



M Squared Architects, P.A.

ADDENDUM #1
Saline Area Technical
Industrial Maintenance & Automation Building
Project Number 23-014

DATE: October 2, 2023

NOTICE TO BIDDERS:

- A. The following changes, additions, and/or deletions are hereby made a part of the Construction Documents for the above noted project, fully and completely as if the same were fully contained therein. All other terms, conditions, and specifications of the original Invitation to Bid remain unchanged.
- B. Proposers are hereby notified that they shall make any necessary adjustments in their estimate on account of this Addendum. It will be construed that each Proposer's proposal is submitted with full knowledge of all modifications and supplemental data specified therein. Acknowledge receipt of this addendum in the space provided on the proposal form. Failure to do so may subject Proposer to disqualification.

PROJECT MANUAL:

ADD 1-1: Add 0102650 to table of contents – Operable Partitions.

ADD 1-2: Change section 083300 – Security Grills to Rolling Service Doors

ADD 1-3: Add Section 083613 – Sectional Overhead Doors.

ADD 1-4: Division 4 should read Division 4 – Masonry

ADD 1-5: Add Division 12 – 0126110 – Auditorium Tables

DRAWINGS:

CIVIL:

ADD 1-6: Gas line connection is to main gas line on south side of Derussy Road. See Sheet 02 for location of existing gas line.

ARCHITECTURAL:

ADD 1-7: Provide Deluxe Black out Roller Shades to windows type #4 for the auditorium – 3 total.

Blinds.com – Color Corondo midnight – 006

Light Filtering Roller Shades - Classrooms – window #5 –(4 Total) – Color Splendor Charcoal SP07.

ADD 1-8: Sheet A104: Door Schedule and elevation revisions.

ADD 1-9: Sheet A404 – Restrooms will be Ceramic tile per finish Schedule - Daltile - Emergent - Metallic Look - Aluminum EM32 - 12x24

ADD 1-10: AS100 – All Parking areas to have #4 rebar reinforcing @ 16" o.c. each way.
Sidewalks to receive WWF 6x6-10/10 reinforcing.

ADD 1-11: Sheet A101 – The sheet is deleted from the project.

ADD 1-12: A200 – Exterior Metal Panels, MBCI - Battenlok HS Roof Panel – 24 ga. PBU Panel – 26 Ga, Masterline 16 – 24 ga. – All Vertical Panels to be attached to 7/8" Hat Channel at 3'-0" o.c. vertical attached to metal studs. See ASD2 for Details.

Soffit Panels – Pac-Clad – 032 Alum. – 12" Flush/Reveal Soffit – Narrow Vent - 2 Pencil Ribs – Shop Building Area, Stair Tower and Front entry soffits.

Interior Linear Panel – Remove 29 ga panel and add MBCI – PBD Panel 26 Gage – Color White – Install Horizontal on Walls, also for Interior Roof Panel

Roof Venting – Design Components, Inc – Low Profile Floating Ridge Vent. 100' Long for Shop. Stair Tower – 5'-0" – Front Entry – 10'-0"

ADD 1-13: A100 – Partition Schedule Add – See ASD-1 dated 9.29.23

ADD 1-14: A101 – Window Locations - #6 – South Side of Stair Tower, #8 - Mezzanine Office 130, #9 – East Side of Stair Tower, #10 – East side of High Corridor Wall, #13 – Change to H.M. Frame – Shop offices.
Provide Expansion Joint Cover at edge of Bridge.

ADD 1-15: A401 – Cabinets in Auditorium same finish and Style as Warming Kitchen. Wood Cabinet, Stain. Shaker Style.

ADD 1-16: A404 – Add LVT to Stair landing w/ 90° Rubber Edge.

STRUCTURAL:

ADD 1-17: Sheet S001 #5. Requirements for the AISC plant certification may be waived provided the fabricator provides 3rd party special inspection of the pieces fabricated prior to delivery to the project site. Inspections may be conducted in accordance with the delivery sequence and schedule of the fabricator. Refer to the project specifications for special inspection requirements. This exception does not remove the requirement for onsite special inspections.

ADD 1-18: Light Gage Trusses – Empire Wall Systems asked to change the pitch or add the heel of the truss to make the long span trusses work. An add of 2'-0" to the heel was approved to make the truss work. Empire was going to verify that this would correct the truss to make the required span.

ATTACHMENTS:

ASD-1 – Dated 9.29.23

ASD -2 Dated 9.29.23

A101 – Dated Addendum #1 10.2.23

A103 – Dated Addendum #1 10.2.23

A104 - Dated Addendum #1 10.2.23

A302 - Dated Addendum #1 10.2.23

A401 - Dated Addendum #1 10.2.23

Spec Section 0123110 – Auditorium Tables

Spec Section 083613 – Sectional Overhead Doors

AISC Spec section Revision Request – Reviewed 9.21.23

END OF ADDENDUM NUMBER 1



09/29/2023

Project - Maintenance &
Automation Building
Address 1

Drawing:
Schedule

Date:
09-29-23

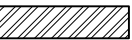
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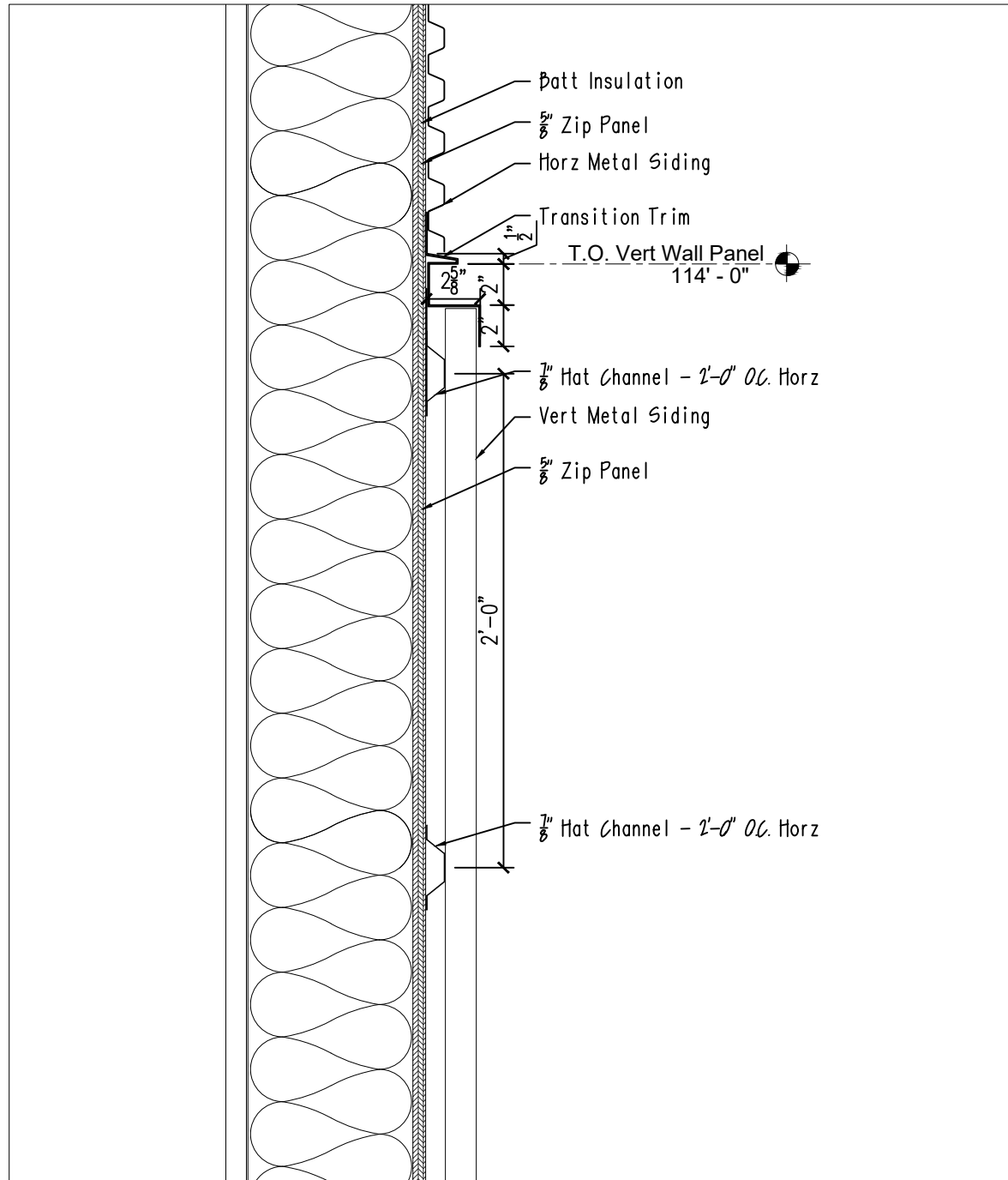
SHEET NUMBER:

ASD1

DRAWN BY: Mike

WALL TYPES

- 1 →  ← 1 $\frac{5}{8}$ " x $\frac{3}{8}$ " Metal Studs @ 16" o.c. w/ $\frac{5}{8}$ " Drywall
each side - Sound Batt Insulation. Extend to Hard Ceiling.
- 2 →  ← 6" Metal Studs @ 16" o.c. w/ $\frac{5}{8}$ " Drywall
Both sides w/ $\frac{5}{2}$ " Fiberglass Insulation. Extend to
bottom on Roof Deck.
- 3 →  ← 8" Metal Studs @ 16" o.c. w/ $\frac{5}{8}$ " Drywall
Both sides w/ $\frac{7}{2}$ " Fiberglass Insulation. Extend to
bottom on Roof Deck.
- 4 →  ← 8" Split Face Block - 6'-0" Tall w/ 2" Cast Stone Cap



B2 WALL SECTION DETAIL
1-1/2" = 1'-0"

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Salina Tech - Industrial Maintenance &
Automation Building
Salina, KS 67401

Drawing:
Wall Section

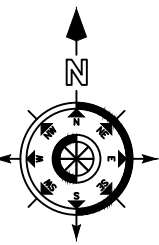
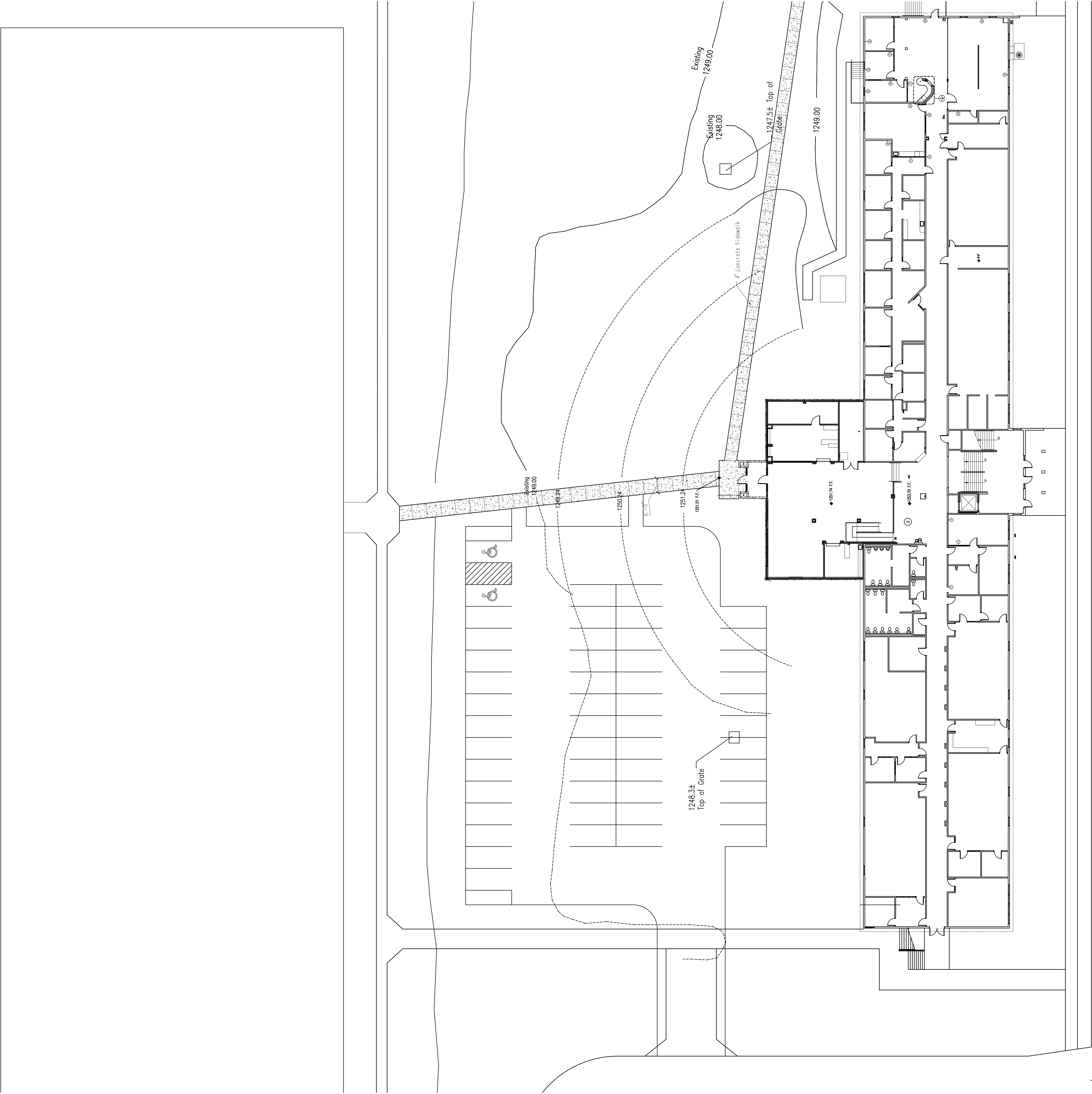
Date:
09-29-23

Project Number:
####

SHEET NUMBER:

ASD2

DRAWN BY: Mike



Revisions:

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Salina Area Tech -
Industrial Maintenance & Automation Building
Salina, Kansas

Drawing:
Site Plan

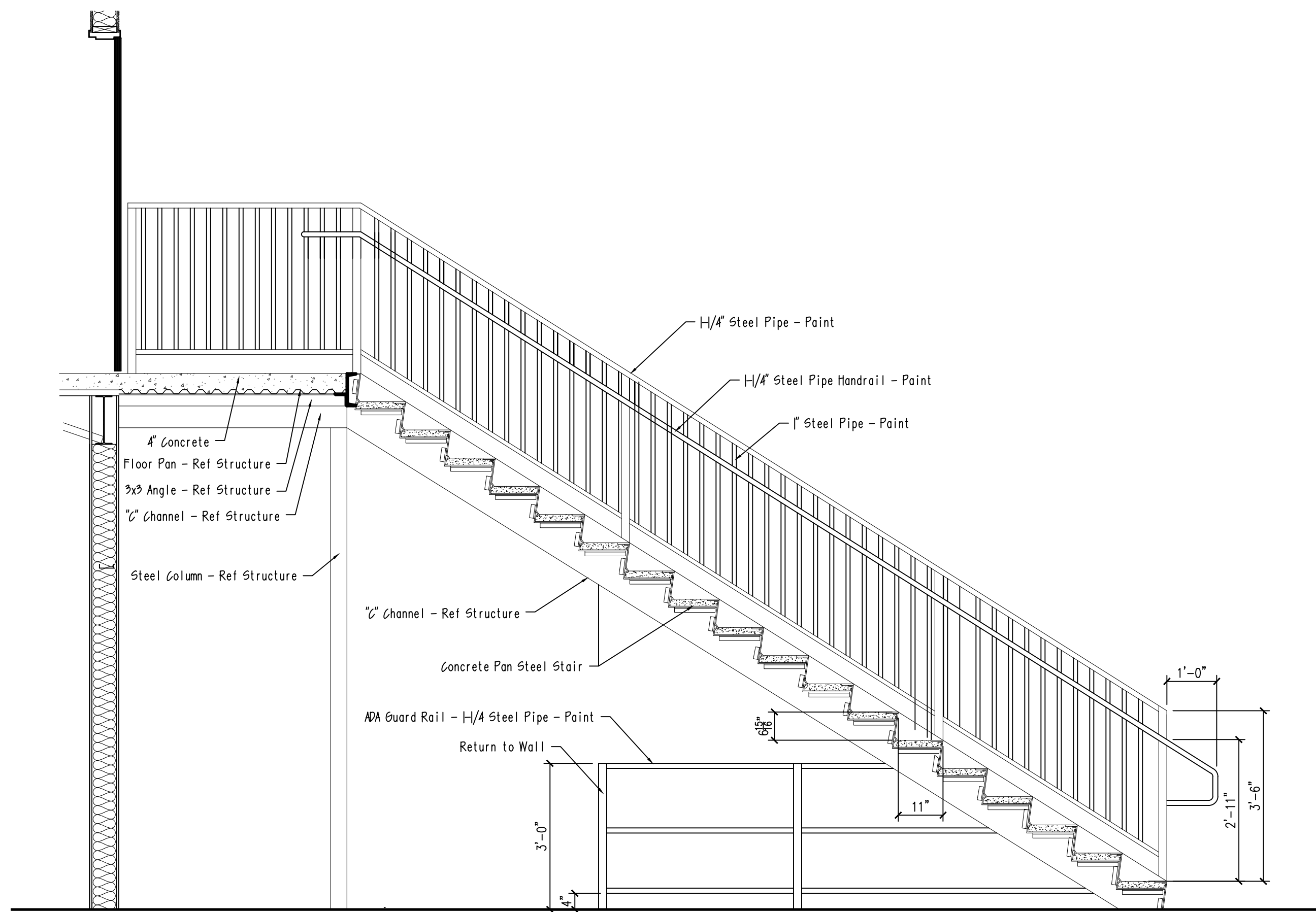
Date:
09-08-23

Project Number:
23-014

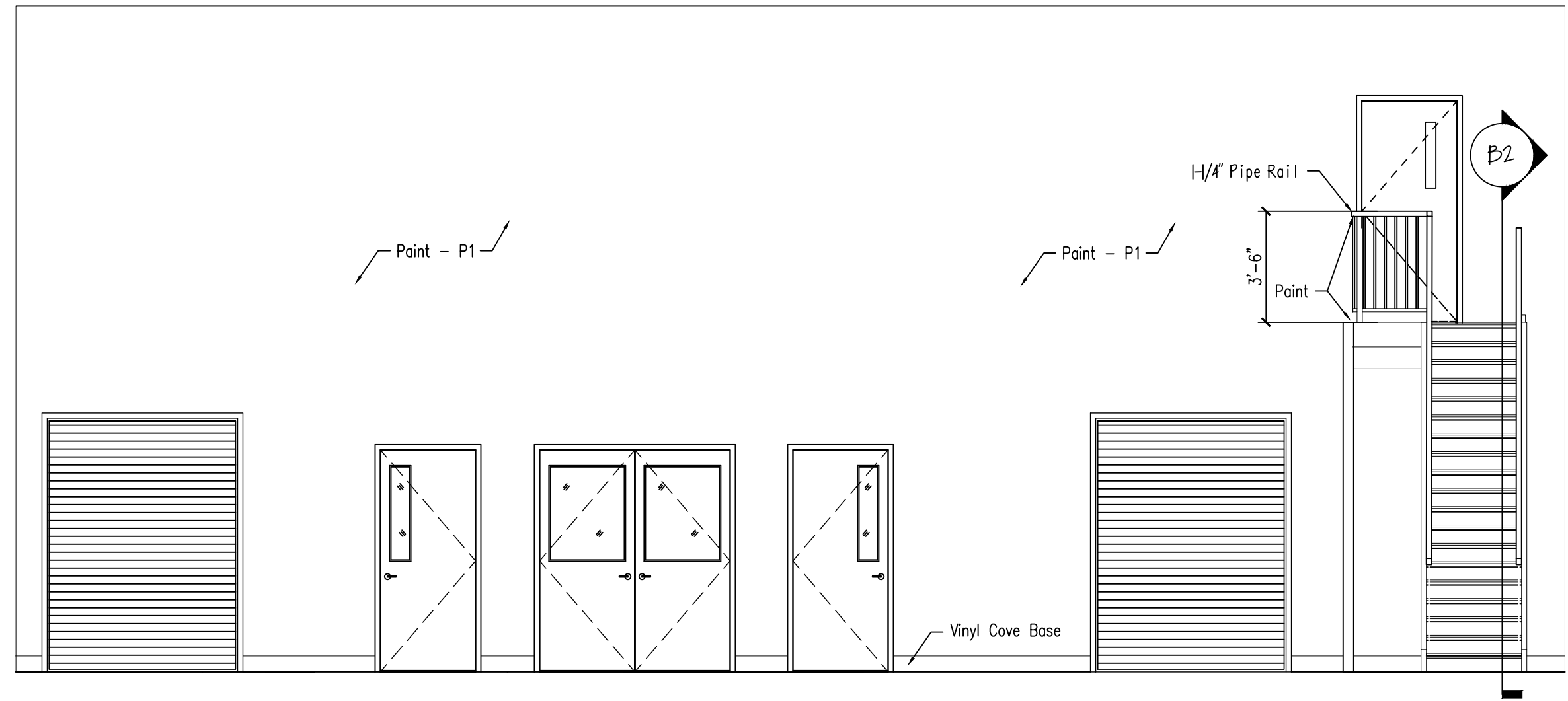
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AS101

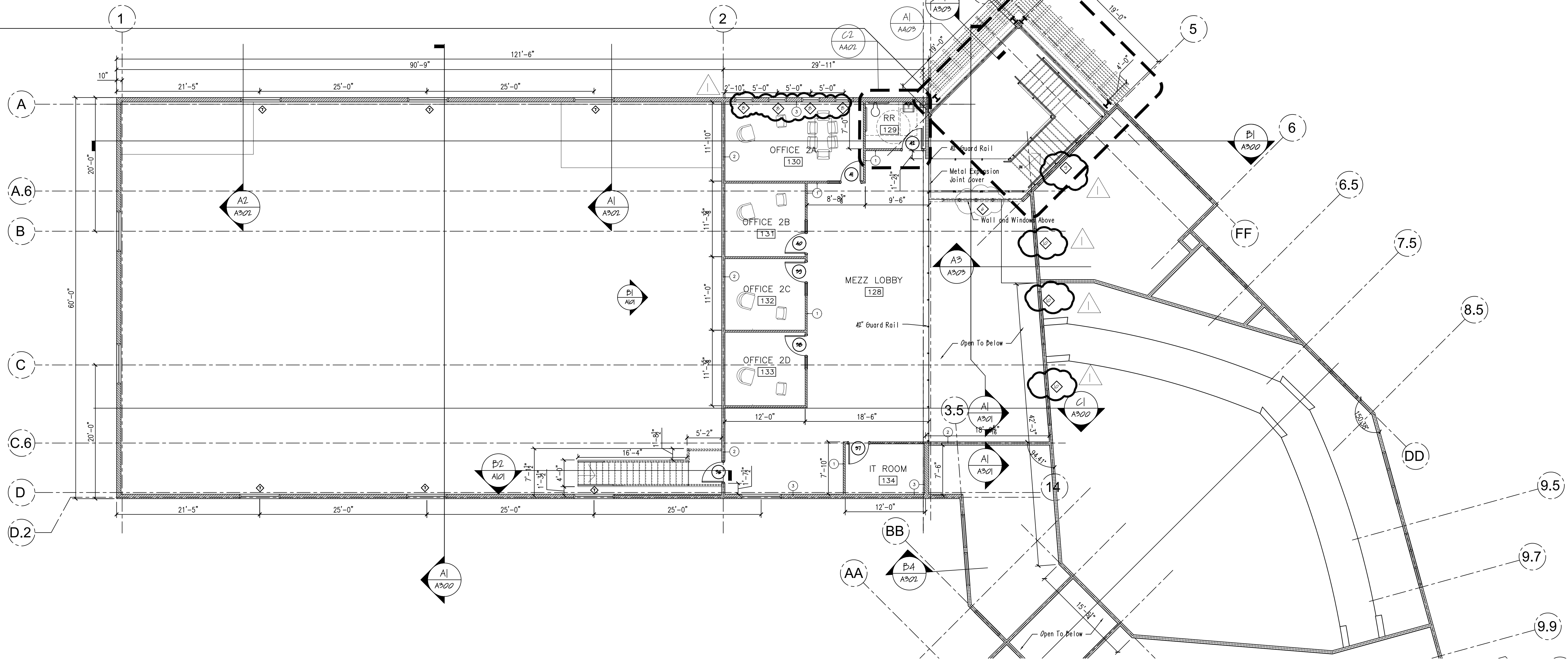
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B2 SHOP EAST WALL ELEVATION
1/4" = 1'-0"



P1 SHOP EAST WALL ELEVATION
1/4" = 1'-0"

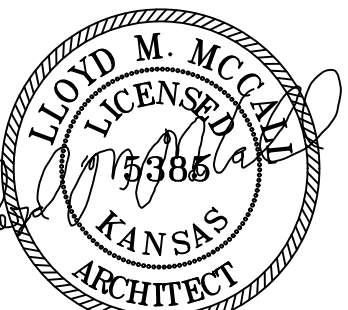


A1 MEZZANINE PLAN
1/8" = 1'-0"

Revisions:
Addendum # 10/01/23

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Salina Area Tech -
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Salina, Kansas

Drawing:
Mezzanine Plan

Date:
09-08-23

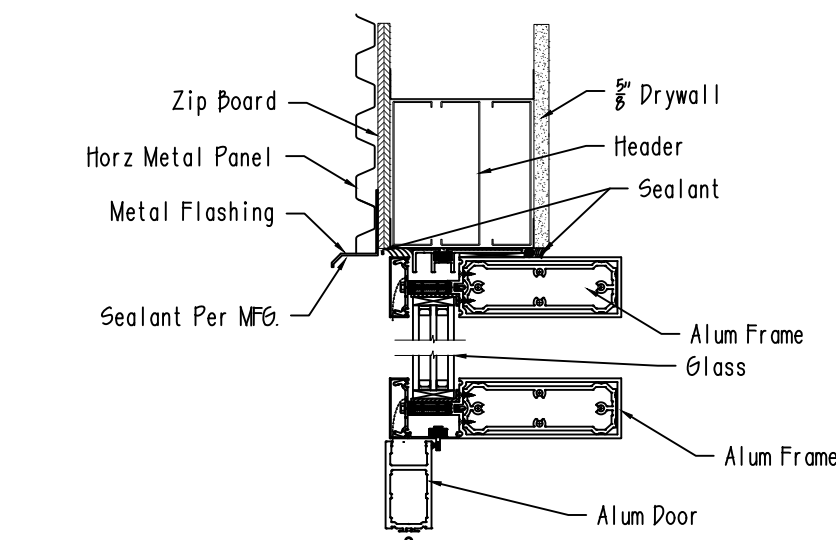
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23-014

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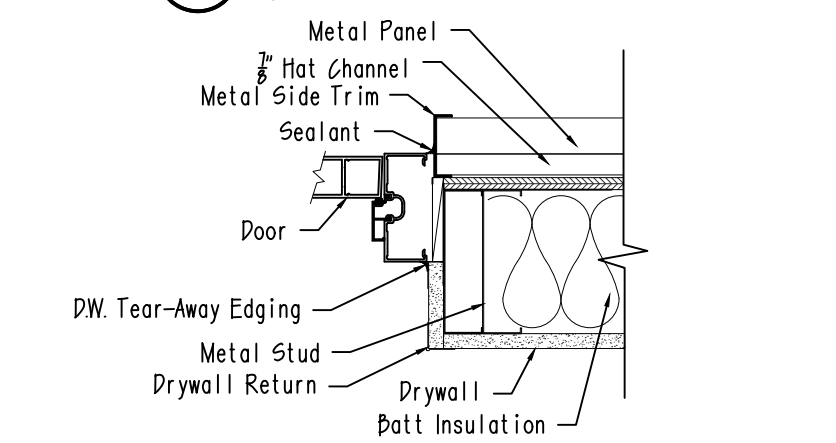
A101

DRAWN BY: Mic

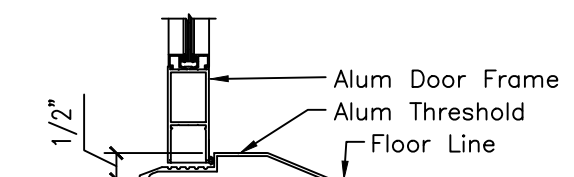




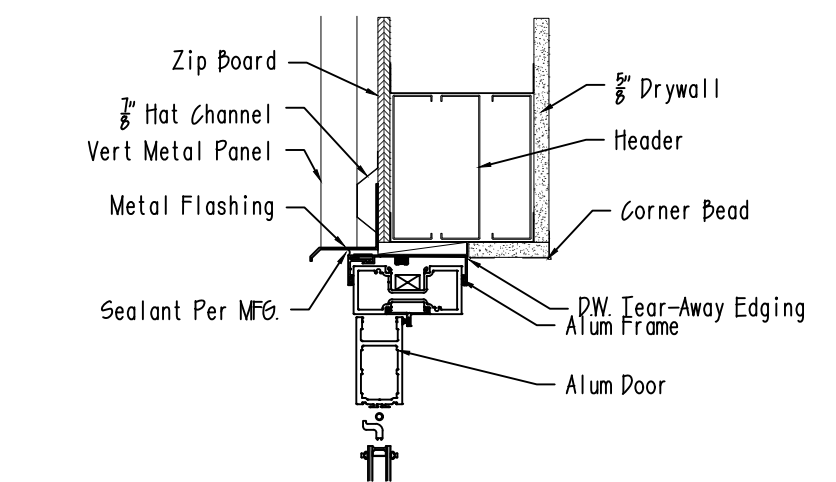
1 Alum Door Head Detail
H/2 = F-0



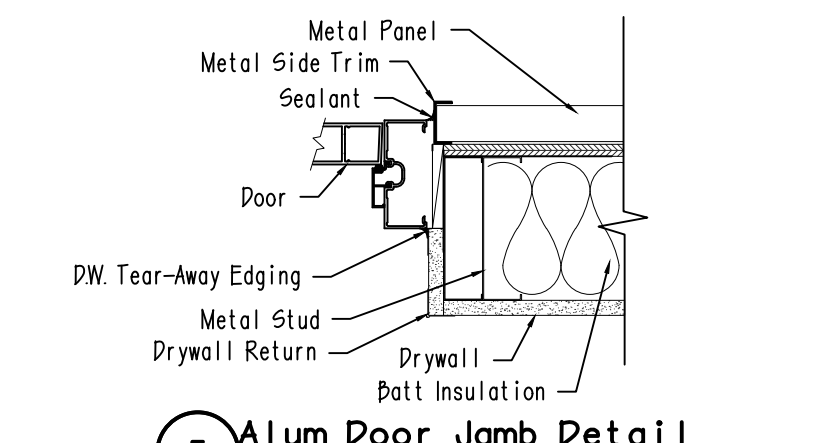
2 Alum Door Jamb Detail
H/2 = F-0



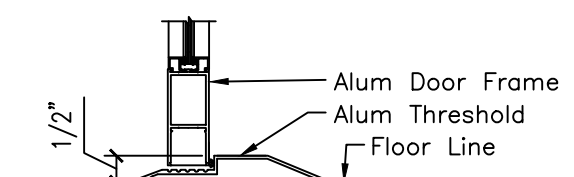
3 Alum Door Sill Detail
H/2 = F-0



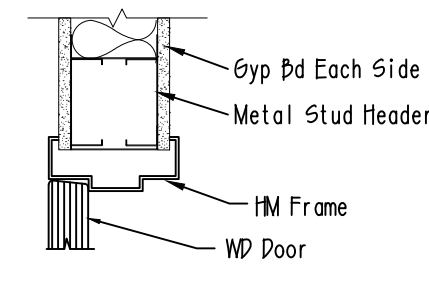
4 Alum Door Head Detail
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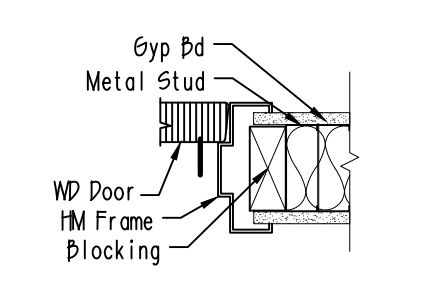
5 Alum Door Jamb Detail
H/2 = F-0



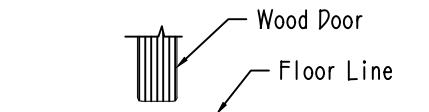
6 Alum Door Sill Detail
H/2 = F-0



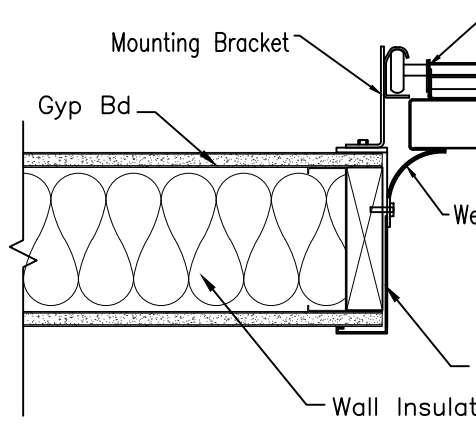
7 INTERIOR DOOR HEAD
H/2 = F-0



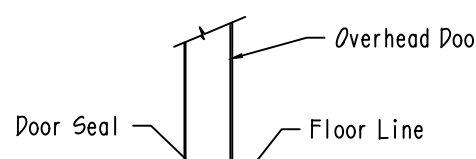
8 INTERIOR DOOR JAMB
H/2 = F-0



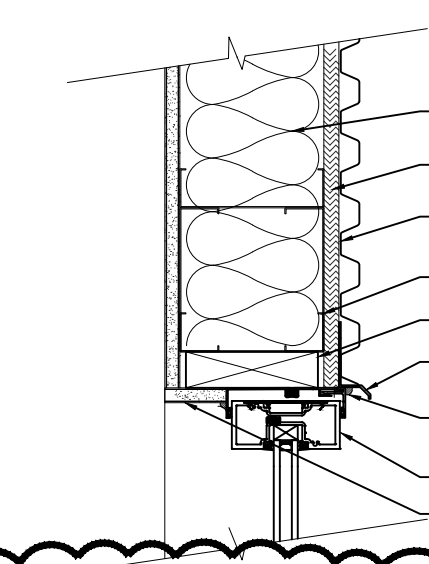
9 INTERIOR DOOR SILL
H/2 = F-0



10 OVERHEAD DOOR JAMB
H/2 = F-0

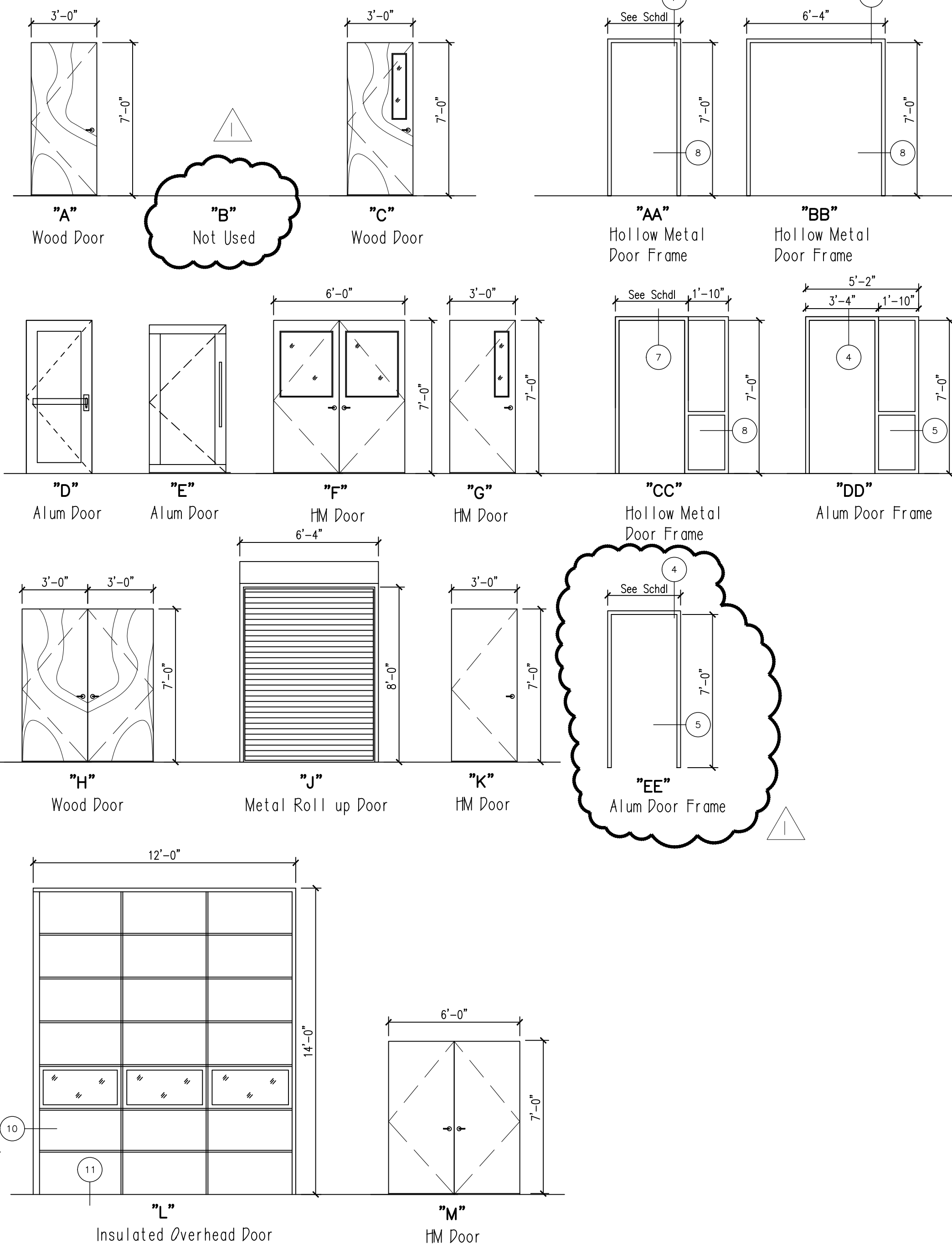


11 OVERHEAD DOOR SILL
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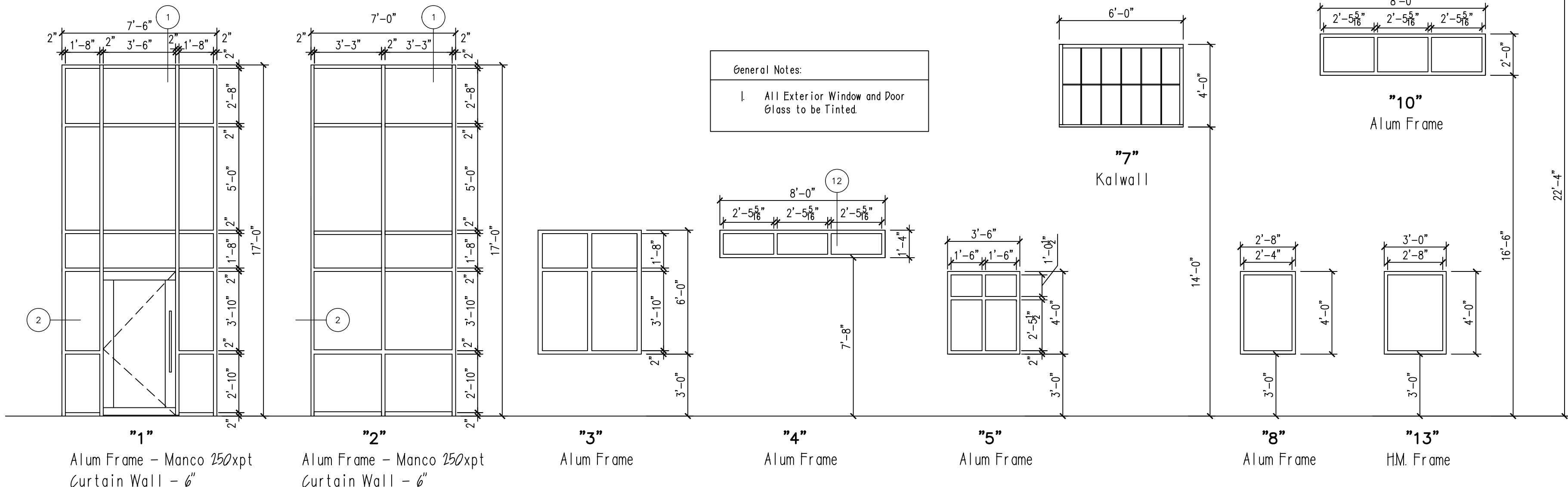


12 ALUM WINDOW HEAD DETAIL
H/2 = F-0

DOOR TYPES



FRAME TYPES



WINDOW TYPES

General Notes:
1 All Exterior Window and Door Glass to be Tinted.

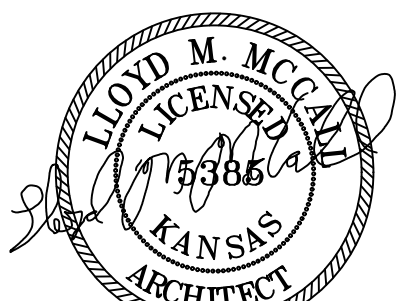
DOOR AND FRAME SCHEDULE

MARK	SIZE			MATL	GLAZING	Door Elev	FRAME		FIRE RATING LABEL	Remarks
	WD	HGT	THK				MATL	EL		
1	3'-6"	7'-0"	1 3/4"	ALUM	TEMP	E	ALUM	01	--	ADA Opener
2	3'-6"	7'-0"	1 3/4"	ALUM	TEMP	E	ALUM	01	--	ADA Opener
3	3'-0"	7'-0"	1 3/4"	WD	TEMP	C	HM	AA	--	--
4	3'-0"	7'-0"	1 3/4"	WD	TEMP	C	HM	AA	--	--
5	3'-0"	7'-0"	1 3/4"	WD	TEMP	C	HM	CC	--	--
6	3'-0"	7'-0"	1 3/4"	WD	TEMP	C	HM	AA	--	--
7	3'-0"	7'-0"	1 3/4"	WD	TEMP	C	HM	AA	--	--
8	3'-0"	7'-0"	1 3/4"	ALUM	TEMP	D	ALUM	DD	--	--
9	3'-0"	7'-0"	1 3/4"	WD	TEMP	C	HM	CC	--	--
10	3'-0"	7'-0"	1 3/4"	WD	TEMP	C	HM	CC	--	--
11	3'-0"	7'-0"	1 3/4"	WD	TEMP	C	HM	CC	--	--
12	3'-0"	7'-0"	1 3/4"	WD	TEMP	C	HM	CC	--	--
13	3'-0"	7'-0"	1 3/4"	WD	--	A	HM	AA	--	--
14	3'-0"	7'-0"	1 3/4"	WD	--	A	HM	AA	--	--
15	3'-0"	7'-0"	1 3/4"	WD	--	A	HM	AA	--	--
16	3'-0"	7'-0"	1 3/4"	WD	--	A	HM	AA	--	--
17	3'-6"	7'-0"	1 3/4"	WD	--	A	HM	AA	--	--
18	6'-0"	7'-0"	1 3/8"	WD	--	H	HM	DD	--	--
19	3'-6"	7'-0"	1 3/4"	WD	--	A	HM	AA	--	--
20	3'-0"	7'-0"	1 3/4"	WD	--	A	HM	AA	--	--
21	3'-0"	7'-0"	1 3/4"	WD	--	A	HM	AA	--	--
22	3'-6"	7'-0"	1 3/4"	ALUM	TEMP	E	ALUM	12	--	ADA Opener
23	3'-0"	7'-0"	1 3/4"	WD	TEMP	C	HM	AA	--	--
24	3'-0"	7'-0"	1 3/4"	WD	TEMP	C	HM	AA	--	--
25	3'-0"	7'-0"	1 3/4"	HM	TEMP	G	HM	AA	--	--
26	6'-0"	7'-0"	1 3/4"	HM	TEMP	F	HM	BB	--	--
27	3'-0"	7'-0"	1 3/4"	HM	TEMP	G	HM	AA	--	--
28	6'-0"	8'-0"	1"	STEEL	--	J	STEEL	--	--	--
29	6'-0"	8'-0"	1"	STEEL	--	J	STEEL	--	--	--
30	3'-0"	7'-0"	1 3/4"	WD	TEMP	C	HM	AA	--	--
31	3'-0"	7'-0"	1 3/4"	WD	TEMP	C	HM	AA	--	--
32	6'-0"	8'-0"	1 3/4"	HM	--	M	HM	BB	60 MIN	--
33	3'-0"	8'-0"	1 3/4"	HM	--	K	HM	AA	--	--
34	12'-0"	14'-0"	1 3/4"	STEEL	TEMP	L	STEEL	--	--	--
35	3'-0"	8'-0"	1 3/4"	ALUM	TEMP	D	ALUM	EE	--	--
36	3'-0"	7'-0"	1 3/4"	WD	--	A	HM	AA	--	--
37	3'-0"	7'-0"	1 3/4"	WD	--	A	HM	AA	--	--
38	3'-0"	7'-0"	1 3/4"	WD	TEMP	C	HM	CC	--	--
39	3'-0"	7'-0"	1 3/4"	WD	TEMP	C	HM	CC	--	--
40	3'-0"	7'-0"	1 3/4"	WD	TEMP	C	HM	CC	--	--
41	3'-0"	7'-0"	1 3/4"	WD	TEMP	C	HM	CC	--	--
42	3'-0"	7'-0"	1 3/4"	WD	--	A	HM	AA	--	--

Revisions:
Addendum # 10/21/23

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Salina Area Tech -
Industrial Maintenance & Automation Building
Salina, Kansas

Drawing:
Door Schedule
Window Schedule

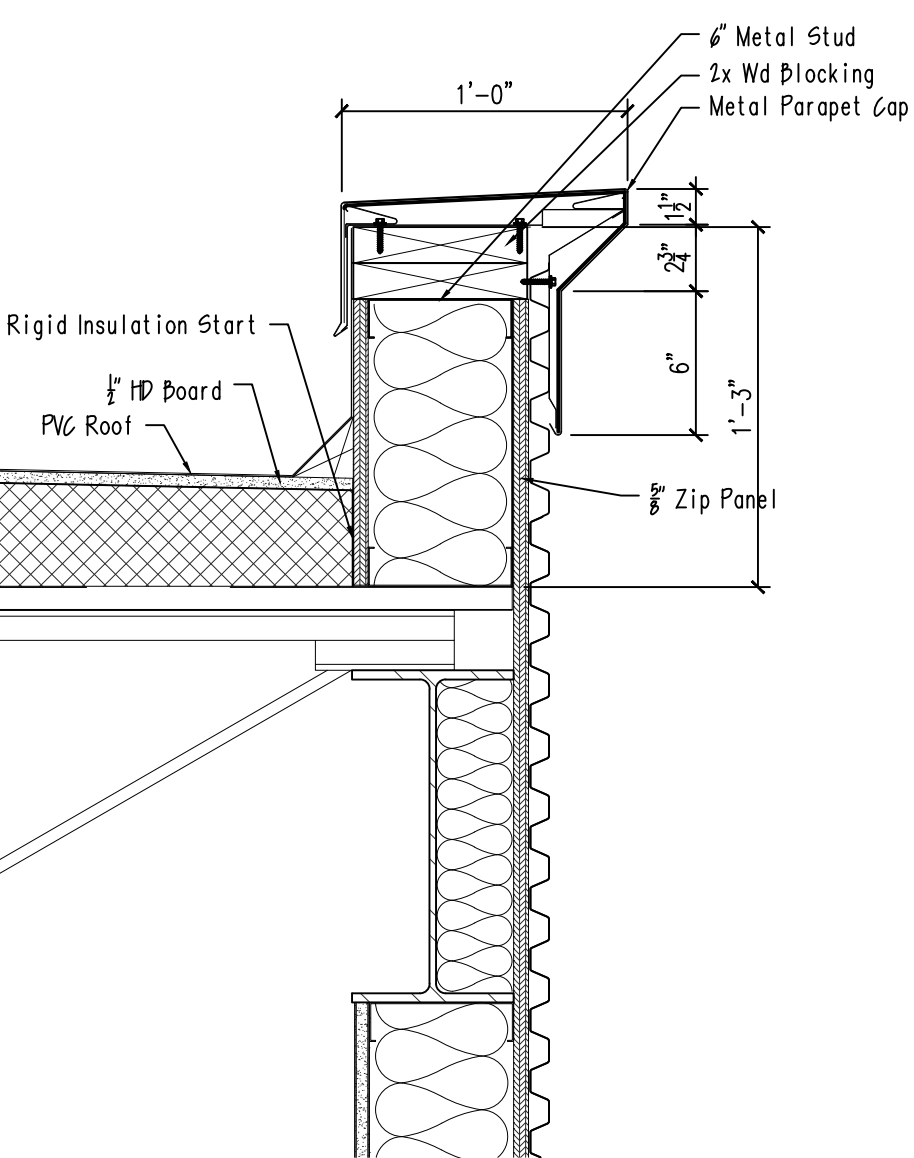
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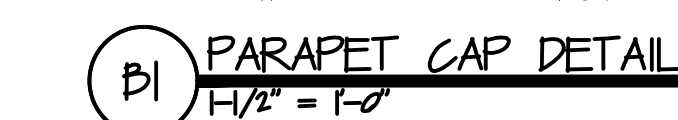
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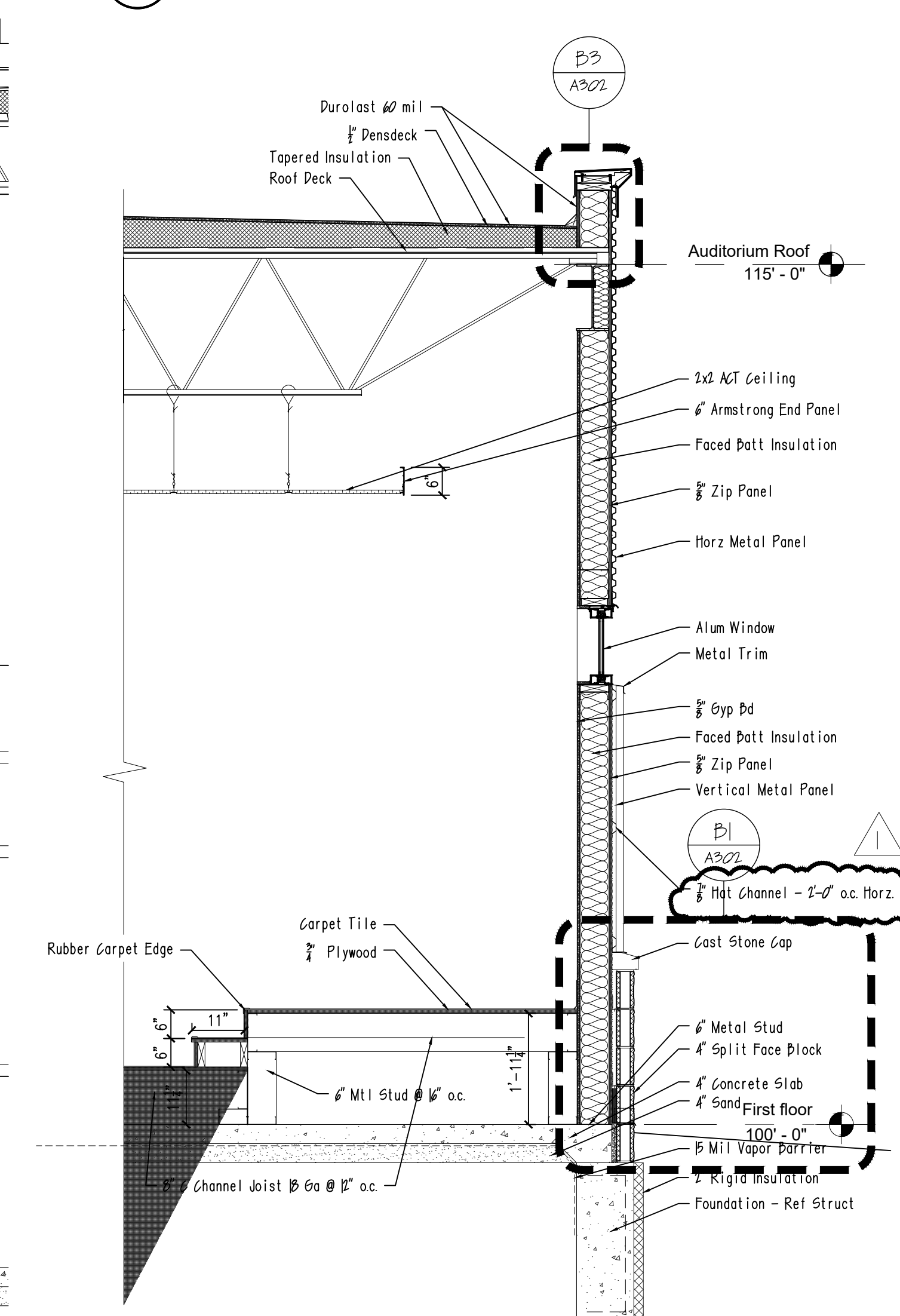
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B2 METAL PANEL TRANSITION DETAIL
H/2" = 1'-0"

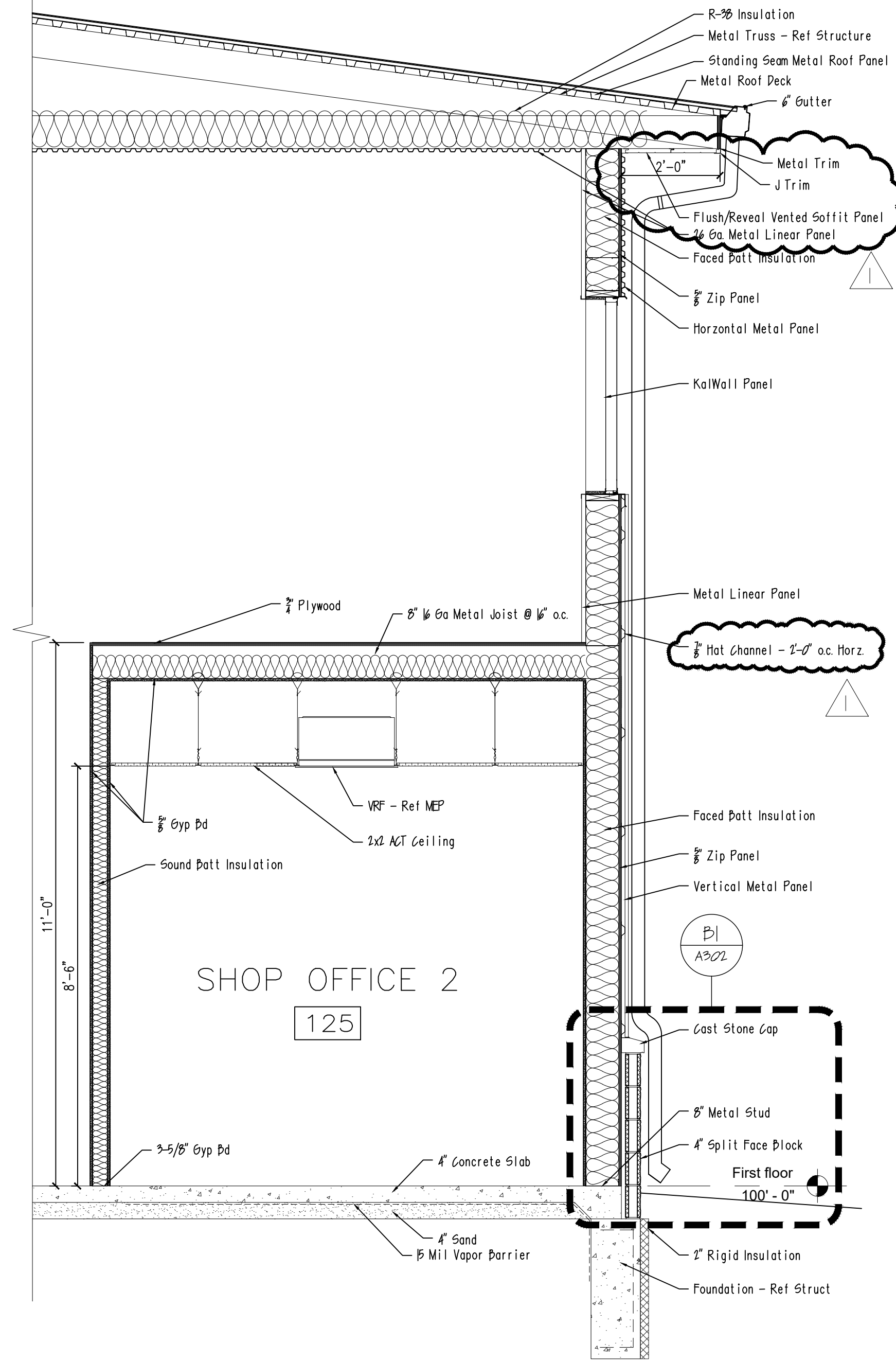


B1 PARAPET CAP DETAIL
H/2" = 1'-0"



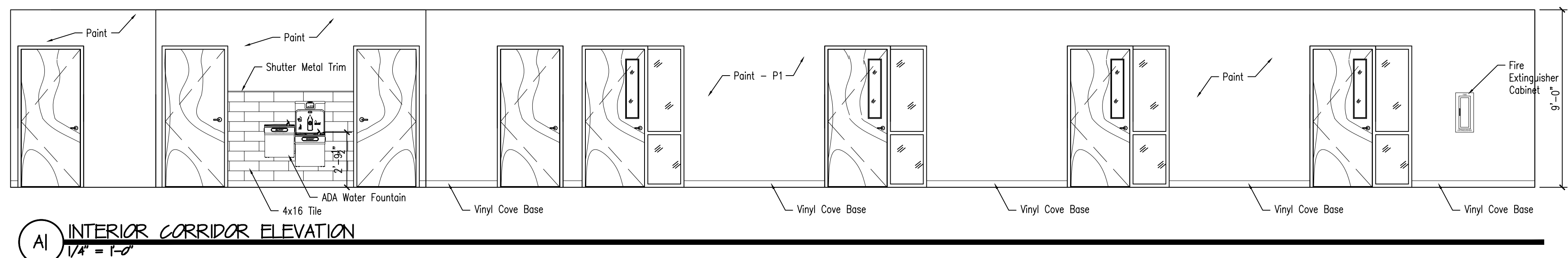
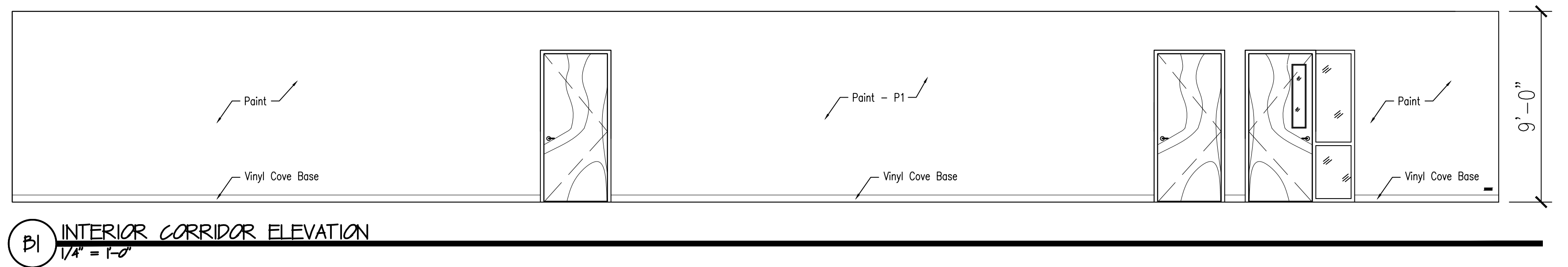
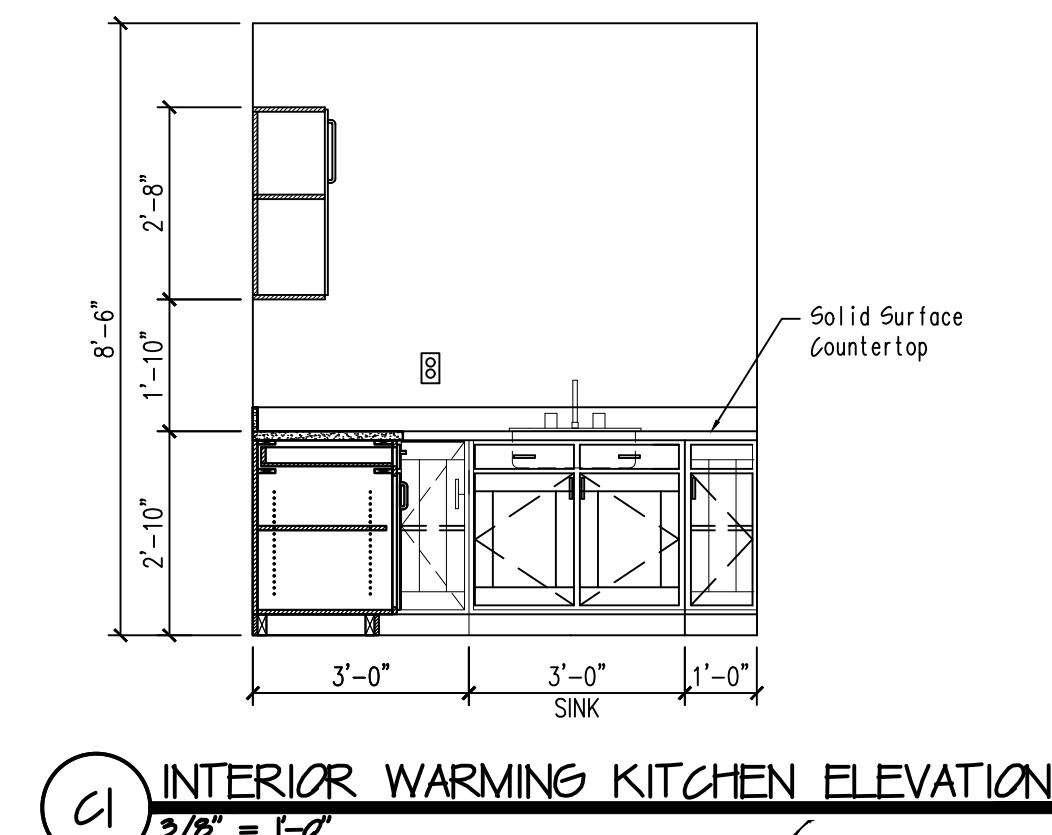
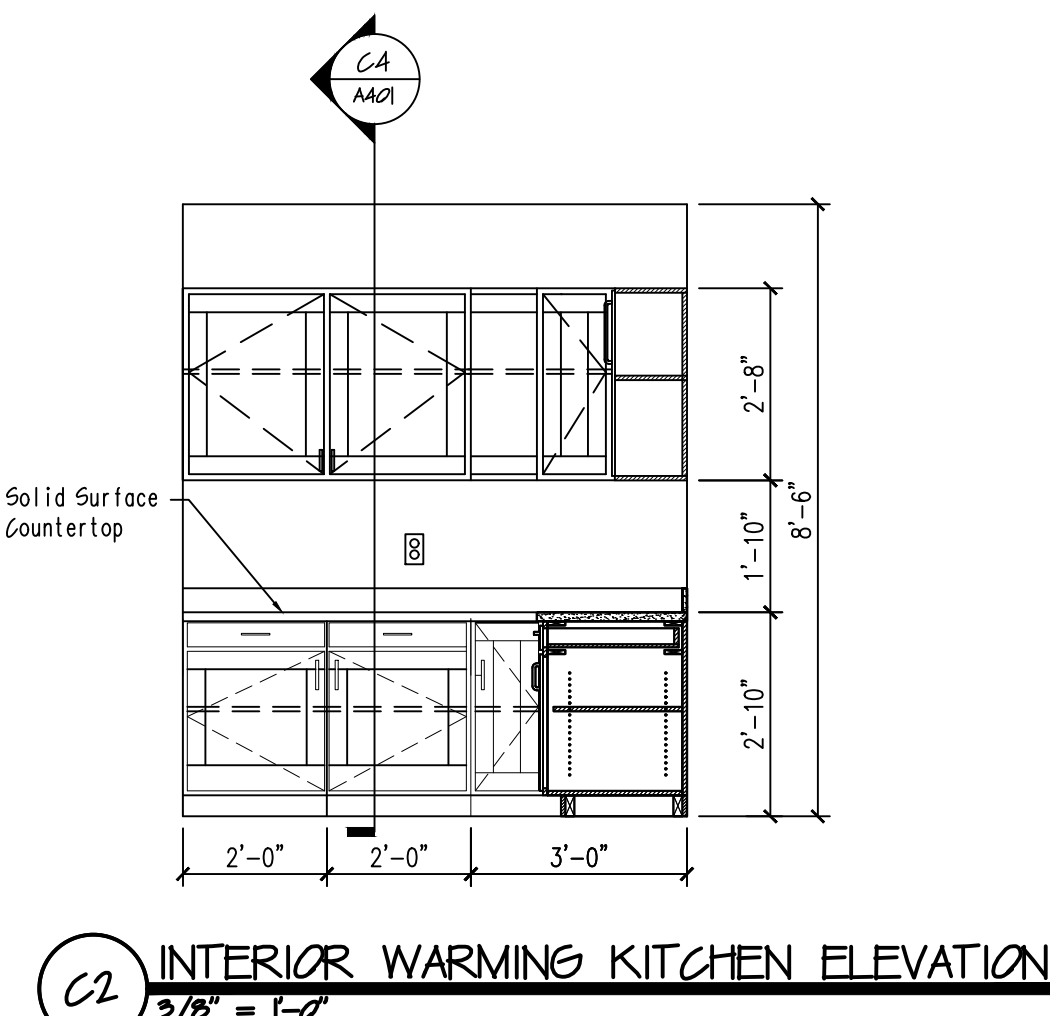
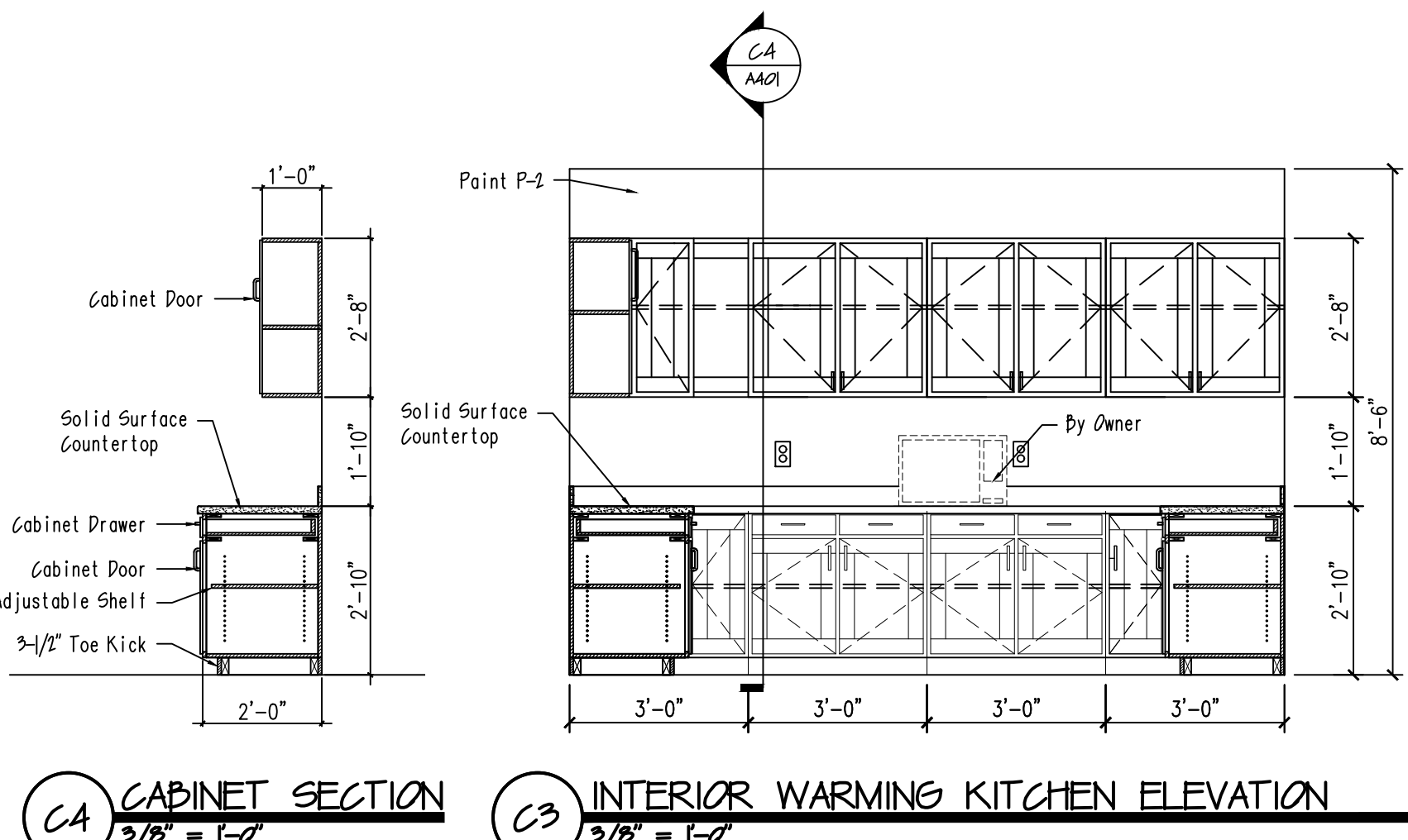
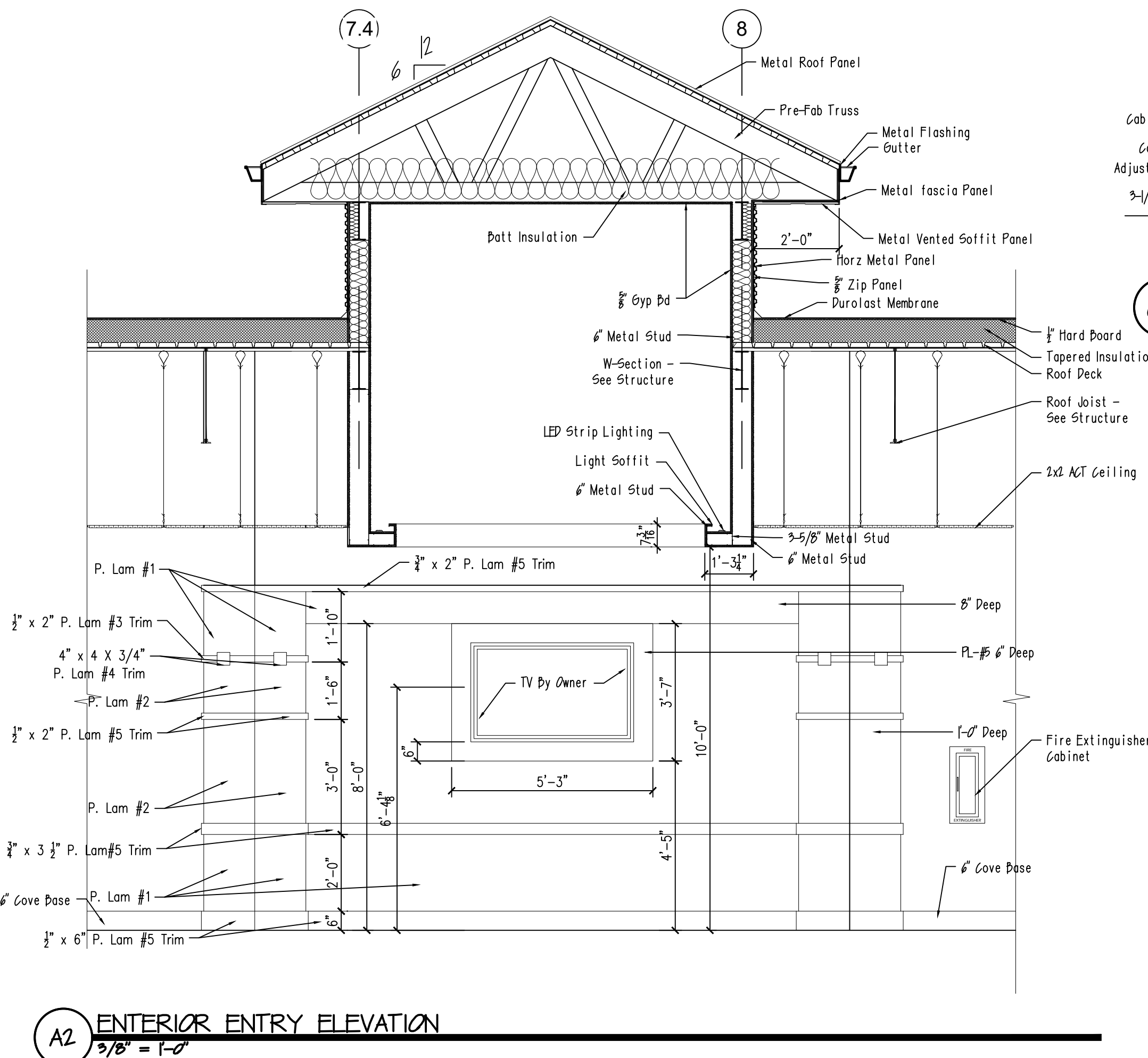
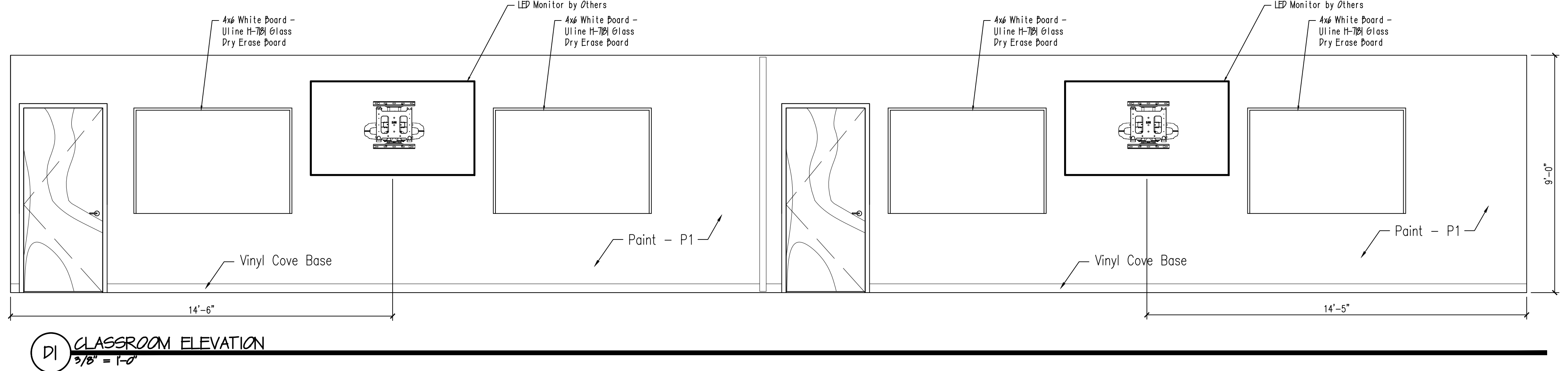
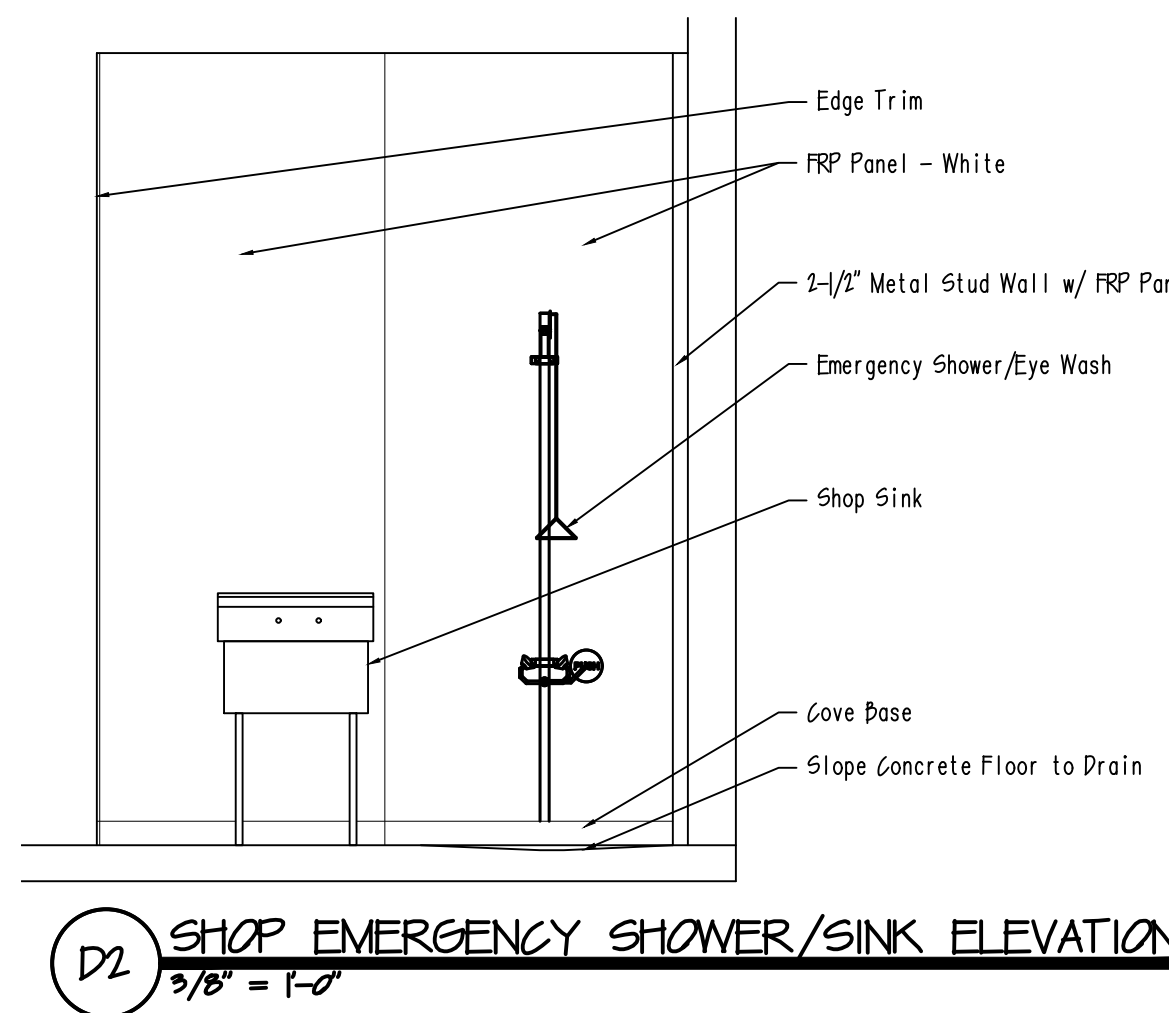
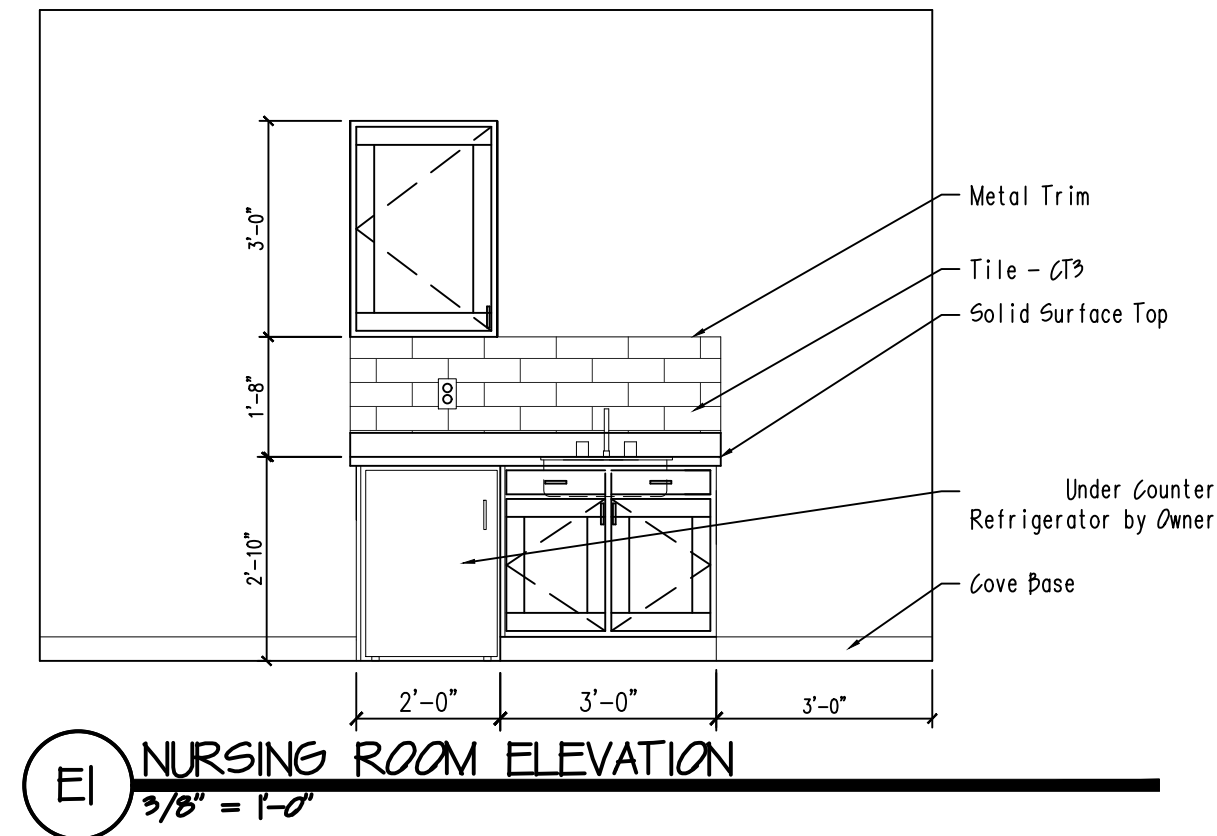
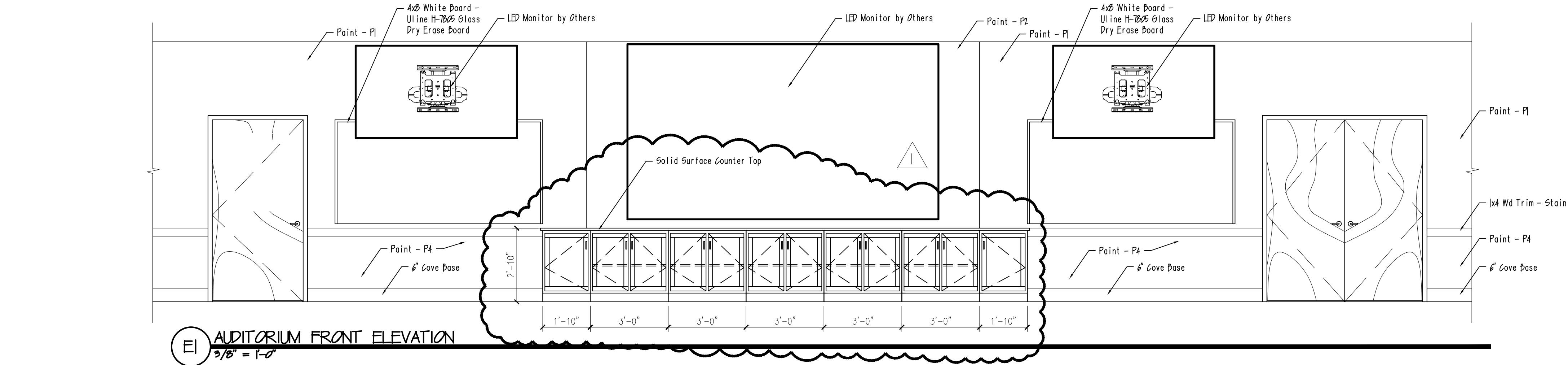
A4 WALL SECTION @ LOCKERS

A3 WALL SECTION @ AUDITORIUM



A2 WALL SECTION @ SHOP

WALL SECTION @ SHOP



Revisions:
Addendum #1 10/21/23

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KANSAS
09/08/2023

Salina Area Tech -
Industrial Maintenance & Automation Building
Salina, Kansas

Date:
09-08-23

Project Number:
23-014

SHEET NUMBER:

A401

DRAWN BY: MHC

SECTION 0126110 -Auditorium

PART 1 - GENERAL

Monolito-Symmetra

Section 1.01 SUMMARY

1. Table systems
2. Fixed Table: Symmetra System
3. Extent: Systems to be as indicated on drawings and as specified

Section 1.02 PRODUCT DESCRIPTION

1. Seat/Table Requirements:
2. Pedestal: provide table and supports providing fixed work surface with open access, supported by pedestals.
3. Power and Data Distribution System: Modular data and electrical system housed in flexible conduit. All power system components shall be UL approved, including the steel pedestal table leg used for power entry, which shall be certified as a "UL Recognized Component," and will have appropriate labeling documenting that approval.

Section 1.03 SUBMITTALS

1. General: Submit listed submittals in accordance with Contract and standard Submittals Procedures.
2. Product Data: Submit manufacturers' product data, including product specification sheets, for products specified.
3. Shop Drawings: Submit shop drawings showing seating layout, seat-numbering scheme, chair sizes and aisle widths.
4. Samples: Submit verification samples of finishes, colors and textures specified for each exposed material.
5. Quality Assurance Submittals; Submit the following:
6. Certificates: Product certificates signed by manufacturer certifying materials comply with specify performance characteristics and criteria and physical requirements.

7. Installer Qualifications: Submit certification indicating installer is qualified to install manufacturer's seating.
8. Bidder Qualifications: Submit certification, prior to drawing completion, indicating site has been inspected for any conditions that may affect the assembly or installation of products required.

Section 1.04 WARRANTY

1. Project Warranty: Refer to "Conditions of the Contract" to project warranty provisions.
2. Manufacturer's Warranty: Submit, for Owners acceptance:
3. Manufacturer's standard warranty documents executed by authorized company official. Manufacturer's warranty is in addition to, and not a limitation of, other rights Owners may have under Contract Documents.
4. Warranty period; Ten (10) year warranty on understructure and seating shells (when utilized) from defects of manufacture and workmanship, commencing on Date of Substantial Completion.
5. Warranty will be null and void if products are installed on flooring not meeting minimum structural requirements as specified by manufacturer.

Section 2.01 TABLE SYSTEM

1. Manufacturer: Navetta division of Shuttlesystem LLC or Equivalent.
2. Product: Symmetra Fixed Table System
3. Product specifications
4. Inner Pedestal Support – Construction: Pedestals shall be constructed of 11 gauge steel tubing of oval cross-section measuring 3.15" x 1.57".
5. Inner Pedestal Support Floor mount – Pedestal shall be computer-controlled welded to a .25" thick steel base plate measuring 8" x 4" with four slotted holes for mounting pedestal to floor with anchor bolts.
6. Inner Pedestal Support Base coverBase plate to be fully covered after mounting with two-piece cover constructed of injection molded toughened nylon, attached with two machine screws.
7. Inner Pedestal Support Table mount – Top mount bracket shall be constructed of 11 gauge steel with four attaching bolts allowing attachment to pedestal and adjustment for variations in floor surface to provide alignment of adjacent tabletops without shimming tops. Bracket shall provide six mounting holes for attaching table top and designed to accept optional power and/or data electrical system.

8. Inner Pedestal Support Top shroud – Top mount bracket will be covered by shroud with rounded edges constructed of injection molded ABS, attached with machine screws.
9. Outer Pedestal Support – Construction: Pedestals shall be constructed of paired extruded structural aluminum columns measuring 2.3" x 2.2", with heavy-duty .09" wall thickness and internal reinforcing ribs measuring .20" thickness.
10. Outer Pedestal Support Floor mount – Pedestal shall be rigidly mounted to a .25" thick steel base plate measuring 11.5" x 2.5" with four holes for mounting pedestal to floor with anchor bolts.
11. Outer Pedestal Support Side Cover – Floor mounting hardware and top mounting hardware to be fully concealed by two 7.0" wide aluminum extruded removable panels.
12. Outer Pedestal Support Table mount – Top mount bracket shall be constructed of .25" thick steel plate with eight attaching screws allowing attachment to pedestal columns. Bracket shall provide four mounting holes for attaching table top and designed to accept optional power and/or data electrical system.
13. Metal Finish – Steel components shall have powder-coat finish in finish specified. Aluminum components shall have anodized finish or powder-coat finish in finish specified.
14. Table Configuration – Table tops shall be designed to be assembled into continuous surface in radius configuration. Adjacent tops to be joined with two mechanical clamping fasteners. Tops shall have cutouts for tabletop power modules when specified. Manufacturer shall be FSC (Forest Stewardship Council) chain-of-custody Certified.
15. Table Top Construction – Table tops shall be nominal 1.25" thick warp-resistant construction with 1.125" particleboard center core sandwiched between .040" high pressure laminate top surface and phenolic backing surface. Assembly to be permanently bonded under continuous pressure in hot press. Color Selected from Manufacturing standard colors.
16. Table Top Edge treatment – Edges shall be finished as specified, using 3mm PVC, "T" cross-section vinyl continuous molding edging.
17. Inner Pedestal Support Table Top Attachment – Table tops to attach to pedestal brackets with six #12 lag screws.
18. Outer Pedestal Support Table Top Attachment – Table tops to attach to pedestal brackets with 4 #14 lag screws.
19. Modesty Panel Construction – Modesty panels shall be constructed of resin panel - Color to be Cranberry
20. Modesty Panel Attachment – Modesty panels shall interlock into machined recess in underside of table top surface and attach with supplied rigid metal brackets and hardware. Standard configuration provides .5" clearance between adjacent modesty panels, continuous configuration optional.

Section 3.1 MANUFACTURER'S INSTRUCTIONS

1. Comply with manufacturer's installation instructions, including bulletins, product catalog, installation instructions and product carton instructions for installation.

Section 3.2 EXAMINATION

1. Site Verification: Prior to installation verify, with installer present, that substrates and conditions comply with the requirements for construction tolerances and materials properties as they affect anchors and fasteners and location of junction boxes.
2. Repair: Do not proceed until unsatisfactory components or facility conditions have been corrected.

Section 3.3 INSTALLATION

1. Installation: Install following manufacturers printed instructions for installation and using manufacturer recommended hardware and fasteners. Tables in curbed rows shall be installed at smooth radius.
2. Repair: Repair minor abrasions and imperfections in painted surfaces with a coating that matches the factory-applied finish.

Section 3.4 CLEANING AND PROTECTION

1. Cleaning: Clean Product in accordance with manufacturer instruction prior to Owner's acceptance. Remove construction debris, including cartons from project site and legally dispose of debris.
2. Protection: Protect installed product and finished surfaces from damage during construction.

END OF SECTION 011000

RAYNOR – Sectional Overhead Doors

SECTION 08 36 13 - SECTIONAL OVERHEAD DOORS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Commercial sectional doors.
- B. Electric Operators

1.2 RELATED SECTIONS

- A. Section 05 50 00 - Metal Fabrications: Miscellaneous for steel supports.
- B. Section 06 10 00 - Rough Carpentry. Door opening jamb and head members
- C. Section 08 71 00 - Door Hardware: Hardware, locks, access panels.
- D. Section 09 90 00 - Painting: Field painting.
- E. Section 11 12 00 - Parking Control Equipment: Parking control equipment for remote door controls.
- F. Section 26 05 00 - Common Work Results for Electrical.

1.3 REFERENCES

- A. ASTM A 653/A 653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
- B. ASTM C 518 - Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus.
- C. ASTM E 283 - Standard Test Method for Determining the Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen.
- D. ANSI/DASMA 105 – American National Standard Institute Test Method for Thermal Transmittance and Air Infiltration of Garage Doors
- E. ASTM A 123 – Standard Specification for Zinc (hot-dipped galvanized) coatings on iron and steel products.
- F. ASTM A 229 - Steel wire, oil-tempered for mechanical springs.
- G. ASTM E 330 - Structural performance of exterior windows, curtain walls, and doors by uniform static air pressure difference.
- H. ASTM E 413 - Classification for Rating Sound Insulation

- I. ASTM E 90 - Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Element.
- J. ASTM A 924 - Standard Specification for General Requirements for Steel Sheet, Metallic-Coated by the Hot-Dip Process.
- K. ASTM B 221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.
- L. UL 325 - Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems Current Edition, Including All Revisions.
- M. ANSI/DASMA 108 - Standard Method for Testing Sectional Garage Doors, Rolling Doors and Flexible Doors: Determination of Structural Performance Under Uniform Static Air Pressure Difference
- N. ANSI/DASMA 102 - Specifications for Sectional Overhead-Type Doors
- O. ANSI/DASMA 115 - Standard Method for Testing Sectional Doors, Rolling Doors, and Flexible Doors: Determination of Structural Performance Under Missile Impact and Cyclic Wind Pressure
- P. FDA 21 CFR 177.1520 - Olefin polymers

1.4 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations.
 - 2. Storage and handling requirements and recommendations.
 - 3. Installation methods.
- C. Performance Standards: Provide test data validating the following:
 - 1. Door Section: Gloss retention, fade resistance, FDA compliance, cold crack performance, load to rebound, dent resistance impact.
 - 2. Drive Train: Spring cycle life, track, hinges, rollers, cable assembly, cable strength.
 - 3. Door Assembly: Thermal performance, deflection, wind load.
- D. Shop Drawings:
 - 1. Provide drawings indicating track details, head and jamb conditions, spring shafts, anchorage, accessories, finish colors, patterns and textures, operator mounts and other related information.
 - 2. Regulatory Requirements and Approvals: Provide shop drawings in compliance with local Authority having Jurisdiction (AHJ).
- E. Certifications:
 - 1. Submit manufacturer's certificate that products meet or exceed specified requirements.
 - 2. Submit installer qualifications.

- F. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.
- G. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square, representing actual product, color, and patterns.

1.5 QUALITY ASSURANCE

- A. Installer Qualifications: Utilize an authorized installer of door manufacturer who has demonstrated experience on projects of similar size and complexity.
- B. Manufacturer Qualifications: Company with a minimum of five-year experience in producing the specified type of doors.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.

1.7 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.

1.8 WARRANTY

- A. Provide manufacturer's standard warranty against defects in material and workmanship, as further described with each model in Part 2 of this Section.
- B. Raynor warrants the electrical operator and component parts for two (2) years against defects in material and workmanship when purchased as operator only.
- C. Raynor warrants the electrical operator and component parts against defects in material and workmanship for three (3) years, on the operator only, when purchased with any model of Raynor commercial sectional door.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Raynor, which is located at: 1101 East River Rd. P. O. Box 448; Dixon, IL 61021-0448; Toll Free Tel: 800-4-RAYNOR; Tel: 815-288-1431; Fax: 888-598-4790; Email: architectsupport@raynor.com; Web: www.raynor.com
- B. Substitutions: Not permitted.
- C. Requests for substitutions will be considered in accordance with provisions of Section 01600.

2.2 SECTIONAL RAIL AND STYLE ALUMINUM DOORS

- A. **AlumaView AV200 as manufactured by Raynor Garage Doors:**

1. Doors:
 - a. Operation:
 - 1) Provide doors designed for electric motor operation.
 - b. Jamb Construction:
 - 1) Steel jambs with self-tapping fasteners.
 - 2) Wood jambs with lag screw fasteners.
 - c. Structural Performance Requirements:
 - 1) Wind Loads: 13.3 psf design load/ 20 psf test load standard
 - 2) Wind Loads: Uniform pressure of: _____ psf.
 - d. International Energy Conservation Code (IECC) Requirements:
 - 1) Air Infiltration: Maximum air leakage of 0.4 cfm/ft² is required. Testing shall be performed in accordance with DASMA 105 test procedure.
 - 2) AV200 with IG Low E Glass has a Tested U-Factor of 0.72.
 - 3) Raynor AV200 provide an air leakage rating of 0.24 cfm/ft² with optional IECC Compliance Package.
2. Sections:
 - a. **AlumaView AV200:**
 - 1) Material: 2 inches (51 mm) thick, 6063-T6 aluminum alloy stiles and rails joined together with 5/16 inch (8 mm) diameter screws. Aluminum panels 0.050 inch (1.3 mm) thick or glazing (when specified) fill the spaces between stiles and rails. Combined dimension of two adjoining intermediate meeting rails 3-13/16 inches (97 mm). Bottom rail height 5-1/4 inches (133 mm). Top rail height 5-1/4 inches (133 mm). End stiles 3-3/8 inches (86 mm) or 6-1/2 inches (165 mm) wide as determined by overall door width. Center stiles 3-5/8 inches (92 mm) wide.
 - 2) Optional Insulation: ThermaXPS extruded polystyrene provides an R-value of 4.31 when combined with double endstiles and 1/2 inch (13 mm) insulated Low-E Glass.
 - 3) Finish: Aluminum frame extrusions and filler panels finish coated.
 - a) Color:
 - b) ArmorBrite Powdercoat finish, color as selected by Architect.
 - 1) Color: White .
 - 4) Seals: Bottom of door to have flexible U-shaped vinyl seal retained in aluminum rail.
 - 5) Bulb-type joint seal between sections.
 - 6) Blade seal on top section to prevent airflow above header.
 - 7) Trussing: Doors designed to withstand specified windload. Deflection of door in horizontal position to be maximum of 1/120th of door width.
 - 8) Windows: Provide door sections with windows in lieu of 0.050 inch (1.3 mm) aluminum filler panels. Locations to comply with door elevation drawings.
 - a) Impact Rated Glazing (AV200 and AV300 only): Provide as follows:
 - 1) 11/32 inch (8.7 mm) Tinted Gray Impact Glass
 - 1) **1/2 inch insulated glazing options**
 - a) 1/2 inch (12.69 mm) **Insulated Clear Glass** consisting of two panes of 1/8 inch (3.2 mm) DSB insulated glass.

- b) 1/2 inch (12.69 mm) **Insulated Clear Glass with Breather Tube** consisting of two panes of 1/8 inch (3.2 mm) DSB insulated glass.
- c) 1/2 inch (12.69 mm) **Insulated Clear Tempered Glass** consisting of two panes of 1/8 inch (3.2 mm) Tempered insulated glass.
- d) 1/2 inch (12.69 mm) **Insulated Clear Tempered Glass with Breather Tube** consisting of two panes of 1/8 inch (3.2 mm) Tempered insulated glass.
- e) 1/2 inch (12.69 mm) **Insulated Bronze Tinted Glass** consisting of two panes of 1/8 inch (3.2 mm) DSB insulated glass.
- f) 1/2 inch (12.69 mm) **Insulated Bronze Tinted Tempered Glass** consisting of two panes of 1/8 inch (3.2 mm) Tempered insulated glass.
- g) 1/2 inch (12.69 mm) **Insulated Smoked Grey Tinted Glass** consisting of two panes of 1/8 inch (3.2 mm) DSB insulated glass.
- h) 1/2 inch (12.69 mm) **Insulated Smoked Grey Tinted Tempered Glass** consisting of two panes of 1/8 inch (3.2 mm) Tempered insulated glass.
- i) 1/2 inch (12.69 mm) **Insulated Satin Glass** consisting of two panes of 1/8 inch (3.2 mm) DSB insulated glass.
- j) 1/2 inch (12.69 mm) **Insulated Satin Tempered Glass** consisting of two panes of 1/8 inch (3.2 mm) Tempered insulated glass.
- k) 1/2 inch (12.69 mm) **Insulated Raised Obscure Glass** consisting of two panes of 1/8 inch (3.2 mm) DSB insulated glass.
- l) 1/2 inch (12.69 mm) **Insulated Raised Obscure Tempered Glass** consisting of two panes of 1/8 inch (3.2 mm) Tempered insulated glass.
- m) 1/2 inch (12.69 mm) **Insulated Low E DSB Glass** consisting of two panes of 1/8 inch (3.2 mm) DSB insulated glass.
- n) 1/2 inch (12.69 mm) **Insulated Low E Tempered Glass** consisting of two panes of 1/8 inch (3.2 mm) Tempered insulated glass.
- o) 1/2 inch (12.69 mm) **Insulated Solarban 60 Low E Glass** consisting of two panes of 1/8 inch (3.2 mm) Tempered insulated glass.
- p) 1/2 inch (12.69 mm) **Insulated Solarban 60 Low E Tempered Glass** consisting of two panes of 1/8 inch (3.2 mm) Tempered insulated glass.
- q) 1/2 inch (12.69 mm) **Insulated Bronze Tinted Low E DSB Glass** consisting of two panes of 1/8 inch (3.2 mm) DSB insulated glass.

- r) 1/2 inch (12.69 mm) **Insulated Bronze Tinted Low E Tempered Glass** consisting of two panes of 1/8 inch (3.2 mm) Tempered insulated glass.
- s) 1/2 inch (12.69 mm) **Insulated Smoked Grey Tinted Low E DSB Glass** consisting of two panes of 1/8 inch (3.2 mm) DSB insulated glass.
- t) 1/2 inch (12.69 mm) **Insulated Smoked Grey Tinted Low E Tempered Glass** consisting of two panes of 1/8 inch (3.2 mm) Tempered insulated glass.

2. Track:

- a. Material: Hot-dipped galvanized steel (ASTM A 653), fully adjustable for adequate sealing of door to jamb or weatherseal.
- b. Configuration Type: Normal Headroom.
- c. Configuration Type: Low Headroom.
- d. Configuration Type: Vertical Lift.
- e. Configuration Type: Lift-Clearance.
- f. Configuration Type: Incline.
- g. Configuration Type: Contour.
- h. Track Size: 2 inches (51 mm).
 - 1) Jamb Type: Wood only.
 - a) Mounting: Adjustable track brackets.
 - 2) Jamb Type: Steel, wood, or masonry.
 - a) Mounting: Floor-to-header angles. 13 gauge (2.2 mm) minimum continuous angles from floor to door header. Angle Size: 2-5/16 x 4 inches (59 x 102 mm)
 - b) Mounting: Floor-to-shaft angles. 13 gauge (2.2 mm) minimum continuous angles from floor, past header, up to door shaft. Angle Size: 2-5/16 x 4 inches (59 x 102 mm).
 - c) Mounting: QuikClip. Clip-Angle brackets pre-assembled to 13 gauge (2.2 mm) minimum continuous angle from floor to door header and continuous angle from door header to door shaft. Angle Size: 2-5/16 x 1-1/4 inches (59 x 32 mm).
- i. Track Size: 3 inches (76 mm).
 - 1) Jamb Type: Steel, wood, or masonry.
 - a) Mounting: Floor-to-header angles. 13 gauge (2.2 mm) minimum continuous angles from floor to door header. Angle Size: 3-1/2 x 5 inches (89 x 127 mm) on 3-inch track.
 - b) Mounting: Floor-to-shaft angles. 13 gauge (2.2 mm) minimum continuous angles from floor, past header, up to door shaft. Angle Size: 3-1/2 x 5 inches (89 x 127 mm) on 3-inch track.
 - c) Mounting: QuikClip. Clip-Angle brackets pre-assembled to 13 gauge (2.2 mm) minimum continuous angle from floor to door header and continuous angle from door header to door shaft. Angle Size: 3-1/2 x 1-1/4 inches (89 x 32 mm) on 3-inch track.
- j. Finish:
 - 1) Galvanized.

3. Counterbalance:

- a. Counterbalance System: Provided with aircraft-type, galvanized steel lifting cables with minimum safety factor of 5. Torsion Springs consisting of heavy-duty oil-tempered wire torsion springs on a continuous ball-bearing cross-header shaft.
 - 1) Spring Cycle Requirements: Standard 10,000 cycles.
- 4. Hardware:
 - a. Hinges and Brackets: Fabricated from galvanized steel.
 - b. Track Rollers: 2 inches (50.8 mm) diameter consistent with track size, with hardened steel ball bearings.
 - c. Track Rollers: 3 inches (76.2 mm) diameter consistent with track size, with hardened steel ball bearings.
 - d. Perimeter Seal: Provide complete weather stripping system to reduce air infiltration. Weather stripping shall be replaceable.
 - 1) For bracket mounted doors provide climate seal or vinyl seal with aluminum retainer.
 - 2) For angle mounted doors provide angle clip-on seal.
 - e. Furnish door system with locks: Exterior lock with five-pin tumbler cylinder, night latch and steel bar engaging track.
 - f. Furnish door system with locks: Interior lock with dead bolt provided with hole to receive padlock provided by Owner.
- 5. AlumaView Limited Warranty: Raynor warrants the door sections against defects in material and workmanship for five years from date of delivery to the original purchaser. Window components are warranted against defects in material and workmanship for three years from date of delivery to the original purchaser. Raynor warrants all hardware and spring components against defects in material and workmanship for one year (or cycle life of the springs) from date of delivery to the original purchaser. Additional Limited Warranty requirements in accordance with manufacturer's full standard limited warranty documentation.

6.

2.3 ELECTRIC OPERATORS

- A. ControlHoist as manufactured by Raynor Garage Doors:
 - 1. Model:
 - a. Raynor ControlHoist Optima:
 - 1) Type: Jackshaft with manual chain hoist.
 - 2) Motor Horsepower Rating: Continuous 1-1/2 HP.
 - 3) Electrical Requirements: 208-230 volt three phase.
 - 4) Duty Cycle: 30 cycles/hour or 300 cycles/day.
 - 5) Control Wiring: Solid state circuitry with provisions for connection of safety edge to reverse, external radio control hook-up and maximum run timer. Provisions for timers to close, monitored reversing devices, mid stop and lock bar sensor capability.
 - a) Provide three button momentary contact "open-stop", constant pressure on close (can be changed to momentary to close).
 - b) Custom wiring.
 - 6) Entrapment protection:

- a) Wired Monitored electric reversing edge extending full width of door.
- b) Wireless Monitored electric reversing edge extending full width of door.
- c) NEMA 1 Monitored photo electric eyes mounted on jambs.
- d) NEMA 4X Monitored photo electric eyes mounted on jambs.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared. Verify that site conditions are acceptable for installation of doors, operators, controls and accessories. Ensure that openings are square, flush and plumb.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 INSTALLATION

- A. General: Install door, track and operating equipment complete with all necessary accessories and hardware according to shop drawings, manufacturer's instructions.
- B. Lubricate bearings and sliding parts, and adjust doors for proper operation, balance, clearance and similar requirements.

3.4 PROTECTION

- A. Clean installed products in accordance with manufacturer's instructions prior to Owner's acceptance. Remove and legally dispose of construction debris from project site.
- B. Remove temporary coverings and protection of adjacent work areas. Repair or replace installed products damaged prior to or during installation.
- C. Lubricate bearings and sliding parts, assure weather tight fit around door perimeter and adjust doors for proper operation, balance, clearance and similar requirements. Protect installed products until completion of project.
- D. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION



MIDWEST STEEL FAB, LLC

STRUCTURAL STEEL FABRICATION

1840 N OHIO AVENUE, WICHITA KS 67214

OFFICE: 316.832.9669

Request for Specification Change

DATE: 9/21/2023

ATTENTION: Dave Konda

PROJECT: Salina Area Technical College

IMA Building

TO: Hutton Construction

RE: Salina Area Technical College IMA Building - Spec Revision Request

REQUEST:

The spec section on S001 listed on this project indicates for the fabricator to be an AISC certified fabricator. We have seen this changed on other projects by providing third party inspections by a third party inspection company, such as Terracon, and are requesting for that to be an option on this project as well.

S001 - Structural Steel:

" 5. THE STRUCTURAL STEEL FABRICATOR SHALL BE AN AISC QUALITY CERTIFIED COMPANY FOR THE CATEGORY OF WORK IN THIS PROJECT OR PROVIDE A QUALITY ASSURANCE PLAN AND SPECIAL INSPECTIONS AS DEFINED IN THE CODE.."

Request to replace with:

"Requirements for the AISC plant certification may be waived provided the fabricator provides 3rd party special inspection of the pieces fabricated prior to delivery to the project site. Inspections may be conducted in accordance with the delivery sequence and schedule of the fabricator. Refer to the project specifications for special inspection requirements. This exception does not remove the requirement for onsite special inspections."

REQUESTED BY: Garrett Taylor - General Manager

DATE: 9/21/2023

RESPONSE:

Based off our structural general notes, it is acceptable to have a third party company do quality assurance and special inspections.

MKEC ENGINEERING, INC.
411 N. WEBB RD - WICHITA, KS 67206

☐ Reviewed ☐ Revise and Resubmit
☒ Reviewed as Noted ☐ Rejected
☐ Not Required by the Contract Documents

Reviewed for conformance with the design concept of the Project and compliance with the information given in the Contract Documents. Contractor is responsible for dimensions to be confirmed and correlated at the job site; for information that pertains solely to the fabrication process or to techniques of construction; and for coordination of the work of all trades. If "Resubmit" or "Rejected" are not checked resubmission is neither desired or required.

BY MB DATE 9/29/2023

ANSWERED BY: Mikah Betterton

DATE: 2023-09-29