

**ADDENDUM
(AD)**

PROJECT: Nebraska Department of Transportation
District 1 Maintenance Facility
Seward, Nebraska

AD NO.: AD-2

DATE: December 10, 2024

DAVIS DESIGN
PROJECT NO.: 24-0034

NDOT PROJECT NO.: AFE K-102

ISSUED BY: Mike Wachal, Coordinating Professional
Ron Larson, Architect
Frank Doland, Civil Engineer (Benesch)
Darin Sperling, Structural Engineer
Megan Ediger, Interior Designer
Brandon Sire, Mechanical Engineer
Jon Dalton, Electrical Engineer

This addendum is issued by the Architect to all known bidders before receipt of proposals, for the purpose of explaining, interpreting, or modifying the original plans and specifications. When enumerated by the bidder upon the proposal sheet, the information or instructions given hereon will be equally binding upon all parties as if included in the original plans and specifications.

BIDDER MUST ENTER THE NUMBER OF THIS ADDENDUM ON HIS PROPOSAL SHEET

THE FOLLOWING ITEMS ARE GENERAL INFORMATION:

AD-2, ITEM 1:

In reference to the Pre-bid Meeting held December 4, 2024, see attached sign-in sheet indicating those in attendance.

THE FOLLOWING ITEMS ARE APPLICABLE TO THE SPECIFICATIONS:

AD-2, ITEM 2:

In reference to Section 033500 – CONCRETE FINISHES, make the following changes:

Under Article 2.1, Paragraph A, Sub-paragraph 1, add Sub-paragraph 'd' reading, "SINAK, LithoHard" as an approved manufacturer, subject to compliance with requirements.

Under Article 2.1, Paragraph B, Sub-paragraph 1, add Sub-paragraph 'd' reading, "SINAK, HS-30" as an approved manufacturer, subject to compliance with requirements.

AD-2, ITEM 3:

In reference to Section 083613 – SECTIONAL DOORS, make the following changes:

Under Article 2.2, Paragraph A, revise Sub-paragraph 1 to read "Provide galvanized finish to tracks."

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Under Article 2.2, Paragraph B, revise Sub-paragraph 1 to read "Provide galvanized finish to track reinforcement and supports."

Under Article 2.5, Paragraph A, Add Sub-paragraph '3' reading "Provide Heavy Duty Waterproof NEMA 4 OVHD Operators for Wash Bay OVHD Doors 110B & 110D."

AD-2, ITEM 4:

In reference to Section 088000 – GLAZING, make the following changes:

Under Article 2.8, revise Sub-paragraphs A & B to read as follows:

- A. Glass Type GL-1: Clear, Tempered, Kind FT heat-treated float glass.
 - 1. Thickness: 6.0 mm.
- B. Glass Type GL-4: Clear, Heat-strengthened float glass.
 - 1. Thickness: 6.0 mm.

Under Article 2.10, revise Sub-paragraphs A & B to read as follows:

- A. Glass Type GL-2: Low-e-coated, insulating, clear glass, tempered.
 - 1. Overall Unit Thickness: **1 inch**.
 - 2. Outdoor Lite: Kind FT heat-treated float glass.
 - a. Provide tempered where required.
 - b. Thickness: 6.0 mm
 - 3. Interspace Content: 10% Air, 90% Argon in 7/16" space.
 - 4. Low-E Coating: (Guardian SunGuard SNX 62/27) Sputtered on second surface.
 - 5. Indoor Lite: Kind FT heat-treated float glass.
 - a. Provide tempered where required.
 - b. Thickness: 6.0 mm
 - 6. Winter Nighttime U-Factor: 0.29 maximum.
 - 7. Solar Heat Gain Coefficient: 0.27 maximum.
 - 8. Visible Light transmittance: 60 percent minimum.
 - 9. Provide tempered safety glazing and labeling where required.
- B. Glass Type GL-3: Low-e-coated, insulating, clear glass.
 - 1. Overall Unit Thickness: **1 inch**.
 - 2. Outdoor Lite: Heat strengthened clear float glass.
 - a. Thickness: 6.0 mm
 - 3. Interspace Content: 10% Air, 90% Argon in 7/16" space.
 - 4. Low-E Coating: (Guardian SunGuard SNX 62/27) Sputtered on second surface.
 - 5. Indoor Lite: Heat-strengthened clear float glass.
 - a. Thickness: 6.0 mm
 - 6. Winter Nighttime U-Factor: 0.29 maximum.
 - 7. Solar Heat Gain Coefficient: 0.27 maximum.

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8. Visible Light transmittance: 60 percent minimum.
9. Provide tempered safety glazing and labeling where required.

AD-2, ITEM 5:

In reference to Section 089119 – FIXED LOUVERS, under Article 2.2, Paragraph A, Sub-paragraph 2, add Sub-paragraph 'o' reading, "Nailor" as an approved manufacturer, subject to compliance with requirements.

AD-2, ITEM 6:

In reference to Section 095113 – ACOUSTICAL PANEL CEILINGS, under Article 2.5, delete Paragraph D - Privacy Ceiling Blocker Panels, and Paragraph E - Privacy Soundproof Light Covers. These shall not be used on this project.

AD-2, ITEM 7:

In reference to Section 102113 – TOILET COMPARTMENTS, under Article 2.2, Paragraph A, add Sub-paragraph '5' reading, "Hadrian Inc. Solid Plastic Toilet Partitions" as an approved manufacturer, subject to compliance with requirements.

AD-2, ITEM 8:

In reference to Section 237339 – INDOOR, DIRECT GAS-FIRED HEATING AND VENTILATING UNITS, under Article 2.1, Paragraph A, add Sub-paragraph '5' reading "Airedale" as an approved manufacturer, subject to compliance with requirements.

AD-2, ITEM 9:

In reference to Section 271500 – COMMUNICATIONS HORIZONTAL CABLING, make the following changes:

Under Article 2.1, Paragraph A, add Sub-paragraph 3 reading "Panduit."

Under Article 2.2, Paragraph A, add Sub-paragraph 3 reading "Panduit."

Under Article 2.2, Paragraph E, revise the sentence to read "Patch Panel: Systimax 360-IPR-1100-E-GS3-1U-24, or equal by Panduit."

THE FOLLOWING ITEMS ARE APPLICABLE TO THE DRAWINGS:

AD-2, ITEM 10:

In reference to Sheet C-500 – WATER LINE PLAN & PROFILE, see attached revised Sheet C-500 for revisions to 4" Underground Water Line.

AD-2, ITEM 11:

In reference to Sheet S-001 – GENERAL NOTES, SCHEDULES, & DETAILS, see attached revised Sheet S-001 for revisions to load requirements for the PEMB supplier.

AD-2, ITEM 12:

In reference to Sheet S-104 – ROOF FRAMING PLAN, see attached revised Sheet S-104. Design the frame at Grid A for a future frame 20'-0" away. The future addition shall be of similar construction and be a one bay addition.

AD-2, ITEM 13:

In reference to Sheet S-104 – ROOF FRAMING PLAN, see attached revised Sheet S-104 adding cross bracing at Grid H between Grid 1 and Grid 2.

AD-2, ITEM 14:

In reference to Sheet S-104 – ROOF FRAMING PLAN, see attached revised Sheet S-104 for added note for fire main pipe information.

AD-2, ITEM 15:

In reference to Sheet A-101 – FIRST LEVEL FLOOR PLAN, see attached revised Sheet A-101. Missing wall partition tags have been tagged.

AD-2, ITEM 16:

In reference to Sheet A-102 – FIRST LEVEL CEILING PLAN, see attached revised Sheet A-102. The previous equipment bay hatch pattern has been removed to eliminate confusion with the office grid ceiling. The reflected ceiling lights and diffusers have been adjusted to line up with the ceiling grid in the office portion of the building.

AD-2, ITEM 17:

In reference to Sheet A-401 – WALL SECTIONS, see attached revised Sheet A-401. Wall Sections 4 & 5 have been revised.

AD-2, ITEM 18:

In reference to Sheet A-501 – WALL SECTIONS, see attached revised Sheet A-501. Section Detail 11 has been revised.

AD-2, ITEM 19:

In reference to Sheet A-601 – DOOR SCHEDULE AND DETAILS, see attached revised Sheet A-601. Wall partitions have been added/ revised to the Partition Schedule. Aluminum door frame elevations have been revised. Hollow Metal Door Frame elevations have been revised. Door elevations for aluminum framed doors 116 A & 116 B have been revised.

AD-2, ITEM 20:

In reference to Sheet I-101 – FLOOR FINISH PLAN & SCHEDULES, Note 5. on the Room Finish Schedule (RFS) Notes, shall be removed from the Remarks Column on the Room Finish Schedule for Rooms 118 Supervisor or 125 Breakroom. Privacy Ceiling Blocker Tile and Privacy Soundproof Light Covers will not be used on this project.

AD-2, ITEM 21:

In reference to Sheet P-101 – PLUMBING PLANS, see attached revised sheet.

AD-2, ITEM 22:

In reference to Sheet P-401 – PLUMBING ENLARGED PLANS, see attached revised sheet.

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AD-2, ITEM 23:

In reference to Sheet P-601 – PLUMBING SCHEDULES, see attached revised sheet.

AD-2, ITEM 24:

In reference to Sheet M-101 – HVAC PLANS, see attached revised sheet.

AD-2, ITEM 25:

In reference to Sheet M-601 – MECHANICAL SCHEDULES, add Neptronic as an approved manufacturer for the ELECTRIC DUCT HEATER SCHEDULE, subject to compliance with requirements.

AD-2, ITEM 26:

In reference to Sheet E-502 – ELECTRICAL DETAILS AND RISER DIAGRAM, in reference to the Riser Diagram, the feeders shown exiting or entering a panel DOES NOT represent overhead power lines. Feeders to remote buildings shall be routed below grade per the site plan. Feeders to other panels within the building can be routed as preferred by the electrical contractor. Regarding the feeder to building 12805, the feeder shall be changed to two sets of #250kcmil, #6 GND, 2 1/2" C.

AD-2, ITEM 27:

In reference to Sheet E-601 – ELECTRICAL SCHEDULES SCHEDULES, in reference to panel MDP1, revise feeder information for Breaker 6 to read "See Riser" and revise Breaker 7 to be a 225 amp, fixed, spare breaker.

AD-2, ITEM 28:

In reference to Sheet E-701 – ELECTRICAL SITE PLANS, revise Keyed Note 3 by revising the first sentence to read "PROVIDE TWO IN-GRADE DRIVE OVERRATED HAND HOLES, ONE FOR POWER AND ONE FOR COMMUNICATIONS AT THE APPROXIMATE LOCATION SHOWN." Note, the feeder required for building 12805 is not incorporated into the two 2" conduits shown between hand-holes. Those conduits are for the feeders to the fuel island and other miscellaneous loads.

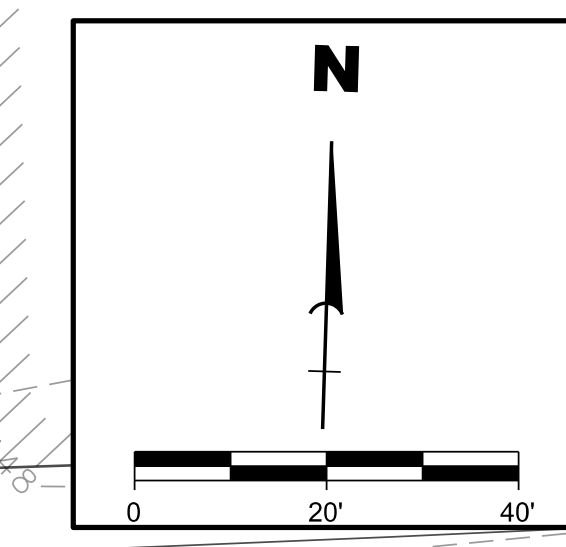
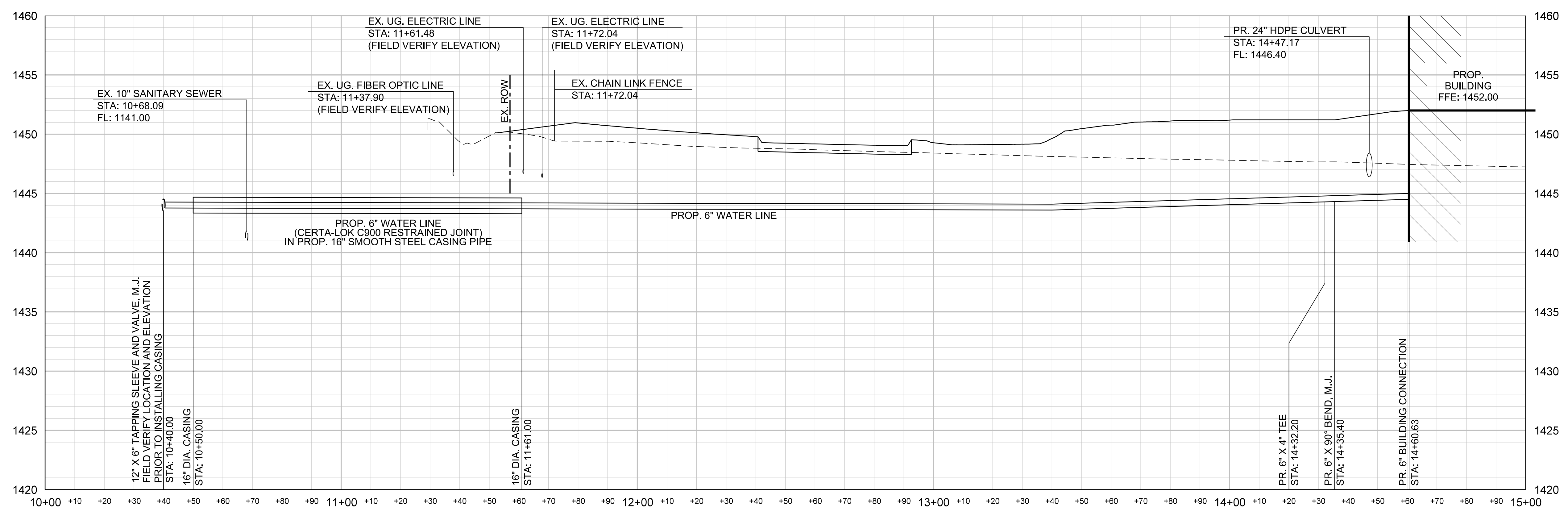
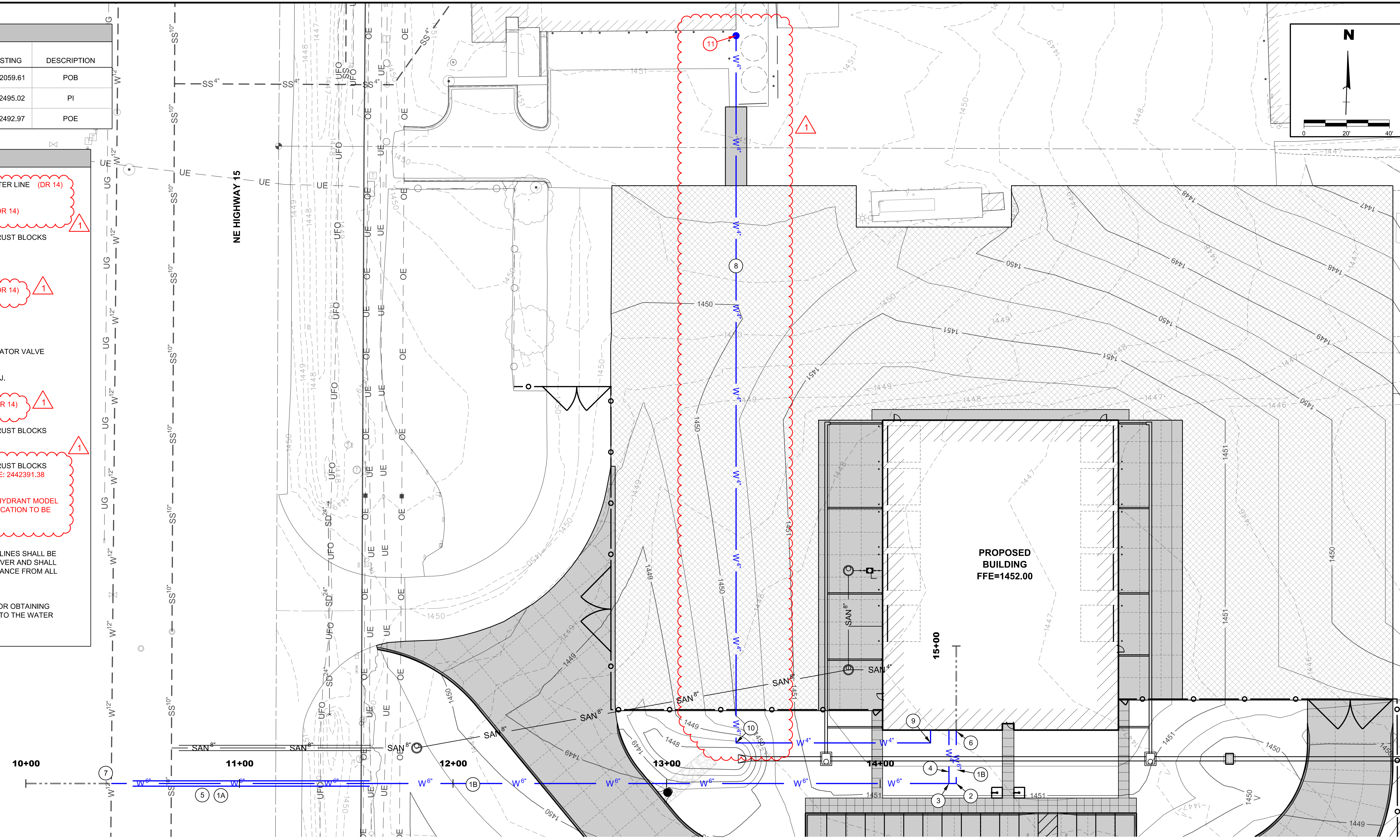
END AD-2

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17.	RAND LAURITZEL	HY ELECTRIC	402-430-3899	rlauritzel@HY-ELECTRIC.LO-4
18.	GARRETT JOHNSON	McCORMICK'S HEATING/HVAC	682-318-8668	GARRETT.JOHNSON@MCCORMICKS-HVAC.COM
19.				
20.				
21.				

WATER LINE ALIGNMENT DATA				
ALIGNMENT	STATION	NORTHING	EASTING	DESCRIPTION
WTR-A	10+00.00	397052.83	2442059.61	POB
	14+35.63	397066.69	2442495.02	PI
	15+00.00	397131.03	2442492.97	POE

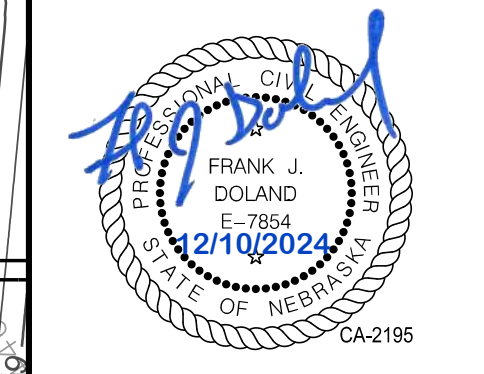
- CONSTRUCTION NOTES**
- 1A CONSTRUCT 6" CERTA-LOK C900 PVC WATER LINE (DR 14) 140 LF
 - 1B CONSTRUCT 6" C900 PVC WATER LINE (DR 14) 282 LF
 - 2 CONSTRUCT 6" X 90° BEND, M.J. WITH THRUST BLOCKS 1 EA
 - 3 CONSTRUCT 6" X 4" TEE, M.J. 1 EA
 - 4 CONSTRUCT 4" C900 PVC WATER MAIN (DR 14) 25 LF
 - 5 CONSTRUCT 14" SMOOTH STEEL CASING (0.375" THICK), BORED IN PLACE 111 LF
 - 6 CONSTRUCT WALL MOUNTED POST INDICATOR VALVE 1 EA
 - 7 CONSTRUCT 12" X 6" TAPPING SLEEVE, M.J. 1 EA
 - 8 CONSTRUCT 4" C900 PVC WATER LINE (DR 14) 378 LF - 430 LF
 - 9 CONSTRUCT 4" X 90° BEND, M.J. WITH THRUST BLOCKS N: 397085.30 E: 2442482.39 1 EA
 - 10 CONSTRUCT 4" X 90° BEND, M.J. WITH THRUST BLOCKS N: 397082.95 E: 2442406.60 N: 397082.40 E: 2442391.38 1 EA
 - 11 WOODFORD FREEZELESS UTILITY YARD HYDRANT MODEL U200, BURY DEPTH TO BE 5'-0". EXACT LOCATION TO BE COORDINATED WITH OWNER. 1 EA
- NOTE: ALL WATER LINES & BRINE WATER LINES SHALL BE CONSTRUCTED WITH A MINIMUM OF 5' COVER AND SHALL HAVE A MINIMUM OF 18" VERTICAL CLEARANCE FROM ALL OTHER UTILITIES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY PERMITS FOR CONNECTING TO THE WATER MAIN SYSTEM.



davis design
 1221 N Street, Suite 800
 Lincoln, NE 68508
 402-479-2200

benesch
 Allied Benesch & Company
 Lincoln, Nebraska 68508
 402-479-2200

Vermillion
 15 East Main, Suite 201
 Vermillion, SD 57069



CLIENT INFORMATION
Nebraska Department of Transportation

2500 S HWY 15
 Seward, NE 68434

PROJECT INFORMATION
Seward Maintenance Facility - 100% BID Package
 JOB # 24-0034

ISSUE DATE 10-22-2024
 ISSUE FOR PROJECT ISSUED FOR

Revisions
 1 12/10/2024 Addendum 2

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 DESIGNED BY [Signature]

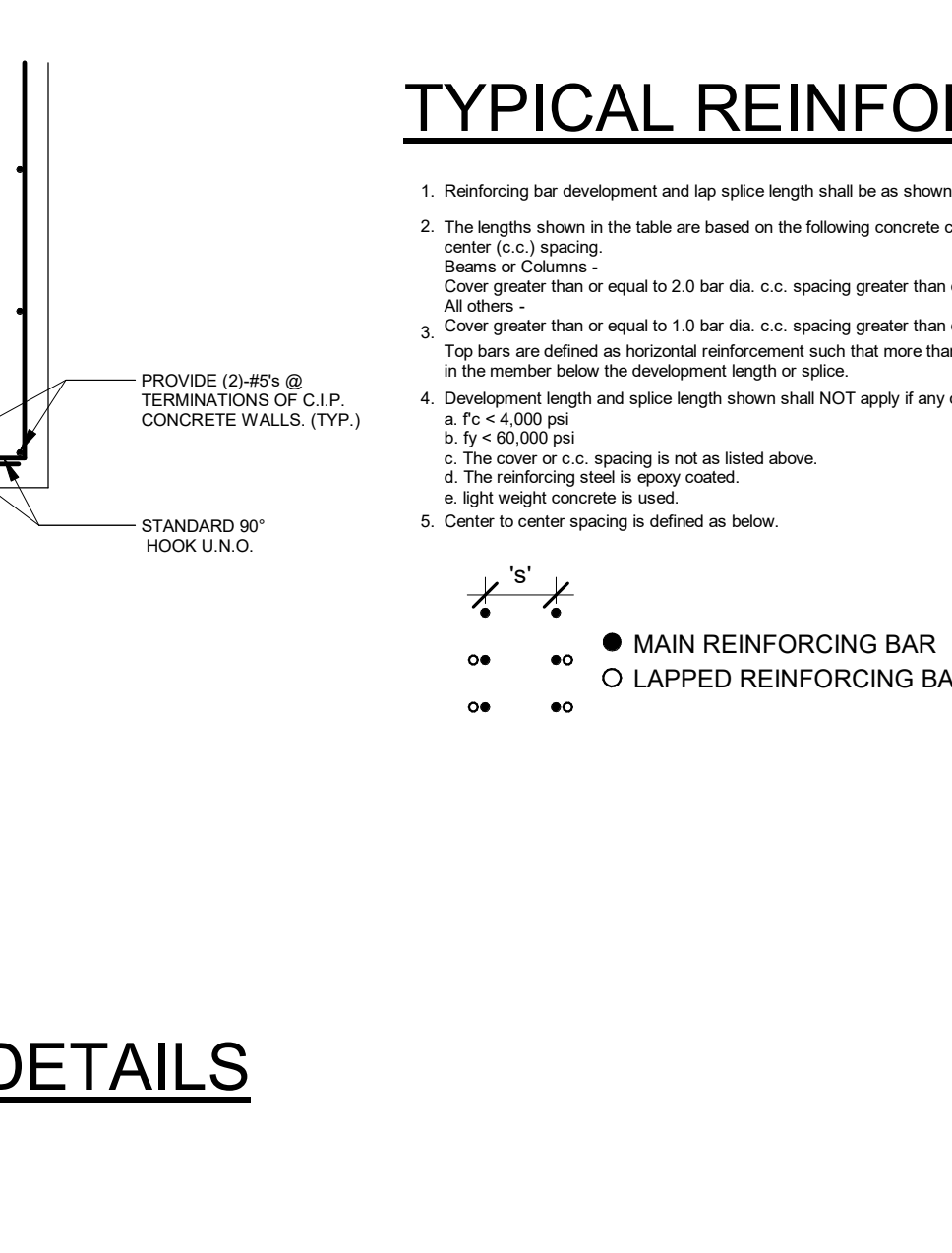
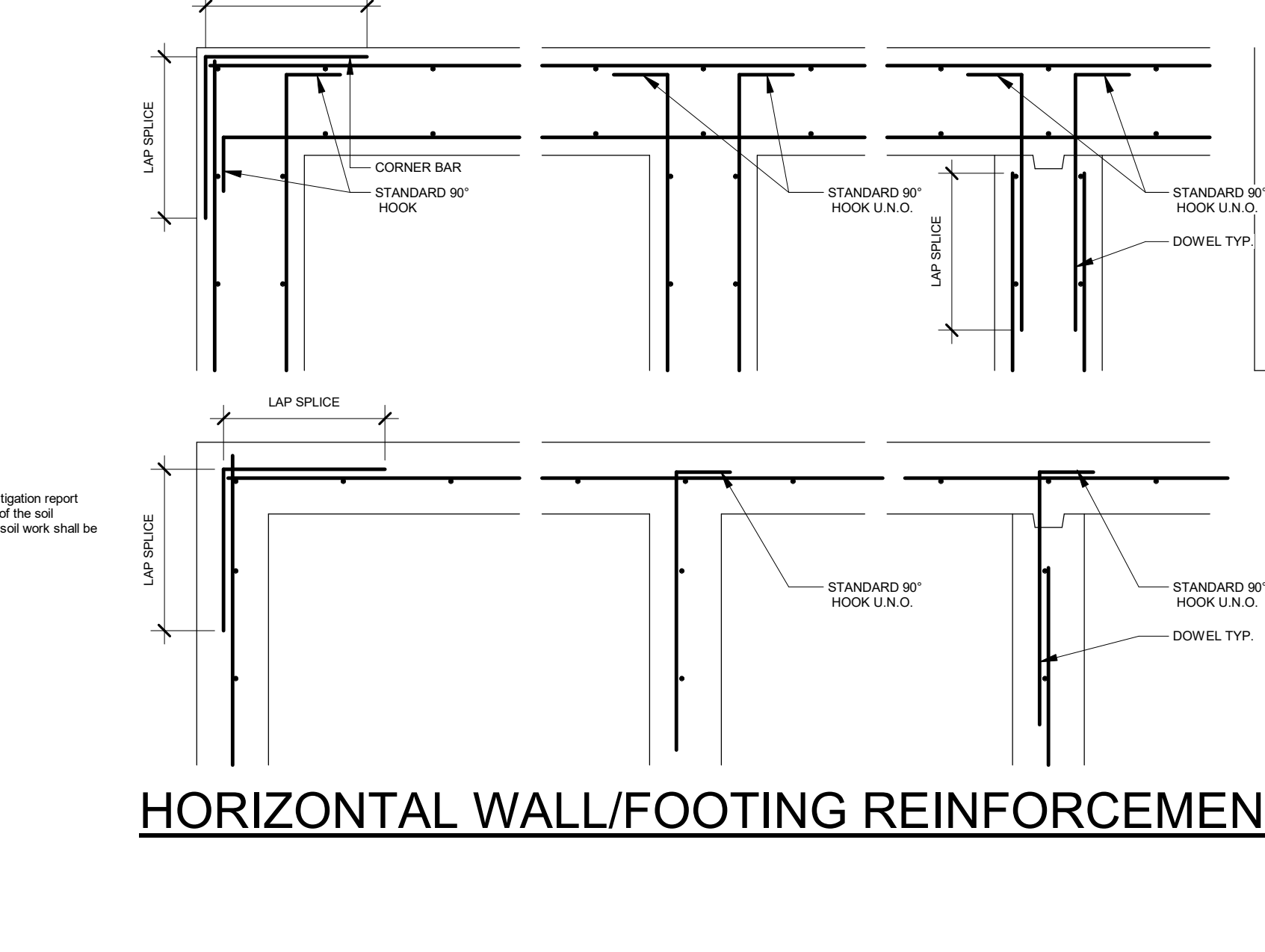
SHEET TITLE
Water Line Plan & Profile

SHEET NUMBER
C-500

benesch
 825 M Street, Suite 100
 Lincoln, Nebraska 68508
 402-479-2200
 Job # 112437.00

- Concrete
1. Footing width not dimensioned shall be a total of 12" wider than the wall above (10" minimum).
 2. All concrete work shall conform to ACI 308 and ACI 318. All rebar shall be placed in accordance with the requirements of ACI 318. All rebar shall be placed in accordance with the requirements of ACI 318.
 3. Concrete shall be set 2" from the bottom of footing and shall extend above the top of footing the same distance as required for the footing and shall extend above the top of footing the same distance as required for the footing and shall extend above the top of footing the same distance as required for the footing.
 4. Corners shall be reinforced with 4 #4 bars in each corner. Corners shall be reinforced with 4 #4 bars in each corner. Corners shall be reinforced with 4 #4 bars in each corner.
 5. All rebar shall be placed in accordance with the requirements of ACI 318. All rebar shall be placed in accordance with the requirements of ACI 318.
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- Special Inspection
1. The CONTRACTOR shall employ the services of an independent inspection agency.
 2. Special inspections shall be performed by an independent inspection agency in accordance with IRC 2018 section 1705. Testing and inspection shall be conducted under the supervision of a professional engineer licensed in the State of Nebraska and employed by the independent inspection agency. The engineer shall be certified by the State of Nebraska as a Professional Engineer in the State of Nebraska. The engineer shall be certified by the State of Nebraska as a Professional Engineer in the State of Nebraska.
 3. The CONTRACTOR shall provide access to the inspection agency at all times during the construction process. The CONTRACTOR shall provide access to the inspection agency at all times during the construction process.
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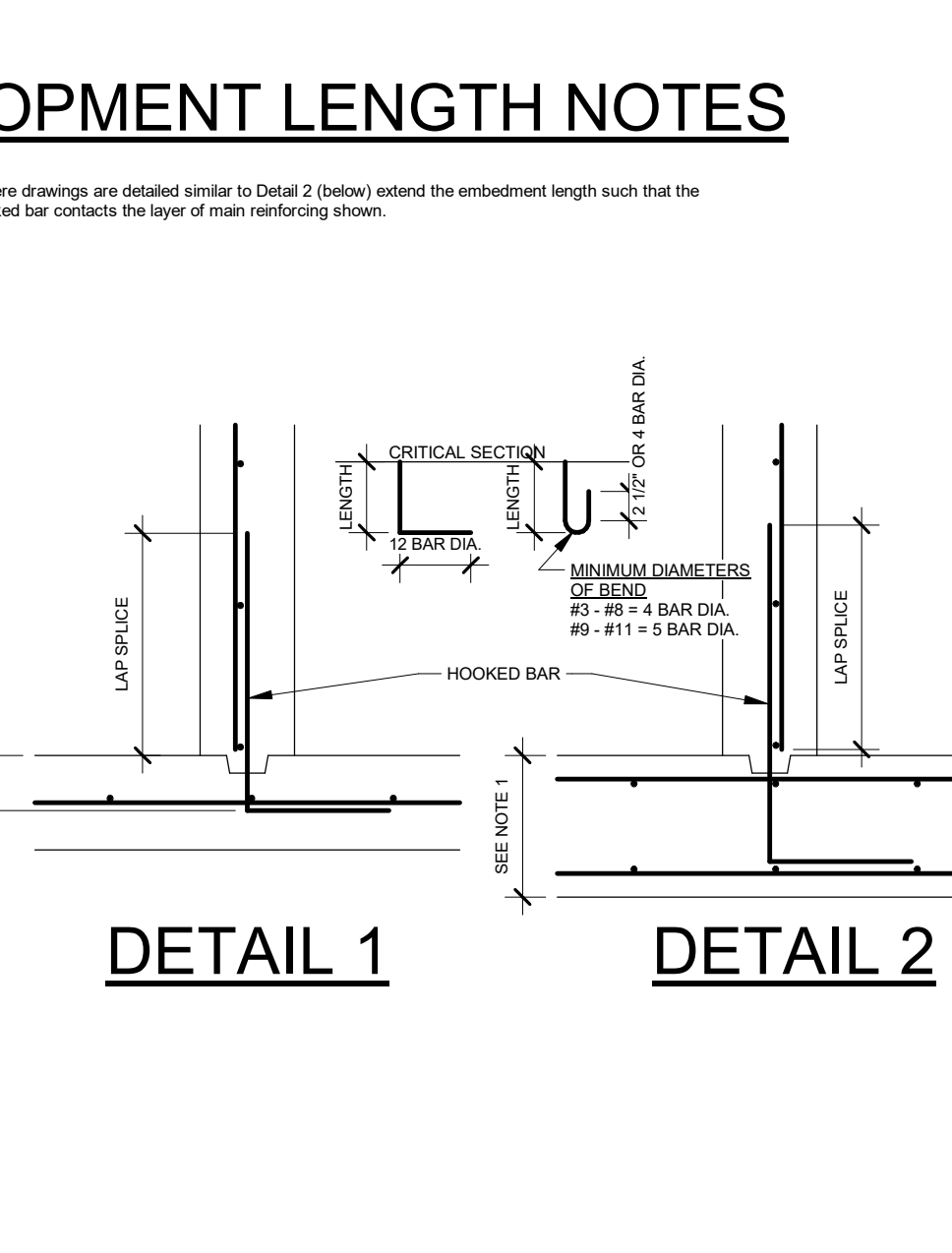


REINFORCING DEVELOPMENT AND LAP LENGTH

BAR SIZE	DEVELOPMENT LENGTH (L _d)		LAP LENGTH (L _l)	
	TOP	BOTTOM	TOP	BOTTOM
#3	1'-0"	1'-0"	1'-0"	2'-4"
#4	1'-0"	2'-0"	2'-0"	3'-1"
#5	2'-4"	3'-0"	3'-0"	3'-11"
#6	2'-9"	3'-7"	3'-7"	4'-8"
#7	4'-0"	6'-0"	6'-0"	6'-0"
#8	4'-0"	6'-0"	6'-0"	7'-9"
#9	5'-0"	7'-7"	7'-7"	8'-0"
#10	5'-0"	7'-7"	7'-7"	9'-0"
#11	6'-0"	8'-4"	8'-4"	10'-0"

DEVELOPMENT LENGTH HOOKED BARS

BAR SIZE	DEVELOPMENT LENGTH OR MINIMUM EMBEDMENT	
	TOP	BOTTOM
#3	9"	9"
#4	11"	11"
#5	1'-2"	1'-2"
#6	1'-0"	1'-0"
#7	1'-0"	1'-0"
#8	1'-1"	1'-1"
#9	1'-1"	1'-1"
#10	2'-4"	2'-4"
#11	2'-7"	2'-7"



HORIZONTAL WALL/FOOTING REINFORCEMENT DETAILS

FOOTING REINFORCING SCHEDULE

MARK	SIZE	REINFORCING		
		CONTINUOUS	VERTICAL	DOWELS
GB-1	1'-4"x2'-4" Deep	2#4's T & B 2#4's H & V	#6 Stirrup @ 24" o.c.	---

COLUMN PAD FOOTING SCHEDULE

PAD MARK	SIZE	PAD FOOTING REINFORCING	DOWELS	ALLOWABLE SOIL BEARING CAPACITY (PSF)
FP-0	3'-0"x3'-0"x4'-0" Deep	(6#4's) Each Way Top & Bottom	---	2,500
FP-6	3'-0"x3'-0"x4'-0" Deep	(6#4's) Each Way Top & Bottom	---	2,500
FP-0	4'-0"x4'-0"x4'-0" Deep	(6#4's) Each Way Top & Bottom	---	2,500
FP-4	4'-0"x4'-0"x4'-0" Deep	(6#4's) Each Way Top & Bottom	---	2,500
FP-0	5'-0"x5'-0"x4'-0" Deep	(6#4's) Each Way Top & Bottom	---	2,500
FP-0	5'-0"x5'-0"x4'-0" Deep	(6#4's) Each Way Top & Bottom	---	2,500
FP-0	6'-0"x6'-0"x4'-0" Deep	(7#4's) Each Way Top & Bottom	---	2,500
FP-0	6'-0"x6'-0"x4'-0" Deep	(7#4's) Each Way Top & Bottom	---	2,500
FP-0	7'-0"x7'-0"x4'-0" Deep	(8#4's) Each Way Top & Bottom	---	2,500
FP-0	8'-0"x8'-0"x4'-0" Deep	(8#4's) Each Way Top & Bottom	---	2,500

REINFORCING SCHEDULE

STRUCTURAL COMPONENT	REINFORCING	REMARKS
4" Concrete Slab On Grade	#4's Epoxy Coated @ 18" o.c. Each Way	See The Plan & Details For More Information
5" Concrete Supported Slab	#4's @ 14" o.c. Each Way	See The Plan & Details For More Information
8" Concrete Slab On Grade	#4's Epoxy Coated @ 14" o.c. Each Way	See The Plan & Details For More Information
3 1/2" Hollowcore Precast	6#6, 10-10 W/M	See The Plan & Details For More Information
10" Concrete Curb	#4's Continous & #4's Hooked U-Bar @ 18" o.c. Epoxy Coated Reinforcing	See The Plan & Details For More Information
10" Concrete Stem Wall	#4's @ 12" o.c. Continous Horizontal Each Way & #4's Hooked U-Bar @ 12" o.c. Epoxy Coated Reinforcing	See The Plan & Details For More Information
12"x12" Concrete Pier	#5's Vertical & #4's Horizontal @ 12" o.c. Maximum @ 2' Top	See The Plan & Details For More Information
14"x16" Concrete Pier	#5's Vertical & #4's Horizontal @ 12" o.c. Maximum @ 2' Top	See The Plan & Details For More Information
18"x18" Concrete Pier	#5's Vertical & #4's Horizontal @ 12" o.c. Maximum @ 2' Top	See The Plan & Details For More Information
18"x24" Concrete Pier	#5's Vertical & #4's Horizontal @ 12" o.c. Maximum @ 2' Top	See The Plan & Details For More Information
18"x30" Concrete Pier	#5's Vertical & #4's Horizontal @ 12" o.c. Maximum @ 2' Top	See The Plan & Details For More Information
24"x24" Concrete Pier	#5's Vertical & #4's Horizontal @ 12" o.c. Maximum @ 2' Top	See The Plan & Details For More Information
24"x30" Concrete Pier	#5's Vertical & #4's Horizontal @ 12" o.c. Maximum @ 2' Top	See The Plan & Details For More Information

- Structural Steel
1. Structural steel shall be fabricated and erected in accordance with "AISC Specification for Design, Fabrication, and Erection of Structural Steel for Buildings".
 2. All steel members shall be protected with fireproofing in accordance with the requirements of the International Building Code (IBC) and the National Fire Protection Association (NFPA).
 3. All steel members shall be protected with fireproofing in accordance with the requirements of the International Building Code (IBC) and the National Fire Protection Association (NFPA).
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 19. All steel members shall be protected with fireproofing in accordance with the requirements of the International Building Code (IBC) and the National Fire Protection Association (NFPA).
 20. All steel members shall be protected with fireproofing in accordance with the requirements of the International Building Code (IBC) and the National Fire Protection Association (NFPA).

- Soils Report
1. A soils investigation has been performed by Alfred Benesch & Company of Lincoln, Nebraska. Copies of the soil investigation report (dated September 27, 2024) can be obtained from the owner. The CONTRACTOR shall be familiar with all provisions of the soil investigation report. The CONTRACTOR shall verify all foundation soil-bearing capacity and soil on grade sub-grade. Remedial soil work shall be recommended by the GEOTECHNICAL ENGINEER.
 2. Allowable soil bearing pressure: 2,500 psf
 3. DESIGN LOADS
 4. Occupancy: I
 5. Live Load: 80 psf
 6. All continuous footings and grade beams have been designed for a 4" thick allowable bearing pressure of 2,500 psf. See the soil report for requirements to achieve the new allowable bearing pressure.
 7. All footings have been designed for a 4" thick allowable bearing pressure of 2,500 psf.
 8. Sub-grade supporting soil in direct contact with footings, walls on grade, or other foundation elements shall be protected against bearing capacity that could cause movement or other detrimental effects to the structure as a whole or to any of its component parts.
 9. All areas on grade shall bear on properly compacted backfill. Any uncompacted backfill as determined by the geotechnical engineer shall be removed and replaced as required by the geotechnical engineer.
 10. The CONTRACTOR shall employ the services of a geotechnical engineer and testing firm to perform all required soil investigations and tests.
 11. Special care shall be taken not to disrupt adjacent construction. The CONTRACTOR is completely responsible for all shoring, bracing, lagging, and other temporary work required for shoring and cutting by reducing the amount of concrete (maximum 3 sacks) in the area and increasing the amount of curing (minimum 45%). Placing and finishing techniques shall also be considered in the design.
 12. See the plan for foot on grade thickness. All mesh reinforcing shall be supplied in sheet stock.
 13. All continuous footings and grade beams have been designed for a 4" thick allowable bearing pressure of 2,500 psf. See the soil report for requirements to achieve the new allowable bearing pressure.
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 20. All continuous footings and grade beams have been designed for a 4" thick allowable bearing pressure of 2,500 psf. See the soil report for requirements to achieve the new allowable bearing pressure.

FOOTING REINFORCING SCHEDULE

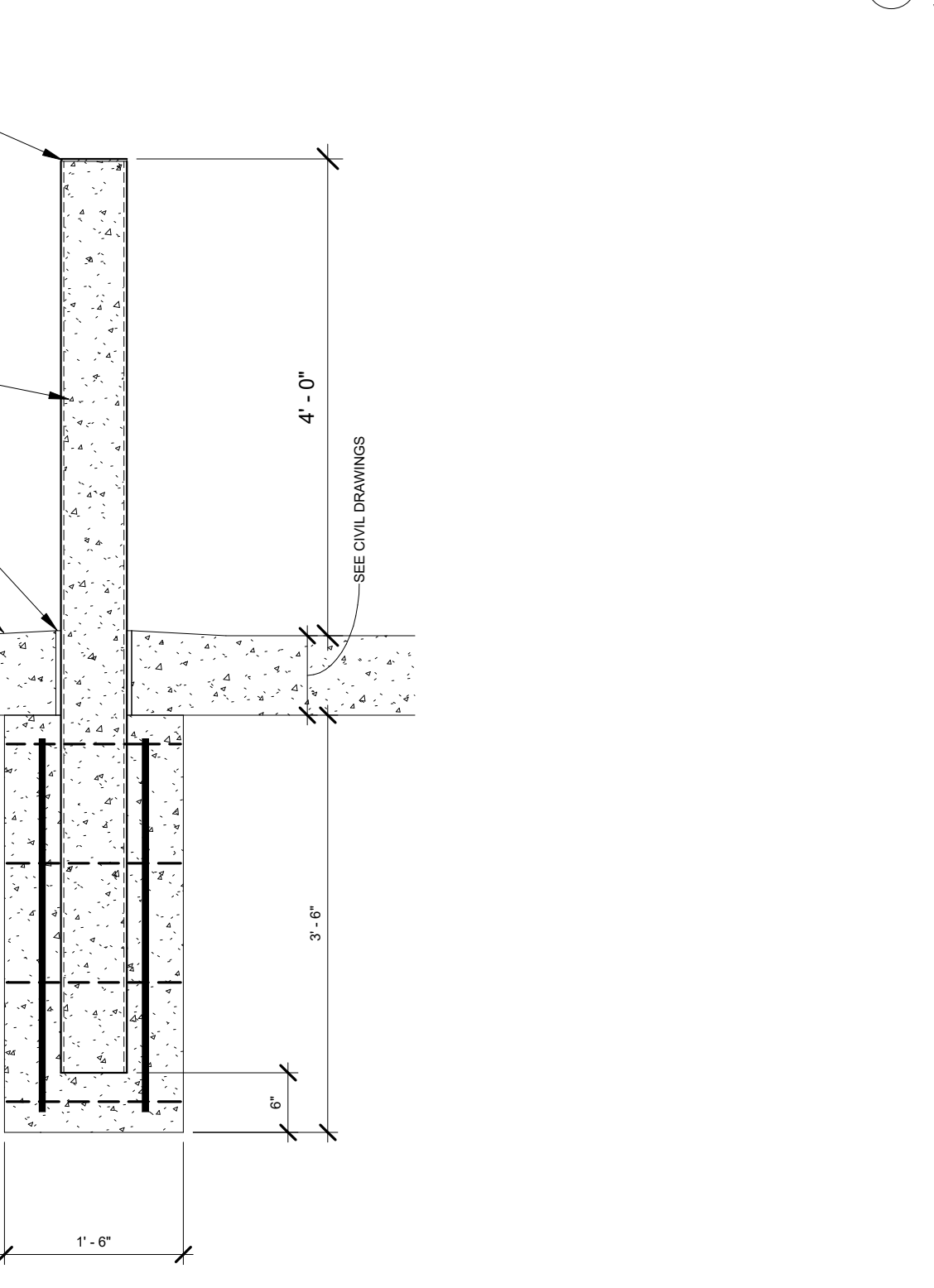
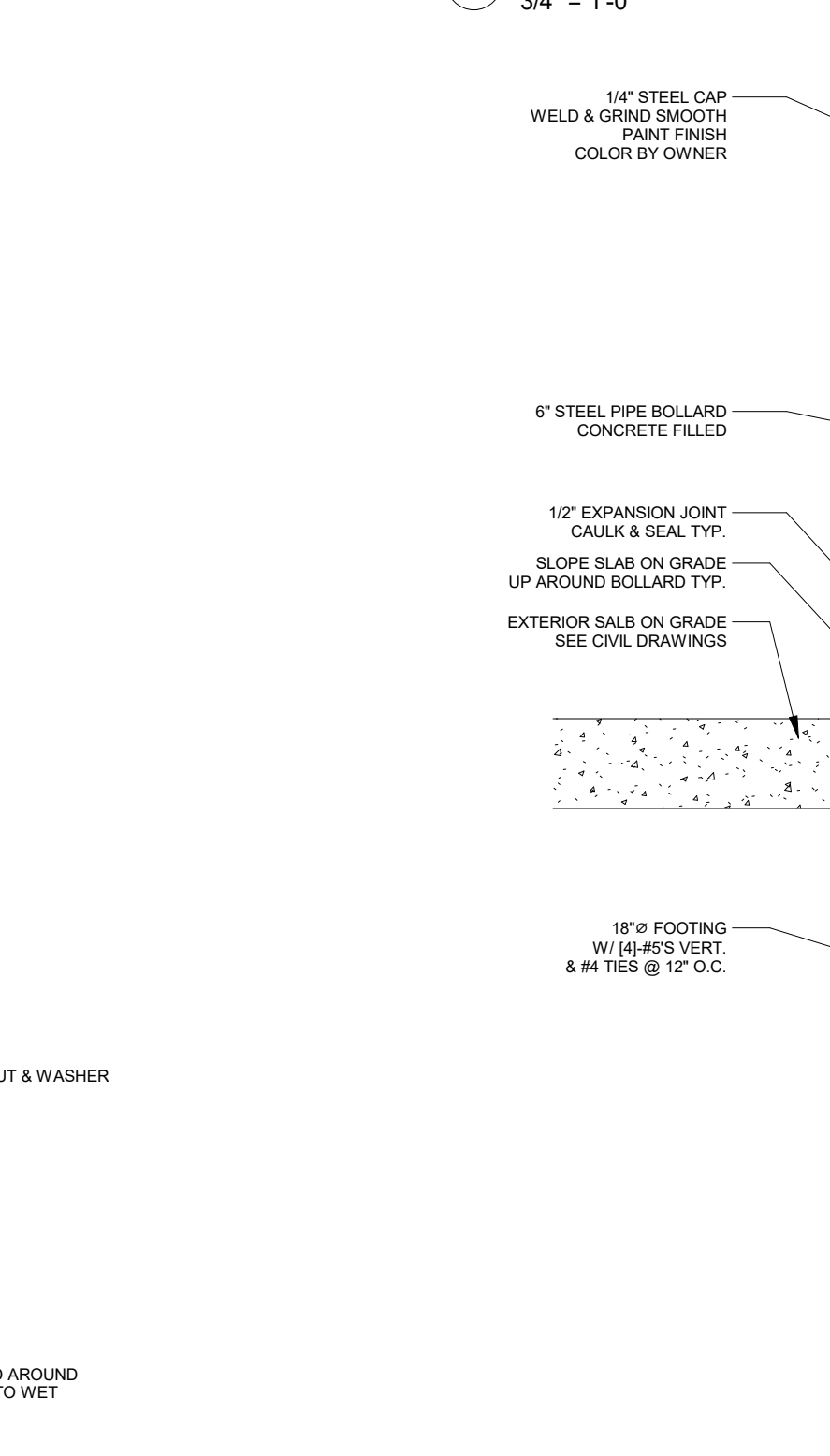
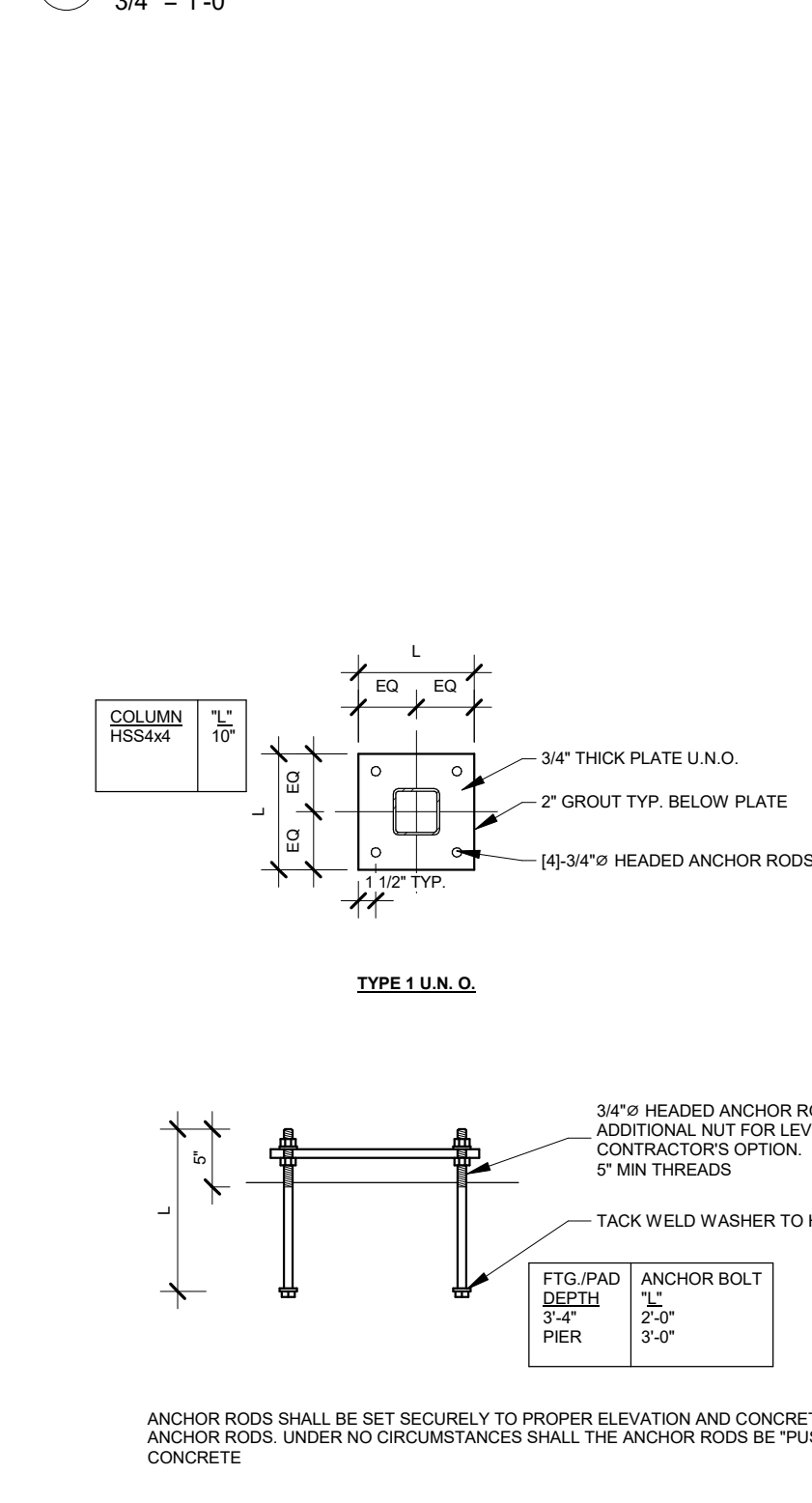
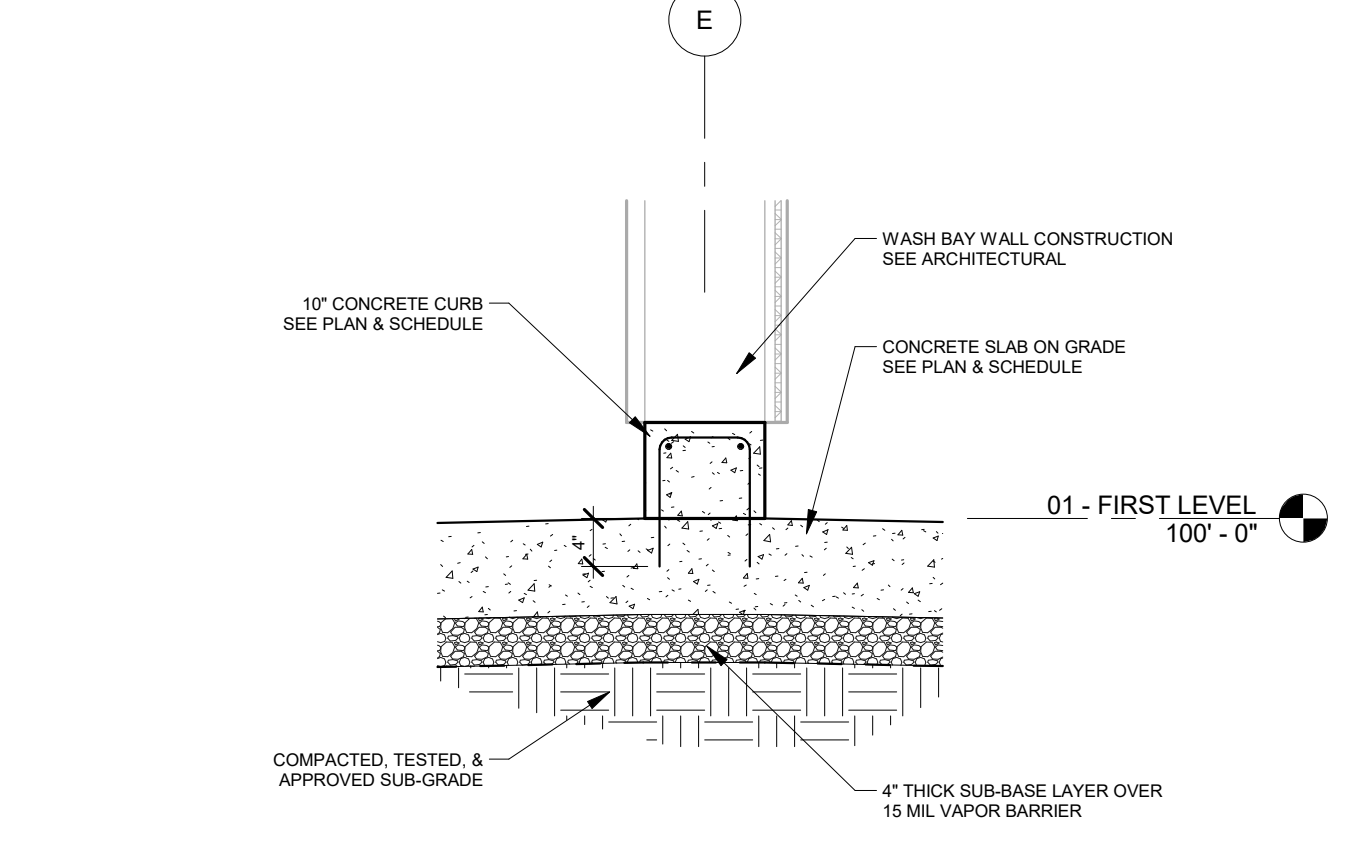
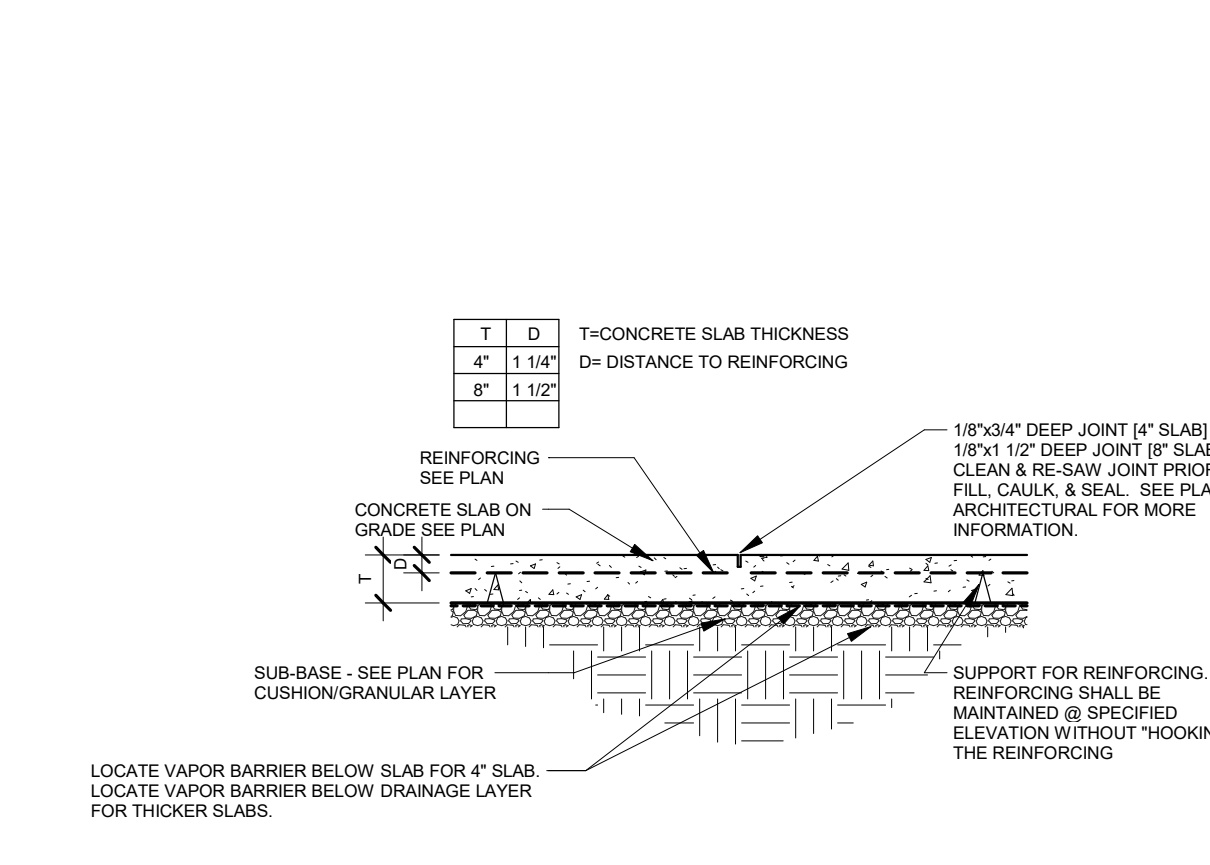
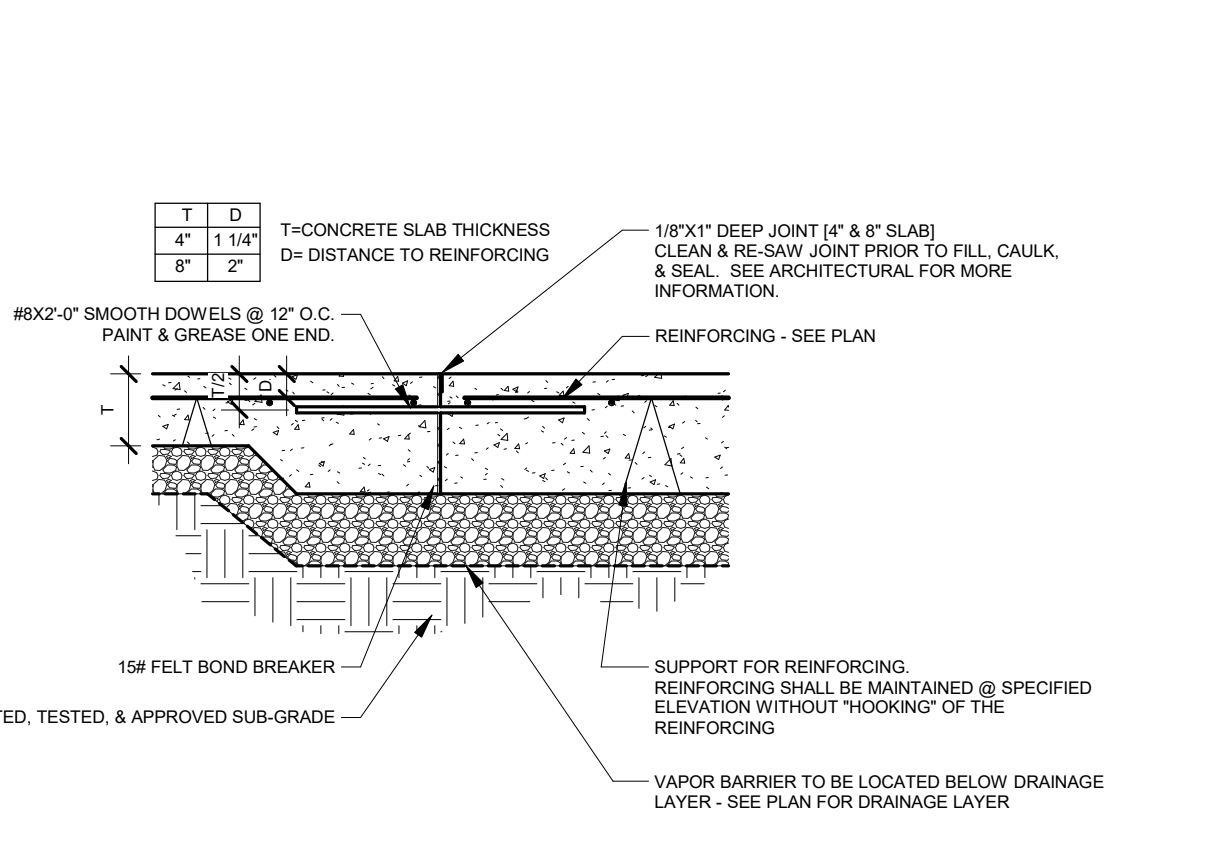
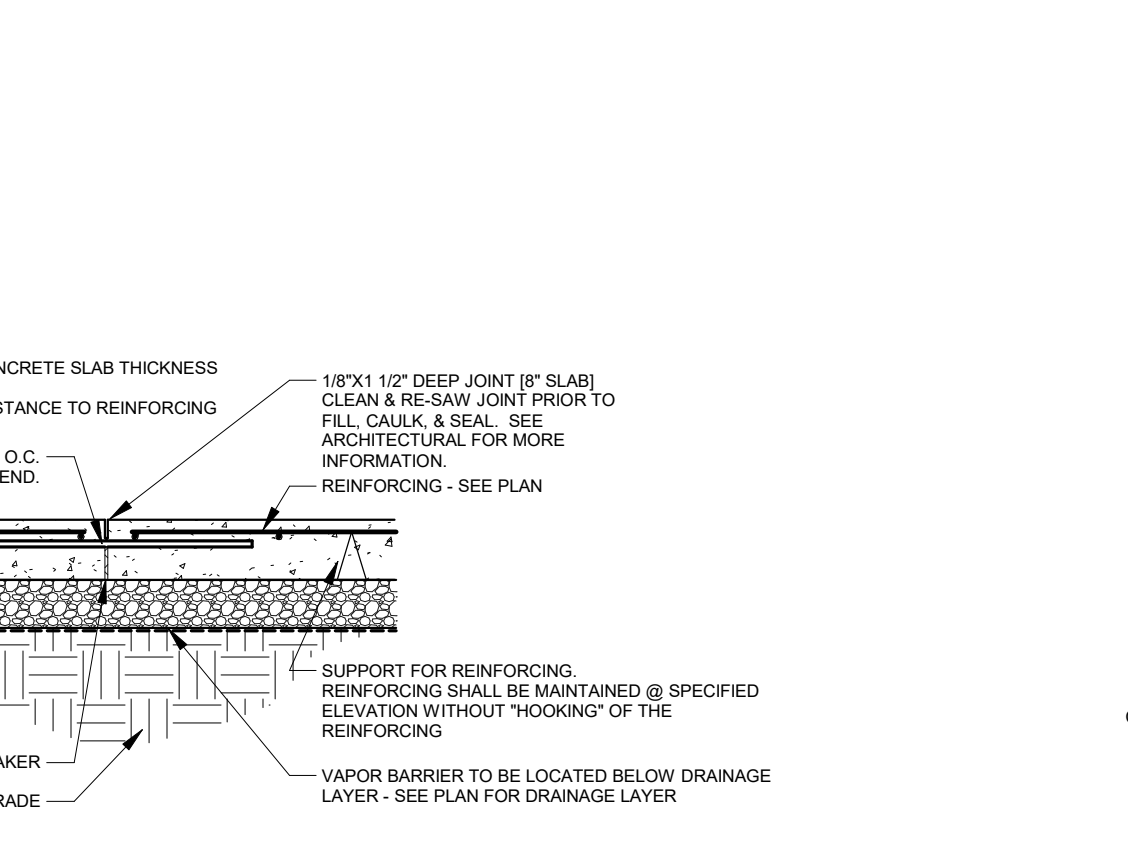
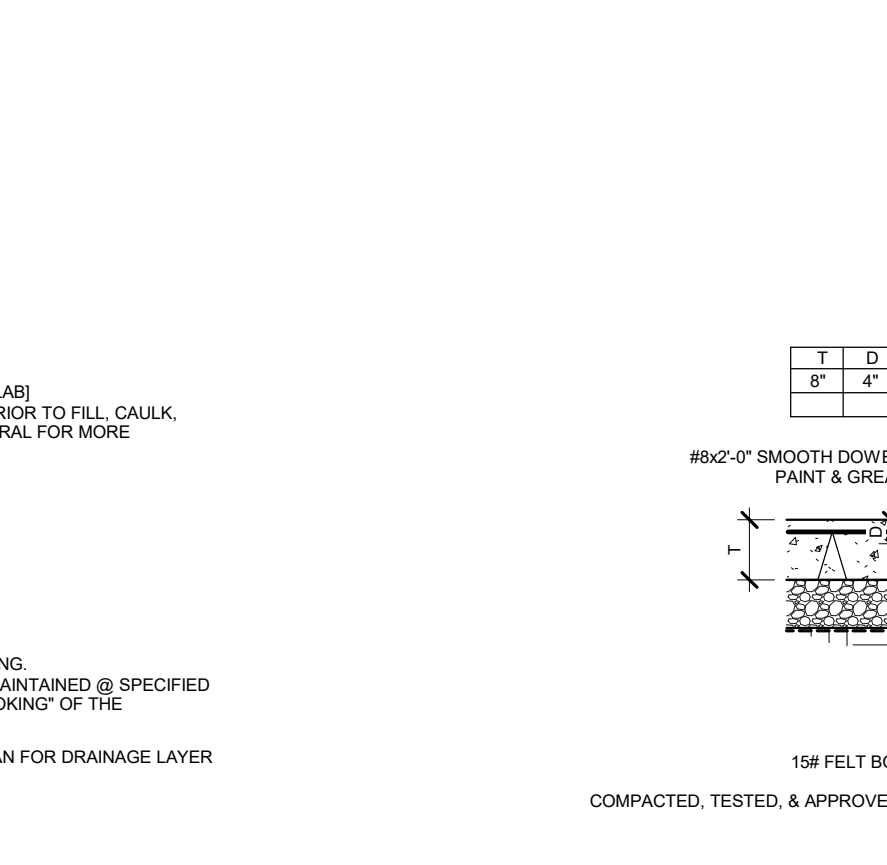
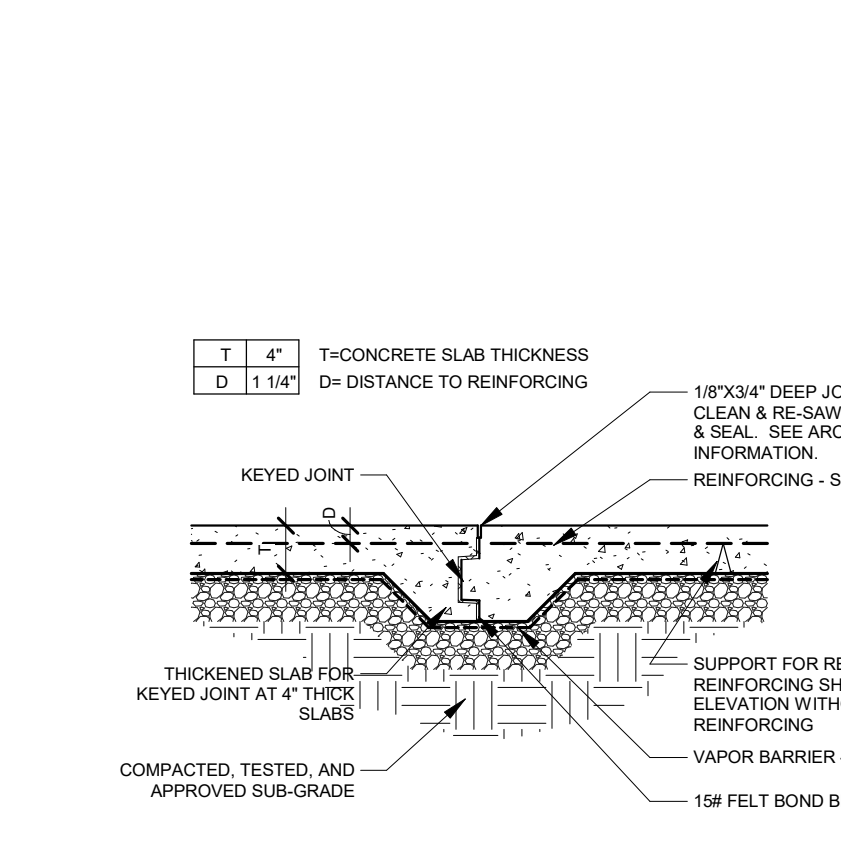
MARK	SIZE	REINFORCING		
		CONTINUOUS	VERTICAL	DOWELS
GB-1	1'-4"x2'-4" Deep	2#4's T & B 2#4's H & V	#6 Stirrup @ 24" o.c.	---

COLUMN PAD FOOTING SCHEDULE

PAD MARK	SIZE	PAD FOOTING REINFORCING	DOWELS	ALLOWABLE SOIL BEARING CAPACITY (PSF)
FP-0	3'-0"x3'-0"x4'-0" Deep	(6#4's) Each Way Top & Bottom	---	2,500
FP-6	3'-0"x3'-0"x4'-0" Deep	(6#4's) Each Way Top & Bottom	---	2,500
FP-0	4'-0"x4'-0"x4'-0" Deep	(6#4's) Each Way Top & Bottom	---	2,500
FP-4	4'-0"x4'-0"x4'-0" Deep	(6#4's) Each Way Top & Bottom	---	2,500
FP-0	5'-0"x5'-0"x4'-0" Deep	(6#4's) Each Way Top & Bottom	---	2,500
FP-0	5'-0"x5'-0"x4'-0" Deep	(6#4's) Each Way Top & Bottom	---	2,500
FP-0	6'-0"x6'-0"x4'-0" Deep	(7#4's) Each Way Top & Bottom	---	2,500
FP-0	6'-0"x6'-0"x4'-0" Deep	(7#4's) Each Way Top & Bottom	---	2,500
FP-0	7'-0"x7'-0"x4'-0" Deep	(8#4's) Each Way Top & Bottom	---	2,500
FP-0	8'-0"x8'-0"x4'-0" Deep	(8#4's) Each Way Top & Bottom	---	2,500

REINFORCING SCHEDULE

STRUCTURAL COMPONENT	REINFORCING	REMARKS
4" Concrete Slab On Grade	#4's Epoxy Coated @ 18" o.c. Each Way	See The Plan & Details For More Information
5" Concrete Supported Slab	#4's @ 14" o.c. Each Way	See The Plan & Details For More Information
8" Concrete Slab On Grade	#4's Epoxy Coated @ 14" o.c. Each Way	See The Plan & Details For More Information
3 1/2" Hollowcore Precast	6#6, 10-10 W/M	See The Plan & Details For More Information
10" Concrete Curb	#4's Continous & #4's Hooked U-Bar @ 18" o.c. Epoxy Coated Reinforcing	See The Plan & Details For More Information
10" Concrete Stem Wall	#4's @ 12" o.c. Continous Horizontal Each Way & #4's Hooked U-Bar @ 12" o.c. Epoxy Coated Reinforcing	See The Plan & Details For More Information
12"x12" Concrete Pier	#5's Vertical & #4's Horizontal @ 12" o.c. Maximum @ 2' Top	See The Plan & Details For More Information
14"x16" Concrete Pier	#5's Vertical & #4's Horizontal @ 12" o.c. Maximum @ 2' Top	See The Plan & Details For More Information
18"x18" Concrete Pier	#5's Vertical & #4's Horizontal @ 12" o.c. Maximum @ 2' Top	See The Plan & Details For More Information
18"x24" Concrete Pier	#5's Vertical & #4's Horizontal @ 12" o.c. Maximum @ 2' Top	See The Plan & Details For More Information
18"x30" Concrete Pier	#5's Vertical & #4's Horizontal @ 12" o.c. Maximum @ 2' Top	See The Plan & Details For More Information
24"x24" Concrete Pier	#5's Vertical & #4's Horizontal @ 12" o.c. Maximum @ 2' Top	See The Plan & Details For More Information
24"x30" Concrete Pier	#5's Vertical & #4's Horizontal @ 12" o.c. Maximum @ 2' Top	See The Plan & Details For More Information



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Norfolk 130 South 5th Street
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Verillion 16 East Main, Suite 201
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PROFESSIONAL CIVIL ENGINEER

DARIN D. SPERLING

E-9584

11/19/2024

STATE OF NEBRASKA

Davis Design's NEBEA Certificate of Authorization #CA0559

CLIENT INFORMATION

Nebraska Department of Transportation

2500 S HWY 15
Seward, NE 68434

PROJECT INFORMATION

Seward Maintenance Facility - 100% BID Package

JOB # 24-0034

ISSUE DATE 11-18-2024

ISSUE FOR Construction Documents

Revisions

ID Date Description

1 11-26-2024 AD-1

2 12-10-2024 AD-2

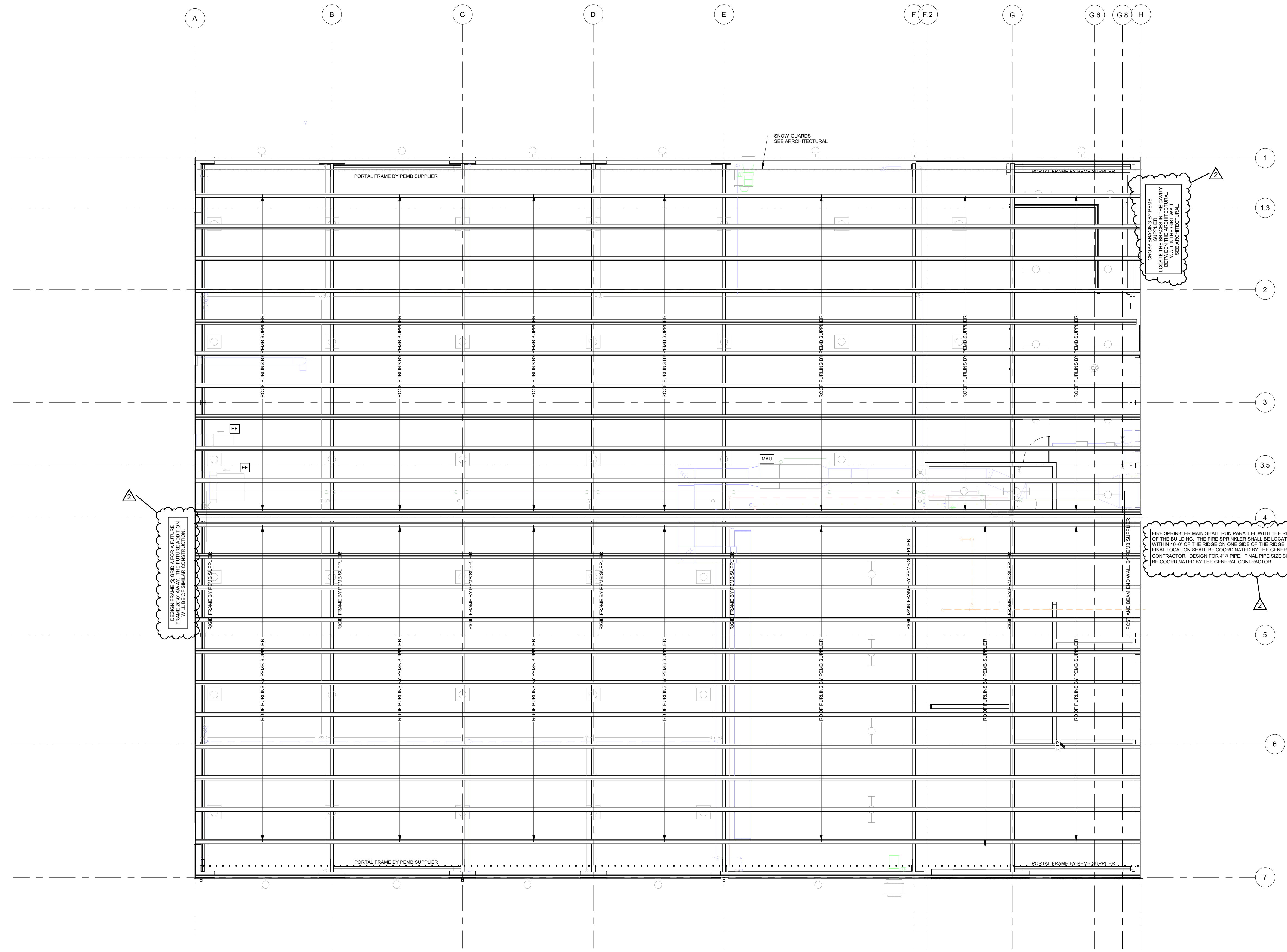
Checked by: Matt Tregler, AEP@DWD.com

SHEET TITLE

General Notes, Schedules, & Details

SHEET NUMBER

S-001



1 Roof Framing Plan
1/8" = 1'-0"



Davis Design's NBEA Certificate of Authorization #CA0559

CLIENT INFORMATION
Nebraska Department of Transportation

2500 S HWY 15
Seward, NE 68434

PROJECT INFORMATION
Seward Maintenance Facility - 100% BID Package

JOB # | 24-0034

ISSUE DATE | 11-16-2024

ISSUE FOR | Construction Documents

Revisions

ID	Date	Description
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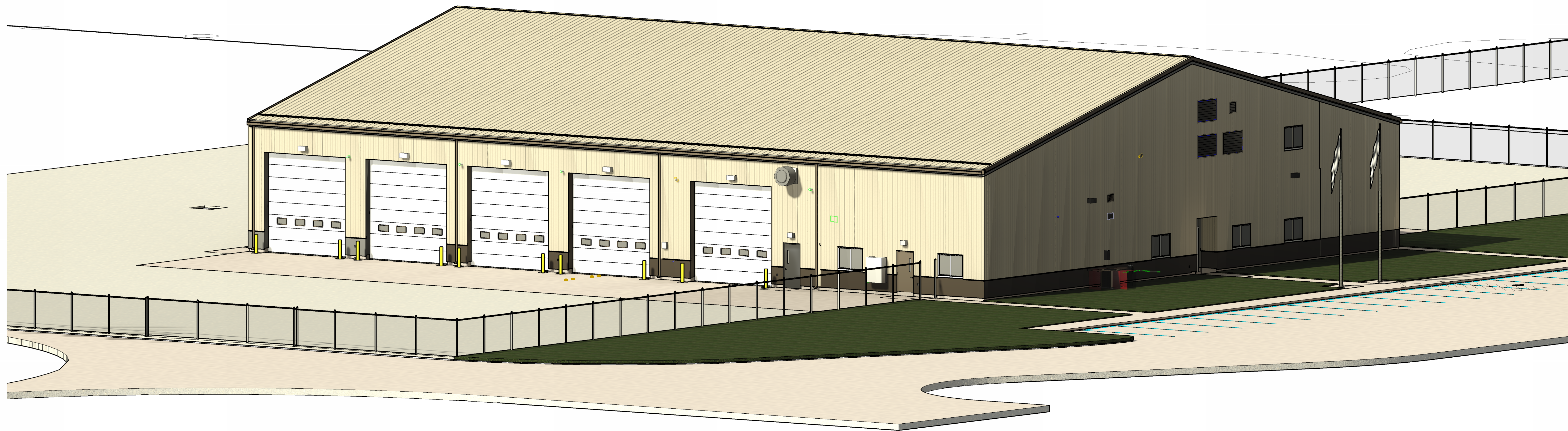
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SHEET TITLE

Roof Framing Plan

SHEET NUMBER

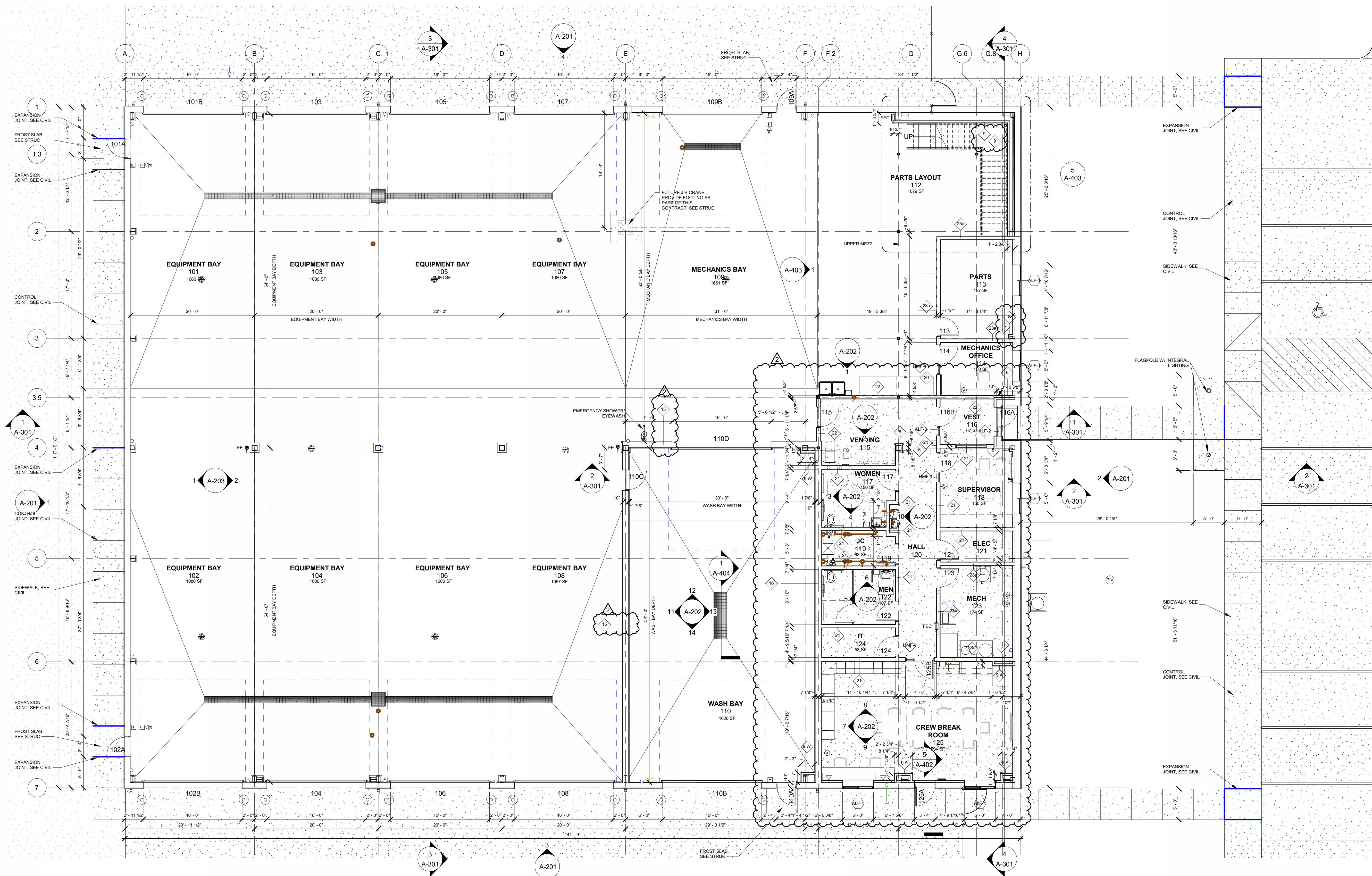
S-104



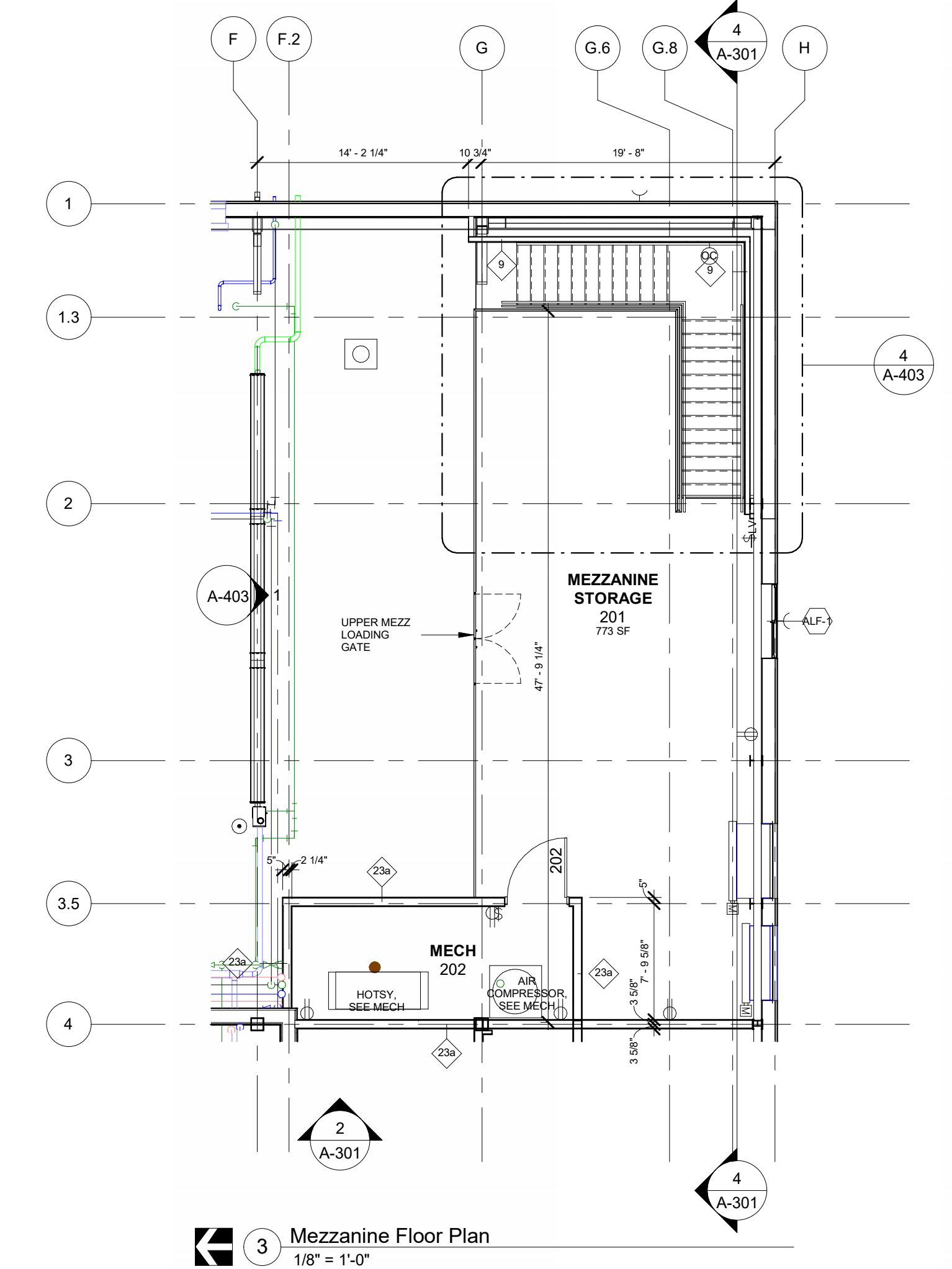
2 3D - Perspective

GENERAL ARCHITECTURE NOTES:

1. ITEMS SHOWN HALF-TONED (OR WITH GRAY LINES) ARE EXISTING ITEMS TO REMAIN OR ITEMS FURNISHED AND INSTALLED BY THE OWNER OR CONTRACTOR. SEE THE DRAWINGS OR SPECIFICATIONS FOR DELINEATION OF INSTALLER. ITEMS SHOWN IN BLACK ARE ITEMS CONSIDERED A PART OF THE WORK REQUIRED BY THE CONTRACT.
2. PRIOR TO THE COMMENCEMENT OF WORK BY SUBCONTRACTORS AND THROUGHOUT THE COURSE OF THE WORK, THE GENERAL CONTRACTOR SHALL INSPECT AND VERIFY THE LOCATION AND CONDITION OF ALL ITEMS AFFECTED BY THE WORK UNDER THIS CONTRACT AND REPORT DISCREPANCIES TO THE ARCHITECT BEFORE ANY WORK RELATED TO THAT BEING INSPECTED. THIS MAY INCLUDE, BUT NOT BE LIMITED TO, VERIFYING DIMENSIONS.
3. ALL CONTRACTORS SHALL COORDINATE WORK WITH ALL ALTERATEDS AND FINISHING.
4. CONTRACTORS SHALL NOT SCALE DIMENSIONS FROM DRAWINGS. ANY DISCREPANCY CONCERNING DIMENSIONS SHOULD BE DIRECTED TO THE ARCHITECT FOR CLARIFICATION.
5. WHEN ANY OF THE CONTRACT DOCUMENTS DEFINE MATERIALS OR EQUIPMENT, THE TERM OR EQUAL, IF NOT INSERTED SHALL BE IMPLIED. THE SPECIFIC MATERIALS OR EQUIPMENT MENTIONED SHALL INDICATE THE TYPE, FUNCTION AND MANUFACTURER'S STANDARD OF DESIGN. THE ARCHITECT OR ENGINEER OF RECORD SHOULD BE CONTACTED BEFORE USING ANY ALTERNATE MATERIALS OR EQUIPMENT.
6. IN ADDITION TO WHAT IS NOTED ON THE DRAWINGS, SEE THE SPECIFICATIONS FOR A COMPLETE LIST OF ITEMS THAT ARE OWNER FURNISHED EQUIPMENT OR SYSTEMS AND WHO IS RESPONSIBLE FOR INSTALLATION.
7. ALL WOOD BLOCKING WITHIN THE WALL ENVELOPE SHALL BE FIRE-RESISTANT. SEE SPECIFICATIONS FOR MORE INFORMATION.
8. EXISTING DOORS, FRAMES, DOOR HARDWARE AND CASEWORK SHALL BE INSPECTED AND CLEANED. IF ANY ITEMS ARE FOUND TO BE DAMAGED, DOCUMENT THE ITEM AND LOCATION AND TURN DOCUMENTATION OVER TO THE OWNER FOR REPAIR/REPLACEMENT. IF NECESSARY, PROVIDE A DATE UPON WHICH THE ITEMS MUST BE REPAIRED/REPLACED SO AS TO NOT AFFECT THE CONSTRUCTION SCHEDULE. COORDINATE DELIVERY AND INSTALLATION WITH OWNER.
9. WALL PENETRATIONS SHALL BE SEALED AS REQUIRED BY THE CONTRACT DOCUMENTS OR BUILDING CODES.
10. FLOORS TO RECEIVE NEW FINISHES SHALL BE PREPARED AS REQUIRED BY FLOORING MANUFACTURERS AND, IN THE CASE OF ROCKS WITH FLOOR DRAINS, THE FLOOR PREP SHALL INCLUDE FLOOR STONING AS REQUIRED TO PROVIDE POSITIVE DRAINAGE TO THE FLOOR DRAIN.
11. WALLS SCHEDULED TO RECEIVE NEW VINYL WALLCOVERING FINISH SHALL BE PREPARED WITH A LEVEL, POOR-FINISH WALL SCHEDULED TO RECEIVE NEW PAINT FINISH SHALL HAVE A LEVEL FIVE (5) FINISH.
12. COORDINATE WITH ARCHITECT ALL MECHANICAL AND ELECTRICAL ITEMS INSTALLED IN SUCH A WAY AS TO NOT INTERFERE WITH THE CEILING HEIGHT INDICATED.



1 FIRST LEVEL FLOOR PLAN
1/8" = 1'-0"



3 Mezzanine Floor Plan
1/8" = 1'-0"

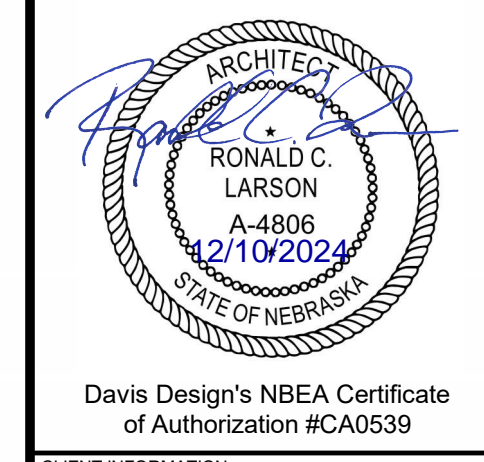
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Norfolk
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Vermillion
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Nebraska Department of Transportation

2500 S HWY 15
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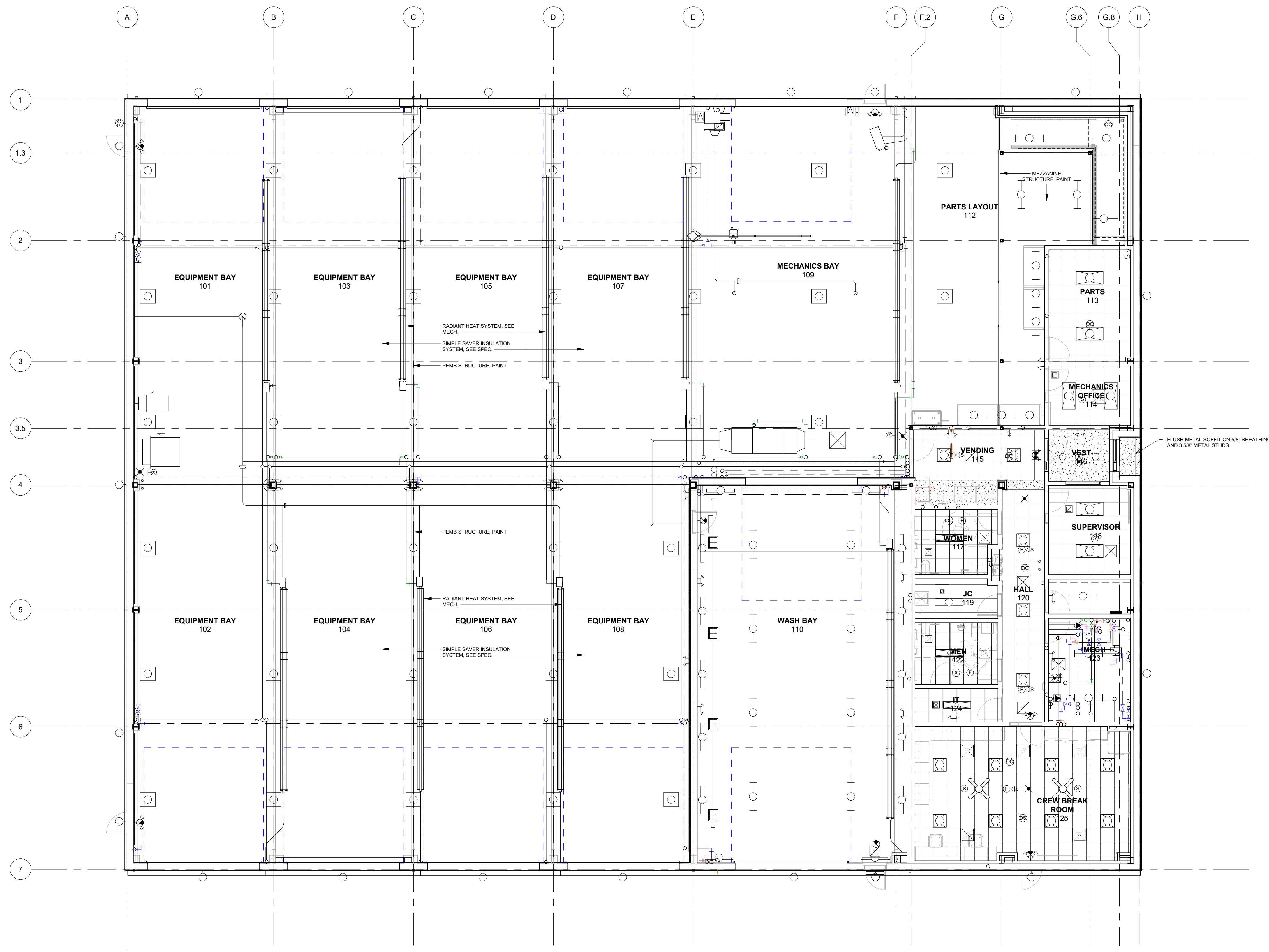
Seward Maintenance Facility - 100% BID Package

JOB #	24-0034	
ISSUE DATE	11-18-2024	
ISSUE FOR	Construction Documents	
Revisions		
ID	Date	Description
2	12-10-2024	AD-2

Checked by: RCL
Drawn by: RCL
Title Block: 43 PRG@16 Resources

SHEET TITLE
First Level Floor Plan

SHEET NUMBER
A-101



1 FIRST LEVEL CEILING PLAN
1/8" = 1'-0"

GENERAL CEILING NOTES:

1. ITEMS SHOWN IN HALFTONE (GRAY) ARE EITHER EXISTING ITEMS TO REMAIN OR ITEMS SHOWN FOR CLARIFICATION (DOORS, GLASS, ETC.). ITEMS SHOWN IN BLACK ARE ITEMS TO BE INSTALLED AND COORDINATED PER THE CONTRACT.
2. COORDINATE ALL WORK WITH MECHANICAL AND ELECTRICAL.
3. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR OTHER CEILING INSTALLED ITEMS NOT INDICATED ON THE ARCHITECTURAL DRAWINGS. COORDINATE REQUIREMENTS BETWEEN ALL DRAWINGS. COORDINATE ANY TEMPORARY ELECTRICAL, MECHANICAL, BRIT-GIPS WITH OWNER TO PROVIDE MINIMAL DISRUPTION.
4. ALL NEW CEILING GRIDS SHALL BE CENTERED WITHIN THE ROOM AS INDICATED IN THE ARCHITECTURAL CEILING PLANS, UNLESS SHOWN OTHERWISE. AVOID CEILING TIES LESS THAN 7" IN WIDTH AT LOCATIONS ADJACENT TO ROOM WALLS WHERE POSSIBLE.
5. VERIFY FINISH OF SOFFITS AND BULKHEADS WITH ROOM FINISH SCHEDULE AND COLOR MATERIAL SCHEDULE.
6. REMOVE AND REINSTALL CEILING SYSTEMS AS REQUIRED TO DO WORK - REGARDLESS OF WHETHER OR NOT THE PLAN SHOWS THERE TO BE NEW CEILING.
7. CEILING HEIGHTS ARE TO BE INSTALLED AT HEIGHTS INDICATED. MECHANICAL OR ELECTRICAL WORK SHALL BE INSTALLED TIGHT TO THE STRUCTURE AND MAY REQUIRE VERTICAL OR HORIZONTAL OFFSETS IN COORDINATION WITH EXISTING CONSTRUCTION OR CONSTRUCTION INSTALLED PER THE CONTRACT. UNDER NO CIRCUMSTANCES SHALL THE CEILING BE INSTALLED AT HEIGHT LOWER THAN THAT INDICATED. COORDINATE LOCATION OF WORK IN COORDINATION WITH EXISTING PRIOR TO INSTALLATION TO AVOID FUTURE CONFLICTS WITH CEILING INSTALLATION.
8. CONTRACTOR TO PROTECT EXISTING WALLCOVERING AND WALL FINISH WHILE REMOVING EXISTING CEILING. CONTRACTOR TO REPAIR ANY WALLCOVERING, EXISTING FINISHES, AND GWB THAT IS DAMAGED DURING CEILING REMOVAL AND RE-INSTALLATION.
9. COORDINATE NEW AND EXISTING SPRINKLER HEAD LOCATIONS WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL ITEMS SHOWN IN THE DRAWINGS.

REFLECTED CEILING LEGEND

	24"x24" ACCOUTERIAL CEILING PANEL SYSTEM
	24"x48" ACCOUTERIAL CEILING PANEL SYSTEM
	GWB SOFFIT OR CEILING, E.I.F.S. @ EXTERIOR SOFFITS
	CEILING ACCESS PANEL
	SEE ELEC. / MECH. FOR LOCATIONS. COORDINATE WITH ARCH. CEILING PLANS

THE PREVIOUS EQUIPMENT BAY HATCH HAS BEEN REMOVED AND LIGHTS AND DIFFUSERS HAVE BEEN ADJUSTED IN THE OFFICE PORTION OF THE BUILDING.

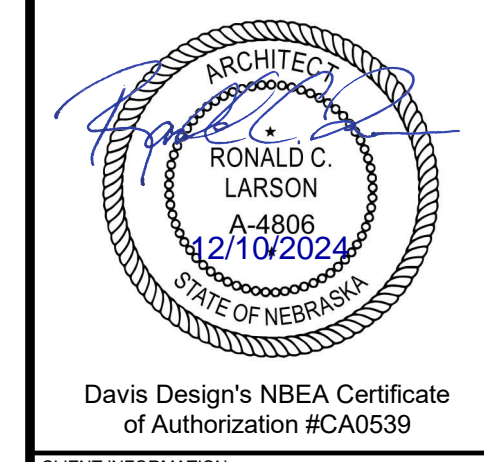
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Norfolk, NE 68701

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Vermillion SD 57069

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CLIENT INFORMATION
Nebraska Department of Transportation

2500 S HWY 15
Seward, NE 68434

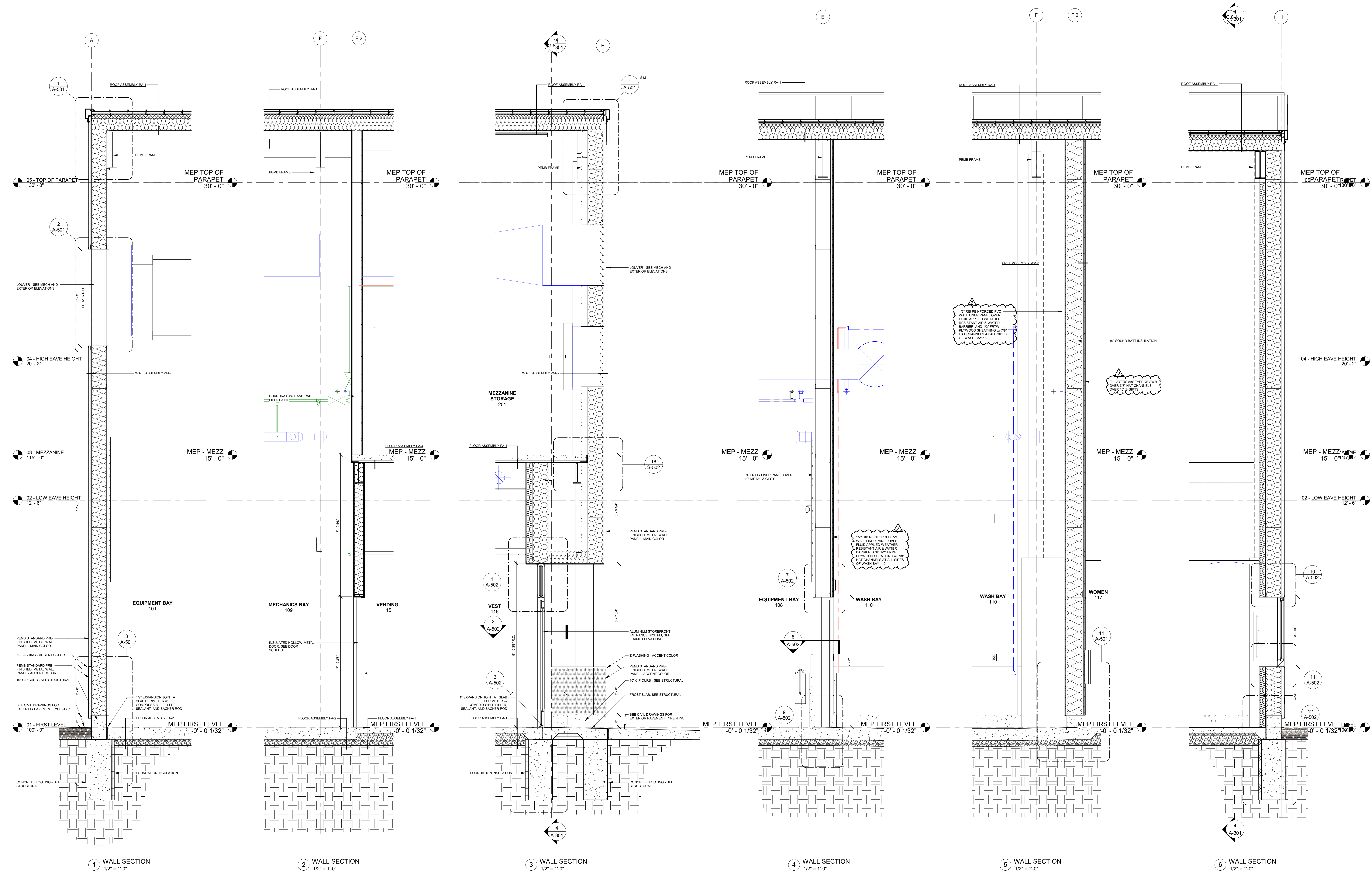
PROJECT INFORMATION
Seward Maintenance Facility - 100% BID Package

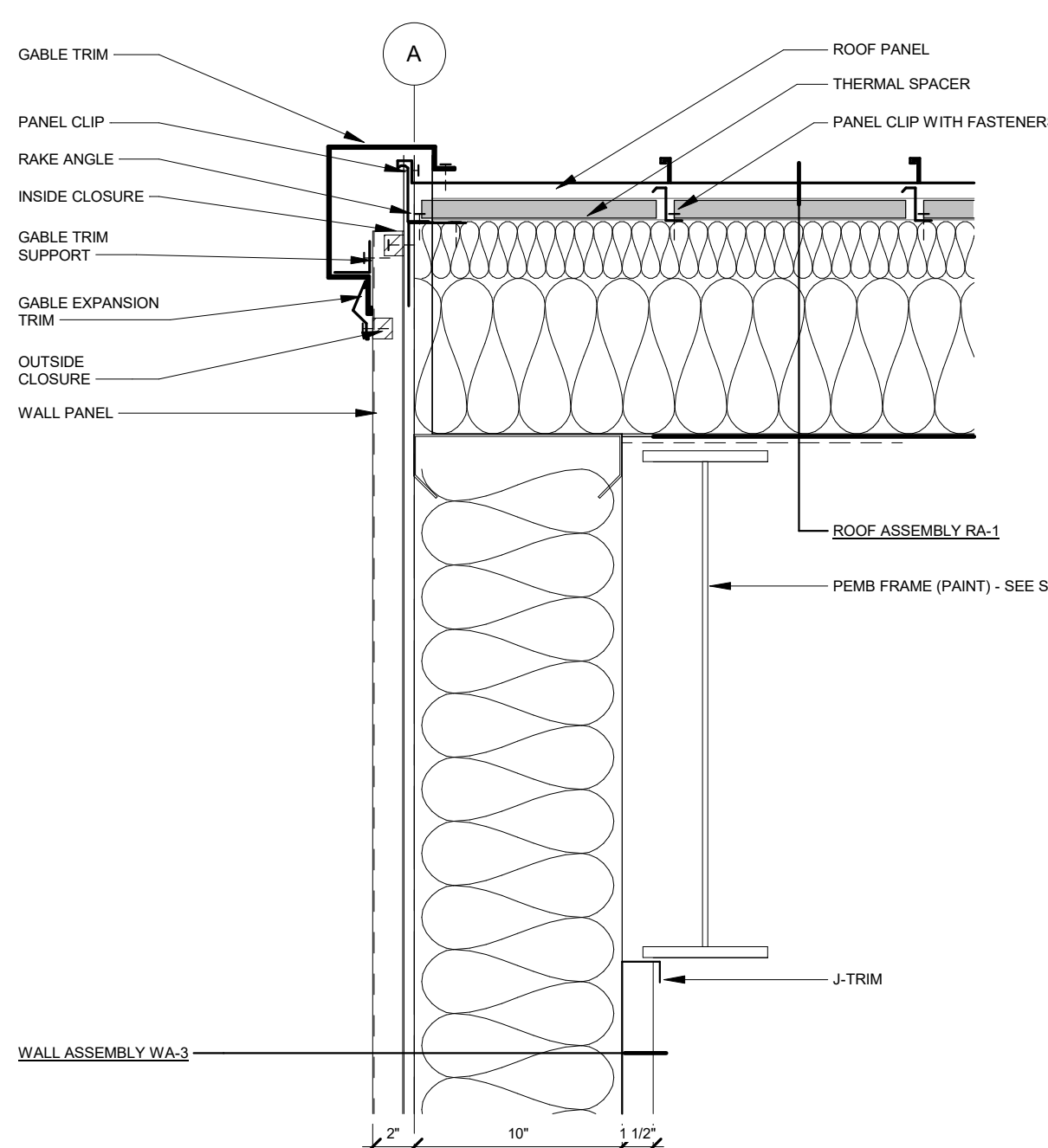
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ISSUE DATE 11-18-2024
ISSUE FOR Construction Documents

Revisions	ID	Date	Description
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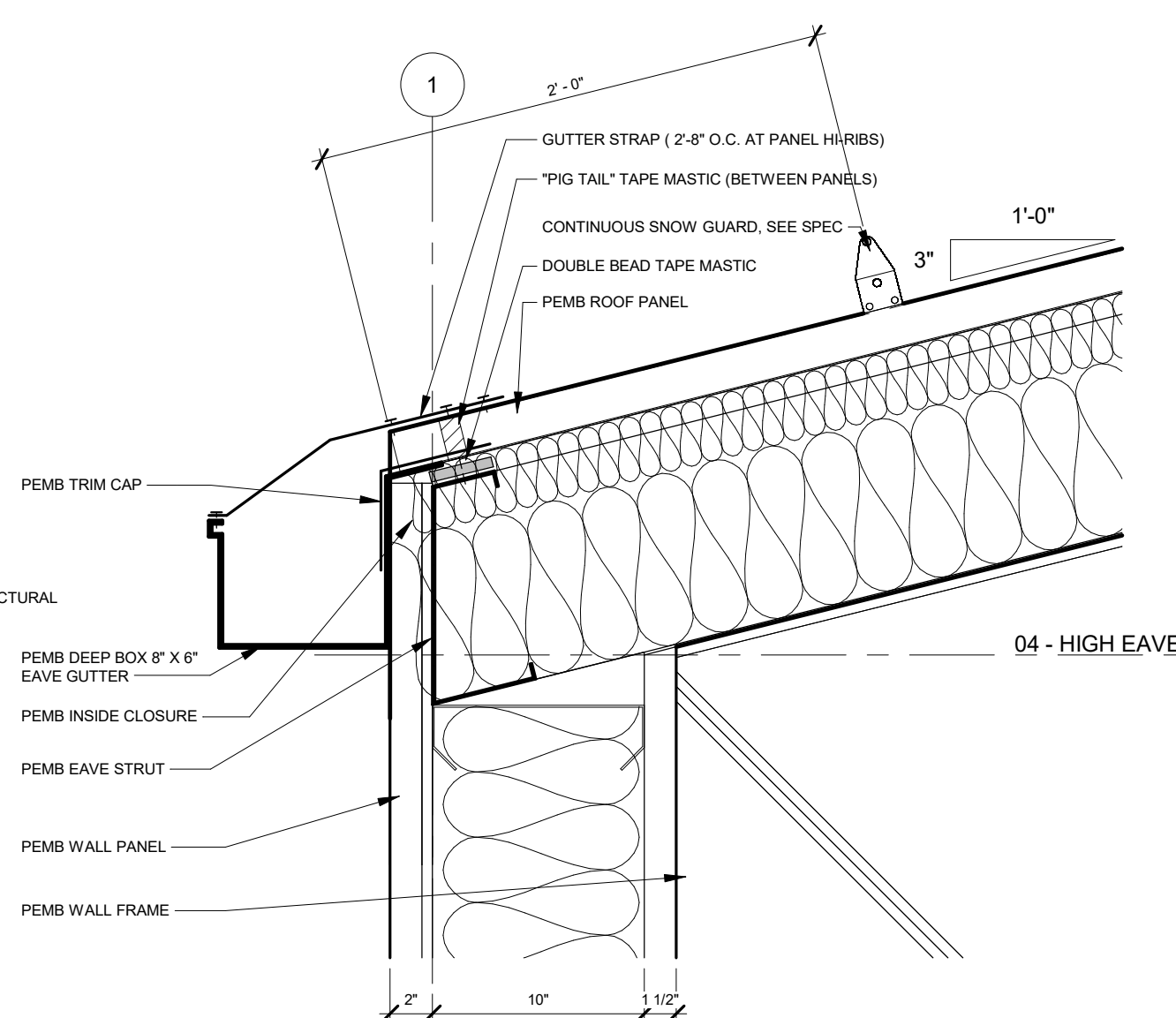
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Date: 12/10/2024
Title: First Level Ceiling Plan

SHEET NUMBER
A-102

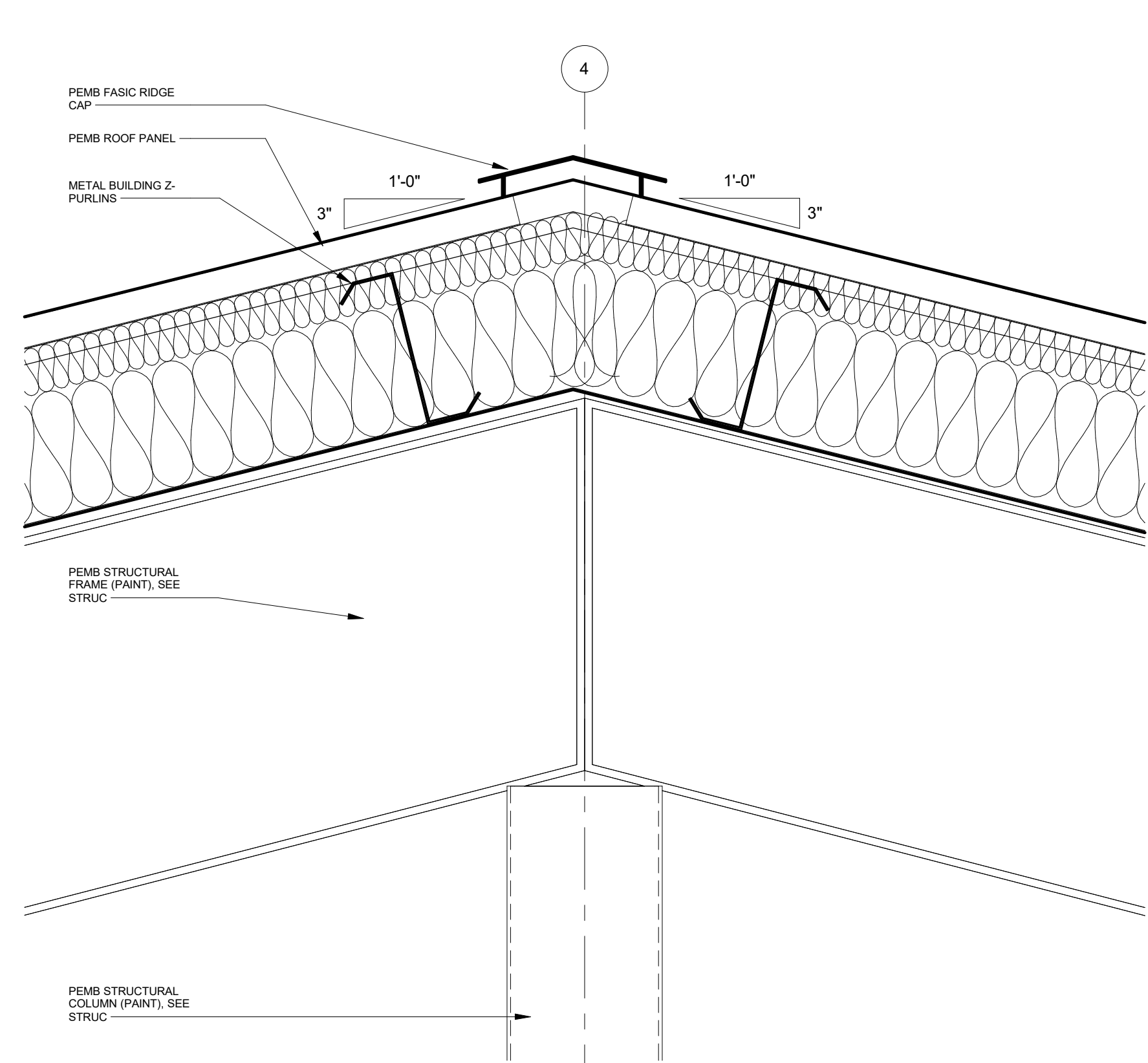




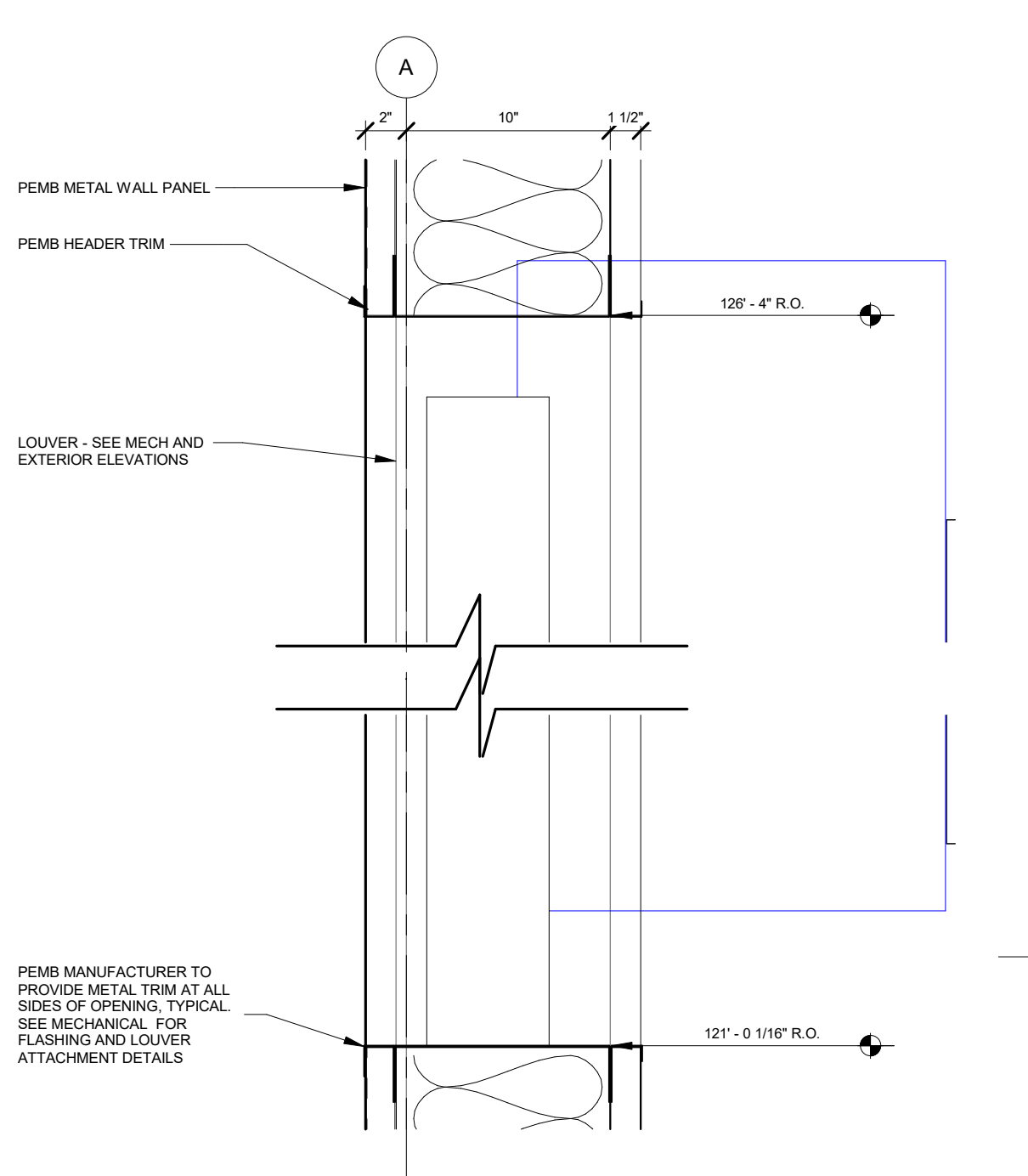
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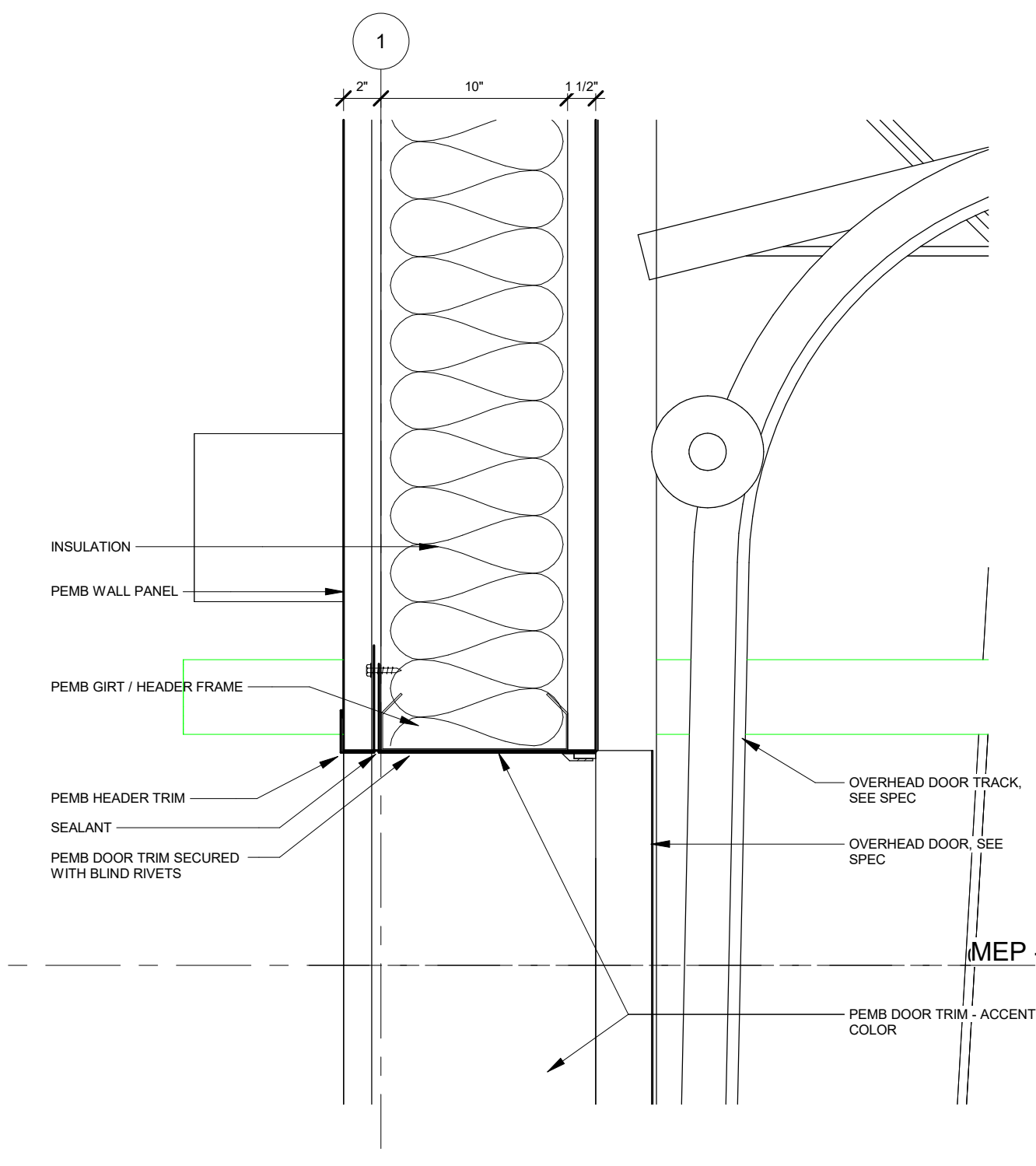
4 SECTION DETAIL - GUTTER & SNOW GUARD
1 1/2" = 1'-0"



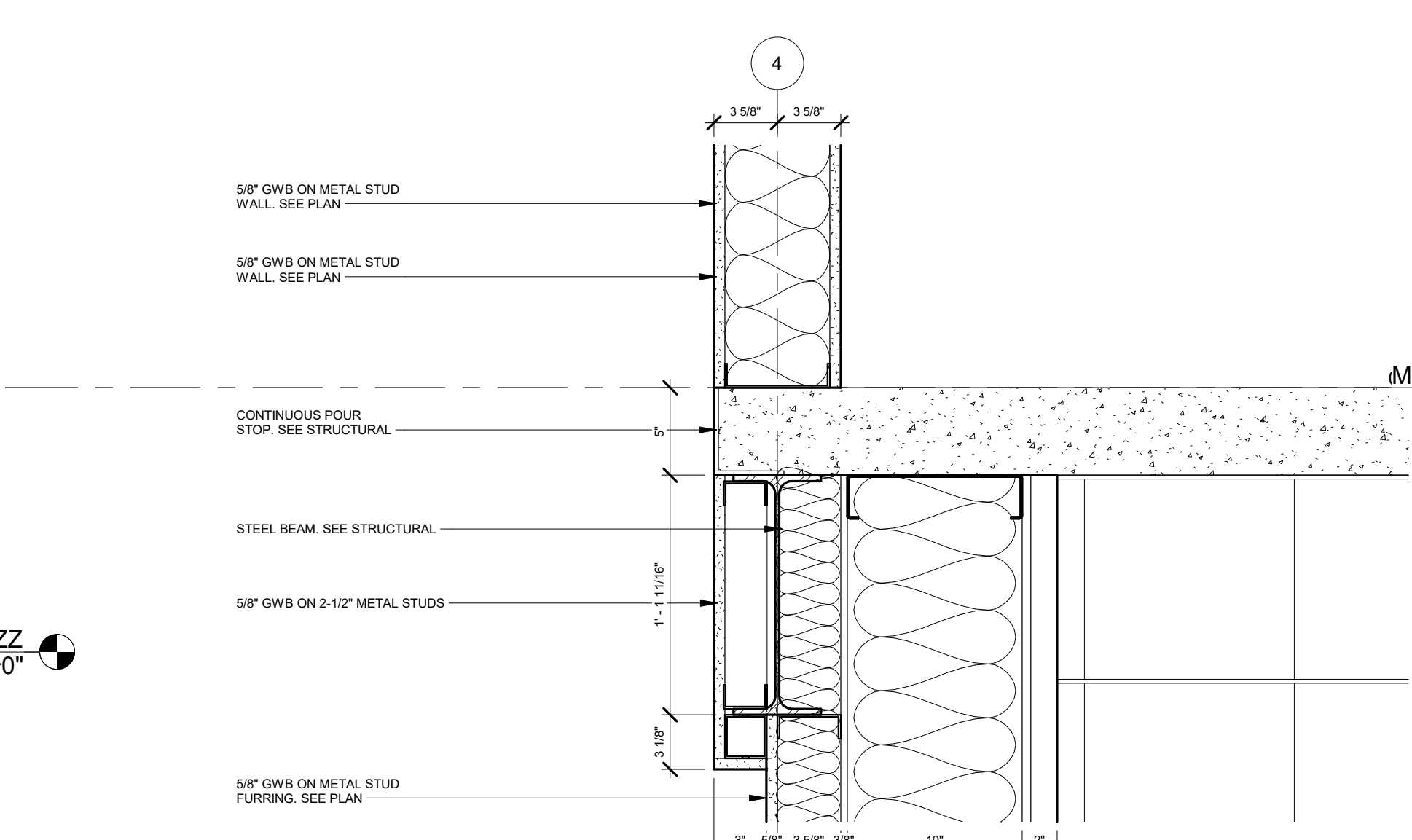
7 SECTION DETAIL - ROOF RIDGE
1 1/2" = 1'-0"



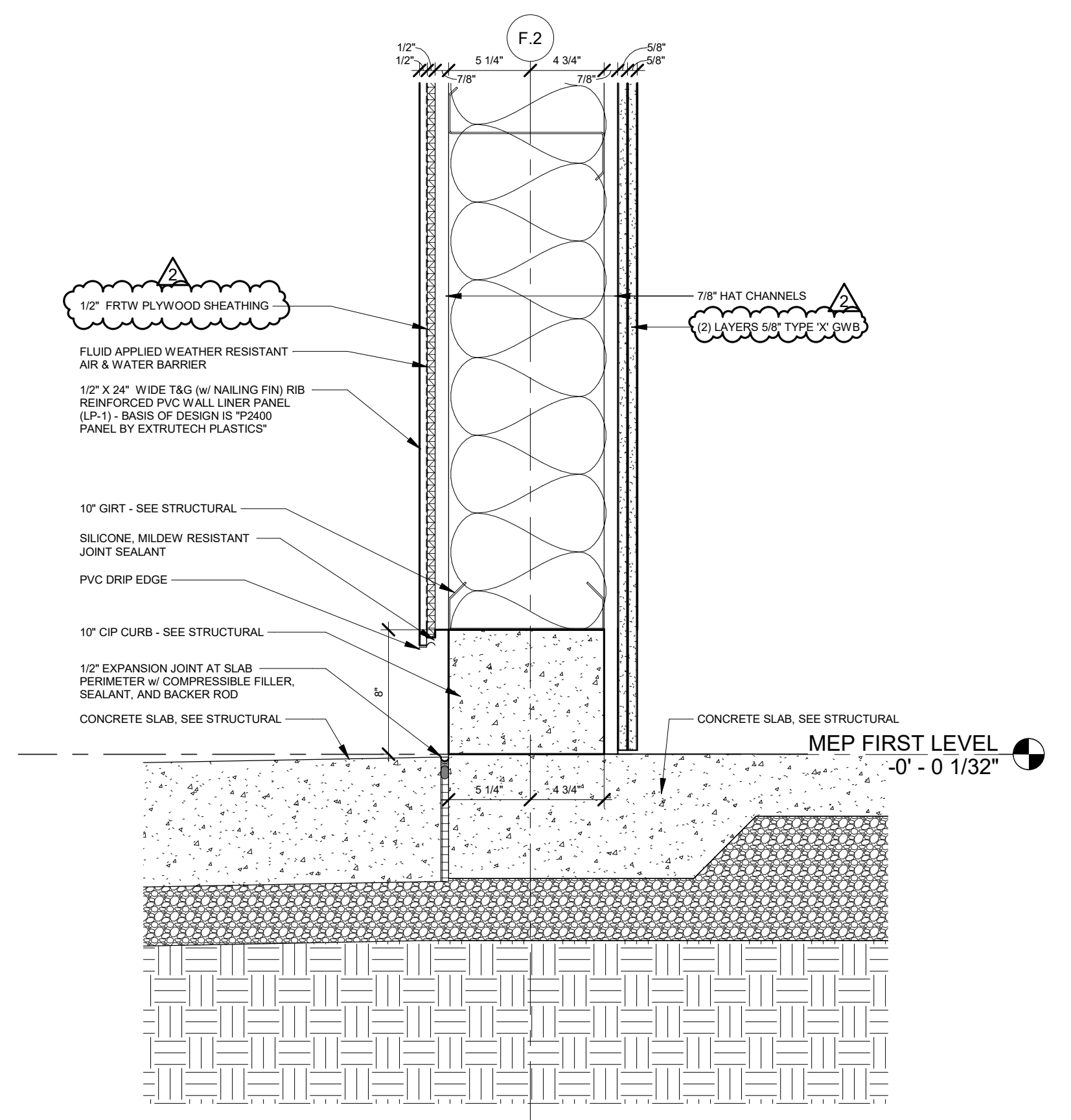
2 SECTION DETAIL - METAL LOUVER
1 1/2" = 1'-0"



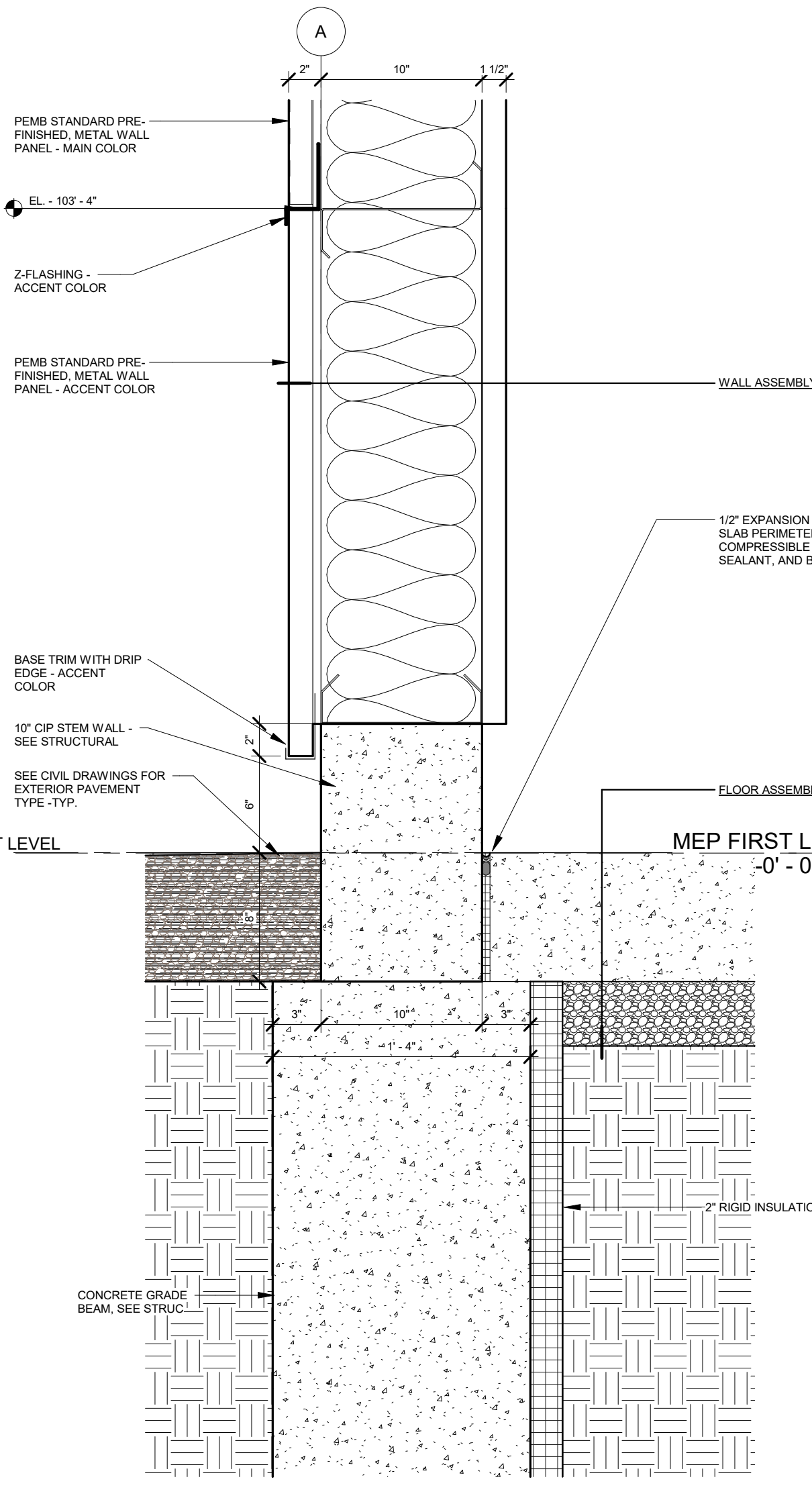
5 SECTION DETAIL - OVHD HEAD
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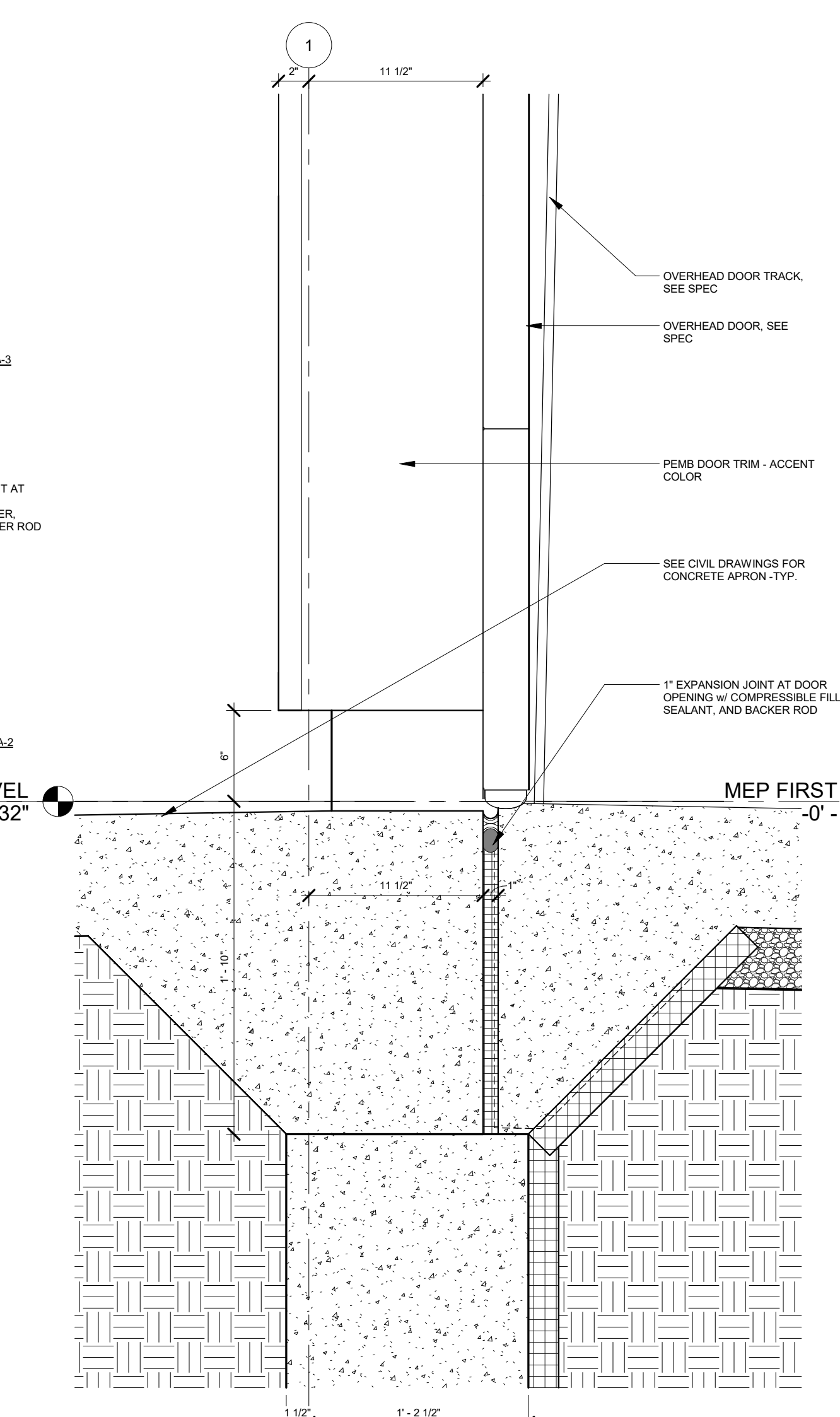
8 SECTION DETAIL - MEZZANINE SLAB EDGE
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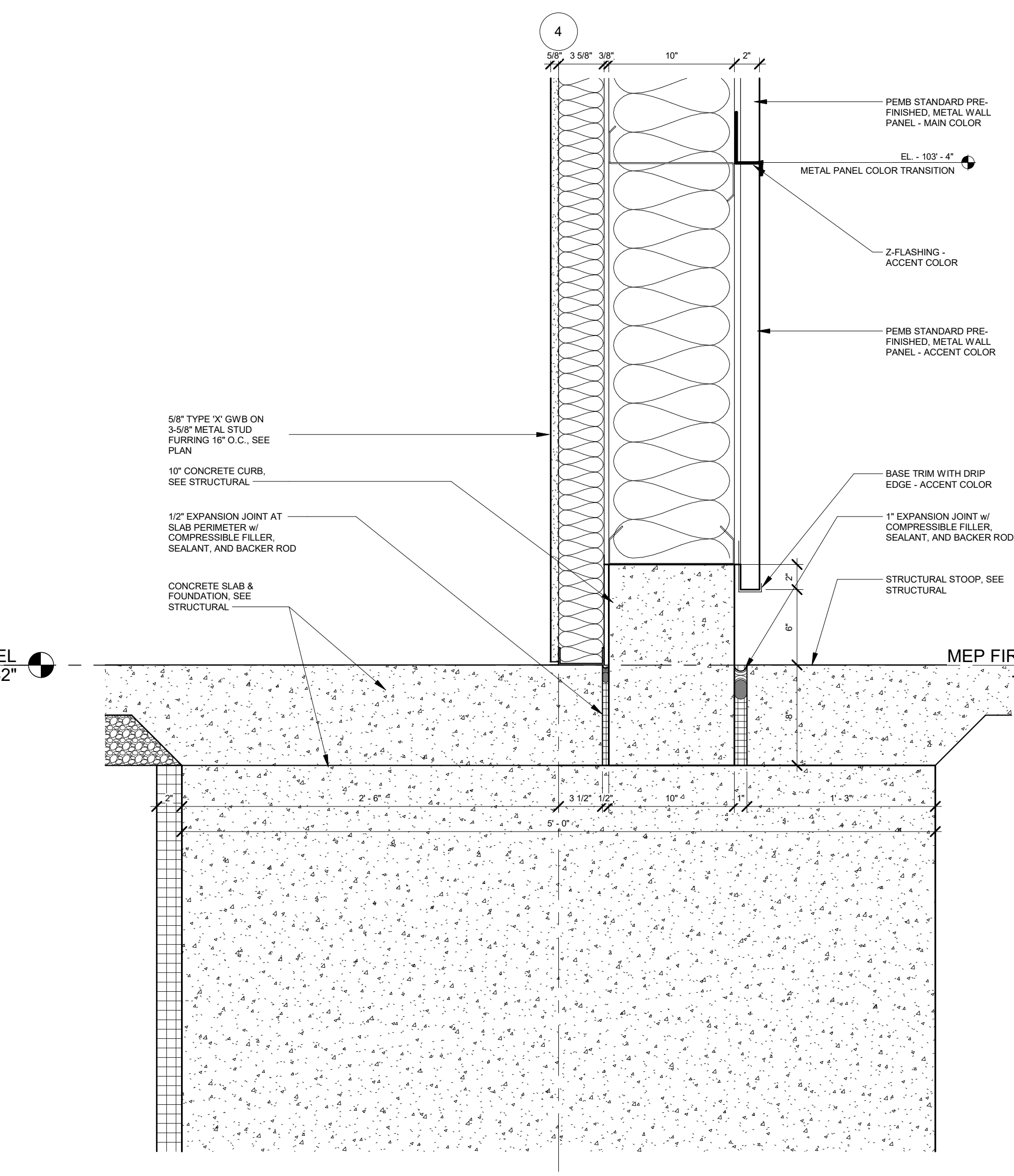
11 SECTION DETAIL - WASHBAY / OFFICE
1 1/2" = 1'-0"



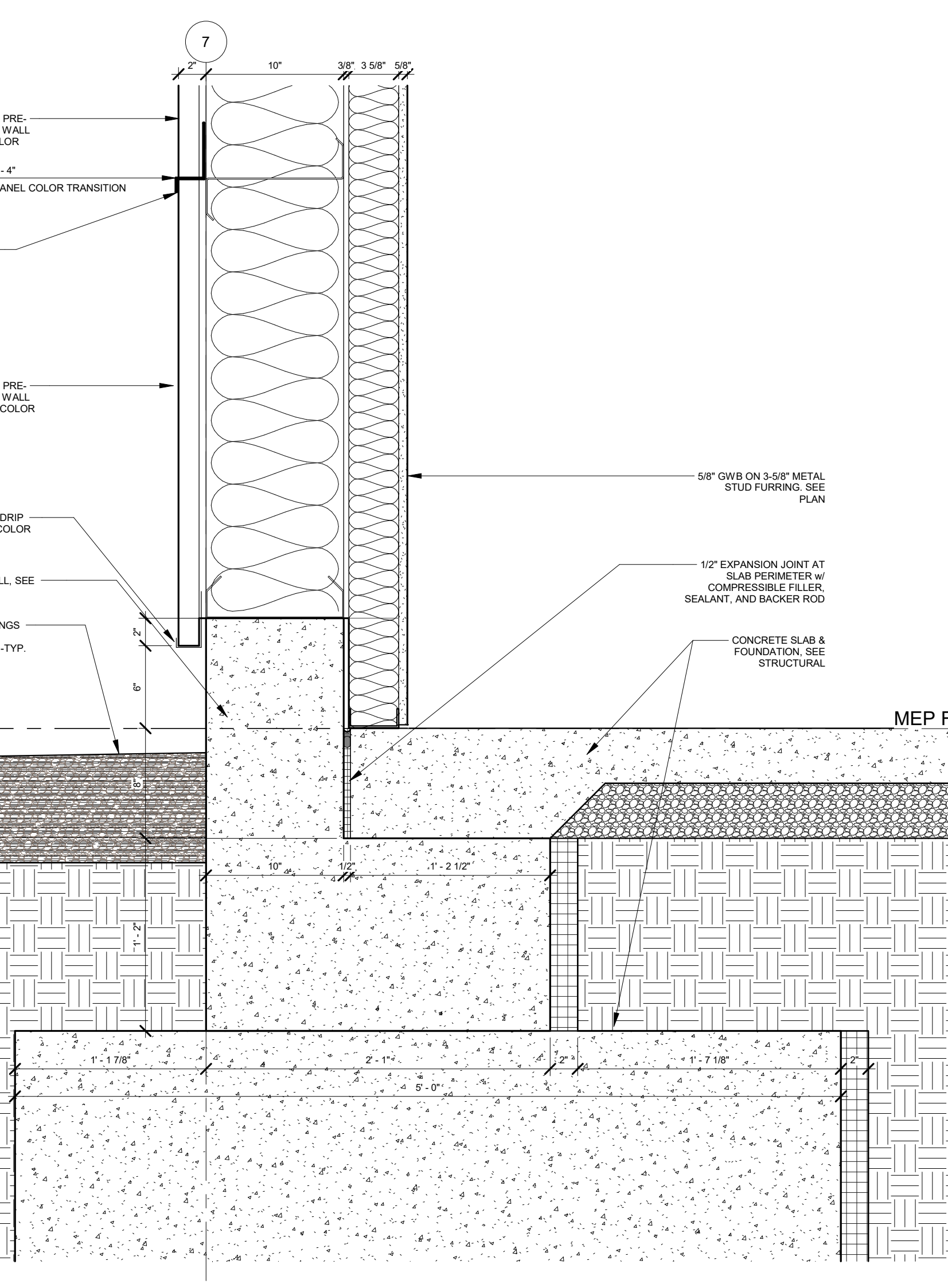
3 SECTION DETAIL - STEM WALL / GRADE BEAM
1 1/2" = 1'-0"



6 SECTION DETAIL - OVHD JAMB
1 1/2" = 1'-0"



9 SECTION DETAIL - EXT. OFFICE WALL
1 1/2" = 1'-0"



10 SECTION DETAIL - EXT. OFFICE WALL
1 1/2" = 1'-0"

SCHEDULE PARTITIONS

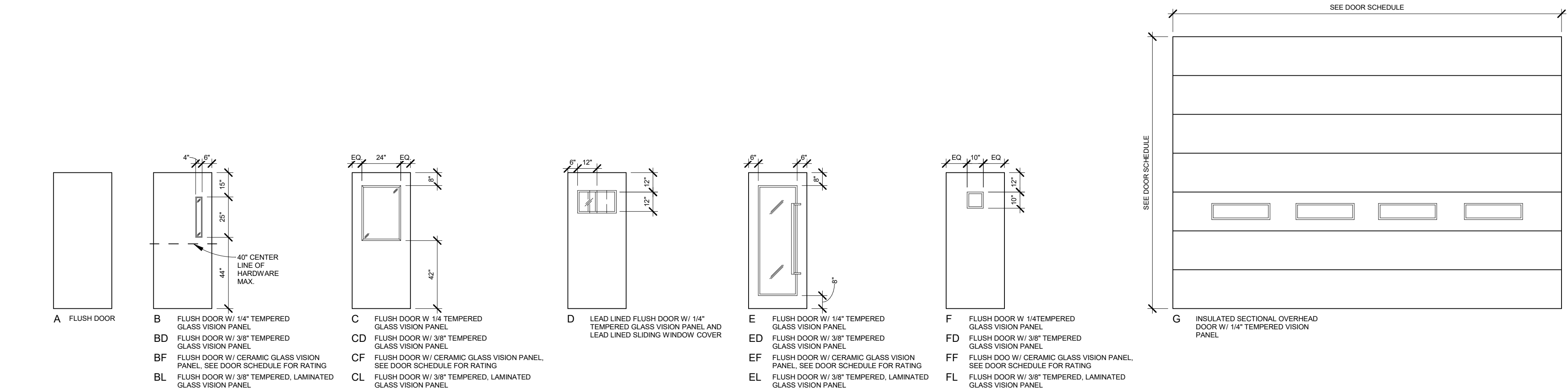
MARK	SUPPORT	DESCRIPTION	WIDTH	HEIGHT	FIRE RATING	STC RATING	UL LISTING	INSULATION	SPECIAL REQUIREMENTS	COMMENTS
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9	2 1/2" DRYWALL STUDS SPACED @ 16" O.C.	ONE LAYER OF 5/8" TYPE X GWB ROOM SIDE	3 1/8"	TO 4" ABOVE CEILING LINE						
9A	3 5/8" DRYWALL STUDS SPACED @ 16" O.C.	ONE LAYER OF 5/8" TYPE X GWB EACH SIDE	4 1/4"	TO B.O. ROOF PURLINS					PROVIDE KICKER BRACING ABOVE 1'	
9W	3 5/8" DRYWALL STUDS SPACED @ 16" O.C.	ONE LAYER OF 5/8" TYPE X GWB EACH SIDE	4 1/4"	TO 4" ABOVE CEILING LINE						
10	3 5/8" DRYWALL STUDS SPACED @ 16" O.C.	PVC LINER PANEL, 1/2" FR7W PLYWOOD	4 5/8"	TO B.O. ROOF PURLINS						
15	10" METAL GIRT WALL, GIRTS VERTICALLY SPACED @ 48" O.C.	ONE LAYER OF 5/8" TYPE X GWB ROOM SIDE	1' - 1 3/8"	TO B.O. ROOF PURLINS		45-49		3" SOUND ATTEN. BLKT.		
16	10" METAL GIRT WALL, GIRTS VERTICALLY SPACED @ 48" O.C.	PVC LINER PANEL, 1/2" FR7W PLYWOOD, 7/8" FURRING CHANNELS/ (2) LAYERS OF 5/8" TYPE X GWB, SEE WALL SECTION	1' - 2"	TO B.O. ROOF PURLINS	1 HR	49+		10" SOUND ATTEN. BLKT.		
20	6" DRYWALL STUDS SPACED @ 16" O.C.	ONE LAYER OF 5/8" TYPE X GWB EACH SIDE	7 1/4"	TO B.O. ROOF PURLINS		45-49		6" SOUND ATTEN. BLKT.		WHERE WALL IS LOCATED UNDER THE MEZZANINE, WALL SHALL STOP UNDER MEZZANINE DECK
21	6" DRYWALL STUDS SPACED @ 16" O.C.	ONE LAYER OF 5/8" TYPE X GWB EACH SIDE	7 1/4"	TO 4" ABOVE CEILING LINE		45-49		6" SOUND ATTEN. BLKT.	PROVIDE KICKER BRACING AS REQUIRED	DRAPES 6" SOUND BATT INSULATION ABOVE CEILING 4" ON EITHER SIDE OF RESTROOM/OFFICE WALL
22	6" DRYWALL STUDS SPACED @ 16" O.C.	ONE LAYER OF 5/8" TYPE X GWB EACH SIDE	7 1/4"	TO B.O. MEZZANINE DECK ABOVE CEILING	1 HR	45-49		6" SOUND ATTEN. BLKT.		
23a	6" METAL STUDS SPACED @ 16" O.C.	ONE LAYER OF 5/8" TYPE X GWB EACH SIDE	7 1/4"	TO B.O. ROOF PURLINS	S	45-49		6" SOUND ATTEN. BLKT.		WHERE WALL IS LOCATED UNDER THE MEZZANINE, WALL SHALL STOP UNDER MEZZANINE DECK

SCHEDULE DOORS

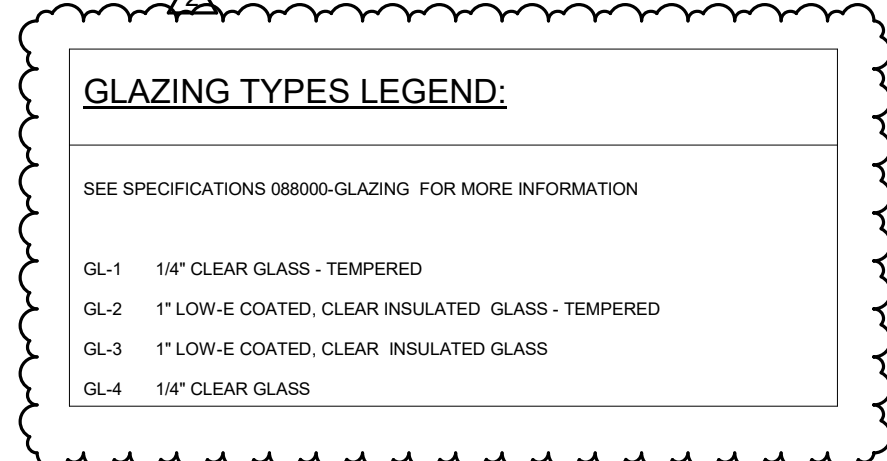
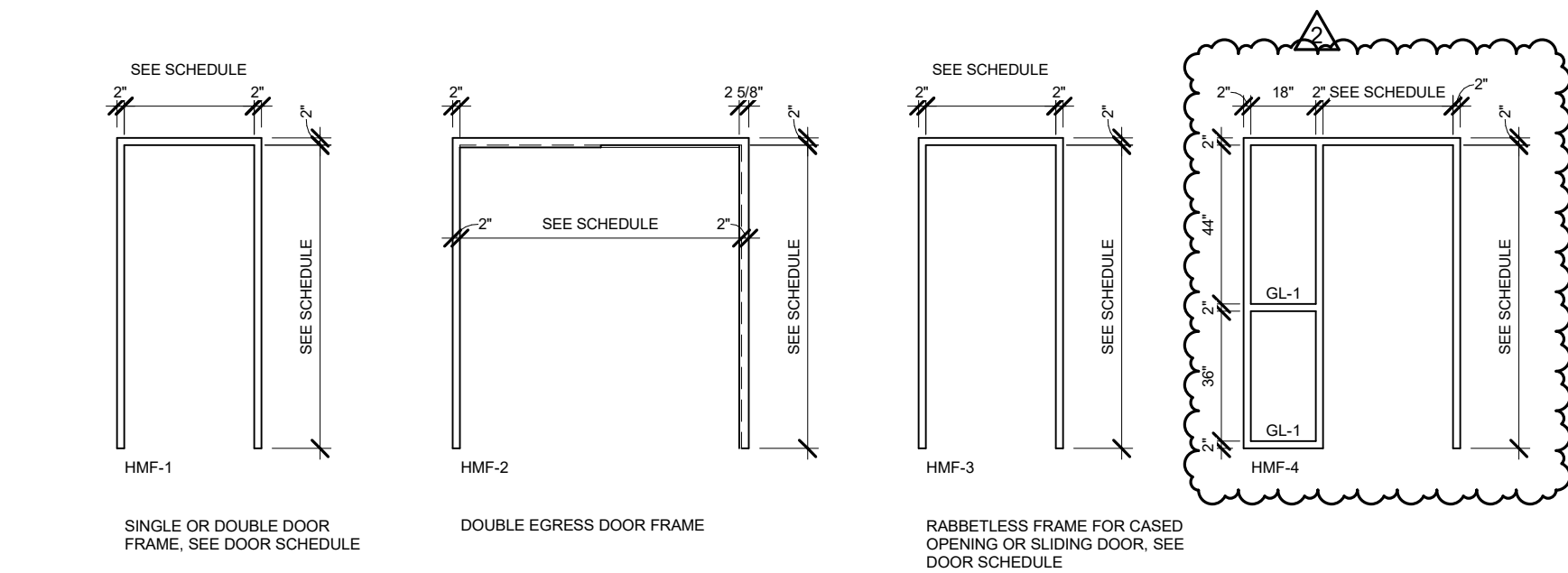
DOOR NUMBER	WIDTH	HEIGHT	THICKNESS	DOOR			FRAME				HARDWARE	COMMENTS		
				ELEVATION	CONSTRUCTION	FINISH	FIRE RATING	ELEVATION	MATERIAL	FINISH			JAMB	HEAD
101A	3' - 0"	7' - 0"	1 3/4"	B	Hollow Metal	Painted	-	HMF-1	H.M.	Painted	5/ A-502	4/ A-502	HWW#11	
102A	3' - 0"	7' - 0"	1 3/4"	B	Hollow Metal	Painted	-	HMF-1	H.M.	Painted	4/ A-601	3/ A-601	HWW#11	
109A	3' - 0"	7' - 0"	1 3/4"	B	Hollow Metal	Painted	-	HMF-1	H.M.	Painted	5/ A-502	4/ A-502	HWW#11	
110A	3' - 0"	7' - 0"	1 3/4"	B	Stainless Steel	Refer to Specs	-	HMF-1	Stainless Steel	Refer to Specs	5/ A-502	4/ A-502	HWW#9	
110C	3' - 0"	7' - 0"	1 3/4"	B	Stainless Steel	Refer to Specs	-	HMF-1	Stainless Steel	Refer to Specs	8/ A-502	7/ A-502	HWW#10	
113	3' - 0"	7' - 0"	1 3/4"	A	Hollow Metal	Painted	45 Minute	HMF-1	H.M.	Painted	4/ A-601	3/ A-601	HWW#9	
114	3' - 0"	7' - 0"	1 3/4"	A	Hollow Metal	Painted	-	HMF-4	H.M.	Painted	4/ A-601	3/ A-601	HWW#3	
115	3' - 0"	7' - 0"	1 3/4"	B	Hollow Metal	Painted	45 Minute	HMF-4	H.M.	Painted	4/ A-601	3/ A-601	HWW#12	
116A	3' - 0"	7' - 0"	2"	E	Aluminum	Pre-finished	-	ALF-2	Aluminum	Pre-finished	2/ A-502	1/ A-502	HWW#1	
116B	3' - 0"	7' - 0"	2"	E	Aluminum	Pre-finished	-	ALF-3	Aluminum	Pre-finished	4/ A-601	3/ A-601	HWW#2	
117	3' - 0"	7' - 0"	1 3/4"	A	Solid Core Wood Door	Stain	-	HMF-1	H.M.	Painted	4/ A-601	3/ A-601	HWW#4	
118	3' - 0"	7' - 0"	1 3/4"	B	Solid Core Wood Door	Stain	-	HMF-4	H.M.	Painted	4/ A-601	3/ A-601	HWW#3	
119	3' - 0"	7' - 0"	1 3/4"	A	Solid Core Wood Door	Stain	-	HMF-1	H.M.	Painted	4/ A-601	3/ A-601	HWW#5	
121	3' - 0"	7' - 0"	1 3/4"	A	Solid Core Wood Door	Stain	-	HMF-1	H.M.	Painted	4/ A-601	3/ A-601	HWW#7	
122	3' - 0"	7' - 0"	1 3/4"	A	Solid Core Wood Door	Stain	-	HMF-1	H.M.	Painted	4/ A-601	3/ A-601	HWW#4	
123	3' - 0"	7' - 0"	1 3/4"	A	Solid Core Wood Door	Stain	-	HMF-1	H.M.	Painted	4/ A-601	3/ A-601	HWW#7	
124	3' - 0"	7' - 0"	1 3/4"	A	Solid Core Wood Door	Stain	-	HMF-1	H.M.	Painted	4/ A-601	3/ A-601	HWW#7	
125A	3' - 0"	7' - 0"	1 3/4"	B	Hollow Metal	Painted	-	HMF-4	H.M.	Painted	5/ A-502	4/ A-502	HWW#11	
125B	3' - 0"	7' - 0"	1 3/4"	B	Solid Core Wood Door	Stain	-	HMF-1	H.M.	Painted	4/ A-601	3/ A-601	HWW#6	
202	4' - 0"	7' - 0"	1 3/4"	A	Hollow Metal	Painted	45 Minute	HMF-1	H.M.	Painted	4/ A-601	3/ A-601	HWW#7	

SCHEDULE OVERHEAD DOORS

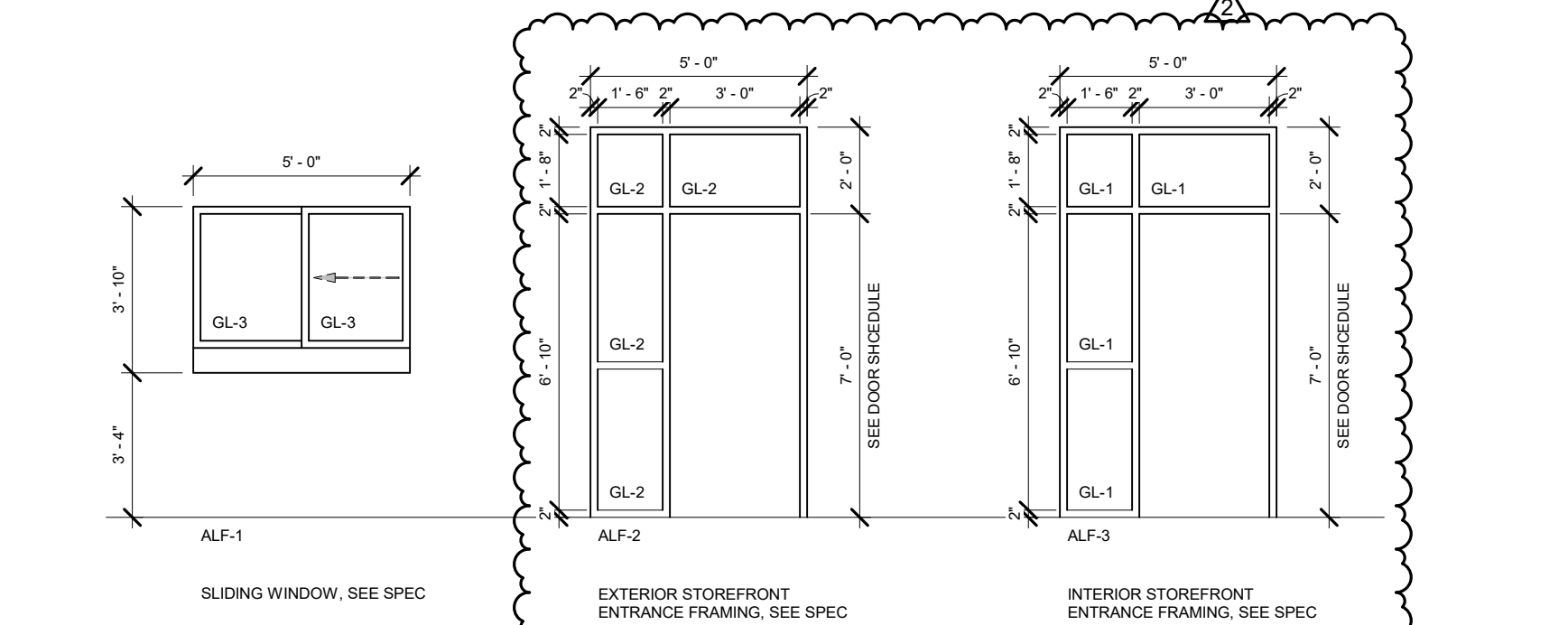
DOOR NUMBER	Opening Width	Opening Height	Panel Thickness	DOOR			FRAME				HARDWARE	COMMENTS		
				ELEVATION	CONSTRUCTION	FINISH	FIRE RATING	ELEVATION	MATERIAL	FINISH			JAMB	HEAD
101B	16' - 0"	16' - 0"	3"	G	Galv. Steel Track	Pre-finished	-	-	Galv. Steel Track	-	6/ A-501	5/ A-501	HWW#13	OVERHEAD DOOR
102B	16' - 0"	16' - 0"	3"	G	Galv. Steel Track	Pre-finished	-	-	Galv. Steel Track	-	6/ A-501	5/ A-501	HWW#13	OVERHEAD DOOR
103	16' - 0"	16' - 0"	3"	G	Galv. Steel Track	Pre-finished	-	-	Galv. Steel Track	-	6/ A-501	5/ A-501	HWW#13	OVERHEAD DOOR
104	16' - 0"	16' - 0"	3"	G	Galv. Steel Track	Pre-finished	-	-	Galv. Steel Track	-	6/ A-501	5/ A-501	HWW#13	OVERHEAD DOOR
105	16' - 0"	16' - 0"	3"	G	Galv. Steel Track	Pre-finished	-	-	Galv. Steel Track	-	6/ A-501	5/ A-501	HWW#13	OVERHEAD DOOR
106	16' - 0"	16' - 0"	3"	G	Galv. Steel Track	Pre-finished	-	-	Galv. Steel Track	-	6/ A-501	5/ A-501	HWW#13	OVERHEAD DOOR
107	16' - 0"	16' - 0"	3"	G	Galv. Steel Track	Pre-finished	-	-	Galv. Steel Track	-	6/ A-501	5/ A-501	HWW#13	OVERHEAD DOOR
108	16' - 0"	16' - 0"	3"	G	Galv. Steel Track	Pre-finished	-	-	Galv. Steel Track	-	6/ A-501	5/ A-501	HWW#13	OVERHEAD DOOR
109B	16' - 0"	16' - 0"	3"	G	Galv. Steel Track	Pre-finished	-	-	Galv. Steel Track	-	6/ A-501	5/ A-501	HWW#13	OVERHEAD DOOR
110B	16' - 0"	16' - 0"	3"	G	Galv. Steel Track	Pre-finished	-	-	Galv. Steel Track	-	6/ A-501	5/ A-501	HWW#13	OVERHEAD DOOR W/ WATERPROOF NEMA 4 OPERATOR
110D	16' - 0"	16' - 0"	3"	G	Galv. Steel Track	Pre-finished	-	-	Galv. Steel Track	-	6/ A-501	5/ A-501	HWW#13	OVERHEAD DOOR W/ WATERPROOF NEMA 4 OPERATOR



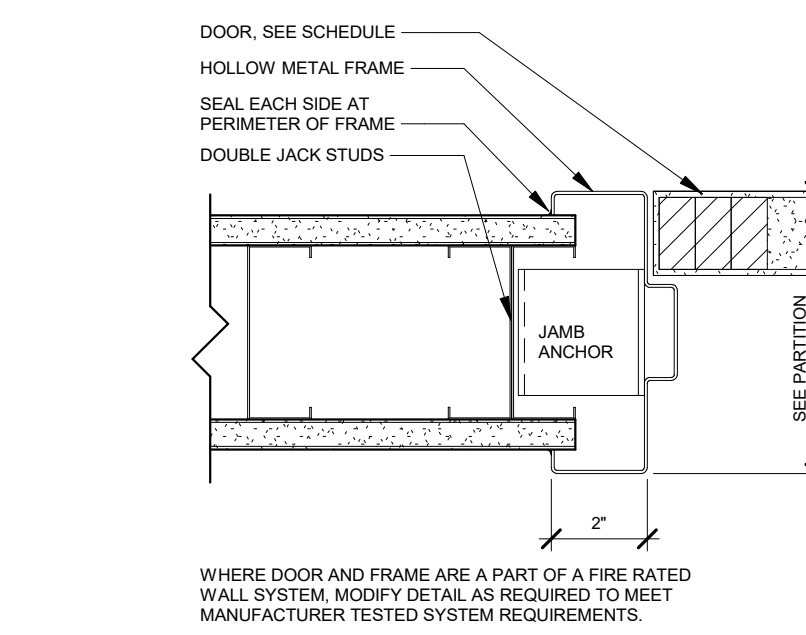
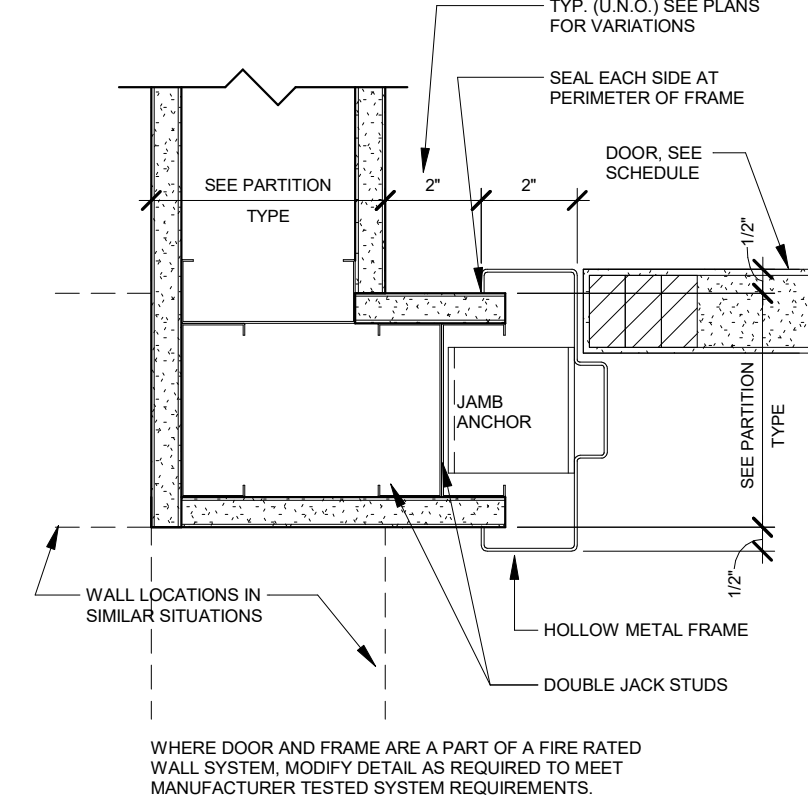
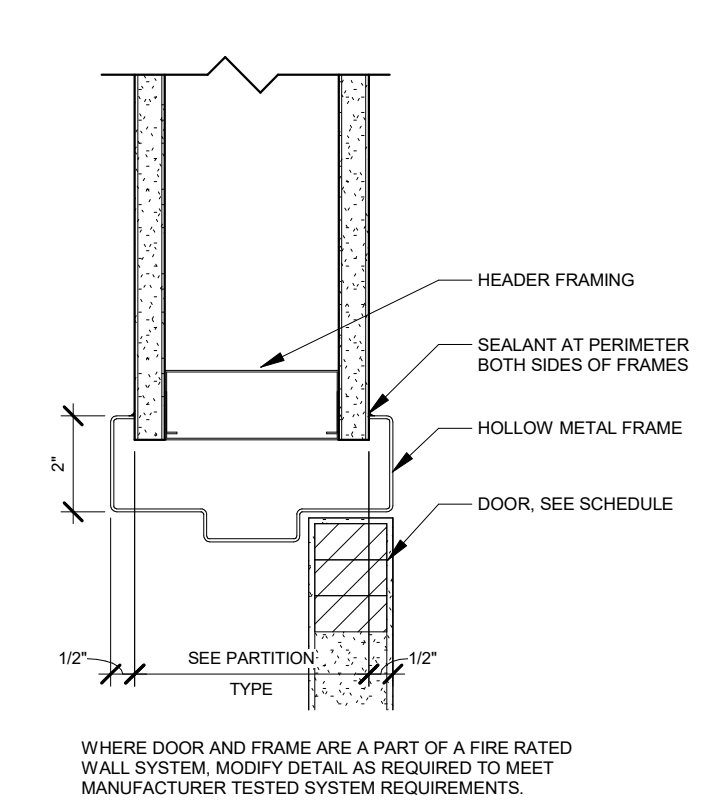
1 DOOR ELEVATIONS



2 DOOR FRAME ELEVATIONS



6 ALUMINUM FRAME ELEVATIONS



GENERAL DOOR HARDWARE NOTES

- ALL HOLLOW METAL DOORS TO BE ANCHORED WITH 5/16\"/>

PARTITION TYPES GENERAL NOTES:

- PROVIDE GENS SHIELD IN LIEU OF GWB AT ALL LOCATIONS SCHEDULED TO RECEIVE TILE. SEE SPEC SECTIONS ROOM AND ROOM FINISH SCHEDULE.
- PROVIDE GWB TYPE MOLD RESISTANT WITHIN 4'-0\"/>

Lincoln
1221 N Street, Suite 600
Lincoln, NE 68508

Norfolk
130 South 5th Street
Norfolk, NE 68701

Vermillion
15 East Main, Suite 201
Vermillion, SD 57069

davis design

benesch
Alvin Benesch & Company
Lincoln, Nebraska 68508
402-479-2200



Davis Design's NBEA Certificate of Authorization #CA0539

Nebraska Department of Transportation

2500 S HWY 15
Seward, NE 68434

Seward Maintenance Facility - 100% BID Package

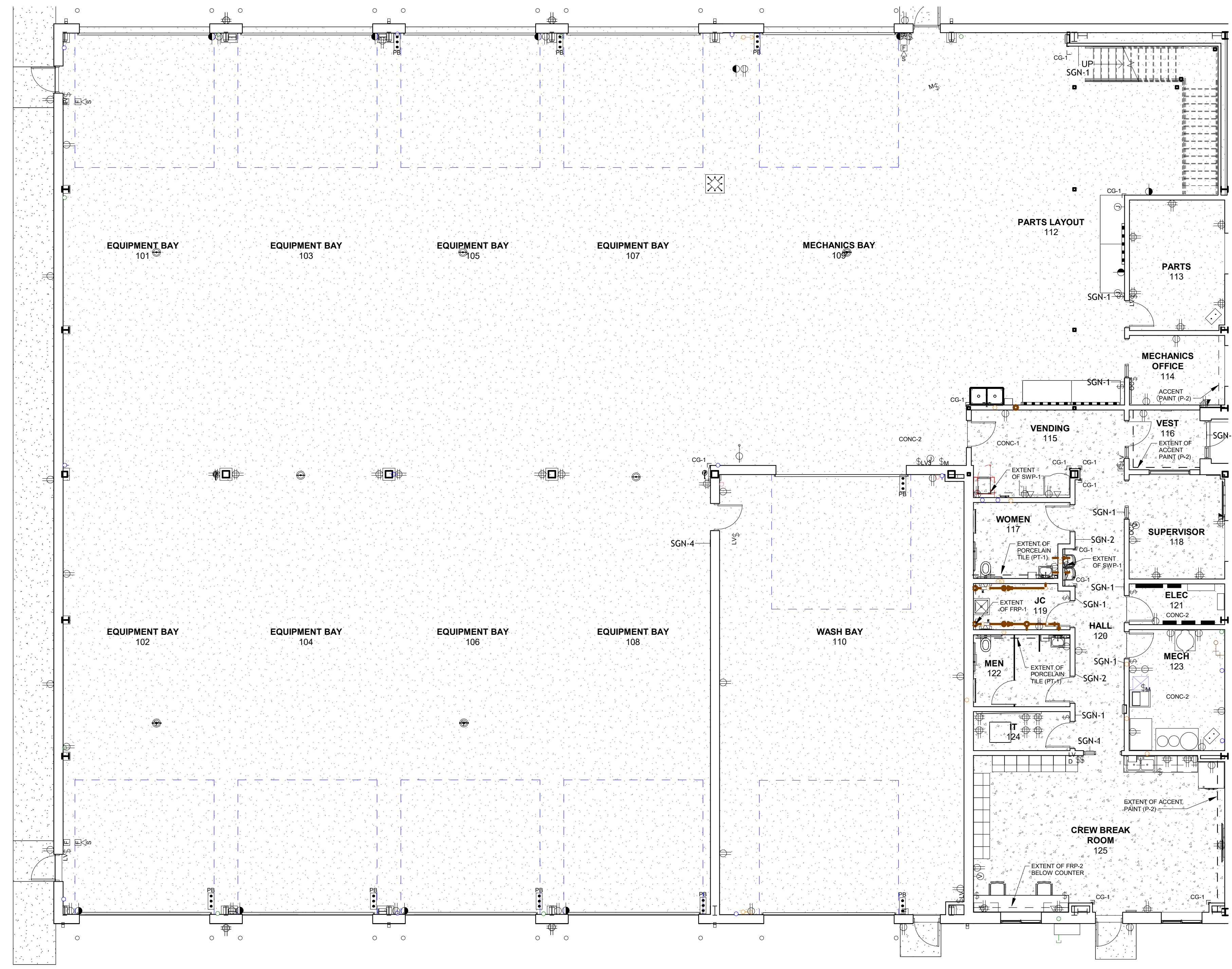
JOB # 24-0034

ISSUE DATE 11-16-2024
ISSUE FOR Construction Documents

Revisions	ID	Date	Description
1	11	11-26-2024	AD-1
2	12	12-10-2024	AD-2

Door Schedule and Details

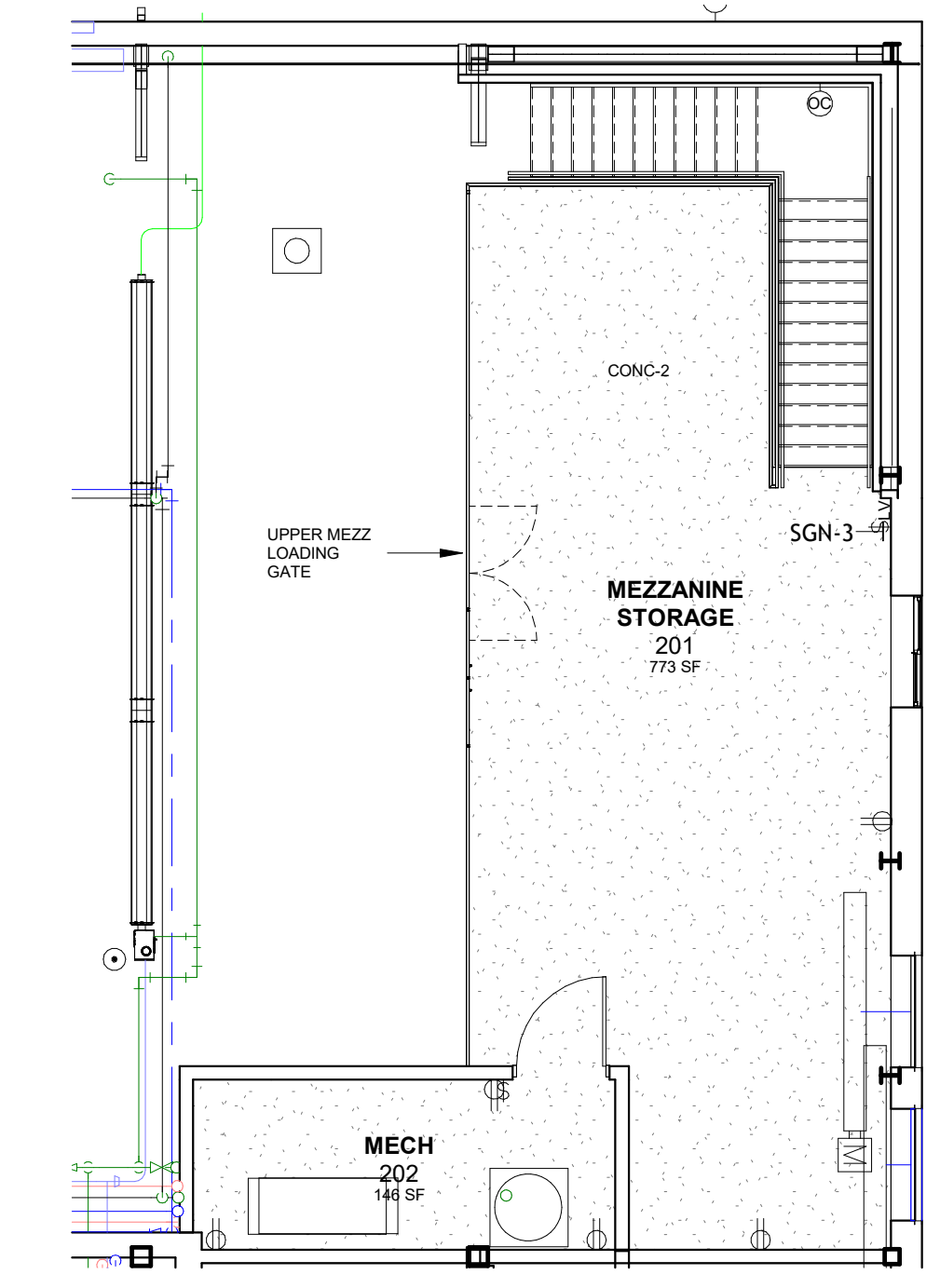
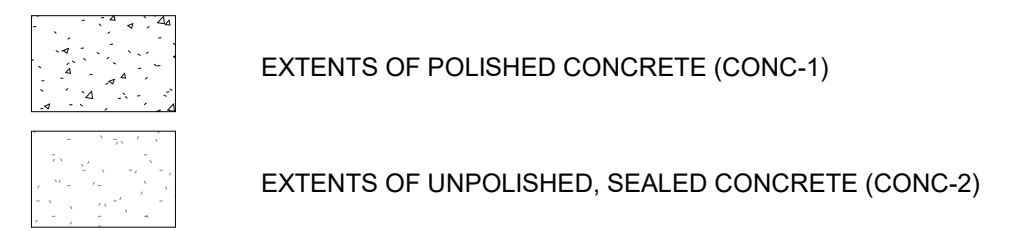
SHEET NUMBER
A-601



MATERIAL LIST						
CODE	MANUFACTURER	MODEL / STYLE	COLOR	SIZE / DESCRIPTION	NOTES	
ACOUSTIC PANEL CEILING (APC)						
APC-1	UNITED STATES GYPSUM COMPANY	#414 FROST ACOUSTICAL PANELS	WHITE	24"X24"X 3/4" THICK		
GRID-1	UNITED STATES GYPSUM COMPANY	DOWN DX GRID	WHITE	15/16" GRID	USE AT APC-1	
CONCRETE (CONC)						
CONC-1	POLISHED CONCRETE	-	-	-	SEE SPECIFICATION SECTION 033000	
CONC-2	UNPOLISHED, SEALED CONCRETE	-	-	-	SEE SPECIFICATION SECTION 033000	
CORNER GUARD (CG)						
CG-1	INPRO	SURFACE MOUNT STAINLESS STEEL CORNER GUARDS	STAINLESS STEEL	3.5" WING SIZE; CEMENT-ON ADHESIVE; 4" HIGH MOUNTED ABOVE FLOOR BASE.	ALL OUTSIDE CORNERS WHERE INDICATED	
FIBERGLASS REINFORCED PLASTIC (FRP)						
FRP-1	CRANE COMPOSITES	GLASBORD	WHITE 85	PEBBLE EMBOSSED FINISH	PROVIDE HARMONIZING TRIM PIECES AS REQUIRED. INSTALL ABOVE MOP SINKS.	
FRP-2	CRANE COMPOSITES	GLASBORD	SOFT BEIGE 70	PEBBLE EMBOSSED FINISH	PROVIDE HARMONIZING TRIM PIECES AS REQUIRED. INSTALL BELOW DESKS.	
GROUT (G)						
G-1	MAPEI	ULTRACOLOR PLUS MAX	IVORY 39	-	USE AT PT-1	
LINER PANEL (LP-1)						
LP-1	EXTRUTECH PLASTICS, INC.	P2400 TONGUE AND GROOVE, RIB REINFORCED PVC PANEL	WHITE	GLOSSY FINISH, FLAT SURFACE, 1/2" THICK, 24" WIDE, WITH NAILING FINIS	FULL HEIGHT AT 4 SIDES OF WASH BAY WALLS	
LP-2	PEMB	METAL BUILDING LINER PANEL	WHITE	SEE SPECIFICATION SECTION 133419	USE AT ALL WALLS IN MECHANICS AND EQUIPMENT BAYS	
METAL TRIM (MT)						
MT-1	SCHLUTER	SCHLUTER-ROUNDEC	TEXTURE COLOR-COATED ALUMINUM	-	USE AT EXPOSED TILE EDGES	
PAINT (P)						
P-1	SHERWIN WILLIAMS	SW 6098	PACER WHITE	FINISH: EGG SHELL	MAIN OFFICE WALL COLOR	
P-2	SHERWIN WILLIAMS	SW 9111	ANTLER VELVET	FINISH: EGG SHELL	ACCENT 1	
P-3	THEMEC	ENDURA-SHIELD II SERIES 1075	SAFETY YELLOW	FINISH: SEMI-GLOSS	STAIR & MEZZANINE RAILINGS, STAIR STRINGERS, STAIR PANS AND STEEL EDGES ALONG EDGES OF MEZZANINE SLAB	
P-4	SHERWIN WILLIAMS	SW 7006	EXTRA WHITE	FINISH: SEMI-GLOSS	SHOP EXPOSED STEEL & COLUMNS	
P-5	SHERWIN WILLIAMS	SW 7006	EXTRA WHITE	FINISH: FLAT	UNDERSIDE OF MEZZANINE, GYP CEILING	
P-6	SHERWIN WILLIAMS	SW 7074	SOFTWARE	FINISH: SEMI-GLOSS	EXPOSED MECHANICAL, SPRINKLER, AND CONDUIT SYSTEMS IN SHOP	
P-7	SHERWIN WILLIAMS	SW 6098	PACER WHITE	FINISH: EGG SHELL EPOXY	RESTROOM WALLS	
P-8	SHERWIN WILLIAMS	TBD	TO MATCH RESILIENT BASE (RB-1)	FINISH: SEMI-GLOSS	METAL DOORS AND WINDOW FRAMES	
PLASTIC LAMINATE (PL)						
PL-1	FORMICA	7294-58	LIME STONE	MATTE FINISH	VERTICAL CASEWORK	
PL-2	FORMICA	8831-58	ELEMENTAL STONE	MATTE FINISH	COUNTERTOPS	
PORCELAIN TILE (PT)						
PT-1	VIRGINIA TILE / CROSSVILLE, INC.	GOTHAM AV322	PENTHOUSE	12"X24", 3/8" THICK, RECTIFIED, UNPOLISHED		
RUBBER BASE (RB)						
RB-1	BURKE	4" STANDARD RUBBER COVE BASE	MOCHA #597	-		
SOLID SURFACE MATERIAL (SSM)						
SSM-1	HI-MACS	IS002	ALMOND	SEMI-GLOSS FINISH; 1/2" THICK	WINDOW SILLS	
STAIN (S)						
S-1	VT INDUSTRIES	FACTORY STAIN GRADE A RED OAK	CLEAR CL 18	SEMIGLOSS	SEE SPECIFICATION 081416	
STAINLESS STEEL WALL PANELS (SWP)						
SWP-1	INPRO	STAINLESS STEEL SHEET WALL CLADDING	STAINLESS STEEL	4X10 SHEET, 16 GA, 304 ALLOY, #4	USE COORDINATING TOP TRIM, CAP EXPOSED CORNER WITH CG-1. PANELS ARE TO BE 4" HIGH AND MOUNTED DIRECTLY ABOVE BASE.	
TILE BASE (TB)						
TB-1	VIRGINIA TILE / CROSSVILLE, INC.	GOTHAM AV322	PENTHOUSE	12X24 CUT INTO 6X12 TILES		
TOILET COMPARTMENT (TC)						
TC-1	ASA ACCURATE PARTITIONS	SOLID PLASTIC PARTITIONS (HDPE)	METALLIC BRONZE #9513	HAMMERED TEXTURE	SEE SPECIFICATION SECTION 102113	

1 FIRST LEVEL FINISH PLAN
1/8" = 1'-0"

INTERIOR MATERIALS LEGEND



2 Mezzanine Floor Plan
1/8" = 1'-0"

SIGNAGE SCHEDULE

Room Number	Arch. Plan Room Name	Text on Sign	Type	Type Mark	Quantity	Sign Location	Sign Location Notes
110	WASH BAY	WASH BAY	TYPE 4	SGN-4	1	LATCH SIDE OF DOOR 4" AWAY FROM DOORFRAME, 5' HIGH ON CENTER	MOUNT BY DOOR 110C
113	PARTS	PARTS	TYPE 1	SGN-1	1	LATCH SIDE OF DOOR 4" AWAY FROM DOORFRAME, 5' HIGH ON CENTER	
114	MECHANICS OFFICE	MECHANIC	TYPE 1	SGN-1	1	CENTER AND MOUNT ON SIDELIGHT, 5' HIGH ON CENTER	
116	VEST	2500 S. HWY 15	TYPE 5	SGN-5	1	MOUNT TO TRANSLUCENT GLASS OVER EXTERIOR DOOR 116A. AT ENTRY	
117	WOMEN	WOMEN (W/ GRAPHIC)	TYPE 2	SGN-2	1	LATCH SIDE OF DOOR 4" AWAY FROM DOORFRAME, 5' HIGH ON CENTER	
118	SUPERVISOR	SUPERVISOR	TYPE 1	SGN-1	1	CENTER AND MOUNT ON SIDELIGHT, 5' HIGH ON CENTER	
119	JC	CUSTODIAL	TYPE 1	SGN-1	1	LATCH SIDE OF DOOR 4" AWAY FROM DOORFRAME, 5' HIGH ON CENTER	
121	ELEC	ELECTRICAL	TYPE 1	SGN-1	1	LATCH SIDE OF DOOR 4" AWAY FROM DOORFRAME, 5' HIGH ON CENTER	
122	MEN	MEN (W/ GRAPHIC)	TYPE 2	SGN-2	1	LATCH SIDE OF DOOR 4" AWAY FROM DOORFRAME, 5' HIGH ON CENTER	
124	IT	DATA	TYPE 1	SGN-1	1	LATCH SIDE OF DOOR 4" AWAY FROM DOORFRAME, 5' HIGH ON CENTER	
125	CREW BREAK ROOM	CREW ROOM	TYPE 1	SGN-1	1	CENTER AND MOUNT ON SIDELIGHT, 5' HIGH ON CENTER	MOUNT BY DOOR 124B
201	MEZZANINE STORAGE	MEZZANINE	TYPE 1	SGN-1	1	EAST WALL ADJACENT TO BOTTOM OF STAIRS, 5' HIGH ON CENTER	
201	MEZZANINE STORAGE	MEZZANINE MAXIMUM LOAD CAPACITY 250 LBS/SQ. FT.	TYPE 3	SGN-3	1	SOUTH WALL ADJACENT TO TOP OF STAIRS, 5' HIGH ON CENTER	NO ROOM NUMBER OR BRAILLE

GENERAL SIGNAGE NOTES:
 * TYPE 1 SIGNS SHALL INCLUDE ROOM NUMBER, NAME, AND BRAILLE.
 * TYPE 2 SIGNS SHALL INCLUDE ROOM NAME, GRAPHIC IMAGE, AND BRAILLE.
 * TYPE 3 SIGNS SHALL INCLUDE ROOM NAME AND MESSAGE.
 * TYPE 4 SIGNS SHALL INCLUDE ROOM NAME AND BRAILLE.
 * TYPE 5 SIGNS SHALL INCLUDE BUILDING ADDRESS IN VINYL FILM.
 * SIGNS ARE TO BE LOCATED ON THE LATCH SIDE OF THE DOOR AT 4" OF HEIGHT ON CENTER AND 4" AWAY FROM DOORFRAME UNLESS NOTED OTHERWISE IN SCHEDULE OR BY ADA REGULATIONS.
 * SEE FLOOR FINISH PLAN ON SHEET 1-01 FOR SIGNAGE LOCATIONS.
 * ALL SIGNAGE MUST COMPLY WITH ADA REGULATIONS.
 * THERE SHALL BE ONE SIGN FOR EACH PERMANENT SPACE OR ROOM.
 * SEE SPECIFICATION 10-42 FOR DETAILS.

ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	BASE	WALLS				CEILING	REMARKS
				North	East	South	West		
01 - FIRST LEVEL									
101	EQUIPMENT BAY	CONC-2	CONC-2	LP-2	LP-2	-	-	EXPOSED	1, 4
102	EQUIPMENT BAY	CONC-2	CONC-2	LP-2	-	-	LP-2	EXPOSED	1, 4
103	EQUIPMENT BAY	CONC-2	CONC-2	-	-	-	LP-2	EXPOSED	1, 4
104	EQUIPMENT BAY	CONC-2	CONC-2	-	-	-	LP-2	EXPOSED	1, 4
105	EQUIPMENT BAY	CONC-2	CONC-2	-	-	-	LP-2	EXPOSED	1, 4
106	EQUIPMENT BAY	CONC-2	CONC-2	-	-	-	LP-2	EXPOSED	1, 4
107	EQUIPMENT BAY	CONC-2	CONC-2	-	-	-	LP-2	EXPOSED	1, 4
108	EQUIPMENT BAY	CONC-2	CONC-2	-	-	-	LP-2	EXPOSED	1, 4
109	MECHANICS BAY	CONC-2	CONC-2	-	-	-	LP-2	EXPOSED	1, 4
110	WASH BAY	CONC-2	CONC-2	LP-1	LP-1	LP-1	LP-1	EXPOSED	1, 4
112	PARTS LAYOUT	CONC-2	CONC-2	P-1	P-1	P-1	P-1	EXPOSED	1, 4
113	PARTS	CONC-2	CONC-2	P-1	P-1	P-1	P-1	APC-1, GRID-1	
114	MECHANICS OFFICE	CONC-2	CONC-2	P-1	P-1	P-1	P-1	APC-1, GRID-1	
115	VENDING	CONC-1	CONC-1	P-1	P-1	P-1	P-1	SWP-1 / GYP (P-5)	6
116	VEST	CONC-1	RB-1	P-2	P-1	P-1	P-2	GYP (P-5)	
117	WOMEN	CONC-1	TB-1	P-7	P-7	P-7	PCT-1	APC-1, GRID-1	2
118	SUPERVISOR	CONC-1	RB-1	P-1	P-1	P-1	P-1	APC-1, GRID-1	3
119	JC	CONC-1	RB-1	FRP-1 / P-7	P-7	P-7	P-7	APC-1, GRID-1	5
120	HALL	CONC-1	RB-1	SWP-1 / P-1	P-1	P-1	P-1	APC-1, GRID-1	6
121	ELEC	CONC-2	RB-1	P-1	P-1	P-1	P-1	EXPOSED	
122	MEN	CONC-1	TB-1	P-7	PCT-1	P-7	P-7	APC-1, GRID-1	2
123	MECH	CONC-2	RB-1	P-1	P-1	P-1	P-1	EXPOSED	
124	IT	CONC-1	RB-1	P-1	P-1	P-1	P-1	APC-1, GRID-1	
125	CREW BREAK ROOM	CONC-1	RB-1	P-1	P-1	P-2	P-1 / FRP-2	APC-1, GRID-1	
03 - MEZZANINE									
201	MEZZANINE STORAGE	CONC-2	LP-2	LP-2	LP-2	LP-2	LP-2	EXPOSED	
202	MECH	CONC-2	RB-1 / LP-2	P-1	P-1	LP-2	LP-2	EXPOSED	

ROOM FINISH SCHEDULE (RFS) NOTES:
 1. CEILING IS EXPOSED TO PERMS INSULATION LINER. SEE REFLECTED CEILING PLAN.
 2. CUT PICTS TO EXIST TILES FOR BASE (TB-1). INSTALL SCALER TRIMLINE "NOBLE" EDGE PROTECTION SYSTEM ON EXPOSED TOP EDGE OF T&E BASE. METAL EDGE PROTECTION SYSTEM SHALL INCLUDE ACCESSORY PIECES SUCH AS INSIDE AND OUTSIDE CORNER TRIM, END CAPS, AND CONNECTORS.
 3. FIBERGLASS REINFORCED PLASTIC (FRP) 48" HIGH SHEET TO BE MOUNTED DIRECTLY ABOVE BASE AT MOP SINK. PAINT AS SCHEDULED ABOVE AND AT ALL OTHER WALLS. FRP IS TO EXTEND A MIN OF 12" BEYOND THE EDGE OF MOP SINK. SEE FLOOR FINISH PLANS FOR EXTENTS OF FRP.
 4. SHOP AREA INCLUDING WASH BAY EXPOSED MECHANICAL LINES, SPRINKLER LINES, CONDUIT, EXCLUSION CONDUIT ASSOCIATED WITH THE FIRE ALARM SYSTEM WHICH SHALL HAVE A RED PAINT FINISH TO BE PAINTED TO MATCH SHERWIN WILLIAMS "SOFTWARE" SW 7074. IN PAINT SYSTEM IDENTIFIED IN SECTION 09000.
 5. STAIR AND MEZZANINE RAILINGS, STAIR STRINGERS, STAIR PANS AND STEEL EDGES ALONG EDGES OF MEZZANINE SLAB TO BE PAINTED THEMEC, "SAFETY YELLOW" IN PAINT SYSTEM IDENTIFIED IN SECTION 09000.
 6. STAIR TO MEZZANINE IS TO BE METAL SYSTEM WITH CONCRETE FLOOR TRIM. STEEL STAIR ASSEMBLY TO BE PAINTED SAFETY YELLOW.
 7. HOLLANDS TO BE PAINTED THEMEC, "SAFETY RED" IN PAINT SYSTEM IDENTIFIED IN SECTION 09000.
 8. CONTRACTOR SHALL USE CARE TO PROTECT ALL EXPOSED CONCRETE, FLOOR SURFACES FROM STAINING AND/OR DAMAGE DURING COURSE OF CONSTRUCTION. CONCRETE FLOOR SURFACES ARE NOT SCHEDULED TO RECEIVE A FLOOR COVERING AND WILL BE EXPOSED TO A VIEW AT THE END OF THE PROJECT. USE PROTECTIVE METHODS AND MATERIALS TO PROTECT EXPOSED CONCRETE FLOOR SURFACES.
 9. UNDERSIDE OF MEZZANINE IN SHOP AREA TO BE PAINTED TO MATCH SHERWIN WILLIAMS "EXTRA WHITE" SW 7006 (U.A.O.) IN PAINT SYSTEM IDENTIFIED IN SECTION 09000.
 10. REFER TO SECTION 09000 FOR FLOOR FINISH LOCATIONS.
 11. SEE FLOOR FINISH PLANS FOR ACCENT WALL FINISH LOCATIONS.
 12. REFER TO SECTION 09000 FOR FLOOR FINISH LOCATIONS.
 13. SEE INTERIOR ELEVATIONS FOR THE EXTENTS & PATTERNS.
 14. ALL DOOR INTERIOR WOOD DOOR FRAMES TO BE PAINTED (P-4).
 15. ALL STAINED WOOD DOORS SHALL BE STAINED (S-1).
 16. ALL DIV 5 DOORS & SLEIGHERS SHALL BE PAINTED TO MATCH ADJACENT WALL UNLESS NOTED OTHERWISE ON REFLECTED CEILING PLAN.
 17. ALL WINDOW SILLS SHALL BE SOLID SURFACE MATERIAL (SSM-1).
 18. ALL CORNER GUARDS (CG-1) SHALL BE FLOOR FINISH PLAN FOR LOCATIONS.
 19. ALL EXPOSED (UPPER) EDGES AND JOINTS CORNERS OF WALLS SHALL BE COVERED WITH METAL TRIM (MT-1).
 20. ALL MATERIALS IN THE MATERIAL LIST ARE BASES OF DESIGN. SEE SPECIFICATIONS FOR APPROVED EQUIVALENT MANUFACTURER PRODUCTS.
 21. ALL TERMINAL SPECIFICATIONS FOR MATERIALS TO BE PROVIDED BY THE INDICATED (IN) OR (OUT) SHALL BE ACCEPTED AS SUBSTITUTIONS UNLESS APPROVED DURING BIDDING PROCESS.
 22. CONTACT DAVIS DESIGN WITH ANY QUESTIONS CONCERNING MATERIAL AND/OR INSTALLATION PRIOR TO PROCEEDING.



Davis Design's NBEA Certificate of Authorization #CA0539

Nebraska Department of Transportation

2500 S HWY 15
Seward, NE 68434

Seward Maintenance Facility - 100% BID Package

JOB # 24-0034

ISSUE DATE 11-16-2024
ISSUE FOR Construction Documents

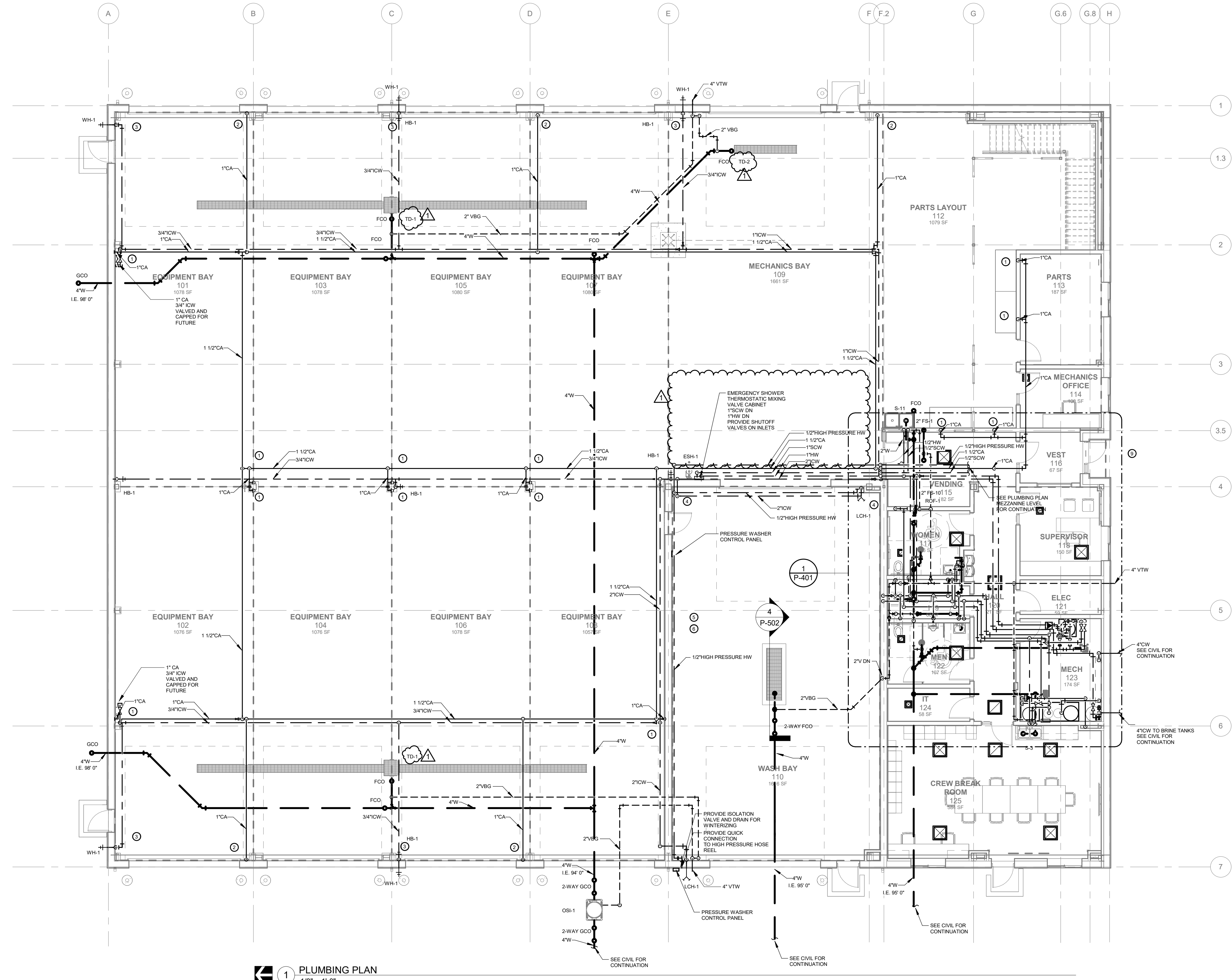
Revisions
ID Date Description
2 12-10-2024 AD-2

Checked by: MKC
Drawn by: MKC
Title: Seward Maintenance Facility - 100% BID Package

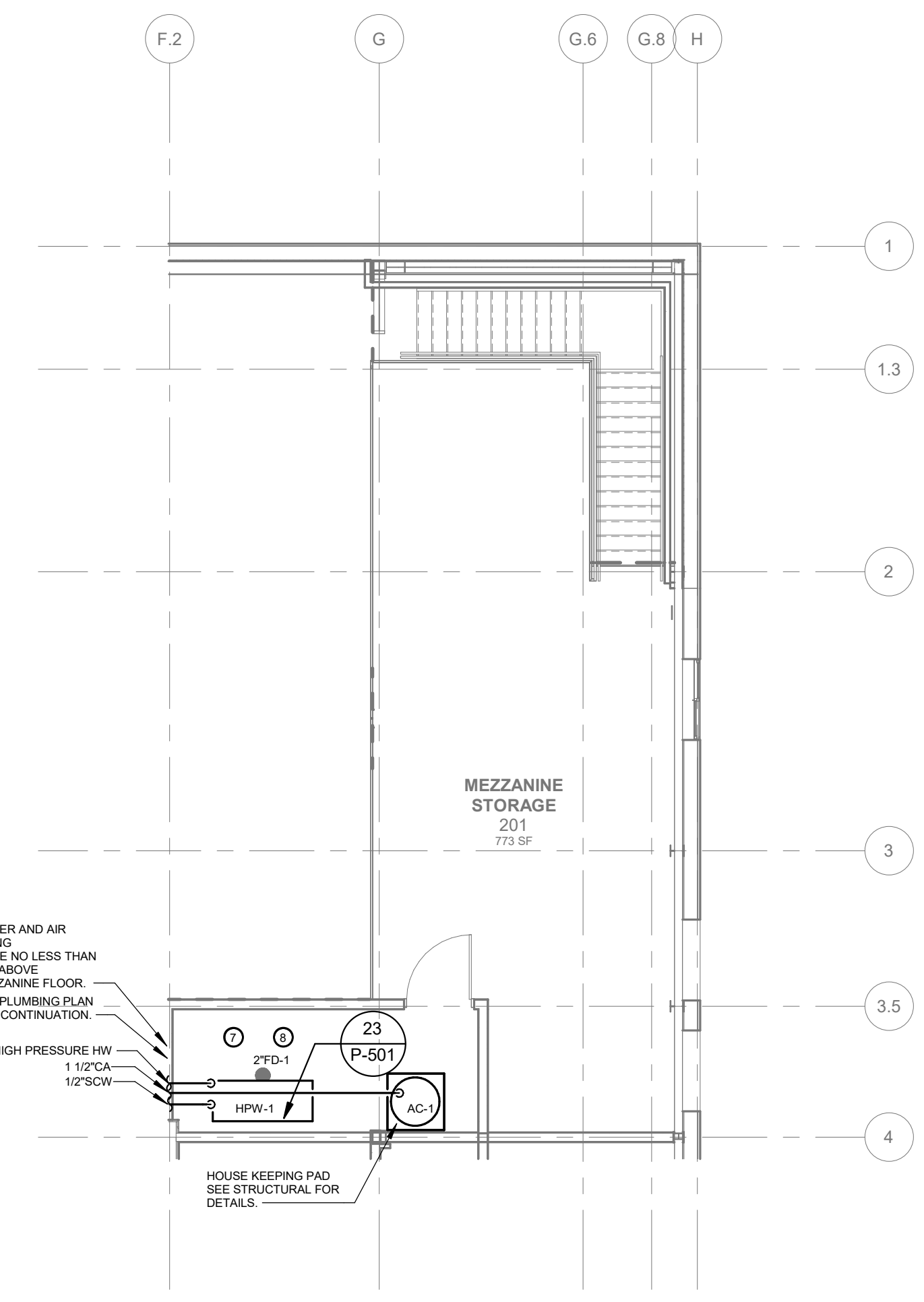
Sheet Title
Floor Finish Plan & Schedules

Sheet Number
I-101

- PLUMBING GENERAL NOTES**
- SEE SHEET P-501 FOR ALL GENERAL NOTES APPLICABLE TO THIS SHEET.
- PLUMBING KEYED NOTES**
- PROVIDE SINGLE AIR LINE DROOP - SEE DETAIL ON P-501 - QUICK CONNECT FITTINGS PROVIDED BY OWNER.
 - PROVIDE DOUBLE AIR LINE DROOP - EXTERIOR CONNECTION AT 2' AFF. SEE DETAIL ON P-501 - QUICK CONNECT FITTINGS PROVIDED BY OWNER.
 - PROVIDE PVC JACKET ON VERTICAL WATER PIPING DROOPS AT GARAGE DOOR LOCATIONS UP TO 18" AFF. ALL OUTSIDE WALL HYDRANTS SHALL BE AT 2' AFF. ALL INSIDE HOSE BIBS SHALL BE AT 3' AFF.
 - PROVIDE CONNECTION TO FLEXIBLE HIGH PRESSURE WASH HOSE AT ABOVE 15' AFF. SUPPORT WASH HOSE WITH PROVIDED TROLLEY SYSTEM.
 - ALL PIPING IN WASH BAY SHALL BE UNINSULATED.
 - STAINLESS STEEL HANGERS SHALL BE USED IN THE WASH BAY.
 - 12" HIGH PRESSURE HOT WATER DISCHARGE FROM HOTSPY PRESSURE WASHERS SHALL BE 304 STAINLESS STEEL SCHEDULE 80 PIPE AND 304 STAINLESS DOUBLE SOCKET WELDED FITTINGS OR 50" SWAGE LOCK PIPING AND FITTINGS. ALL PIPING AND FITTINGS SHALL BE NOTED FOR NO LESS THAN THE WORKING PRESSURE OF THE EQUIPMENT BEING INSTALLED.
 - PROVIDE VIBRATION DAMPING SUPPORTS ON HIGH PRESSURE HOT WATER PIPING THROUGHOUT.
 - OWNER REQUIREMENT THAT ALL PIPE THREADING BE DONE OUTSIDE THE BUILDING. CONTRACTOR MAY NOT THREAD PIPING ON ANY CONCRETE INSIDE OR OUTSIDE THE BUILDING.
 - TYPICAL INSTALL ENGRAVED PLASTIC LAMINATED SIGN READING "NON-POTABLE WATER DO NOT DRINK" ABOVE EACH HOSE BIBS.



1 PLUMBING PLAN
1/8" = 1'-0"



2 MEZZANINE LEVEL PLUMBING PLAN
1/8" = 1'-0"



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Nebraska Department of Transportation

2500 S HWY 15
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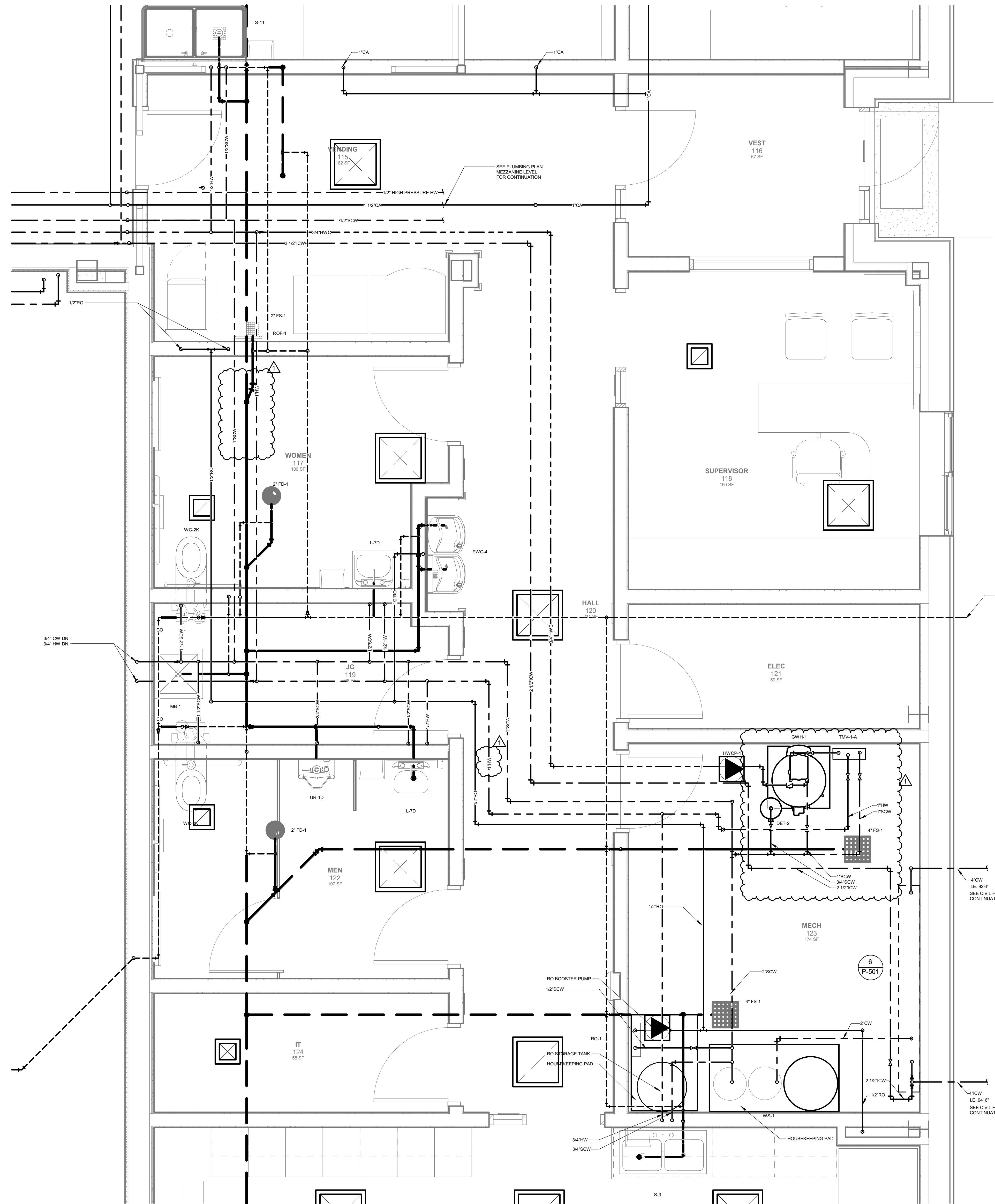
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Revisions	ID	Date	Description
	1	11-16-2024	AD-2

Checked by BMS
Designed by LJS
Drawn by: KRP/MS/RSR/CO

SHEET TITLE
Plumbing Plans

SHEET NUMBER
P-101



1 PLUMBING ENLARGED PLAN
1/2" = 1'-0"



Davis Design's NEBE Certificate of Authorization #CA0539

Nebraska Department of Transportation

2500 S HWY 15
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Seward Maintenance Facility - 100% BID Package

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Plumbing Enlarged Plans

SHEET NUMBER
P-401

FIRE SUPPRESSION PIPING SCHEDULE

GENERAL NOTES:
 1. SCHEDULE BELOW IDENTIFIES BASIC MATERIAL REQUIREMENTS, REFERENCE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 2. ALL MATERIALS AND INSTALLATION SHALL MEET LOCAL CODE REQUIREMENTS.
 3. FOLLOW ALL MANUFACTURERS REQUIREMENTS FOR INSTALLATION.
 4. COORDINATE ALL UTILITY INVERT ELEVATIONS WITH CIVIL UTILITY PIPING, VERIFY INVERTS PRIOR TO PIPING INSTALLATION.
 5. DETECTABLE WARNING TAPE SHALL BE INSTALLED OVER ALL OUTDOOR UTILITY PIPING.
 6. DETECTABLE WARNING TAPE SHALL BE INSTALLED OVER ALL OUTDOOR UTILITY PIPING.
 7. ALL HANGERS FOR FIRE SUPPRESSION SYSTEMS SHALL MEET NFPA REQUIREMENTS.
 8. ON GALVANIZED STEEL PIPING SYSTEMS, ALL FITTINGS, COUPLERS, HANGERS, SUPPORTS, ETC. SHALL BE GALVANIZED.
 9. THINWALL, LIGHTWALL, OR OTHER SIMILAR ENGINEERED PIPING TYPES WITH WALL THICKNESSES LESS THAN THE SPECIFIED PIPING TYPES BELOW ARE NOT ALLOWED.

SYSTEM	LOCATION	SIZE INCHES	PIPE MATERIAL	FITTING / JOINT TYPE	HANGER TYPE	HANGER MATERIAL
FIRE SERVICE	UNDERGROUND UTILITY SERVICE	ALL SIZES	SCHEDULE 40 BLACK IRON	THREADED OR CUT/ROLL GROOVED	PER NFPA	ZINC PLATED OR GALVANIZED STEEL
FD-15 CHECK	ABOVEGROUND	ALL SIZES	SCHEDULE 40 GALVANIZED STEEL	CUT/ROLL GROOVED	PER NFPA	ZINC PLATED OR GALVANIZED STEEL
WI FIRE SPRINKLER	ABOVEGROUND	2 AND SMALLER	SCHEDULE 40 BLACK IRON	THREADED OR CUT/ROLL GROOVED	PER NFPA	ZINC PLATED OR GALVANIZED STEEL
WI FIRE SPRINKLER	ABOVEGROUND	2 1/2 AND LARGER	SCHEDULE 40 BLACK IRON	WELDED OR ROLL GROOVED	PER NFPA	ZINC PLATED OR GALVANIZED STEEL
WI FIRE SPRINKLER	ABOVEGROUND	2 AND SMALLER	SCHEDULE 40 GALVANIZED STEEL	THREADED OR CUT/ROLL GROOVED	PER NFPA	GALVANIZED STEEL
WI FIRE SPRINKLER	ABOVEGROUND	2 1/2 AND LARGER	SCHEDULE 40 GALVANIZED STEEL	CUT/ROLL GROOVED	PER NFPA	GALVANIZED STEEL

FIRE SUPPRESSION SPRINKLER SCHEDULE

GENERAL NOTES:
 1. SCHEDULE BELOW IDENTIFIES BASIC MATERIAL REQUIREMENTS, REFERENCE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 2. ALL MATERIALS AND INSTALLATION SHALL MEET LOCAL CODE REQUIREMENTS.
 3. FOLLOW ALL MANUFACTURERS REQUIREMENTS FOR INSTALLATION.
 4. PROVIDE HIGH TEMPERATURE HEADS IN MECHANICAL ROOMS, ELECTRICAL ROOMS AND SIMILAR SERVICE AREAS.
 5. PROVIDE HIGH TEMPERATURE HEADS IN MECHANICAL ROOMS, ELECTRICAL ROOMS AND SIMILAR SERVICE AREAS.
 6. WHEN INSTALLED IN LAY IN CEILING, HEADS SHALL BE LOCATED IN THE CENTER OF LAY IN CEILING TELES.
 7. VICTALUX VOLTAGE-FLEXIBLE SPRINKLER DRIPS MAY BE UTILIZED.

AREA	SPRINKLER TYPE	SPRINKLER FINISH	DISCUSSION TYPE	ESCU/OTHER FINISH	NOTES
FINISHED SPACES WITH CEILING	CONCEALED	ROUGH BRONZE	CONCEALED	WHITE	
FINISHED SPACES WITHOUT CEILING	UPRIGHT	CHROME PLATED	NONE	NONE	
UNFINISHED SPACES WITH CEILING	HORIZONTAL SIDEWALL	ROUGH BRONZE	CONCEALED	WHITE	
UNFINISHED SPACES WITHOUT CEILING	HORIZONTAL SIDEWALL	ROUGH BRONZE	NONE	NONE	
HIGH HUMIDITY OR CORROSIVE SPACES	HORIZONTAL SIDEWALL	ROUGH BRONZE	BRASS	BRASS	
HIGH HUMIDITY OR CORROSIVE SPACES	UPRIGHT	CONCORUS RESISTANT ELECTROLESS NICKEL PITE	INCREASED	CORROSION RESISTANT PITE	UTILIZE IN WASHROOM AND JANITORS CLOSET

PLUMBING PIPING HANGER SCHEDULE

GENERAL NOTES:
 1. SCHEDULE BELOW IDENTIFIES BASIC MATERIAL REQUIREMENTS, REFERENCE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 2. ALL MATERIALS AND INSTALLATION SHALL MEET LOCAL CODE REQUIREMENTS.
 3. FOLLOW ALL MANUFACTURERS REQUIREMENTS, INCLUDING SPECIFIC TYPE SUPPORT REQUIREMENTS FOR PLASTIC AND SIMILAR PIPING TYPES.
 4. FOR PIPING HANGERS NOT LISTED, INSTALL HANGERS PER NFPA REQUIREMENTS AND USE (SP) 48.
 5. DO NOT USE WIRE, CHAIN, RIVETED PIPE STRAP OR WOOD FOR PERMANENT SUPPORTS UNLESS SPECIFICALLY INDICATED OR PERMITTED.
 6. HANGERS MAY BE USED TO SUPPORT MULTIPLE STRAIGHT HORIZONTAL PIPING RUNS. PIPING SHALL BE SECURED TO TRAFFIC AND IS NOT PERMITTED TO FREELY REST ON TRAFFIC.
 7. TRAFFIC HANGERS SHALL BE SUPPORTED AT EACH FLOOR.
 8. SUPPORTING PIPING FROM THE BUILDING ROOF DECK IS NOT PERMITTED.
 9. DO NOT USE VERTICAL CABLE FASTENERS.
 10. ROOF DIAMETER MAY BE REDUCED ONE SIZE FOR DOUBLE-ROOF HANGERS, WITH 3/8 INCH MINIMUM ROOF.
 11. FOR UNLUBRICATED COPPER PIPING WHERE HANGERS ARE IN DIRECT CONTACT WITH STEEL, UTILIZE COPPER HANGER MATERIALS.
 12. HANGERS SHALL NOT BE SWALLOWED BY INSULATION IN INSULATED SYSTEMS. THERMAL HANGER BRIDES SHALL BE UTILIZED ON INSULATED SYSTEMS.
 13. FOR PIPING IN HIGH HUMIDITY OR CORROSIVE ENVIRONMENTS, UTILIZE STAINLESS STEEL HANGERS.
 14. ON ALL PIPING (HORIZONTAL, VERTICAL, HANGERS, SUPPORTS) SHALL BE GALVANIZED OR STAINLESS STEEL.
 15. WHERE APPLICATION SPECIFIC HANGER TYPES ARE ALLOWED IN WOOD FRAMED RESIDENTIAL CONSTRUCTION, OR WITH METAL STUD WALLS, HANGERS SHALL BE FACTORY FABRICATED FOR THE SPECIFIC APPLICATION.
 16. SPRING FOR PLASTIC PIPING MATERIALS SHALL NOT EXCEED LISTED UNLESS CONTRACTOR SUBMITS PROPOSED ALTERNATE SPRING MEETING MANUFACTURERS REQUIREMENTS FOR THE APPLICATION. CLOSER SPACING SHALL BE PROVIDED IF REQUIRED BY PIPING MANUFACTURER.

PIPE/MATERIAL	SIZE INCHES	VERTICAL HANGER TYPE	VERTICAL HANGER SPACING FEET	HORIZONTAL HANGER TYPE	HORIZONTAL HANGER SPACING FEET	HANGER MATERIAL
COPPER	3/4 AND SMALLER	RISER CLAMP	10	SWAYL RING BAND OR CLEVIS	5	3/8 ZINC PLATED OR GALVANIZED
COPPER	1 AND 1 1/4	RISER CLAMP	10	SWAYL RING BAND OR CLEVIS	6	3/8 ZINC PLATED OR GALVANIZED
COPPER	1 1/2 AND 2	RISER CLAMP	10	SWAYL RING BAND OR CLEVIS	8	3/8 ZINC PLATED OR GALVANIZED
COPPER	2 1/2	RISER CLAMP	10	CLEVIS	9	1/2 ZINC PLATED OR GALVANIZED
COPPER	3 TO 5	RISER CLAMP	10	CLEVIS	10	1/2 ZINC PLATED OR GALVANIZED
STEEL	1 1/4 AND SMALLER	RISER CLAMP	15	SWAYL RING BAND OR CLEVIS	7	3/8 ZINC PLATED OR GALVANIZED
STEEL	1 1/2	RISER CLAMP	15	SWAYL RING BAND OR CLEVIS	9	3/8 ZINC PLATED OR GALVANIZED
PVC	2 AND SMALLER	RISER CLAMP	4	SWAYL RING BAND OR CLEVIS	4	3/8 ZINC PLATED OR GALVANIZED
PVC	2 1/2 TO 3 1/2	RISER CLAMP	4	CLEVIS	4	1/2 ZINC PLATED OR GALVANIZED
PVC	4 AND 5	RISER CLAMP	4	CLEVIS	4	5/8 ZINC PLATED OR GALVANIZED
PEX	1 AND SMALLER	APPLICATION SPECIFIC	4	APPLICATION SPECIFIC	2.66	APPLICATION SPECIFIC

PLUMBING EQUIPMENT, PIPE LABEL AND VALVE TAG SCHEDULE

GENERAL NOTES:
 1. SCHEDULE BELOW IDENTIFIES BASIC MATERIAL REQUIREMENTS, REFERENCE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 2. WHERE SYSTEMS ARE NOT IDENTIFIED BELOW, THEY SHALL BE LABELED PER ANSI/ASME A13.1 2009.
 3. PIPE LABELS SHALL BE ADHESIVE LABELS WITH ARROW INDICATING FLOW DIRECTION.
 4. PIPE LABEL LETTERING SHALL BE A MINIMUM OF 1/2 INCH AND SHALL INCREASE AS THE PIPE DIAMETER INCREASES.
 5. STENCILED LABELS ARE NOT PERMITTED.
 6. VALVE TAGS SHALL BE 1/2 INCH ROUND 1/16 INCH THICK ENGRAVED PLASTIC LAMINATE, BACKGROUND AND LETTER MATCH PIPE LABEL COLORS.
 7. ALL VALVE TAGS SHALL HAVE 1/2 INCH TALL LETTERS FOR IDENTIFICATION.
 8. ALL VALVE TAGS SHALL BE ATTACHED WITH STAINLESS STEEL WIRE RING CHAIN OR ST. HOOKS. BEADED CHAINS SHALL NOT BE USED.
 9. ALL EQUIPMENT WITH TAGS SHALL BE IDENTIFIED WITH AN EQUIPMENT LABEL. "TEMP" DO NOT REQUIRE TAGS.
 10. ALL EQUIPMENT LABELS SHALL BE 1/2 INCH THICK ENGRAVED PLASTIC LAMINATE WITH WHITE BACKGROUND AND BLACK LETTER COLOR.
 11. ALL EQUIPMENT LABELS SHALL BE 1/2 INCH THICK ENGRAVED PLASTIC LAMINATE WITH RED BACKGROUND AND WHITE LETTER COLOR.
 12. WARNING SIGNS SHALL HAVE 1/2 INCH TALL LETTERS AND BE ATTACHED WITH STAINLESS STEEL WIRE TAGS OR ADHESIVE.
 13. PROVIDE AN EQUIPMENT LABEL AND VALVE TAG SCHEDULE WITH CLOSEOUT DOCUMENTATION.

SYSTEM	BACKGROUND COLOR	LETTER COLOR	LABEL	VALVE TAG ABBREVIATION
DOMESTIC COLD WATER	GREEN	WHITE	DOMESTIC COLD WATER	CV
DOMESTIC HOT WATER	RED	WHITE	DOMESTIC HOT WATER	HW
DOMESTIC HOT WATER PIPING	YELLOW	BLACK	DOMESTIC HOT WATER	HW
HIGH PRESSURE HOT WATER PIPING	YELLOW	BLACK	HIGH PRESSURE HOT WATER	HPHW
DOMESTIC HOT WATER CIRCULATION	YELLOW	BLACK	DOM HOT WATER RECIRC	HWC
REVERSE OSMOSIS	GREEN	WHITE	R.O. WATER	RO
INDUSTRIAL COLD WATER	GREEN	WHITE	NONPOTABLE WATER	NPW
INDUSTRIAL HOT WATER	RED	WHITE	NONPOTABLE WATER	NPW
INDUSTRIAL WASTE	GREEN	WHITE	SANITARY WASTE	SW
INDUSTRIAL WASTE	GREEN	WHITE	SANITARY VENT	CA
INDUSTRIAL WASTE	GREEN	WHITE	COMPRESSED AIR	CA

PLUMBING PIPING INSULATION SCHEDULE

GENERAL NOTES:
 1. SCHEDULE BELOW IDENTIFIES BASIC MATERIAL REQUIREMENTS, REFERENCE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 2. ALL MATERIALS AND INSTALLATION SHALL MEET LOCAL CODE REQUIREMENTS.
 3. FOLLOW ALL MANUFACTURERS REQUIREMENTS FOR INSTALLATION.
 4. COORDINATE ALL UTILITY INVERT ELEVATIONS WITH CIVIL UTILITY PIPING, VERIFY INVERTS PRIOR TO PIPING INSTALLATION.
 5. DETECTABLE WARNING TAPE SHALL BE INSTALLED OVER ALL OUTDOOR UTILITY PIPING.
 6. DETECTABLE WARNING TAPE SHALL BE INSTALLED OVER ALL OUTDOOR UTILITY PIPING.
 7. UNLESS NOTED BELOW OR IN SPECIFICATIONS TO BE OTHERWISE, BALL VALVES SHALL BE TWO PIECE FULL PORT BRONZE BALL VALVE WITH BRONZE TRIM, PTFE OR TFE SEALS, AND CHROME PLATED BRASS BALL.
 8. UNLESS NOTED BELOW OR IN SPECIFICATIONS TO BE OTHERWISE, BUTTERFLY VALVE SHALL BE IRON LINED BUTTERFLY VALVE WITH EPDM SEAT, STAINLESS STEEL STEM, AND ALUMINUM BRONZE DISC.
 9. ALL PIPING SHALL BE INSTALLED AT SLOPES REQUIRED PER SPECIFICATIONS AND/OR NOTES ON DRAWINGS, BUT IN NO CASE LESS THAN CODE REQUIREMENTS.

SYSTEM	LOCATION	SIZE INCHES	INSULATION MATERIAL	INSULATION THICKNESS	FIELD APPLIED	NOTES
DOMESTIC COLD WATER	INDOOR ABOVEGROUND	1 AND SMALLER	MINERAL FIBER	1/2	NONE	
DOMESTIC COLD WATER	INDOOR ABOVEGROUND	1 1/4 AND LARGER	MINERAL FIBER	1	NONE	
DOMESTIC HOT WATER	INDOOR ABOVEGROUND	1 1/4 AND SMALLER	MINERAL FIBER	1	NONE	

PLUMBING PIPING AND VALVE SCHEDULE

GENERAL NOTES:
 1. SCHEDULE BELOW IDENTIFIES BASIC MATERIAL REQUIREMENTS, REFERENCE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 2. ALL MATERIALS AND INSTALLATION SHALL MEET LOCAL CODE REQUIREMENTS.
 3. FOLLOW ALL MANUFACTURERS REQUIREMENTS FOR INSTALLATION.
 4. COORDINATE ALL UTILITY INVERT ELEVATIONS WITH CIVIL UTILITY PIPING, VERIFY INVERTS PRIOR TO PIPING INSTALLATION.
 5. DETECTABLE WARNING TAPE SHALL BE INSTALLED OVER ALL OUTDOOR UTILITY PIPING.
 6. DETECTABLE WARNING TAPE SHALL BE INSTALLED OVER ALL OUTDOOR UTILITY PIPING.
 7. UNLESS NOTED BELOW OR IN SPECIFICATIONS TO BE OTHERWISE, BALL VALVES SHALL BE TWO PIECE FULL PORT BRONZE BALL VALVE WITH BRONZE TRIM, PTFE OR TFE SEALS, AND CHROME PLATED BRASS BALL.
 8. UNLESS NOTED BELOW OR IN SPECIFICATIONS TO BE OTHERWISE, BUTTERFLY VALVE SHALL BE IRON LINED BUTTERFLY VALVE WITH EPDM SEAT, STAINLESS STEEL STEM, AND ALUMINUM BRONZE DISC.
 9. ALL PIPING SHALL BE INSTALLED AT SLOPES REQUIRED PER SPECIFICATIONS AND/OR NOTES ON DRAWINGS, BUT IN NO CASE LESS THAN CODE REQUIREMENTS.

SYSTEM	LOCATION	SIZE INCHES	PIPE MATERIAL	FITTING / JOINT TYPE	SHUT/OFF VALVE TYPE	CHECK VALVE TYPE	NOTES
DOMESTIC WATER	INDOOR ABOVEGROUND	2 AND SMALLER	TYPE L COPPER	SOLDERED	BRONZE BALL	BRONZE SWING CHECK	
DOMESTIC WATER	INDOOR ABOVEGROUND	2 1/2 AND LARGER	TYPE L COPPER	SOLDERED	IRON BUTTERFLY	IRON CENTER GUIDED CHECK	
DOMESTIC WATER	OUTDOOR ABOVEGROUND	2 1/2 AND LARGER	TYPE L COPPER	BRASSED	-	-	
RO WATER	INDOOR ABOVEGROUND	1 AND SMALLER	PEX	PLASTIC INSERT AND COPPER OR STAINLESS CRAMP RING	PLASTIC BALL	-	NO COPPER, BRASS OR PVC SHALL BE UTILIZED ON RO SYSTEM
SAWYER WASTE AND VENT	UNDERGROUND	ALL SIZES	SOLID WALL PVC DWV	SOLVENT WELD	-	-	
SAWYER WASTE AND VENT	ABOVEGROUND	2	SOLID WALL PVC DWV	SOLVENT WELD	-	-	
SAWYER WASTE AND VENT	ABOVEGROUND	3 AND LARGER	SOLID WALL PVC DWV	SOLVENT WELD	-	-	
GENERAL SERVICE COMPRESSED AIR	ABOVEGROUND	2 AND SMALLER	SCHEDULE 40 BLACK STEEL	THREADED	BRONZE BALL	BRONZE LIFT CHECK	
COMPRESSED AIR	ABOVEGROUND	ALL SIZES	TYPE M COPPER	SOLDERED	BRONZE BALL	-	

BACKFLOW PREVENTER SCHEDULE

GENERAL NOTES:
 1. SCHEDULE BELOW IDENTIFIES BASIC MATERIAL REQUIREMENTS, REFERENCE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 2. ALL MATERIALS AND INSTALLATION SHALL MEET LOCAL CODE REQUIREMENTS.
 3. VERIFY SIZES OF ALL IRRIGATION BACKFLOW PREVENTERS WITH IRRIGATION CONTRACTOR.
 4. FLOW AND PRESSURE DROP LISTED IS FOR 15 FEET HEAD SECOND.
 5. WHEN USED FOR FIRE SUPPRESSION PURPOSES, BACKFLOW PREVENTER SHALL BE ULFM LISTED WITH ONE HALF INCH VALVE AND 1/2 INCH PORTING.
 6. SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCT INDICATED OR A COMPARABLE PRODUCT BY ONE OF THE FOLLOWING:

EQUIPMENT TAG	ITEM	LOCATION	SYSTEM	TYPE	FLOW GPM	HEAD LOSS FEET	MANUFACTURER	MODEL	DESCRIPTION
DBP-1	DCBP-2	MECH 123	DOW	DOUBLE CHECK	78	6	2	WATTS	LFD07QT
DBP-2	DCBP-4	MECH 123	ROW	DOUBLE CHECK	300	4	4	WATTS	75NRS
RBP-1	RBP-0-75	MECH 123	HEATED PRESSURE	REDUCED PRESSURE	12	13	34	WATTS	LFD09QT

DOMESTIC EXPANSION TANK SCHEDULE

GENERAL NOTES:
 1. APPLICABLE SPECIFICATION AND SUBMITTAL SECTION IS 22 11 19 - DOMESTIC WATER PIPING SPECIALTIES.
 2. ALL MATERIALS AND INSTALLATION SHALL MEET LOCAL CODE REQUIREMENTS.
 3. VERIFY SIZES OF ALL IRRIGATION BACKFLOW PREVENTERS WITH IRRIGATION CONTRACTOR.
 4. FLOW AND PRESSURE DROP LISTED IS FOR 15 FEET HEAD SECOND.
 5. WHEN USED FOR FIRE SUPPRESSION PURPOSES, BACKFLOW PREVENTER SHALL BE ULFM LISTED WITH ONE HALF INCH VALVE AND 1/2 INCH PORTING.
 6. SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCT INDICATED OR A COMPARABLE PRODUCT BY ONE OF THE FOLLOWING:

ITEM	TANK VOLUME GAL	ACCEPTANCE VOLUME GAL	CONNECTION SIZE INCHES	MANUFACTURER	MODEL
DET-2	2.1	0.9	3/4	AUTHTOL	ST-5C

PLUMBING FIXTURE SCHEDULE

GENERAL NOTES:
 1. APPLICABLE SPECIFICATION AND SUBMITTAL SECTION IS 22 40 00 SERIES SPECIFICATIONS.
 2. REFERENCE ARCHITECTURAL SHEETS FOR MOUNTING HEIGHT INFORMATION IF NOT INDICATED. MOUNT AT CODE REQUIRED OR MANUFACTURERS RECOMMENDED HEIGHTS.
 3. PROVIDE TUBS AND SHOWER PANES FOR ALL WATER CLOSETS, URINALS, LAVATORIES, AND OTHER TOILETS AS REQUIRED FOR PROPER INSTALLATION. COORDINATE TOILET CLOSURES WITH WALL TYPES AND THICKNESSES.
 4. ALL TRAPS, TALLETTES AND SIMILAR COMPONENTS SHALL BE CONSTRUCTED OF 1/2 GAUGE CHROME PLATED BRASS.
 5. THE WASTE AND WATER PIPING SHALL BE INSTALLED ON ALL EXPOSED WALLS OR CEILING. PROVIDE 2 INCH INSULATION KIT OR APPROVED EQUAL. PROVIDE ALL REQUIRED ACCESSORIES.
 6. 1/2 INCH VENT AND 1/2 INCH WASTE ARE GENERIC IDENTIFIERS AND MAY STAND FOR AIR, AV, CAV, RCV, SCV, TV, 1/2 INCH VENT, 1/2 INCH WASTE, ETC. SEE PLAN FOR SYSTEM TYPE CONNECTIONS.
 7. FIRE RATED WALLS ARE THE MINIMUM BRANCH SIZES REQUIRED TO THE FIXTURES. SEE PLANS FOR LARGER SIZES WHERE APPLICABLE.
 8. MOUNT TRAP LEVER OF ALL ADA FIXTURES ON ACCESSIBLE SIDE.
 9. CONTRACTOR TO VERIFY RIGHT/LEFT HAND CONFIGURATION OF ALL FIXTURES.

ITEM	TYPE	MANUFACTURER	MODEL	DESCRIPTION	TRIM AND ACCESSORIES	W INCHES	V INCHES	GM INCHES	HP INCHES
WC-2K	WATER CLOSURE - ADA WALL HANG WALL MOUNTED 1/2 FLUSH VALVE MECHANICAL OVERVIEW	AMERICAN STANDARD	AFWALL 3351 001	ADA WALL HANG ELONGATED TOP FLUSH SPHON JET WHITE EVERCLEAN VITREOUS CHINA TOILET, 1.600 MPSP, 3.101 281 GPF	PROVIDE SLOAN ROVAL OPTIMA 111-10-ES-1-T10, 1.0 GPF POLISHED CHROME WALL MOUNTED HANDED SENIOR FLUSH VALVE WITH THE MECHANICAL OVERVIEW BUTTON AND 1/2 INCH VENT. PROVIDE BRASS 1/2 INCH VENT. PROVIDE BRASS 1/2 INCH VENT. PROVIDE BRASS 1/2 INCH VENT. PROVIDE BRASS 1/2 INCH VENT.	4	2	11.02	-
UR-2D	URINAL - ADA SPHON JET WALL MOUNTED 1/2 FLUSH VALVE MECHANICAL OVERVIEW	AMERICAN STANDARD	TRMROR608 011 011	ADA SPHON JET TOP FLUSH WHITE VITREOUS CHINA URINAL, 1.0 GPF	PROVIDE SLOAN ROVAL OPTIMA 186-10-ES-1-T10, 1.0 GPF POLISHED CHROME WALL MOUNTED HANDED SENIOR FLUSH VALVE WITH THE MECHANICAL OVERVIEW BUTTON AND 1/2 INCH VENT. PROVIDE BRASS 1/2 INCH VENT. PROVIDE BRASS 1/2 INCH VENT. PROVIDE BRASS 1/2 INCH VENT.	2	2	34	-
L-7D	LAVATORY - ADA WALL HANG SINGLE HEAD HANDED SENIOR 1.5 GPM SINGLE TEMP	AMERICAN STANDARD	LUCERNE 098 412	ADA WALL HANG WHITE VITREOUS CHINA LAVATORY WITH CENTER FACILITY HOLE ONLY	CHICAGO FAUCET 114-101-81 1.5 GPM HANDED SENIOR CHROME SINGLE TEMP FACET WITH 13-1/4 INCH ASSE 1075 THERMOSTATIC MIXING VALVE, PROVIDE 24 290.01, 1.50V17V TRANSFORMER FOR 120V TO 24V. PROVIDE BRASS 1/2 INCH VENT. PROVIDE BRASS 1/2 INCH VENT. PROVIDE BRASS 1/2 INCH VENT.	2	2	10.2	10.2
S-3	SINK - CRISP IN TWO COMPARTMENT STAINLESS	ELKAY	LUSTERTONE 05331	NO. 18 37A197 1/2" 18 GAUGE 304 STAINLESS STEEL TWO COMPARTMENT SINK WITH THREE HOLES ON 4" CENTERS	PROVIDE CHICAGO FAUCET 201-4EIS-377A-KRCP, 1.5 GPM LEVER HANDLE IF CENTER CERAMIC CARTRIDGE POLISHED CHROME 1/2" APC FACET. PROVIDE ELKAY 1/4 INCH STRAINER WITH 1/4 INCH VENT. PROVIDE BRASS 1/2 INCH VENT. PROVIDE BRASS 1/2 INCH VENT. PROVIDE BRASS 1/2 INCH VENT.	2	2	12	10.2
S-11	SINK - SQUALLY TWO COMPARTMENT STAINLESS	JUST	NFSB-248-112	1/2" CERTIFIED TWO 24"X24"1/2" COMPARTMENT 14 GAUGE 304 STAINLESS STEEL SINK WITH 12" BACKSPLASH AND 2 FACET HOLES 8" CENTER	PROVIDE CHICAGO FAUCET 240-LD-200A-2Z, 2.2 GPM LEVER HANDLE SWING SPOUT 1/2" FACET. PROVIDE ELKAY 1/4 INCH STRAINER WITH 1/4 INCH VENT. PROVIDE BRASS 1/2 INCH VENT. PROVIDE BRASS 1/2 INCH VENT.	2	2	12	10.2
SH-1	SHOWER HEAD - PRECAST	FRY	TB900	31"X24"X12" MOLDED MOP BATH	PROVIDE ROMA SERVICE FACET, 800-CR-MOP-HANGER, 800-BA-HOSE AND BRACKET. PROVIDE ROMA SERVICE FACET, 800-CR-MOP-HANGER, 800-BA-HOSE AND BRACKET.	34	34	-	-
EH-1	EMERGENCY SHOWER AND EYE WASH	BRADLEY	S1914	ADA COMPLIANT DRENCH SHOWER AND EYEFACE WASH WITH PLASTIC COVER AND 1/2 INCH VENT. PROVIDE BRASS 1/2 INCH VENT. PROVIDE BRASS 1/2 INCH VENT.	PROVIDE NAVIGATOR 510-120 EMERGENCY THERMOSTATIC MIXING VALVE, INSTALL IN 1/2 INCH VENT. PROVIDE BRASS 1/2 INCH VENT. PROVIDE BRASS 1/2 INCH VENT.	2	2	1	1
WH-1	WALL HYDRANT - EXPOSED	WOODFORD	67	CHROME PLATED AUTOMATIC DRAWING FIREZLESS WALL HYDRANT WITH DOUBLE CHECK BACKFLOW PREVENTER, 1/2 INCH VENT.	PROVIDE INDEL MODEL 50A, DOUBLE CHECK BACKFLOW PREVENTER, VERIFY WALL WITH DOUBLE CHECK BACKFLOW PREVENTER, 1/2 INCH VENT.	-	-	34	-
LCH-1	LARGE CAPACITY HYDRANT	WOODFORD	L000W	FREEZE PROOF UTILITY HYDRANT 2" BRASS VALVE INLET BODY 2" GALVANIZED OUTLET BODY AND CABIN, OVA, METAL WHEEL HANDLE	HYDRANT SHALL BE ORDERED AS A NON-STANDARD CUSTOM LENGTH AS REQUIRED TO ACCOMMODATE EXTERIOR WALL THICKNESS. PROVIDE BRASS 1/2 INCH VENT. PROVIDE BRASS 1/2 INCH VENT.	-	-	2"	-
KB-1	KEY MAKER BOX - NON RATED	IPS CORPORATION	WATER TITE MODEL DV2000HA	PVC KEY MAKER BOX WITH QUARTER TURN TURN VALVE WATER HAMMER RESISTANT	PROVIDE OPEN FACER/PLATE AND STABILIZER BRASS. PROVIDE EXTRA DEEP FACER/PLATE WHEN USED IN 1/2 INCH VENT.	-	-	10.2	-
EW-4	ELECTRIC WATER COOLER WITH BOTTLE FILLER - ADA LEVEL WALL MOUNT	ELKAY	L2517BWSK	ADA STAINLESS STEEL WALL MOUNTED 80-LEVEL 6.0 GPM ELECTRIC WATER COOLER AND BOTTLE FILLER WITH STAINLESS STEEL CABINET, PUSHBAR ACTIVATION, AND FLEXIBLE SQUEEZE BUBBLER, 1/2 INCH VENT.	PROVIDE WALL CARRIER MOUNTING PLATE. PROVIDE BRASS 1/2 INCH VENT. PROVIDE BRASS 1/2 INCH VENT. PROVIDE BRASS 1/2 INCH VENT.	2	2	10.2	-
ROF-1	ROF FILLER FACET	CHICAGO	S15-2039WAB	WALL MOUNTED SINKS, HOLES, ROF AND KETTLE FILLER, 3/8" VENT	CHROME PLATED FINISH, 1/2" CENTER TO CENTER, PROVIDE CERAMIC DISC CARTRIDGE ON THE PRIMARY AND SECONDARY VALVE.	-	-	10.2	-
RO-1	REVERSE OSMOSIS AND FILTER SYSTEM	MEM-PURE	LPS-225	WALL HANG TDS/CAMPAIGN REVERSE OSMOSIS AND FILTER SYSTEM, 225 GPD, 1/2 INCH VENT, 1/2 INCH VENT	PROVIDE DKA-2A DIGITAL ALUMINE TDS DUAL METER FOR UPS RO. FLEXWAVE SRS120-120 GAL CAPACITY RO STORAGE TANK. PROVIDE ALUMINE TDS METER KIT RFD10-110-120. PROVIDE 1/2 INCH VENT. PROVIDE BRASS 1/2 INCH VENT. PROVIDE BRASS 1/2 INCH VENT.	-	-	38	-

THERMOSTATIC MIXING VALVE SCHEDULE

GENERAL NOTES:
 1. APPLICABLE SPECIFICATION AND SUBMITTAL SECTION IS 22 11 19 - DOMESTIC WATER PIPING SPECIALTIES.
 2. USE PLUMBING FIXTURE SCHEDULE FOR INDIVIDUAL FIXTURES. COORDINATE TOILET CLOSURES WITH WALL TYPES AND THICKNESSES.
 3. PIPE SIZES GIVEN ARE INLET AND OUTLET SIZES. SEE PLANS FOR PIPE SIZES TO VALVES.
 4. CLEARDRIPS SHALL BE SAME SIZE AS PIPE SIZES UP TO 1/2 INCH. USE 1/2 INCH FOR LARGER PIPING UNLESS NOTED OTHERWISE.
 5. FOOT TOPS SHALL BE COORDINATED WITH FLOORING MATERIALS. REFERENCE ARCHITECTURAL SHEETS.
 6. SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCT INDICATED OR A COMPARABLE PRODUCT BY ONE OF THE FOLLOWING:

ITEM	TYPE	MANUFACTURER	MODEL	DESCRIPTION						
TM-1A	MECH 123	DOM HW	0.5	15	20	1	1	POWERS	LPLM82	1/2" INCH THERMOSTATIC MIXING VALVE WITH UNION CONNECTIONS AND INTEGRAL CHECK/STOP.

DOMESTIC WATER CIRCULATION PUMP SCHEDULE

GENERAL NOTES:
 1. APPLICABLE SPECIFICATION AND SUBMITTAL SECTION IS 22 11 23.21 - IN-LINE DOMESTIC WATER PUMPS.
 2. CONTROL BY THERMOSTAT. PROVIDE TACO MODEL 365-02A, T18E8 AND 86-2 AQUASTAT.

EQUIPMENT TAG	LOCATION	SYSTEM	FLOW GPM	HEAD FT	CONNECTION SIZE INCHES	HP	VOLTS	PHASE	HZ	MANUFACTURER	MODEL	DESCRIPTION
HW-C1	MECH 123	DOM HW	6	5	3/4	1/40	120	1	60	TACO	063	STAINLESS STEEL CARTRIDGE CIRCULATOR WITH UNION CONNECTIONS

CLEANOUT SCHEDULE

GENERAL NOTES:
 1. APPLICABLE SPECIFICATION AND SUBMITTAL SECTION IS 22 11 19 - SANITARY WASTE PIPING SPECIALTIES.
 2. USE PLANS AND ISOMETRICS FOR ALL WASTE AND VENT SIZES AND SYSTEM TYPE CONNECTIONS.
 3. CLEANOUTS SHALL BE INSTALLED TO MEET ALL CODE REQUIREMENTS IN ADDITION TO THOSE SHOWN ON PLANS.
 4. CLEANOUTS SHALL BE SAME SIZE AS PIPE SIZES UP TO 1/2 INCH. USE 1/2 INCH FOR LARGER PIPING UNLESS NOTED OTHERWISE.
 5. FOOT TOPS SHALL BE COORDINATED WITH FLOORING MATERIALS. REFERENCE ARCHITECTURAL SHEETS.
 6. SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCT INDICATED OR A COMPARABLE PRODUCT

