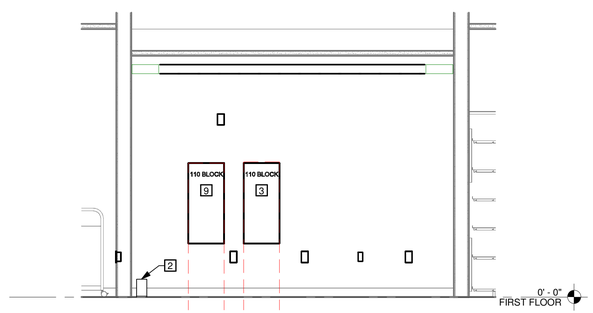
2 ENLARGED PLAN - MDF

SCALE: 1/2" = 1'-0"



3 MDF SECTION

SCALE: 3/8" = 1'-0"



4 MDF SECTION-2

SCALE: 3/8" = 1'-0"

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

South Davis Library
2700 COWELL BLVD
DAVIS, CA 95616

WMB Project No. 19-022

The Engineering Enterprise
CONSULTING ENGINEERS
ALAMEDA | AUBURN | LOS ANGELES | NEOSHO
SAN DIEGO | SANTA BARBARA
https://www.engent.com

REGISTERED PROFESSIONAL ENGINEER
ROBERT WHEELER
ELECTRICAL
STATE OF CALIFORNIA
Exp. 06/30/2025
NOT FOR CONSTRUCTION

08.23.2024	BID SET

ENLARGED PLANS

E5.1

9/22/2024 4:16:23 PM

Copyright WMB, Inc.

VOLTAGE DROP CALCULATIONS

Project: South Davis

Note: Enter Nominal Conductor Sizes except as below:
1/0 = 101, 2/0 = 102, 3/0 = 103, 4/0 = 104

Circuit			Raceway	Conductor				Load				Line-to-Neutral		Line-to-Line		Total Voltage Drop
Designation	Voltage	Phase	Metalic (M) or Non-Metalic (NM)	Material (AL) or (CU)	Nominal Size	Parallel Runs	Length in Feet	AMPS	*Parallel Amps*	Power Factor	*Effective Z*	Volt Drop	%	Volt Drop	%	%
MSB TO L1A	208	3	NM	CU	6	1	10	25.0	25.0	85%	0.44336592			0.19	0.09	
L1A TO FURTHEST SITE LIGHT	120	1	NM	CU	12	1	326	5.0	5.0	85%	1.72844627	5.63	4.70			
Total															**4.79**	**4.79**
MSB TO L1B	208	3	NM	CU	102	1	16	20.0	20.0	85%	0.10765166			0.06	0.03	
L1B TO FURTHEST SITE REC	120	1	NM	CU	12	1	172	1.5	1.5	85%	1.72844627	0.89	0.74			
Total															**0.03**	**0.77**
MSB TO L1C	208	3	NM	CU	250	1	11	198.0	198.0	85%	0.06579809			0.25	0.12	
L1C TO FURTHEST SITE REC	208	1	NM	CU	12	1	120	2.2	2.2	85%	1.72844627	0.92	0.44			
Total															**0.56**	**0.56**
MSB TO EV1	208	3	NM	CU	103	1	39	184.0	184.0	85%	0.08757487			1.09	0.52	
EV1 TO FURTHEST SITE EVSE	208	3	NM	CU	8	1	114	32.0	32.0	85%	0.6903927			4.36	2.10	
Total															**2.62**	**2.62**
MSB TO L1D	208	3	NM	CU	2	1	10	28.0	28.0	85%	0.18520522			0.09	0.04	
L1D TO FURTHEST SITE REC	120	1	NM	CU	12	1	200	4.3	4.3	85%	1.72844627	2.99	2.49			
Total															**2.54**	**2.54**

These Voltage Drop Calculations are made in accordance with Table 9 of Chapter 9 of the National Electrical Code.

FEEDER SCHEDULE

FEEDER SCHEDULE GENERAL NOTES

1. COPPER FEEDER SIZES SHOWN IN THIS SCHEDULE ARE BASED ON CONDUCTORS WITH THHN/THWN-2 INSULATION IN EMT CONDUIT.
2. ALUMINUM FEEDER SIZES SHOWN IN THIS SCHEDULE ARE BASED ON CONDUCTORS WITH XHHW-2 INSULATION IN EMT CONDUIT.
3. FEEDER SIZES SHOWN IN THIS SCHEDULE ARE BASED ON AN AMBIENT TEMPERATURE OF 30 DEGREES C (86 DEGREES F).
4. FEEDERS CONSISTING OF MULTIPLE SETS OF CONDUCTORS AND CONDUITS ARE TO BE PROVIDED WITH THE INDICATED SIZE GROUND CONDUCTOR IN EACH CONDUIT.
5. PER CEC ARTICLE 110.14, ALL FEEDERS SIZED AT #2 AWG OR LESS ARE CALCULATED PER 60 DEGREE TABLE. FEEDERS GREATER THAN #2 AWG ARE RATED 75 DEGREE. 90 DEGREE COLUMN IS USED WHEN APPLYING DERATING FACTORS.

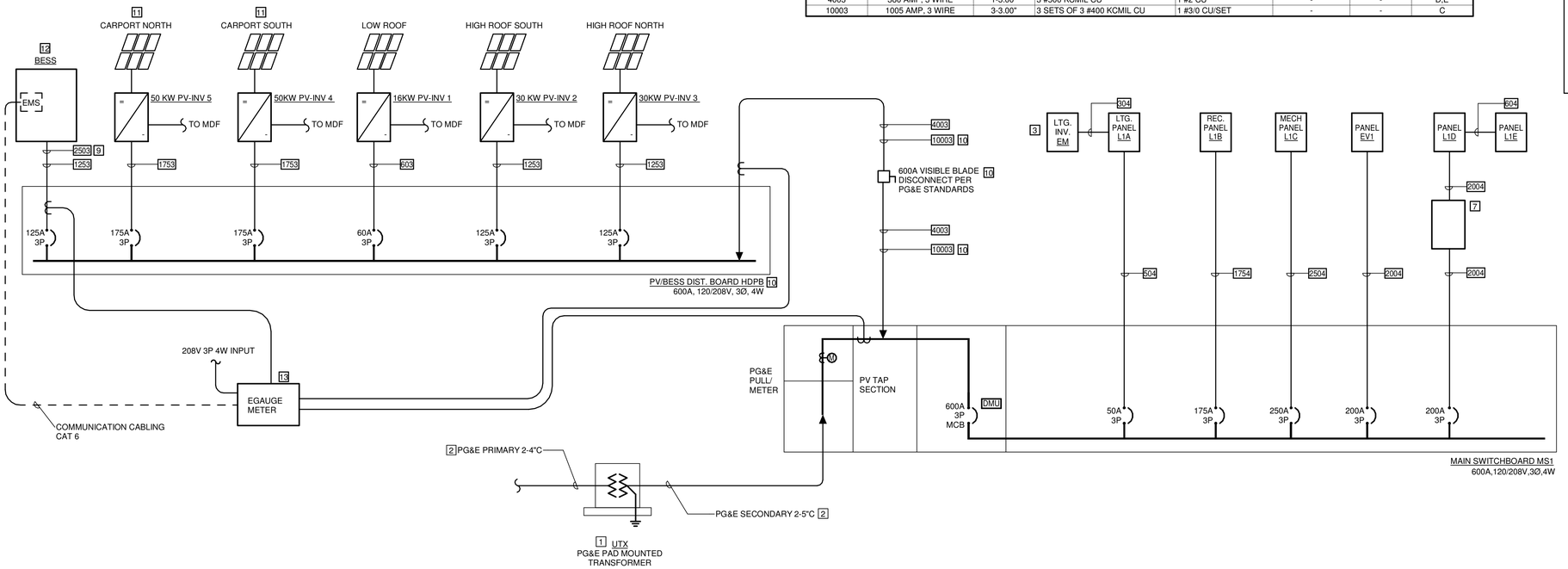
FEEDER SCHEDULE REMARKS

A. OVERSIZED 150% NEUTRAL, SUITABLE FOR SERVICE FROM K-13 RATED TRANSFORMERS.
B. FEEDER APPROVED FOR USE WITH SEPARATELY DERIVED SYSTEM; GROUNDING AS REQUIRED BY CEC ARTICLES 240 AND 250.
C. FEEDER GROUND AND BONDING JUMPER SHALL HAVE AN AREA NOT LESS THAN 12.5% OF THE AREA OF THE LARGEST PHASE CONDUCTOR.
D. INCREASE CONDUIT TO THE NEXT LARGER TRADE SIZE WHEN USING SCHEDULE 40 OR 80 PVC CONDUIT.
E. PER CEC SECTION 240.4(B), FOR OVERCURRENT DEVICES RATED 800A OR LESS, THE NEXT HIGHER STANDARD OVERCURRENT DEVICE RATING (ABOVE THE AMPACITY OF THE CONDUCTORS) CAN BE USED. RULE CAN NOT BE APPLIED IF 100% RATED BREAKERS ARE USED.
F. PER CEC 240.21(C), THE PROVISIONS OF 240.4(B) SHALL NOT BE PERMITTED FOR TRANSFORMER SECONDARY CONDUCTORS.

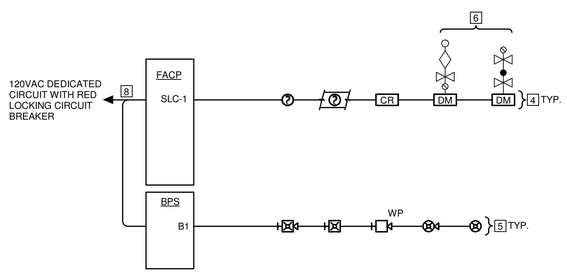
FEEDER TAG	FEEDER DESCRIPTION	CONDUIT	FEEDER CONDUCTORS		SEPARATELY DERIVED SYSTEM		REMARKS
			PHASE/NEUTRAL	GROUND	GROUNDING ELECTRODE	SYSTEM BONDING JUMPER	
304	30 AMP, 4 WIRE	1-0.75"	4 #10 CU	1 #10 CU	-	-	-
504	55 AMP, 4 WIRE	1-1.00"	4 #6 CU	1 #10 CU	-	-	-
603	55 AMP, 3 WIRE	1-1.00"	3 #6 CU	1 #10 CU	-	-	E
604	55 AMP, 4 WIRE	1-1.00"	4 #6 CU	1 #10 CU	-	-	E
1253	130 AMP, 3 WIRE	1-1.25"	3 #1 CU	1 #6 CU	-	-	-
1753	175 AMP, 3 WIRE	1-1.50"	3 #2/0 CU	1 #6 CU	-	-	-
1754	175 AMP, 4 WIRE	1-2.00"	4 #2/0 CU	1 #6 CU	-	-	-
2004	200 AMP, 4 WIRE	1-2.00"	4 #3/0 CU	1 #6 CU	-	-	-
2503	255 AMP, 3 WIRE	1-2.00"	3 #250 KCMIL CU	1 #4 CU	-	-	-
2504	255 AMP, 4 WIRE	1-2.50"	4 #250 KCMIL CU	1 #4 CU	-	-	-
4003	380 AMP, 3 WIRE	1-3.00"	3 #500 KCMIL CU	1 #2 CU	-	-	D,E
10003	1005 AMP, 3 WIRE	3-3.00"	3 SETS OF 3 #400 KCMIL CU	1 #3/0 CU/SET	-	-	C

NUMBERED SHEET NOTES

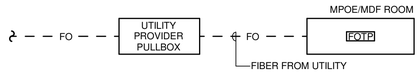
1. PG&E PAD MOUNTED TRANSFORMER, UTX. PROVIDE CONCRETE PAD, BLOCK OUTS, GROUNDING, ETC. PER PG&E STANDARDS.
2. PROVIDE CONDUITS (NUMBER AND SIZE AS INDICATED) FOR UTILITY SERVICE CABLES. CABLES FURNISHED, INSTALLED, AND CONNECTED BY UTILITY COMPANY.
3. PROVIDE 4KVA LIGHTING INVERTER WITH 90 MINUTE RUN TIME. INVERTER SHALL BE PROVIDED WITH 3-20A/1P OUTPUT BREAKERS.
4. ALL FIRE ALARM INITIATING DEVICES, NOTIFICATION DEVICES AND MONITORING DEVICES SHALL BE INTERTIED BACK TO THE FIRE ALARM CONTROL PANEL. REFER TO THE FIRE ALARM SYSTEM FLOOR PLANS AND DRAWINGS FOR LOCATIONS OF ALL WALL AND SITE DEVICES. THE INTERTIE OF THESE DEVICES HAS NOT BEEN SHOWN ON THESE PLANS AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTER AS PART OF THE FIRE ALARM SYSTEM SHOP DRAWINGS. SEE SPECIFICATIONS SECTION 266113 FOR ADDITIONAL REQUIREMENTS.
5. ALL FIRE ALARM SPEAKER DEVICES SHALL BE INTERTIED BACK TO THE EMERGENCY EVACUATION SYSTEM VOICE AMPLIFIER AND SHALL TONE WHEN A FIRE ALARM SOUNDS FOLLOWED BY VOICE COMMANDS PER THE 2022 CALIFORNIA FIRE CODE. REFER TO THE FIRE ALARM SYSTEM FLOOR PLANS AND DRAWINGS FOR LOCATIONS OF ALL WALL AND SITE DEVICES. THE INTERTIE OF THESE DEVICES HAS NOT BEEN SHOWN ON THESE PLANS AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AS PART OF THE FIRE ALARM SYSTEM AND EMERGENCY EVACUATION SYSTEM SHOP DRAWINGS. SEE SPECIFICATIONS SECTION 283100 FOR ADDITIONAL REQUIREMENTS.
6. PROVIDE 3/4" CONDUIT WITH WIRE TO EACH SITE FIRE ALARM VALVE FOR MONITORING. CONFIRM THE QUANTITY, LOCATIONS AND TYPE WITH THE CIVIL AND PLUMBING DRAWINGS.
7. PROVIDE 200A MANUAL TRANSFER SWITCH, NEMA 3R. PROVIDE CAM-LOCK CONNECTION PROVISIONS FOR PORTABLE GENERATOR.
8. REFER TO 1/E7.01 FOR CABLE DETAILS.
9. PROVIDE 250A FEEDER AND OCPD FOR BID ALT. 2.
10. EQUIPMENT AMPERAGE SHALL BE 1000A FOR BID ALT. 2. PROVIDE 1000A FEEDER FOR BID ALT. 2.
11. PV CIRCUIT AND EQUIPMENT (INVERTER, FEEDERS, OCPD, ETC.) IN BID ALT. 2.
12. BATTERY ENERGY STORAGE SYSTEM (BESS) BASIS OF DESIGN IS FORTRESS POWER (SDLA RES) ESPIRE MINI 81KWH, 30KW. MINIMUM BESS SIZE SHALL BE 30KW WITH ONE HOUR DURATION. BESS SHALL BE CAPABLE OF MONITORING PV GENERATION, BUILDING LOAD AND TIME-OF-USE ENERGY PRICING TO OPTIMZE SYSTEM PERFORMANCE FOR COST AND CARBON EMISSIONS REDUCTION. BESS SHALL CONFORM TO ALL REQUIRED CODE AND ULITIY INTERCONNECTION STANDARDS INCLUDING BUT NOT LIMITED TO UL9540A AND UL1741CRD.
13. PROVIDE METER WITH COMPATIBLE COMMUNICATION TO BESS FOR BESS FUNCTINOALITY. METER MANUFACTURER SHALL PROVIDE CONDUCTORS AND CT'S COMPATIBLE WITH SYSTEM.



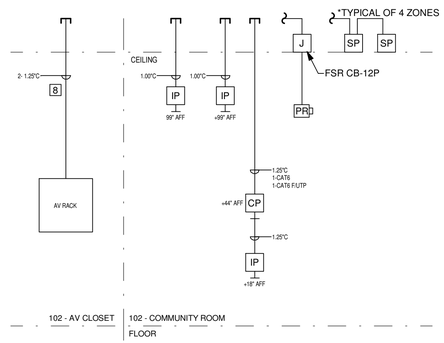
1 POWER ONE LINE DIAGRAM
SCALE:NTS



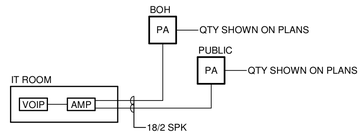
2 FIRE ALARM RISER DIAGRAM
SCALE:NTS



3 FIBER RISER DIAGRAM
SCALE:NTS



4 RM 102 - AV RISER DIAGRAM
SCALE:NTS



5 PUBLIC ADDRESS RISER
SCALE:NTS

WMB ARCHITECTS
5757 Pacific Avenue
Suite 226
Stockton, CA 95207
2000 L Street
Suite 125
Sacramento, CA 95811
T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

South Davis Library
2700 COWELL BLVD
DAVIS, CA 95616

WMB Project No. 19-022

The Engineering Enterprise
CONSULTING ENGINEERS
ALAMEDA | AUBURN | LOS ANGELES | NEOSHO
SAN DIEGO | SANTA BARBARA
https://www.engent.com

REGISTERED PROFESSIONAL ENGINEER
ELECTRICAL
JASON WHEELER
No. E-19000
STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

08.23.2024	BID SET

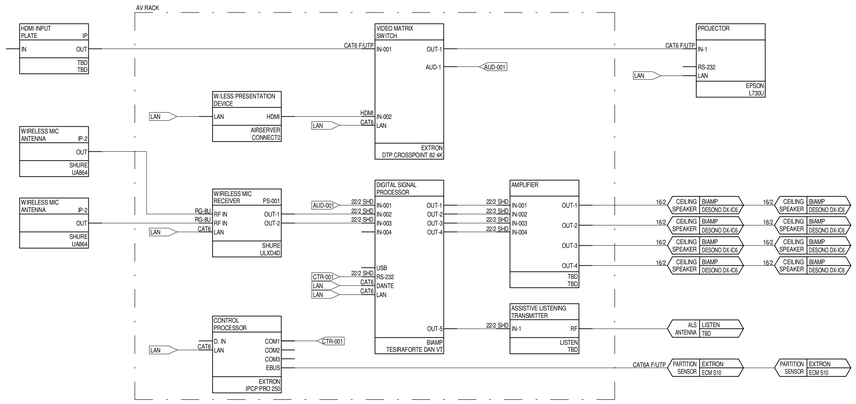
POWER ONE LINE AND RISER DIAGRAMS

E6.1

[redacted]

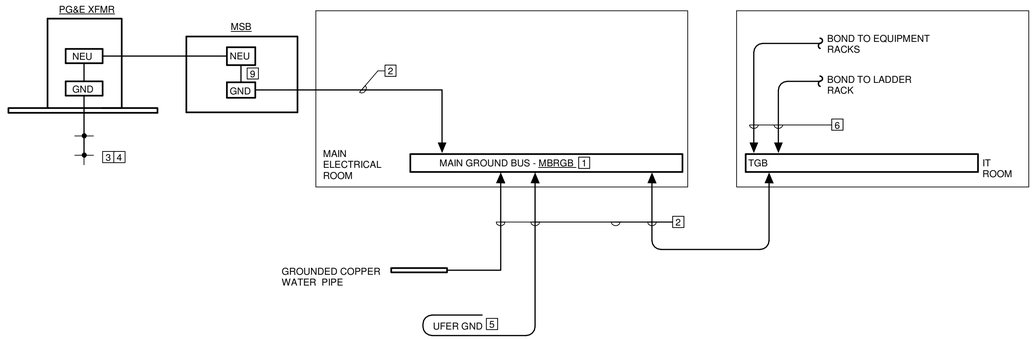
8/22/2024 4:16:23 PM

Copyright WMB, Inc.



1 COMMUNITY ROOM AV FUNCTIONAL DIAGRAM

SCALE: 6" = 1'-0"



2 GROUNDING RISER DIAGRAM

SCALE:NTS

GENERAL NOTES:

A. REFER TO THE LIGHTING CONTROL MATRIX FOR ADDITIONAL REQUIREMENTS.

B. NOT ALL DEVICES SHOWN ON THIS WIRING DIAGRAM WILL BE USED IN EACH ROOM, REFER TO PLANS FOR ACTUAL DEVICE REQUIREMENTS.

NUMBERED SHEET NOTES:

1. REMOTE DIMMING (OR SWITCHING) MODULE, NUMBER OF RELAYS CONTROLLED AS INDICATED ON THE PLANS. MAY CONSIST OF ONE DEVICE WITH MULTIPLE RELAYS, OR MORE THAN ONE SINGLE-RELAY DEVICE. DEVICE SHALL BE LOCATED CONCEALED IN AN EASILY ACCESSIBLE SPACE.

2. CEILING MOUNTED, DUAL TECHNOLOGY OCCUPANCY SENSOR, QUANTITY AS INDICATED ON PLANS. DEVICE SHOWN IN CORNER OF ROOM IS INTENDED TO BE A CORNER MOUNTED SENSOR.

3. DAYLIGHT SENSOR. FEATURE MAY BE INCORPORATED INTO A COMBINATION DEVICE (OCCUPANCY + PHOTOCELL) DEPENDING UPON MANUFACTURER, PROVIDING THAT THE PERFORMANCE OF BOTH SENSORS IS NOT COMPROMISED.

4. PROVIDE BAS INTERFACE TO ALLOW THE SYSTEM TO SHARE OCCUPANCY INFORMATION ON INSTRUCTIONAL SPACES WITH THE HVAC SYSTEM.

5. LOW VOLTAGE DIMMER SWITCH, WITH ON/OFF AND RAISE LOWER CONTROL. DEVICE MAY INCORPORATE OCCUPANCY SENSING IN ADDITION TO, OR IN LIEU OF A CEILING SENSOR, IF THE DEVICE PROVIDES ADEQUATE COVERAGE IN THE SPACE (IN ROOMS UP TO 125 S.F.).LOW VOLTAGE DIMMER SWITCH, WITH ON/OFF AND RAISE LOWER CONTROL. DEVICE MAY INCORPORATE OCCUPANCY SENSING IN ADDITION TO, OR IN LIEU OF A CEILING SENSOR, IF THE DEVICE PROVIDES ADEQUATE COVERAGE IN THE SPACE (IN ROOMS UP TO 125 S.F.).

6. LOW VOLTAGE SCENE CONTROL SWITCH, WITH MINIMUM OF FOUR SCENE CONTROL BUTTONS AND MASTER RAISE LOWER. SCENE BUTTONS SHALL INCLUDE 'LECTURE MODE', 'AV MODE', 'WHITEBOARD ON/OFF', AND 'MASTER ON/OFF'.

7. NETWORK INTERFACE DEVICE, QUANTITY OF DEVICES, OR INTEGRATION OF THIS FEATURE INTO OTHER DEVICES, MAY VARY BY MANUFACTURER. PROVIDE DEDICATED 120V CIRCUIT AND ETHERNET CONNECTION EVEN IF NOT SHOWN ON THE PLANS.

8. NETWORK LIGHTING CONTROL RELAY PANEL FOR CONTROL OF EXTERIOR LIGHTING SHALL BE PART OF THE NETWORK LIGHTING CONTROL SYSTEM.

9. NETWORK LIGHTING CONTROL CABLES PER MANUFACTURER, TYPICALLY CAT5 CABLE WITH RJ45 CONNECTORS.

10. 0-10V WIRING MAY BE RUN IN MC CABLE WITH POWER.

11. RECEPTACLE CONTROL DEVICE COMPATIBLE WITH THE SPECIFIED NETWORK LIGHTING CONTROL SYSTEM, RATED 20A. PROVIDE IN EACH PRIVATE OFFICE, OPEN OFFICE AREA, RECEPTION OR LOBBY AREA, CONFERENCE ROOM, KITCHENETTE OR BREAK ROOM, AND COPY/WORK ROOM.

3 NETWORK LIGHTING CONTROL

SCALE:NTS

NUMBERED SHEET NOTES

1. PROVIDE A 1/4" THICK X 4" HIGH X 24" WIDE (MINIMUM) COPPER REFERENCE GROUND BUS WITH WALL MOUNTING BRACKETS, INSULATORS AND PLEXIGLASS COVER. CONNECTOR HOLES SHALL BE DRILLED TO 9/16" AND SPACED 2" ON CENTER HORIZONTALLY WITH THREE VERTICAL HOLES SPACED 3/4", 1" AND 1-3/4" ON CENTER.
2. PROVIDE #3/0 AWG TYPE THHN GROUND CONDUCTOR WITH GREEN JACKET. ROUTE IN 1.0" C OR BARE CU IN IN CONCRETE SLAB.
3. UTILITY SERVICE GROUNDING SHALL BE IN ACCORDANCE WITH PG&E REQUIREMENTS.
4. PROVIDE #3/0 AWG BARE COPPER OR TYPE THWN GROUND CONDUCTOR WITH GREEN JACKET AND CONNECT BETWEEN GROUND RODS AND EQUIPMENT AS SHOWN.
5. PROVIDE #4/0 AWG BARE COPPER CONCRETE ENCASED GROUNDING ELECTRODE CONDUCTOR (UFER GROUND). CONNECT TO GROUND BUS WITH UL 467 LISTED COPPER GROUNDING COMPRESSION TERMINAL BURNDY #YGA28-2N OR APPROVED EQUAL.
6. PROVIDE #8 INSULATED CU GND.

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

South Davis Library
2700 COWELL BLVD
DAVIS, CA 95616

WMB Project No. 19-022

The Engineering Enterprise
CONSULTING ENGINEERS
ALAMEDA | AUBURN | LOS ANGELES | NEOSHO
SAN DIEGO | SANTA BARBARA
https://www.engent.com

REGISTERED PROFESSIONAL ENGINEER
ERIC WHEELER
ELECTRICAL
STATE OF CALIFORNIA
NOT FOR CONSTRUCTION

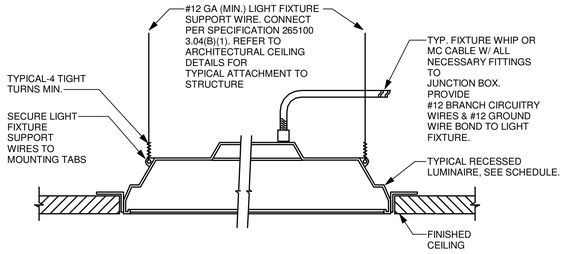
08.23.2024	BID SET

RISER DIAGRAMS

E7.1

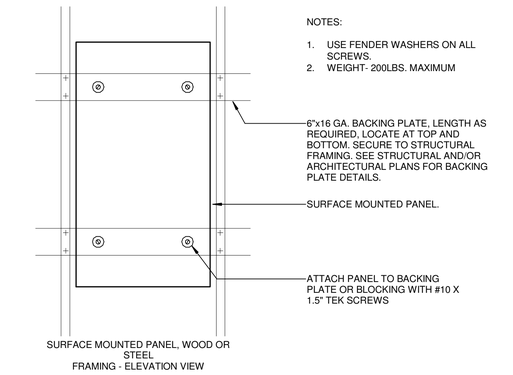
8/22/2024 4:16:24 PM

Copyright WMB, Inc.

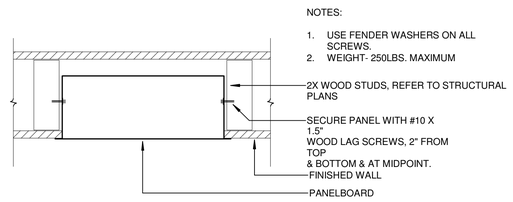


1 RECESSED TROFFER LIGHT FIXTURE

SCALE:NTS



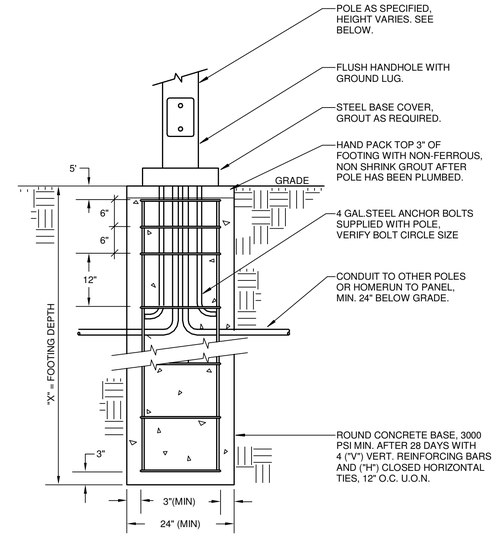
SURFACE MOUNTED PANEL, WOOD OR STEEL
FRAMING - ELEVATION VIEW



RECESSED PANEL IN WOOD OR STEEL FRAMED
WALL - PLAN VIEW

2 SURFACE OR RECESSED PANELBOARD

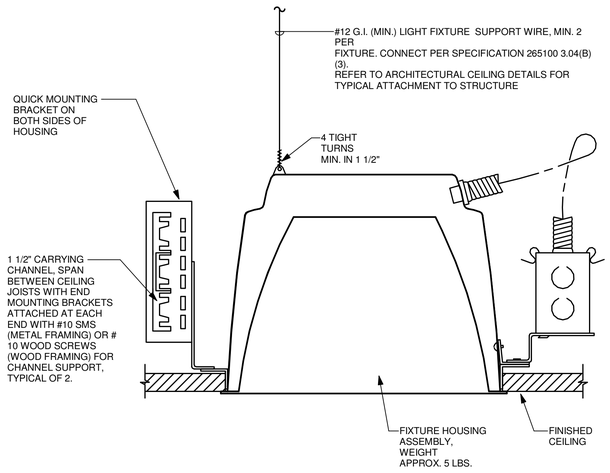
SCALE:NTS



NOMINAL HEIGHT	POLE HEIGHT	BOLT CIRCLE	"H"	"V"	'X'	"Y"
15'-0"	15'-0"	8"-9"	#2	#3	4'-0"	18"
20'-0"	20'-0"	9.5"-11"	#3	#4	5'-0"	24"
25'-0"	25'-0"	9.5"-11"	#3	#4	5'-0"	24"
30'-0"	30'-0"	11.5"-13"	#4	#6	6'-0"	30"

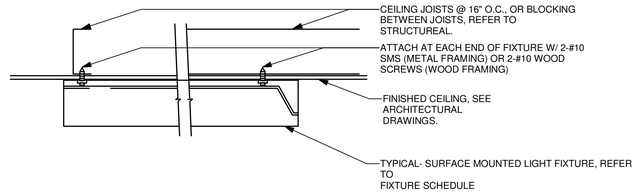
3 FLUSH LIGHTING POLE BASE DETAIL

SCALE:NTS



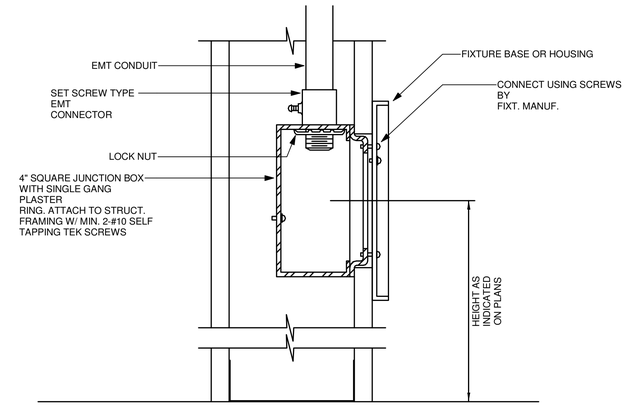
4 RECESSED DOWNLIGHT

SCALE:NTS



5 SURFACE MOUNTED FIXTURE

SCALE:NTS



GENERAL NOTE:

FOR FIXTURES OVER 16" IN LENGTH OR OVER 15 LBS., CONTRACTOR IS TO PROVIDE #16 GAUGE STEEL BACKING ATTACHED TO (3) STUDS WITH (2) #8 SHEET METAL SCREWS PER STUD. ATTACH FIXTURE TO BACKING WITH #10 X 1.5" TEK SCREWS.

6 WALL MOUNTED FIXTURE

SCALE:NTS

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

South Davis Library
2700 COWELL BLVD
DAVIS, CA 95616

WMB Project No. 19-022

The Engineering Enterprise
CONSULTING ENGINEERS
ALAMEDA | AUBURN | LOS ANGELES | NEOSHO
SAN DIEGO | SANTA BARBARA
https://www.engent.com

NOT FOR CONSTRUCTION

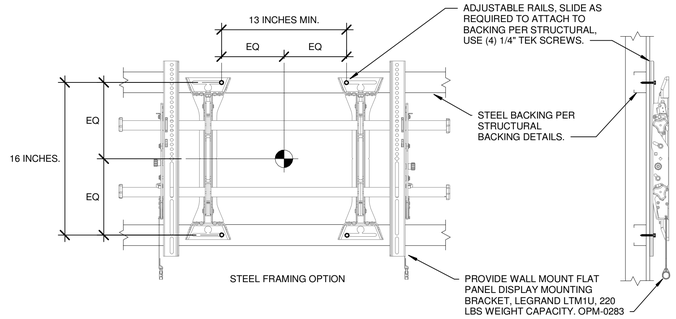
08.23.2024	BID SET

ELECTRICAL DETAILS

E9.1

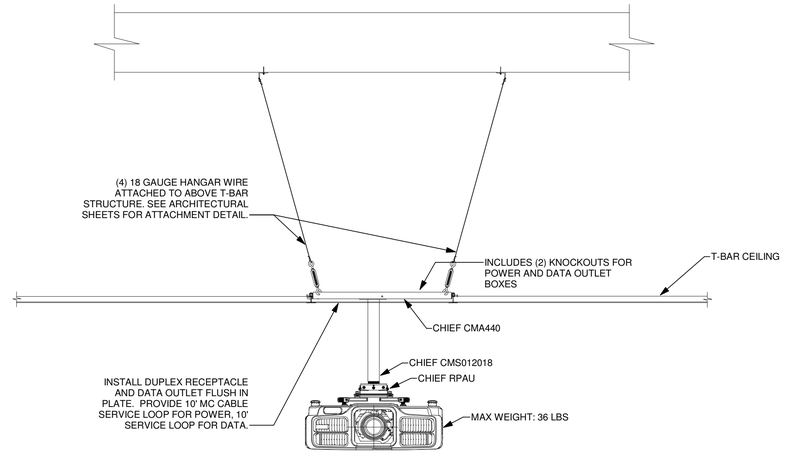
8/22/2024 4:16:24 PM

Copyright WMB, Inc.



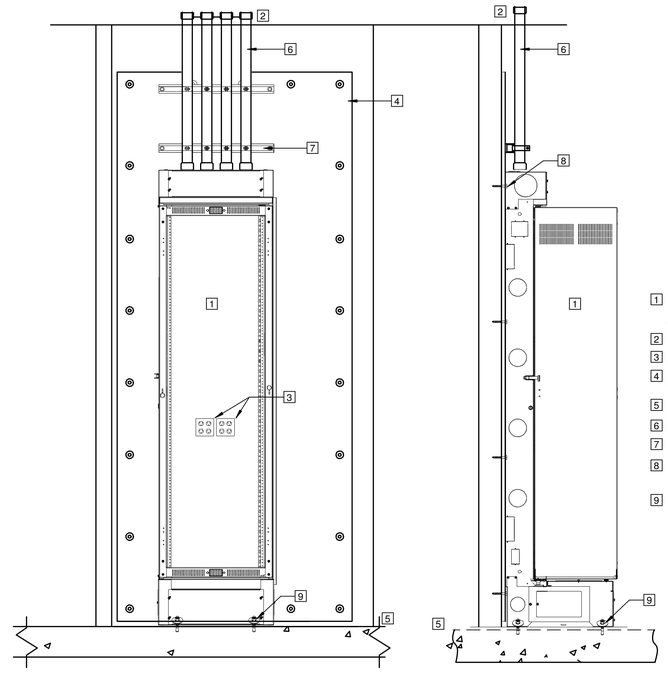
1 FLAT PANEL DISPLAY MOUNT

SCALE: NTS



2 PROJECTOR DETAIL

SCALE: NTS



1 NEW MIDDLE ATLANTIC SR-40-32 WALL CABINET/RACK IDF CABINET. PROVIDE SOLID ENTRY DOOR, VERTICAL LACING BAR, TOP MOUNTED FAN, GROUNDING KIT, EQUIPMENT GROUNDING JUMPER KIT . REFER TO ENCLOSURE G APPROVED PARTS LIST IN LUSD STANDARDS.

2 CEILING

3 2-110V AC DOUBLE DUPLEX RECEPTACLE MOUNTED INSIDE CABINET.

4 4' X 8' X 3/4" PLYWOOD FIRE RATED BACKBOARD COVERING WALL.

5 FINISHED CONCRETE FLOOR

6 PROVIDE 4-2" CONDUITS FROM TOP OF CABINET TO ABOVE ACCESSIBLE CEILING.

7 UNISTRUT RACK WITH CONDUIT STRAPPING.

8 MOUNT CABINET INTO WALL WITH (8) 1/4" LAG BOLTS INTO WOOD BACKING. REFER TO ARCHITECTURAL BACKING DETAILS.

9 MOUNT CABINET INTO FLOOR WITH (4) SETS OF 3/8" KB-TZ EXPANSION ANCHORS, MIN. 2" EMBEDMENT. TEST LOAD = 965#.

3 FLOOR MOUNTED SWING CABINET

SCALE:NTS

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

YOLO COUNTY LIBRARY
We connect people and ideas

South Davis Library
2700 COWELL BLVD
DAVIS, CA 95616

WMB Project No. 19-022

The Engineering Enterprise
CONSULTING ENGINEERS
ALAMEDA | AUBURN | LOS ANGELES | NEOSHO
SAN DIEGO | SANTA BARBARA
https://www.engent.com

REGISTERED PROFESSIONAL ENGINEER
EXPIRES 08/31/2025
SCOTT WHEELER
ELECTRICAL
STATE OF CALIFORNIA

NOT FOR CONSTRUCTION

08.23.2024	BID SET

ELECTRICAL DETAILS CONT.

E9.2

8/22/2024 4:16:26 PM

Copyright WMB, Inc.