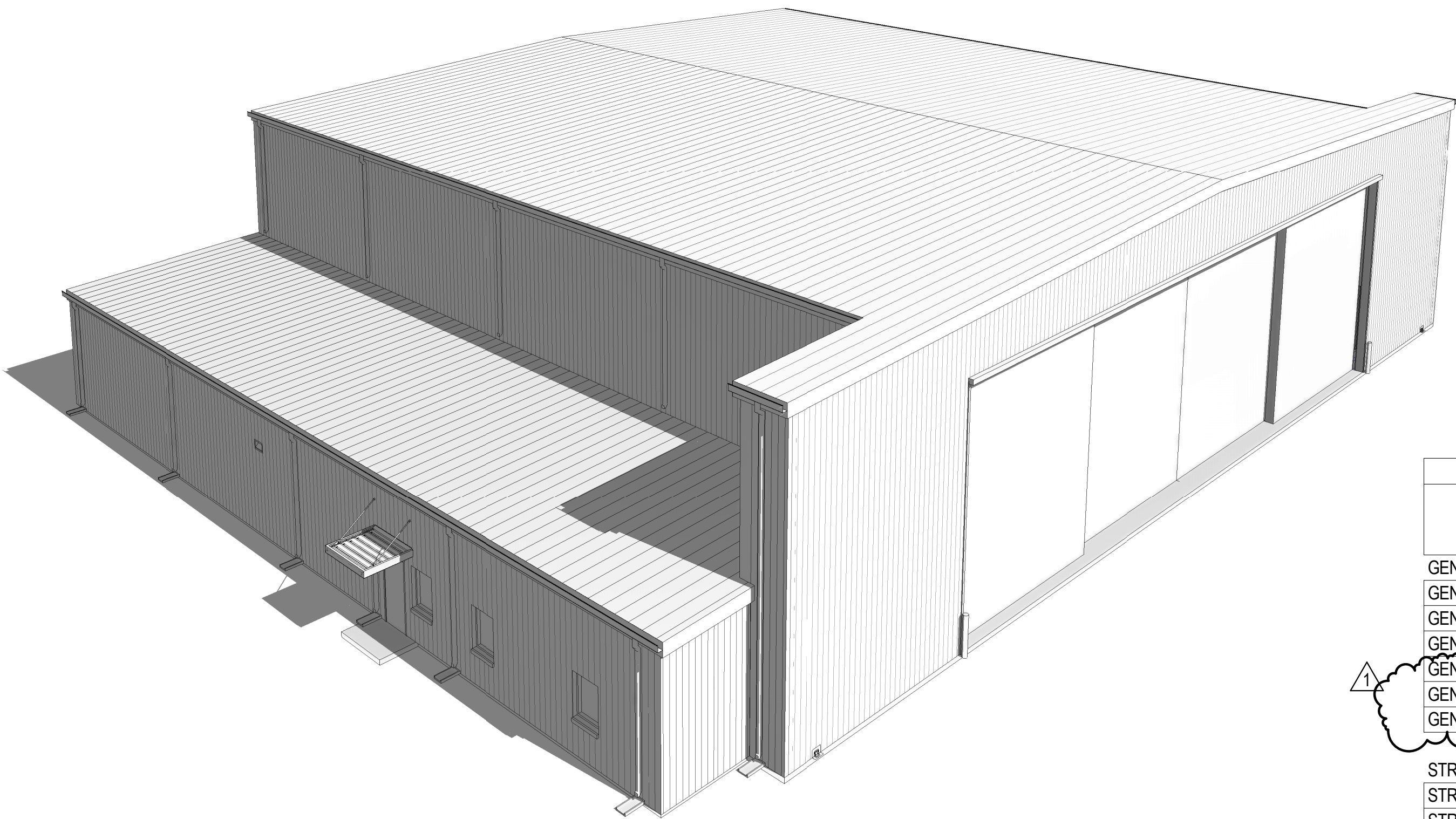


JONESBORO MUNICIPAL AIRPORT

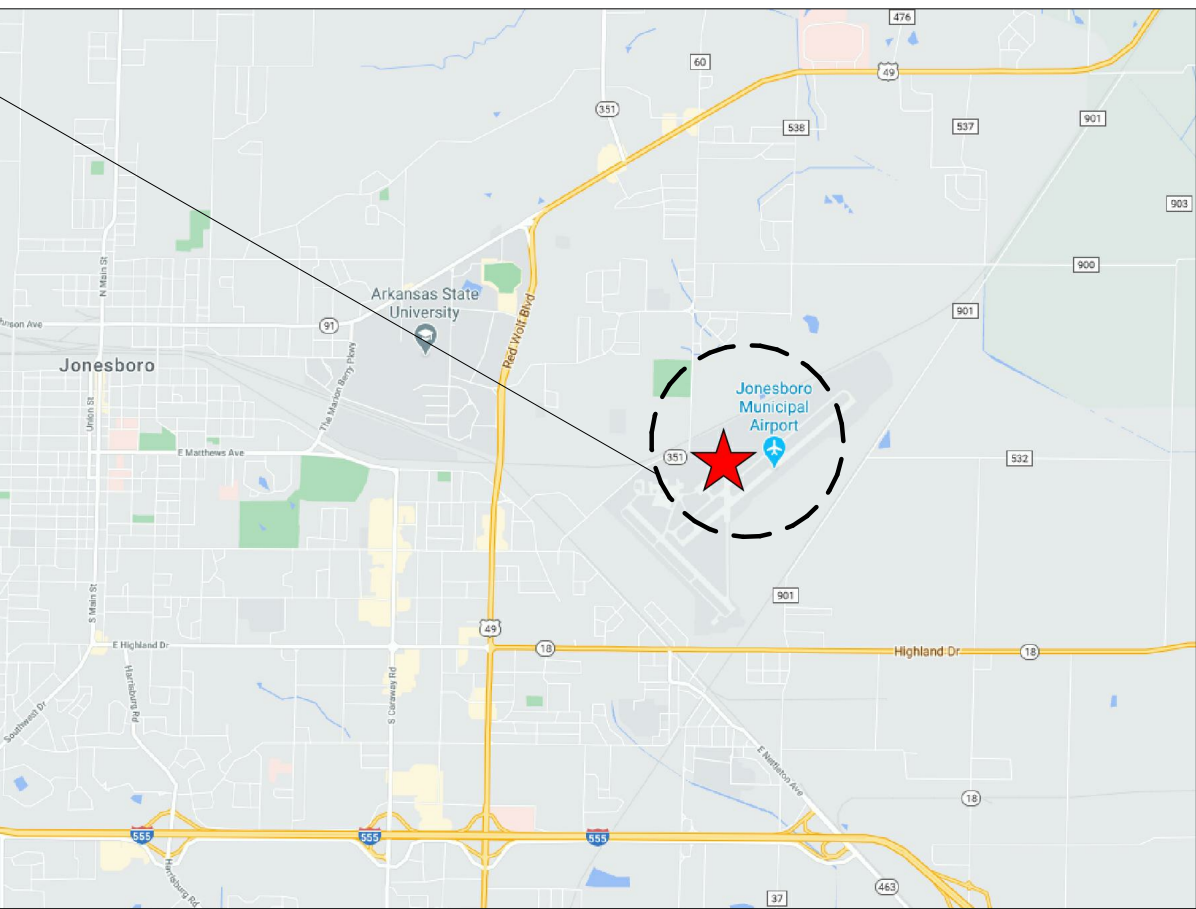
HANGAR REPLACEMENT

3001 EARHART DRIVE  
JONESBORO, AR 72401



CONSTRUCTION SET  
ADDENDUM #1  
03-16-2021

JONESBORO MUNICIPAL  
AIRPORT  
3901 LINDBERGH DRIVE  
JONESBORO, AR 72401



VICINITY MAP  
NTS

JONESBORO  
MUNICIPAL AIRPORT



LOCATION MAP  
NTS

SCHEDULE - SHEET INDEX			
SHEET INFORMATION			SUBMISSIONS CONSTRUCTION SET
DISCIPLINE	NUMBER	NAME	
GENERAL			
GENERAL	G-001	COVER SHEET	X
GENERAL	G-101	GENERAL NOTES	X
GENERAL	G-102	CODE SCHEDULE & LIFE SAFETY PLAN	X
GENERAL	G-103	UL DESIGNS	X
GENERAL	G-104	UL DESIGNS	X
GENERAL	G-105	UL DESIGNS	X

STRUCTURAL			
STRUCTURAL	S-001	GENERAL NOTES	X
STRUCTURAL	S-101	FOUNDATION AND SLAB PLAN	X
STRUCTURAL	S-201	FOUNDATION SECTIONS AND DETAILS	X

ARCHITECTURE			
ARCHITECTURE	A-001	ARCHITECTURAL GENERAL NOTES, MATERIAL AND ANNOTATION LEGEND	X
ARCHITECTURE	A-002	TYPICAL ADA DETAILS	X
ARCHITECTURE	AD-110	DEMOLITION FLOOR PLAN	X
ARCHITECTURE	AS100	OVERALL SITE PLAN	X
ARCHITECTURE	AS-101	ARCHITECTURAL - SITE PLAN	X
ARCHITECTURE	A-110	FLOOR PLAN	X
ARCHITECTURE	A-130	ROOF PLAN	X
ARCHITECTURE	AR110	REFLECTED CEILING PLAN	X
ARCHITECTURE	A-201	EXTERIOR ELEVATIONS	X
ARCHITECTURE	A-202	EXTERIOR ELEVATIONS	X
ARCHITECTURE	A-301	BUILDING SECTIONS	X
ARCHITECTURE	A-311	WALL SECTIONS	X
ARCHITECTURE	A-312	WALL SECTIONS	X
ARCHITECTURE	A-401	ENLARGED TOILET ROOMS	X
ARCHITECTURE	A-501	DETAIL SECTION VIEWS	X
ARCHITECTURE	A-502	DETAIL PLAN VIEWS	X
ARCHITECTURE	A-601	PARTITION TYPES	X
ARCHITECTURE	A-602	ROOM FINISH SCHEDULE & SIGNAGE DETAILS	X
ARCHITECTURE	A-611	DOOR SCHEDULE, DOOR AND WINDOW ELEVATIONS	X

SCHEDULE - SHEET INDEX			
SHEET INFORMATION			SUBMISSIONS CONSTRUCTION SET
DISCIPLINE	NUMBER	NAME	
ARCHITECTURE	A-612	DOOR HEAD, JAMB, AND SEAL DETAILS	X
ARCHITECTURE	A-613	WINDOW HEAD, JAMB, AND SILL DETAILS	X

FIRE PROTECTION			
FIRE PROTECTION	FP001	FIRE PROTECTION GENERAL NOTES AND DETAILS	X
FIRE PROTECTION	FP101	FLOOR PLAN - FIRE PROTECTION	X

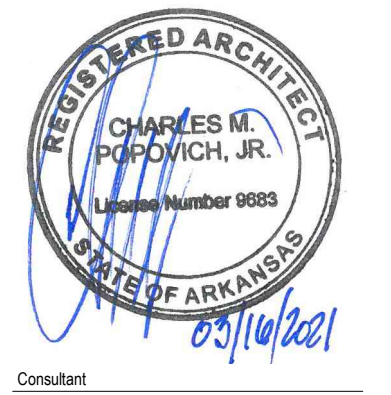
PLUMBING			
PLUMBING	P001	PLUMBING GENERAL NOTES AND LEGEND	X
PLUMBING	P101	FLOOR PLAN - SANITARY SEWER AND VENT	X
PLUMBING	P102	FLOOR PLAN - DOMESTIC WATER	X
PLUMBING	P103	FLOOR PLAN - NATURAL GAS	X
PLUMBING	P201	PLUMBING RISER DIAGRAMS	X
PLUMBING	P202	PLUMBING RISER DIAGRAMS	X
PLUMBING	P203	PLUMBING RISER DIAGRAMS	X
PLUMBING	P301	PLUMBING DETAILS	X
PLUMBING	P401	PLUMBING SCHEDULES	X

MECHANICAL			
MECHANICAL	M001	MECHANICAL GENERAL NOTES AND LEGEND	X
MECHANICAL	M101	FLOOR PLAN - HVAC DUCTWORK	X
MECHANICAL	M201	MECHANICAL DETAILS	X
MECHANICAL	M202	MECHANICAL DETAILS	X
MECHANICAL	M203	MECHANICAL DETAILS	X
MECHANICAL	M301	MECHANICAL SCHEDULES	X

ELECTRICAL			
ELECTRICAL	E001	ELECTRICAL GENERAL NOTES AND LEGEND	X
ELECTRICAL	E101	FLOOR PLAN - LIGHTING	X
ELECTRICAL	E102	FLOOR PLAN - POWER AND SYSTEMS	X
ELECTRICAL	E201	ELECTRICAL DETAILS AND DIAGRAMS	X
ELECTRICAL	E301	ELECTRICAL SCHEDULES	X

Michael Baker

INTERNATIONAL  
1501 LBJ FREEWAY,  
SUITE 650  
DALLAS, TX 75234



REVISIONS			DESCRIPTION
NO.	DATE	ADDENDUM #1	
1	03/16/2021		

HANGAR REPLACEMENT  
3001 EARHART DRIVE  
JONESBORO, AR 72401

Project Number:	181261
Date:	02-05-2021
Scale:	AS NOTED
Sheet #	G-001

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Code Compliance Schedule	
International Building Code (IBC)	2012
International Existing Building Code	2012
Arkansas Fire Prevention Code Vol. I: Fire	2012
Arkansas Fire Prevention Code Vol. II: Building	2012
AMC: Arkansas Mechanical Codes	2010
Arkansas Energy Code	2014
APC: Arkansas Plumbing Codes	2006
NEC: National Electric Code	2011
AFGC: Arkansas Fuel and Gas Codes	2006
ADA (ADAAG)	2010
ICC/ANSI A117.1	2009
NFPA 101 Life Safety Code	2015
NFPA 13 Fire Sprinkler Code	2013
NFPA 10 Portable Fire Extinguishers	2013
NFPA 72 Fire Alarm Code	2013
ASHRAE 90.1	2013
Project Information	
Project Location: JONESBORO MUNICIPAL AIRPORT 3901 LINDBURG DRIVE, JONESBORO, AR 72401	
Owner: JONESBORO MUNICIPAL AIRPORT CONTACT: GEORGE JACKSON PHONE: 870-932-1052	
Architect: MICHAEL BAKER INTERNATIONAL 1501 LBJ FREEWAY, SUITE 650 DALLAS, TX 75234 CONTACT: CHARLES POPOVICH PHONE: 469-801-8509	

Zoning/Flood Information:	
Zoning Classification: I-2	
Food Zone: Zone X	
Finish Floor Elevation (MIN) = EL 262'-0" ABOVE SEA LEVEL.	
Code Compliance Information	
USE GROUP / OCCUPANCY CLASSIFICATION: SEPARATED MIXED USE (2012 IBC - Table 508.4) 1-HOUR FIRE BARRIER (2012 Arkansas Fire Prevention Code - 914.8.2.2)	
CONSTRUCTION TYPE: Type II B. Automatic Sprinklered (2012 IBC - Table 601)	

BUILDING DATA:	
B, S-1 - Automatic Sprinklered:	
B - Number of Floors	3
S-1 Number of Floors	2

ALLOWABLE AREA	
B Business Area	23,000 SF
S-2 Storage Area	17,500 SF
Total Floor Area (Most Restricting)	17,050 SF

Parapet Height - N/A	
Design Wind Speed = 115 mph	
"R" / "U" Values: Per 2014 Arkansas Energy Code:	
Craighead County Climate Zone: 3	
Entirely above Roof Deck: R20ci	
Metal Buildings (Roof) (with R-5 thermal Blocks): R-13 + R-13	
Metal Building (walls): R-19	
Metal Frame (Walls): R-13+R-3.8ci.	
Glass: U < 0.60 (Table 502.3) SHGC: PF<0.25 = U-0.25 (Table 502.3)	
Insulated GL; Impact Rated	

RATED SEPARATIONS (IBC Table 601, 602, 508.3.3 & Ch-7)	
Occupancy Separation (IBC 508.3.3)	(Non separated)
Primary Structural Frame	0
Bearing Walls (Exterior)	0
Bearing Walls (Interior)	0
Non-bearing Walls and Partitions (Exterior)	0
Non-bearing Walls and Partitions (Interior)	0
Floor Construction and Assoc Members	0
Roof Construction and Assoc Members	0

Corridor Fire Rating (B, S-1)(IBC Table 1018.1)	0 Hour
---	--------

OPENING PROTECTION:	
Exit Access Corridors (B, S-1)	2 Hour

2016 NFPA 409 COMPLIANCE	
CHAPTER 4 - AIRCRAFT HANGAR GROUPS:	
4.1.3 Group III Aircraft Hangar	
Table 4.1.3 Maximum Fire Areas for Group III Aircraft Hangars	
Type of Construction	Maximum Single Fire Area sq. ft.
Type II (000)	12,000

Section 8.8.1.2: Will not be performing Hazardous Operations as described in the NFPA 409 Section 8.8	
---	--

D	Bearing Walls (Interior)	0
	Non-bearing Walls and Partitions (Exterior)	0
	Non-bearing Walls and Partitions (Interior)	0
	Floor Construction and Assoc Members	0
	Roof Construction and Assoc Members	0

Code Plan Legend	
Space Egress Tag	
Max Number of Occupants Thru Opening	
Direction of Travel	
Clear Width of Door in Inches	
Building Egress Tag	
Max Number of Occupants Thru Opening	
Direction of Travel	
Clear Width of Door in Inches	
Fire Extinguisher (Wall Mount)	
Fire Extinguisher & Cabinet	
Defibrillator & Cabinet with Alarm	
Door on Hold Open / Release Device-Connect to Fire Alarm	
Doors to Have Electric Locks & Emergency Push Button Within 5'-0" of Door	
Egress Window	
Exit Light	
Direction of Travel	
Egress Travel Distance	

LIFE SAFETY PLAN	
GROSS AREA = 12,883 SF	
SCALE: 1/8" = 1'-0"	

ROOF DRAINAGE ANALYSIS							
100 YEAR, 1-HOUR RAINFALL (INCHES) FOR JONESBORO, ARKANSAS (Table 1106.1) = 4.0							
LOWER ROOF TOTAL AREA = 2,556 SF							
HIGHER ROOF TOTAL AREA = 10,609 SF (10,609/2=5,304.5, HALF OF WATER IS DISTRIBUTED TO LOWER ROOF AREA)							
VERTICAL WALL TOTAL AREA (DIVIDED BY HALF PER 1106.4)= 1,755 SF/2 = 877.5 SF							
LOCATION	D.S. SIZE QUANTITY (INCHES) PROVIDED	CAPACITY PER EACH (IN/HR)	CAPACITY PROVIDED	TARGET CAPACITY (AREA)	GUTTER SIZE (INCHES)	CAPACITY PER SLOPE	TARGET CAPACITY
WEST OF ROOF RIDGE	4 SQ. IN.	5	4,600	23,000	8,738 (LOWER ROOF + VERTICAL WALL + WEST OF HIGHER ROOF)	6 SQ. IN.	1,920 1/4"/FT SLOPE (TOTAL AREA/5 D.S.)
EAST OF ROOF RIDGE	4 SQ. IN.	5	4,600	23,000	5,304.5 (EAST HIGHER ROOF)	6 SQ. IN. (FOR HIGHER ROOF ON BOTH ENDS)	1,360 1/8"/FT SLOPE (TOTAL AREA/5 D.S.)

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HANGAR REPLACEMENT 3001 EARHART DRIVE JONESBORO,
--



A

B

C

D

BXUVU419 - Fire Resistance Ratings - ANSI/UL 263



Design No. U419  
BXUV.U419  
Fire Resistance Ratings - ANSI/UL 263  
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Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

BXUV - Fire Resistance Ratings - ANSI/UL 263

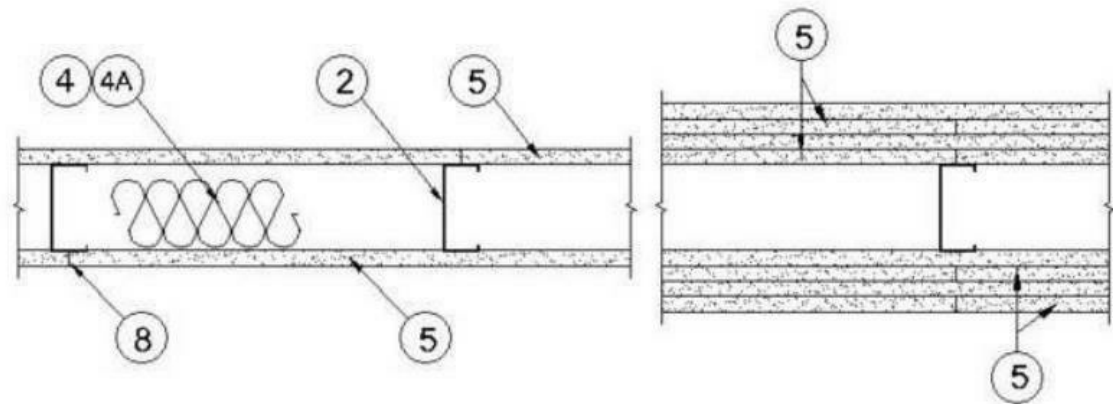
BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

Design No. U419

April 12, 2016

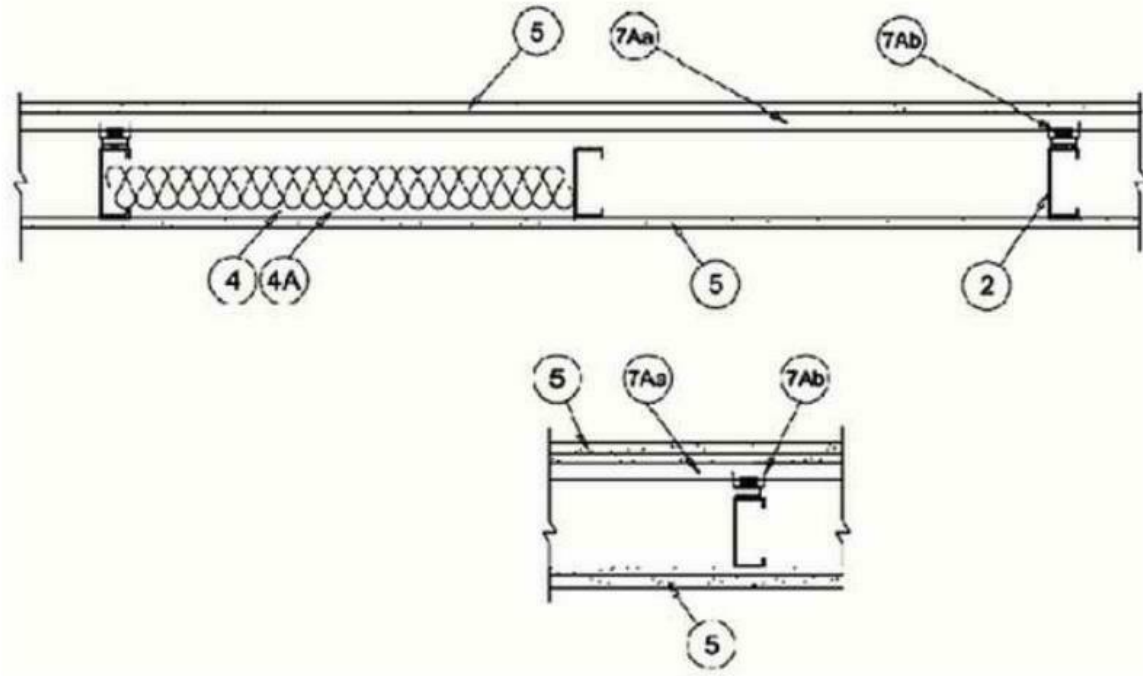
Nonbearing Wall Ratings — 1, 2, 3 or 4 Hr (See Items 4 & 5 through 5K)

\* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.



1/11

BXUVU419 - Fire Resistance Ratings - ANSI/UL 263



1. **Floor and Ceiling Runners** — (Not Shown) — For use with Item 2 - Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min depth to accommodate stud size, with min 1-1/4 in. long legs, attached to floor and ceiling with fasteners 24 in. OC max.

1A. **Framing Members\* — Floor and Ceiling Runner** — Not Shown — In lieu of Item 1 — For use with Item 2B, proprietary channel shaped runners, 3-5/8 in. deep attached to floor and ceiling with fasteners 24 in. OC max.

CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper25™ Track

CRACO MFG INC — SmartTrack25™

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper25™ Track

1B. **Framing Members\* — Floor and Ceiling Runner** — Not Shown — In lieu of Item 1 — For use with Item 2C, proprietary channel shaped runners, 1-1/4 in. wide by 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper20™ Track

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™ Track

1C. **Framing Members\*— Floor and Ceiling Runners** — (Not Shown) — In lieu of Item 1 - Channel shaped, attached to floor and ceiling with fasteners 24 in. OC. max.

ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME Framing System

CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME Framing System

QUAIL RUN BUILDING MATERIALS INC — Type SUPREME Framing System

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME Framing System

STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME Framing System

2/11

BXUVU419 - Fire Resistance Ratings - ANSI/UL 263

UNITED METAL PRODUCTS INC — Type SUPREME Framing System

1D. **Floor and Ceiling Runners** — (Not Shown) — For use with Item 2A — Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, min depth to accommodate stud size, with min 1 in. long legs, attached to floor and ceiling with fasteners spaced max 24 in. OC.

1E. **Framing Members\* — Floor and Ceiling Runners** — (Not Shown, As an alternate to Item 1) — For use with Items 2E, 5F or 5G or 5I only, channel shaped, fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, attached to floor and ceiling with fasteners 24 in. OC. max.

CLARKDIETRICH BUILDING SYSTEMS — CD ProTRAK

DMFCWBS L L C — ProTRAK

MBA METAL FRAMING — ProTRAK

RAM SALES L L C — Ram ProTRAK

STEEL STRUCTURAL PRODUCTS L L C — Tri-S ProTRAK

1F. **Framing Members\* — Floor and Ceiling Runner** — Not Shown — In lieu of Item 1 — For use with Item 2F, proprietary channel shaped runners, minimum width to accommodate stud size, with 1- 1/8 in. long legs fabricated from min 0.015 in. (min bare metal thickness) galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

SUPER STUD BUILDING PRODUCTS — The Edge

1G. **Framing Members\* - Floor and Ceiling Runner** — For use with Item 2G, proprietary channel shaped runners, minimum width to accommodate stud size attached to floor and ceiling with fasteners 24 in. OC max.

STUDCO BUILDING SYSTEMS — CROCSTUD Track

1H. **Floor and Ceiling Runners** — (Not Shown) — Channel shaped, fabricated from min 0.02 in. galv steel, min width to accommodate stud size, with min 1 in. long legs, for use with studs specified below and fabricated from min 0.02 in. galv steel or thicker, attached to floor and ceiling with fasteners spaced max 24 in. OC.

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™ Track VT100.

1I. **Framing Members\* — Floor and Ceiling Runners** — (Not Shown, As an alternate to Item 1) — For use with Items 2H, channel shaped, fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, attached to floor and ceiling with fasteners 24 in. OC. max.

TELLING INDUSTRIES L L C — TRUE-TRACK™

1J. **Framing Members\* — Floor and Ceiling Runner** — Not Shown — In lieu of Item 1 — For use with Item 2J, proprietary channel shaped runners, 3-5/8 in. deep attached to floor and ceiling with fasteners 24 in. OC max.

TELLING INDUSTRIES L L C — Viper25™ Track

1K. **Framing Members\* — Floor and Ceiling Runner** — Not Shown — In lieu of Item 1 — For use with Item 2J, proprietary channel shaped runners, 1-1/4 in. wide by 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

TELLING INDUSTRIES L L C — Viper20™ Track

1L. **Framing Members\* — Floor and Ceiling Runners** — (Not Shown) — As an alternate to Item 1 - For use with Item 2N. Channel shaped, attached to floor and ceiling with fasteners 24 in. OC. max.

BAILEY METAL PRODUCTS LTD — Type PLATINUM PLUS

3/11

BXUVU419 - Fire Resistance Ratings - ANSI/UL 263

1M. **Framing Members\* — Floor and Ceiling Runners** — Not Shown — As an alternate to Item 1 — For use with Item 2O, proprietary channel shaped runners, min width to accommodate stud size, galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

RONDO BUILDING SERVICES PTY LTD — Rondo Wall Track

2. **Steel Studs** — Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.

2A. **Steel Studs** — (As an alternate to Item 2, For use with Items 5B, 5E, 5H, 5J and 5K) Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, 3-1/2 in. min depth, spaced a max of 16 in. OC. Studs friction-fit into floor and ceiling runners. Studs to be cut 5/8 to 3/4 in. less than assembly height.

2B. **Framing Members\* - Steel Studs** — (As an alternate to Item 2, For use with Items 5C, 5I or 5K) - Proprietary channel shaped studs, 3-5/8 in. deep spaced a max of 24 in. OC. Studs to be cut 3/4 in less than the assembly height and installed with a 1/2 in. gap between the end of the stud and track at the bottom of the wall. For direct attachment of gypsum board only.

CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper25™

CRACO MFG INC — SmartStud25™

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper25™

2C. **Framing Members\* — Steel Studs** — Not Shown — In lieu of Item 2 — proprietary channel shaped steel studs, min depth as indicated under Item 5, spaced a max if 24 in. OC, fabricated from min 0.020 in. thick galv steel. Studs cut 3/8 in. to 3/4 in. less in lengths than assembly heights.

CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper20™

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™

2D. **Framing Members\* — Steel Studs** — In lieu of Item 2 - Channel shaped studs, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME Framing System

CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME Framing System

QUAIL RUN BUILDING MATERIALS INC — Type SUPREME Framing System

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME Framing System

STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME Framing System

UNITED METAL PRODUCTS INC — Type SUPREME Framing System

2E. **Framing Members\* — Steel Studs** — (Not Shown, As an alternate to Item 2) —For use with Items 5F or 5G or 5I or 5K only, channel shaped studs, min depth as indicated under Item 5F, 5G or 5I, fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

CLARKDIETRICH BUILDING SYSTEMS — CD ProSTUD

DMFCWBS L L C — ProSTUD

MBA METAL FRAMING — ProSTUD

RAM SALES L L C — Ram ProSTUD

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BXUVU419 - Fire Resistance Ratings - ANSI/UL 263

STEEL STRUCTURAL PRODUCTS L L C — Tri-S ProSTUD

2F. **Framing Members\* — Steel Studs** — Not Shown — In lieu of Item 2 — proprietary channel shaped steel studs, minimum width indicated under Item 5, 1-1/4 in. deep fabricated from min 0.015 in. (min bare metal thickness) galvanized steel. Studs 3/8 in. to 3/4 in. less in lengths than assembly heights.

SUPER STUD BUILDING PRODUCTS — The Edge

2G. **Framing Members\* — Steel Studs** — Not Shown — In lieu of Item 2 - proprietary channel shaped studs, minimum width indicated under Item 5, Studs to be cut 3/8 to 3/4 in less than the assembly height.

STUDCO BUILDING SYSTEMS — CROCSTUD

2H. **Framing Members\* — Steel Studs** — (Not Shown, As an alternate to Item 2) — Fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

TELLING INDUSTRIES L L C — TRUE-STUD™

2I. **Framing Members\* — Steel Studs** — (As an alternate to Item 2, For use with Items 5C or 5I, or 5K) - Proprietary channel shaped studs, 3-5/8 in. deep spaced a max of 24 in. OC. Studs to be cut 3/4 in less than the assembly height and installed with a 1/2 in. gap between the end of the stud and track at the bottom of the wall. For direct attachment of gypsum board only.

TELLING INDUSTRIES L L C — Viper25™

2J. **Framing Members\* — Metal Studs** — Not Shown — In lieu of Item 2 — proprietary channel shaped steel studs, min depth as indicated under Item 5, spaced a max if 24 in. OC, fabricated from min 0.020 in. thick galv steel. Studs cut 3/8 in. to 3/4 in. less in lengths than assembly heights

TELLING INDUSTRIES L L C — Viper20™

2K. **Framing Members\* — Steel Studs** — As an alternate to Item 2 — For use with Item 1, channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.

EB METAL INC — EB Stud

2L. **Framing Members\* — Steel Studs** — As an alternate to Item 2 — For use with Item 1, channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.

OLMAR SUPPLY INC — PRIMESTUD

2M. **Framing Members\* — Steel Studs** — As an alternate to Item 2 — For use with Item 1, channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Studrite™

2N. **Framing Members\* — Steel Studs** — As an alternate to Item 2 — For use with Item 1L, channel shaped, min 3-5/8 in. wide, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.

BAILEY METAL PRODUCTS LTD — Type PLATINUM PLUS

2O. **Framing Members\* — Steel Studs** — As an alternate to Item 2 — proprietary channel shaped steel studs, min width as indicated under Item 5, galv steel. Studs to be cut 3/8 to 3/4 in. less in lengths than assembly height. Spaced 24 in. OC max.

RONDO BUILDING SERVICES PTY LTD — Rondo Lipped Wall Stud

3. **Wood Structural Panel Sheathing** — (Optional, For use with Item 5 Only) — (Not Shown) - 4 ft wide, 7/16 in. thick oriented strand board (OSB) or 15/32 in. thick structural 1 sheathing (plywood) complying with DOC PS1 or PS2, or APA Standard PRP-108, manufactured with exterior glue, applied horizontally or vertically to the steel studs. Vertical

5/11

Michael Baker

INTERNATIONAL

1501 LBJ FREEWAY,  
SUITE 650  
DALLAS, TX 75234



Consultant

SEAL

NO.	DATE	ADDENDUM #1	DESCRIPTION
			REVISIONS
1	03/16/2021		

HANGAR REPLACEMENT  
3001 EARTH DRIVE  
JONESBORO, AR 72401

UL DESIGNS

Project Number: 181261

Date: 02-05-2021

Scale: AS NOTED

Sheet #

G-103

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CONSTRUCTION SET



A

B

C

D

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joints centered on studs, and staggered one stud space from wallboard joints. Attached to studs with flat-head self-drilling tapping screws with a min. head diam. of 0.292 in. at maximum 6 in. OC. in the perimeter and 12 in. OC. in the field. When used, gypsum panels attached over OSB or plywood panels and fastener lengths for gypsum panels increased by min. 1/2 in.

4. **Batts and Blankets\*** — (Required as indicated under Item 5) — Mineral wool batts, friction fitted between studs and runners. Min nom thickness as indicated under Item 5. See **Batts and Blankets (BKNV or B232) Categories** for names of Classified companies.

4A. **Batts and Blankets\*** — (Optional) — Placed in stud cavities, any glass fiber or mineral wool insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance. See **Batts and Blankets (BKNV or B232) Categories** for names of Classified companies.

4B. **Batts and Blankets\*** — For use with Item 5K, Placed in stud cavities, any min. 3-1/2 in. thick glass fiber insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance. See **Batts and Blankets (BKNV or B232) Categories** for names of Classified companies.

5. **Gypsum Board\*** — Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. The thickness and number of layers for the 1 hr, 2 hr, 3 hr and 4 hr ratings are as follows:

Gypsum Board Protection on Each Side of Wall				
Rating, Hr	Min Stud Depth, in. Items 2, 2C, 2D, 2F, 2G, 2O	No. of Layers & Thkns of Panel	Min Thkns of Insulation (Item 4)	
1	3-1/2	1 layer, 5/8 in. thick	Optional	
1	2-1/2	1 layer, 1/2 in. thick	1-1/2 in.	
1	1-5/8	1 layer, 3/4 in. thick	Optional	
2	1-5/8	2 layers, 1/2 in. thick	Optional	
2	1-5/8	2 layers, 5/8 in. thick	Optional	
2	3-1/2	1 layer, 3/4 in. thick	3 in.	
3	1-5/8	3 layers, 1/2 in. thick	Optional	
3	1-5/8	2 layers, 3/4 in. thick	Optional	
3	1-5/8	3 layers, 5/8 in. thick	Optional	
4	1-5/8	4 layers, 5/8 in. thick	Optional	
4	1-5/8	4 layers, 1/2 in. thick	Optional	
4	2-1/2	2 layers, 3/4 in. thick	2 in.	

**CGC INC** — 1/2 in. thick Type C, IP-X2 or IPC-AR; WRC, 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX or WRC; 3/4 in. thick Types IP-X3 or ULTRACODE

**UNITED STATES GYPSUM CO** — 1/2 in. thick Type C, IP-X2, IPC-AR or WRC; 5/8 in. thick Type SCX, SGX, SHX, WRX, IP-X1, AR, C, WRC, FRX-G, IP-AR, IP-X2, IPC-AR; 3/4 in. thick Types IP-X3 or ULTRACODE

**USG BORAL ZAWAWI DRYWALL L L C SFZ** — 1/2 in. Type C; 5/8 in. Types C, SCX

**USG MEXICO S A DE C V** — 1/2 in. thick Type C, IP-X2, IPC-AR or WRC; 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX, WRC or; 3/4 in. thick Types IP-X3 or ULTRACODE

When Item 7B, **Steel Framing Members\***, is used, Nonbearing Wall Rating is limited to 1 Hr. Min. stud depth is 3-1/2 in., min. thickness of insulation (Item 4) is 3 in., and two layers of gypsum board panels (1/2 in. or 5/8 in. thick) shall be attached to furring channels as described in Item 6. One layer of gypsum board panels (1/2 in. or 5/8 in. thick) attached to opposite side of stud without furring channels as described in Item 6.

5A. **Gypsum Board\*** — (As an alternate to Item 5) — 5/8 in. thick, 24 to 54 in. wide, applied horizontally as the outer layer to one side of the assembly. Secured as described in Item 6.

**CGC INC** — Type SHX.

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optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 8 ft long with a max thickness of 0.14 in. placed on the face of studs and attached to the stud with construction adhesive and two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max 0.085 in. thick. Compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".

**RADIATION PROTECTION PRODUCTS INC** — Type RPP - Lead Lined Drywall

5K. **Gypsum Board\*** — (Not Shown) — (As an alternate to Item 5) — Nom. 5/8 in. thick gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) need not be staggered. The number of layers for the 1 hr, 2 hr, 3 hr and 4 hr ratings are as follows:

Gypsum Board Protection on Each Side of Wall			
Rating, Hr	Min Stud Depth, in. Items 2 through 2O	No. of Layers & Thkns of Panel	Min Thkns of Insulation (Item 4B)
1	3-5/8	1 layer, 5/8 in. thick	3-1/2 in.
2	1-5/8	2 layers, 5/8 in. thick	Optional
3	1-5/8	3 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 5/8 in. thick	Optional

**UNITED STATES GYPSUM CO** — 5/8 in. thick Type ULX

6. **Fasteners** — (Not Shown) — For use with Items 2 and 2F - Type S or S-12 steel screws used to attach panels to studs (Item 2) or furring channels (Item 7). **Single layer systems:** 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 8 in. OC when panels are applied horizontally, or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when panels are applied vertically. **Two layer systems:** First layer- 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels or 2-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC with screws offset 8 in. from first layer. **Three-layer systems:** First layer- 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer- 2-1/4 in. long for 1/2 in., 5/8 in. thick panels or 2-5/8 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below. **Four-layer systems:** First layer- 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer- 2-1/4 in. long for 1/2 in. thick panels or 2-5/8 in. long for 5/8 in. thick panels, spaced 24 in. OC. Fourth layer- 2-5/8 in. long for 1/2 in. thick panels or 3 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below.

6A. **Fasteners** — (Not Shown) — For use with Item 5K- Type S or S-12 steel screws used to attach panels to studs or furring channels (Item 7). **Single layer systems:** 1 in. long screws, spaced 8 in. OC when panels are applied horizontally, or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when panels are applied vertically. **Two layer systems:** First layer- 1 in. long screws, spaced 16 in. OC. Second layer- 1-5/8 in. screws, spaced 8 in. OC with screws offset 8 in. from first layer. **Three-layer systems:** First layer- 1 in. long screws, spaced 24 in. OC. Second layer- 1-5/8 in. long screws, spaced 24 in. OC. Third layer- 2-5/8 in. long screws, spaced 8 in. OC. Screws offset min 6 in. from layer below. **Four-layer systems:** First layer- 1 in. long screws, spaced 24 in. OC. Second layer- 1-5/8 in. long screws, spaced 24 in. OC. Third layer- 2-5/8 in. long screws, spaced 24 in. OC. Fourth layer- 3 in. long screws, spaced 8 in. OC. Screws offset min 6 in. from layer below.

7. **Furring Channels** — (Optional, Not Shown, for single or double layer systems) — Resilient furring channels fabricated from min 25 MSG corrosion-protected steel, spaced vertically a max of 24 in. OC. Flange portion attached to each intersecting stud with 1/2 in. long Type S-12 steel screws. Not for use with Item 5A and 5E.

7A. **Framing Members\*** — (Optional on one or both sides, not shown, for single or double layer systems) — As an alternate to Item 7, furring channels and Steel Framing Members as described below:

a. **Furring Channels** — Formed of No. 25 MSG galv steel. 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board attached to furring channels as described in Item 6. Not for use with Item 5A and 5E.

b. **Steel Framing Members\*** — Used to attach furring channels (Item 7Aa) to studs (Item 2). Clips spaced max. 48 in. OC. RSIC-1 and RSIC-1 (2-7/5) clips secured to studs with No. 8 x 1 1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. RSIC-V and RSIC-V (2-7/5) clips secured to studs with No. 8 x 9/16 in. minimum self-drilling, S-12 steel screw through the center hole. Furring channels are friction fitted into clips. RSIC-1 and RSIC-V clips for use with 2-9/16 in. wide furring channels. RSIC-1 (2-7/5) and RSIC-V (2-7/5) clips for use with 2-23/32 in. wide furring channels.

**PAC INTERNATIONAL L L C** — Types RSIC-1, RSIC-V, RSIC-1 (2-7/5), RSIC-V (2-7/5).

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**UNITED STATES GYPSUM CO** — Type FRX-G, SHX.

**USG MEXICO S A DE C V** — Type SHX.

5B. **Gypsum Board\*** — (Not Shown) — As an alternate to Item 5 when used as the base layer on one or both sides of wall when 5/8 in or 3/4 in. thick products are specified. For direct attachment only to steel studs Item 2A, (not to be used with Item 3) — Nom 5/8 in. or 3/4 in. may be used as alternate to all 5/8 in. or 3/4 in. shown in Item 5, Wallboard Protection on Each Side of Wall table. Nom 5/8 in. or 3/4 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Gypsum board secured to 20 MSG steel studs Item 2A with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. To be used with Lead Batten Strips (see Item 11) or Lead Discs or Tabs (see Item 12).

**RAY-BAR ENGINEERING CORP** — Type RB-LBG

5C. **Gypsum Board\*** — (For Use With Item 2B) Rating Limited to 1 Hour: 5/8 in. thick, 48 in. wide, Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. (Vertical Application) - The gypsum board is to be installed on each side of the studs with 1 in. long Type S coated steel screws spaced 8 in. OC starting 4 in. from the edge of the board at the vertical edges and 12 in. OC starting 6 in. from the edge of the board at the center of each board. Gypsum boards are to be secured to the top and bottom track with screws spaced 8 in. OC starting 4 in. from the board edge. Fasteners shall not penetrate through both the stud and the track at the same time. Vertical joints are to be centered over studs and staggered one stud cavity on opposite sides of studs. (Horizontal Application) - The gypsum board is to be installed on each side of the studs with 1 in. long Type S coated steel screws spaced 8 in. OC starting 4 in. from the edge of the board at the vertical edges and 12 in. OC starting 6 in. from the edge of the board at the center of each board. Gypsum boards are to be secured to the top and bottom track with screws spaced 8 in. OC starting 4 in. from the board edge. Fasteners shall not penetrate through both the stud and the track at the same time. All horizontal joints are to be backed as outlined under section VI of Volume 1 in the Fire Resistive Directory.

**CGC INC** — Type SCX.

**UNITED STATES GYPSUM CO** — Type SCX, SGX.

**USG BORAL ZAWAWI DRYWALL L L C SFZ** — Type SCX

**USG MEXICO S A DE C V** — Type SCX.

5D. **Gypsum Board\*** — (As an alternate to Item 5) — 5/8 in. thick, 48 in. wide, applied vertically or horizontally. Secured as described in Item 6. For use with Items 1 and 2 only.

**CGC INC** — Type USGX.

**UNITED STATES GYPSUM CO** — Type USGX.

**USG MEXICO S A DE C V** — Type USGX.

5E. **Gypsum Board\*** — (Not Shown) — (As an alternate to Item 5 when used as the base layer on one or both sides of wall when 1/2 in. or 5/8 in thick products are specified, For direct attachment only to steel studs Item 2A, not to be used with Item 3). Nominal 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 (or No. 6 by 1-1/4 in. long bugle head fine drill) steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field.

**NEW ENGLAND LEAD BURNING CO INC, DBA NELCO** — Nelco

5F. **Gypsum Board\*** — (As an alternate to Item 5) — For use with Items 1E and 2E and limited to 1 Hour Rating only, gypsum panels with beveled, square or tapered edges, applied vertically, and fastened to the steel studs with 1 in. long Type S screws spaced 8 in. OC along vertical and bottom edges and 12 in. OC in the field. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Steel stud depth shall be a minimum 3-5/8 in.

**UNITED STATES GYPSUM CO** — 5/8 in. thick Type SCX, SGX.

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**USG BORAL ZAWAWI DRYWALL L L C SFZ** — 5/8 in. thick Type SCX

5G. **Gypsum Board\*** — (As an alternate to Item 5) — For use with Items 1E and 2E only, Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally, as specified in the table below and fastened to the steel studs as described in Item 6. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. The thickness and number of layers for the 2 hr, 3 hr and 4 hr ratings are as follows:

Gypsum Board Protection on Each Side of Wall			
Rating, Hr	Min Stud Depth, in. Item 2E	No. of Layers & Thickness of Panel	Min Thkns of Insulation (Item 4)
2	1-5/8	2 layers, 1/2 in. thick	Optional
2	1-5/8	2 layers, 5/8 in. thick	Optional
3	1-5/8	3 layers, 1/2 in. thick	Optional
3	1-5/8	3 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 1/2 in. thick	Optional

**CGC INC** — 1/2 in. thick Type C, IP-X2 or IPC-AR; 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, or; 3/4 in. thick Types IP-X3 or ULTRACODE

**UNITED STATES GYPSUM CO** — 1/2 in. thick Type C, IP-X2, IPC-AR or; 5/8 in. thick Type SCX, SGX, SHX, IP-X1, AR, C, , FRX-G, IP-AR, IP-X2, IPC-AR; 3/4 in. thick Types IP-X3 or ULTRACODE

**USG BORAL ZAWAWI DRYWALL L L C SFZ** — 1/2 in. Type C; 5/8 in. Types C, SCX

**USG MEXICO S A DE C V** — 1/2 in. thick Type C, IP-X2, IPC-AR or; 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, or; 3/4 in. thick Types IP-X3 or ULTRACODE

5H. **Gypsum Board\*** — (Not Shown) — (As an alternate to Item 5 when used as the base layer on one or both sides of wall when 5/8 or 3/4 in thick products are specified. For direct attachment only to steel studs Item 2A, (not to be used with Item 3) - Nom 5/8 or 3/4 in. may be used as alternate to all 5/8 or 3/4 in. shown in Item 5, Wallboard Protection on Each Side of Wall table. Nom 5/8 or 3/4 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over 20 MSG steel studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Gypsum board secured to 20 MSG steel studs Item 2B with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. For Joint Compound see Item 5. To be used with Lead Batten Strips (see Item 11A) or Lead Discs (see Item 12A).

**MAYCO INDUSTRIES INC** — Type X-Ray Shielded Gypsum

5I. **Gypsum Board\*** — (As an alternate to Item 5) — Nom. 5/8 in. thick gypsum panels with beveled, square or tapered edges installed as described in Item 5. Steel stud minimum depth shall be as indicated in Item 5.

**CGC INC** — Type ULX

**UNITED STATES GYPSUM CO** — Type ULX

**USG MEXICO S A DE C V** — Type ULX

5J. **Gypsum Board\*** — (Not Shown) — (As an alternate to Item 5 when used as the base layer on one or both sides of wall when 1/2 in. or 5/8 in thick products are specified, For direct attachment only to steel studs Item 2A, (not to be used with Item 3). Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws gypsum panel steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and

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(Item 5B) underneath screw locations prior to the installation of the screws. Lead discs or tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".

12A. **Lead Discs** — (Not Shown, for use with Item 5H) Max 5/16 in. diam by max 0.140 in. thick lead discs compression fitted or adhered over steel screw heads. Lead discs to have a purity of 99.9% meeting the Federal Specification QQ-L-201f, Grades "B, C or D".

13. **Lead Batten Strips** — (Not Shown, For Use With Item 5E) Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.142 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 5E) and optional at remaining stud locations.

14. **Lead Tabs** — (Not Shown, For Use With Item 5E) 2 in. wide, 5 in. long with a max thickness of 0.142 in. Tabs friction-fit around front face of stud, the stud folded back flange, and the back face of the stud. Tabs required at each location where a screw (that secures the gypsum boards, Item 5E) will penetrate the steel stud. Lead tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead tabs may be held in place with standard adhesive tape if necessary.

\* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

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8. **Joint Tape and Compound** — Vinyl or caseln, dry or premixed joint compound applied in two coats to joints and screw heads of outer layers. Paper tape, nom 2 in. wide, embedded in first layer of compound over all joints of outer layer panels. Paper tape and joint compound may be omitted when gypsum panels are supplied with a square edge.

9. **Siding, Brick or Stucco** — (Optional, Not Shown) — Aluminum, vinyl or steel siding, brick veneer or stucco, meeting the requirements of local code agencies, installed over gypsum panels. Brick veneer attached to studs with corrugated metal wall ties attached to each stud with steel screws, not more than each sixth course of brick.

10. **Caulking and Sealants\*** — (Optional, Not Shown) — A bead of acoustical sealant applied around the partition perimeter for sound control.

**UNITED STATES GYPSUM CO** — Type AS

11. **Lead Batten Strips** — (Not Shown, For Use With Item 5B) — Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.125 in. Strips placed on the interior face of studs and attached from the exterior face of the stud with two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 5B) and optional at remaining stud locations. Required behind vertical joints.

11A. **Lead Batten Strips** — (Not Shown, For Use With Item 5H) Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.140 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grades "B, C or D". Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations.

12. **Lead Discs or Tabs** — (Not Shown, For Use With Item 5B) — Used in lieu of or in addition to the lead batten strips (Item 11) or optional at other locations - Max 3/4 in. diam by max 0.125 in. thick lead discs compression fitted or adhered over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum boards

10/11

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1	03/16/2021			

HANGAR REPLACEMENT  
3001 EARHART DRIVE  
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UL DESIGNS

Project Number: 181261

Date: 02-05-2021

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Sheet #

G-104

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CONSTRUCTION SET



A

B



D



## CONSTRUCTION SET







FOOTING SCHEDULE		
MARK	L x W x D	REINFORCING
F72	6'-0" x 6'-0" x 2'-0"	7 - #6 EACH WAY, TOP & BOTTOM
F84	7'-0" x 7'-0" x 2'-0"	8 - #6 EACH WAY, TOP & BOTTOM
F84A	7'-0" x 7'-0" x 1'-6"	8 - #6 EACH WAY, TOP & BOTTOM

 ← INDICATES NEW CONCRETE  
 ← INDICATES EXISTING CONCRETE TO REMAIN

**NOTE:**  
DEMO EXISTING SLAB AS REQUIRED FOR NEW FOOTING AND NEW CONCRETE FILL. DEMO EXISTING CONCRETE COLUMN PEDESTAL AND EXISTING FOOTING.

— NEW 5" CONCRETE SLAB w/ AIR-ENTRAINMENT (5%±)  
w/12"x12" TURNDOWN & W.W.R. 4x4-W2.9xW2.9  
(OCCURS IN 3 LOCATIONS, COORDINATE WITH ARCH)

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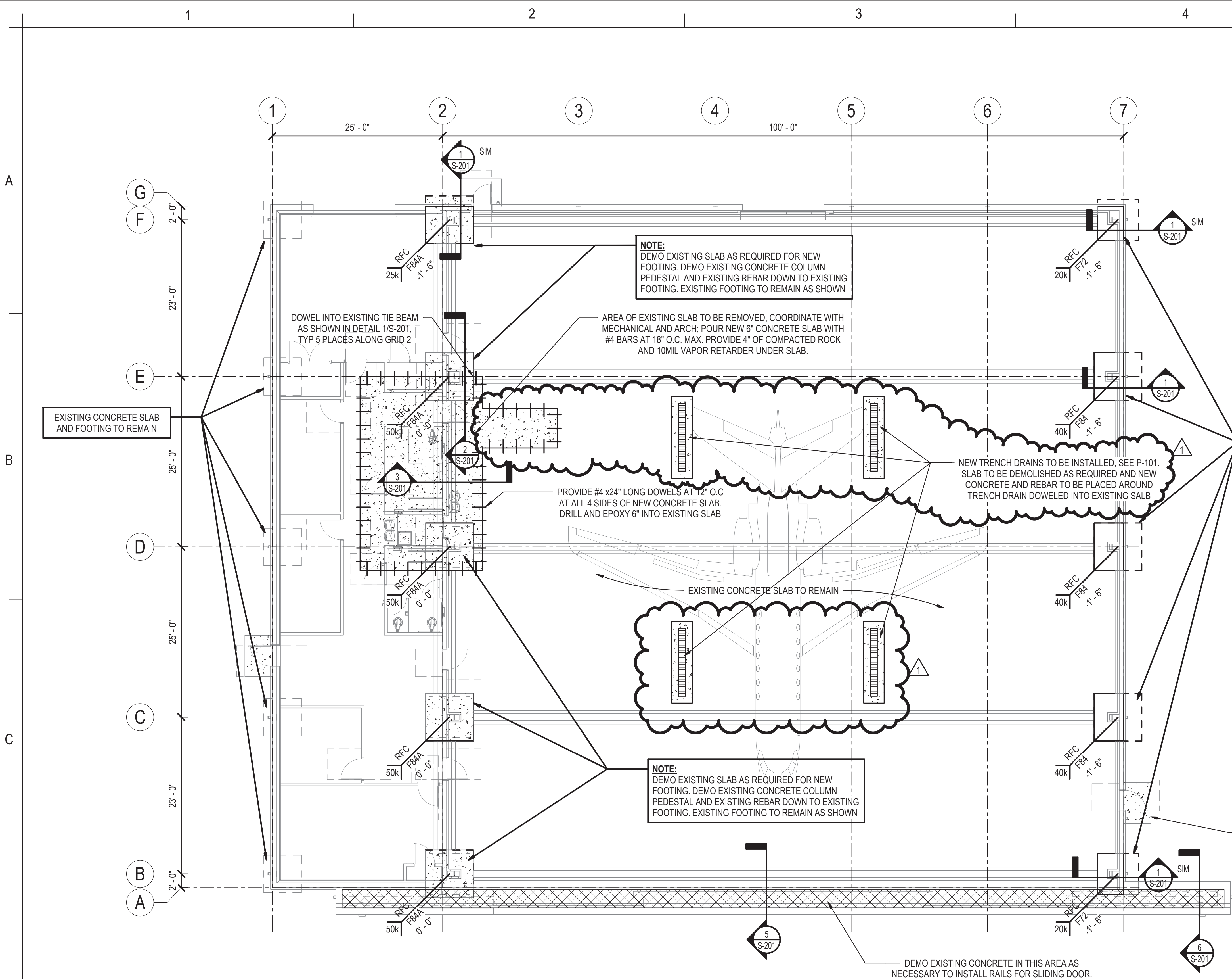
## FOUNDATION AND SLAB PLAN

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CONSTRUCTION SET

Project Number:	181261
Date:	02-05-2021
Scale:	AS NOTED
Sheet #	S-101

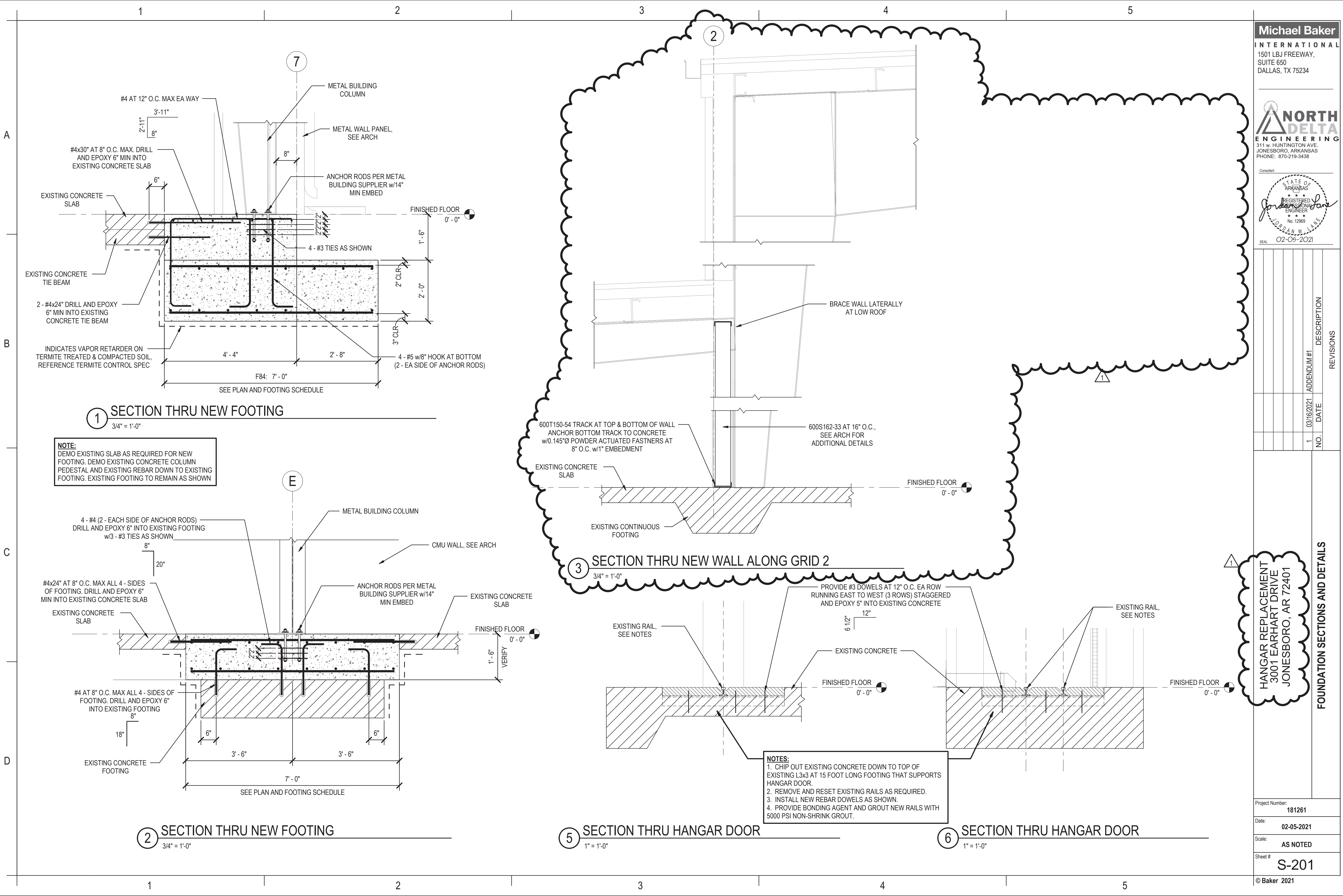
PLAN  
NORTH



1 FOUNDATION AND SLAB PLAN  
1/8" = 1'-0"

$$1/8'' = 1'-0''$$





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**NORTH  
DELTA**  
ENGINEERING

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JONESBORO, ARKANSAS  
PHONE: 870-219-3438

Consultant  
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ARKANSAS  
REGISTERED  
PROFESSIONAL  
ENGINEER  
JORDAN W. LAINE  
No. 12969  
SEAL 02-05-2021

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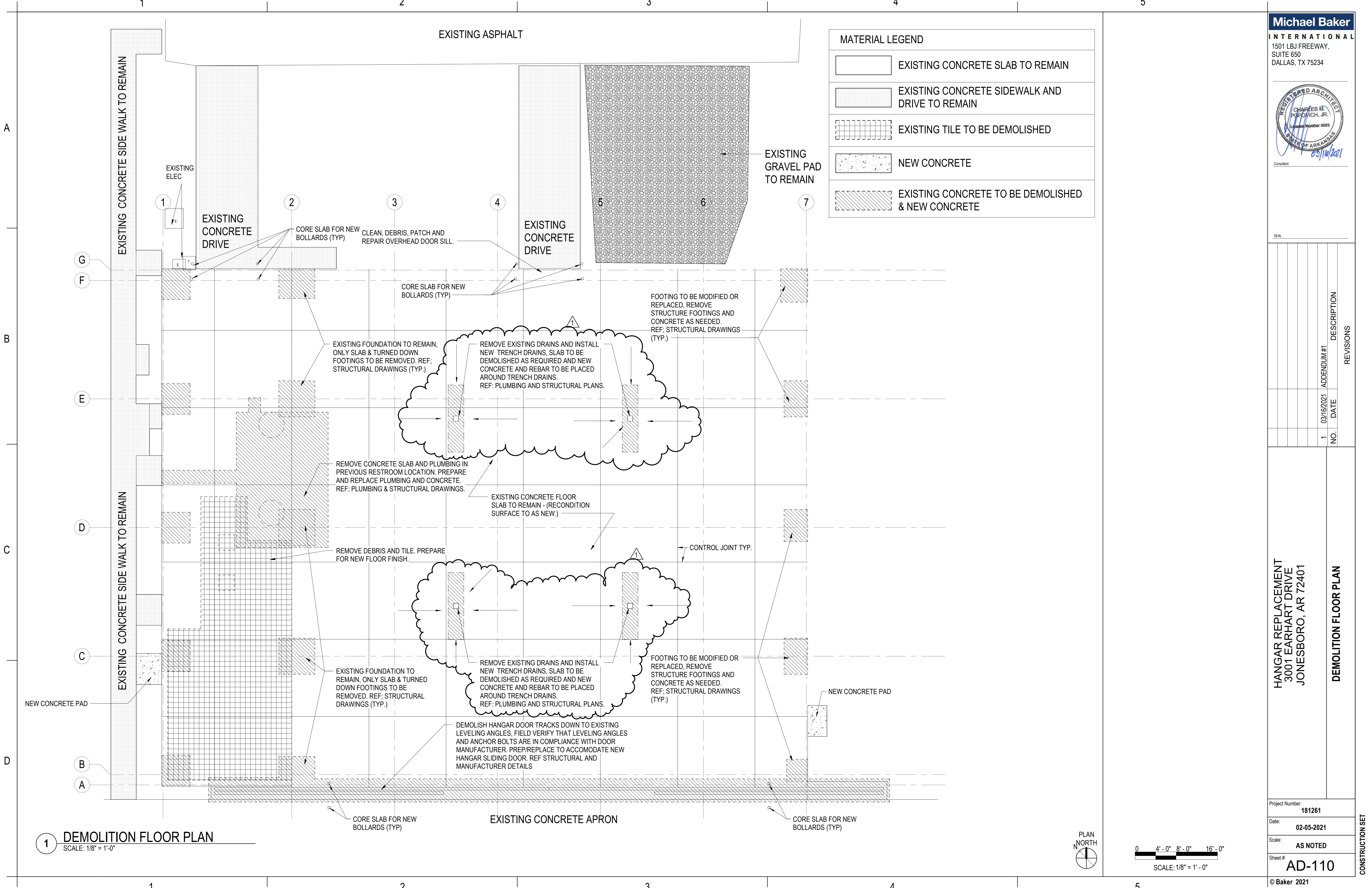
FOUNDATION SECTIONS AND DETAILS

Project Number: 181261  
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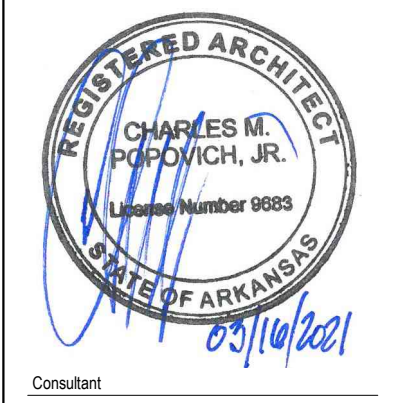
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DEMOLITION FLOOR PLAN

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CONSTRUCTION SET



[illegible]

# OVERALL SITE PLAN

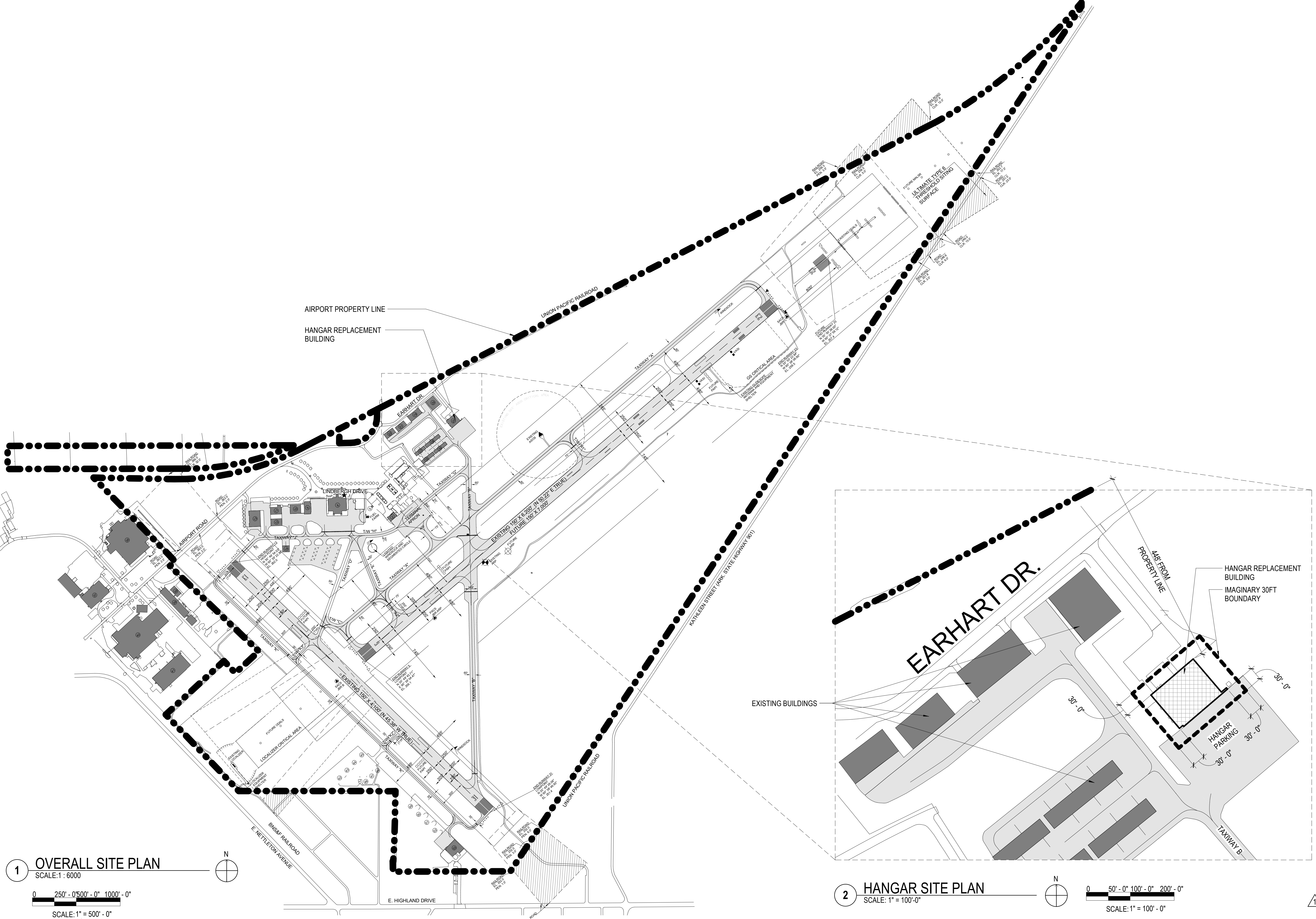
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Sheet # AS100

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## CONSTRUCTION SET





A

B

C

D

1

2

3

4

5

EXISTING CHAIN LINK FENCE

EXISTING ELEC

EXISTING GREASE TRAP

GC TO VERIFY LOCATION WITH  
EXISTING SIDEWALK, ADD NEW  
CONCRETE AS NEEDED TO MEET  
ADA REQUIREMENTS

EXISTING  
GRATE INLET

SLOPE FLOOR TO 1/8" / 1'-0" SCUPPER  
AND PROVIDE SLOT @ TRACK TO DRAIN

NEW CONCRETE SPLASH BLOCK TYP.

EXPANSION JOINT SEALANT & BACKER ROD

DRAINAGE THROUGH  
WALL SCUPPER

EXISTING CONCRETE SIDE WALK

FIRE RISER  
MECH AHU

EXISTING  
CONCRETE  
DRIVE

EXISTING ASPHALT

EXISTING 12"  
PVC

EXISTING  
CONCRETE  
DRIVE

EXISTING  
GRAVEL  
PAD

EXISTING CONCRETE SLAB RO REMAIN.  
PREFINISH AS REQUIRED

4" PAINTED YELLOW  
STRIPING PATH OF  
EGRESS LINE  
CONTINUOUS  
(NO AIRCRAFT  
BEYOND THIS  
POINT)

NEW CONCRETE REF;  
STRUCTURAL DRAWINGS

FALCON 50

NEW CONCRETE SLAB INFILL  
AREA, SHOWN DASHED (TYP)  
REFERENCE STRUCTURAL  
DRAWINGS

NEW CONCRETE SPLASH BLOCK TYP.

4" PAINTED YELLOW  
STRIPING PATH OF  
EGRESS LINE  
CONTINUOUS  
(NO AIRCRAFT  
BEYOND THIS  
POINT)

REFER TO STRUCTURAL DRAWINGS  
FOR NEW CONCRETE WORK AND DOOR  
TRACKS


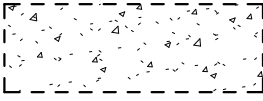
SLOPE FLOOR TO 1/8" / 1'-0"  
SCUPPER AND PROVIDE SLOT  
@ TRACK TO DRAIN

DRAINAGE THROUGH WALL  
SCUPPER

EXPANSION JOINT  
SEALANT & BACKER ROD

1 SITE PLAN  
SCALE: 1/8" = 1'-0"

MATERIAL LEGEND

	EXISTING CONCRETE SLAB TO REMAIN
	NEW CONCRETE REF; STRUCTURAL AND DEMOLITION DRAWINGS

NOTES:

1. PROVIDE NEW CONCRETE AS NEEDED FOR  
INSTALLATION OF BOLLARDS, DRAINS, PIPING, AND  
MISC. REFERENCE OTHER DISCIPLINES FOR MORE  
INFORMATION.

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JONESBORO, AR 72401

ARCHITECTURAL - SITE PLAN

Project Number:  
181261

Date:  
02-05-2021

Scale:  
AS NOTED

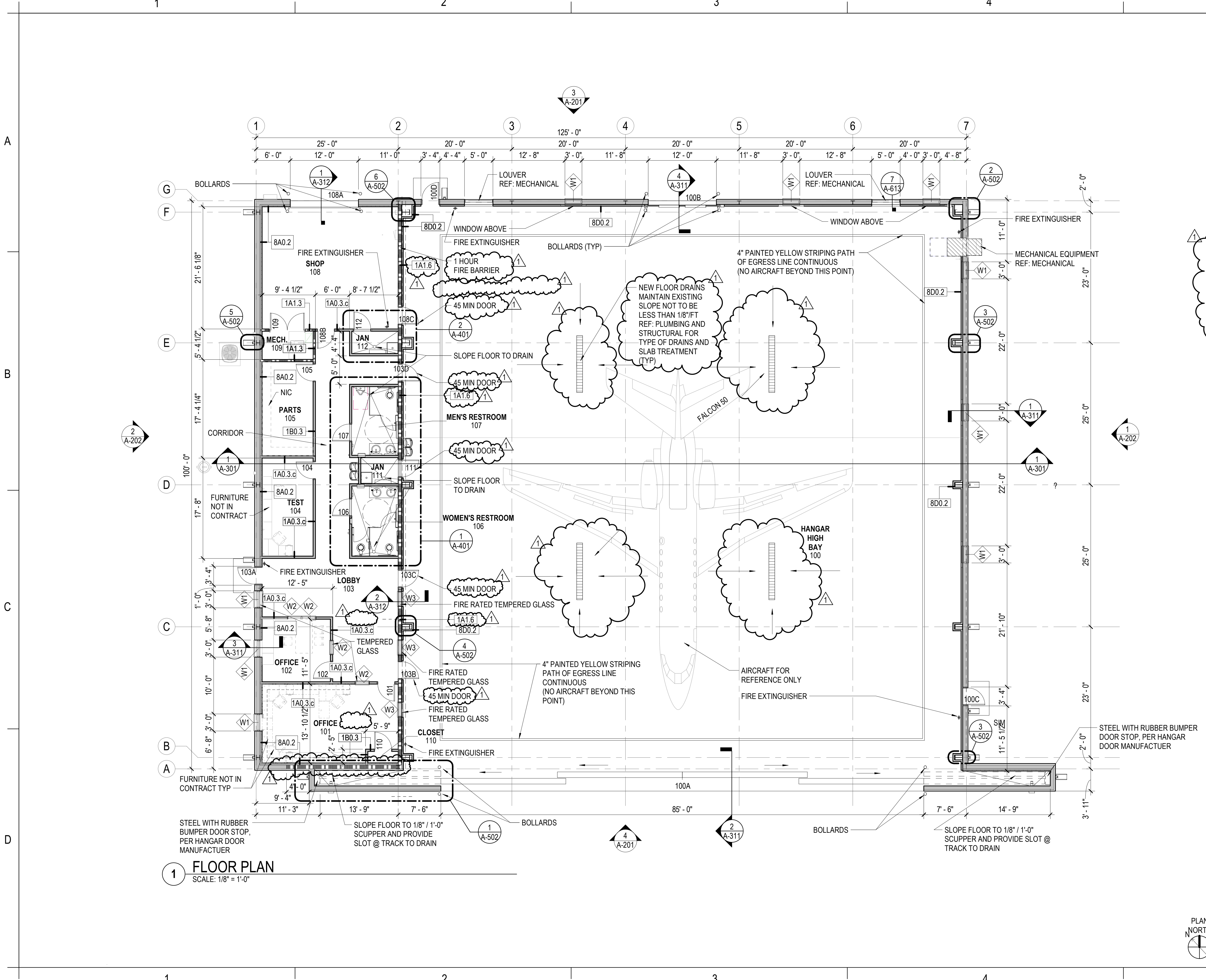
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AS-101

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CONSTRUCTION SET



A  
B  
C  
D



**1 FLOOR PLAN**  
SCALE: 1/8" = 1'-0"

**FLOOR PLAN - NOTES**

- 1 REFER TO SHEET A-001 FOR ARCHITECTURAL GENERAL NOTES, & ANNOTATION LEGEND.
- 2 REFER TO A-400 SERIES ENLARGED PLANS AND INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION.
- 3 REFER TO SHEET A-601 FOR PARTITION TYPES
- 4 REFER TO SHEET A-602 FOR SIGN TYPES, DETAILS, AND SHEDULE
- 5 RESTROOM WALLS AND CEILINGS TO RECEIVE SOUND BATT INSULATION
- 6 REFER TO MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION SHEETS FOR EQUIPMENT LOCATIONS AND REQUIREMENTS.
- 7 DIMENSIONS MARKED AS "CLEAR" DICTATES THE CLEAR DIMENSION FROM FINISH TO FINISH
- 8 WHERE FIRE RATED PARTITIONS INTERSECT WITH LESSER RATED PARTITIONS OR NON-RATED PARTITIONS, THE HIGHER RATED PARTITION IS TO CONTINUE THROUGH THE INTERSECTION TO MAINTAIN THE HIGHER RATING

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03/16/2021  
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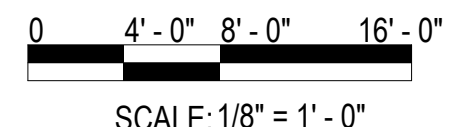
ADDENDUM #1	DESCRIPTION

**HANGAR REPLACEMENT  
3001 EARTHART DRIVE  
JONESBORO, AR 72401**

**FLOOR PLAN**

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Date: **02-05-2021**  
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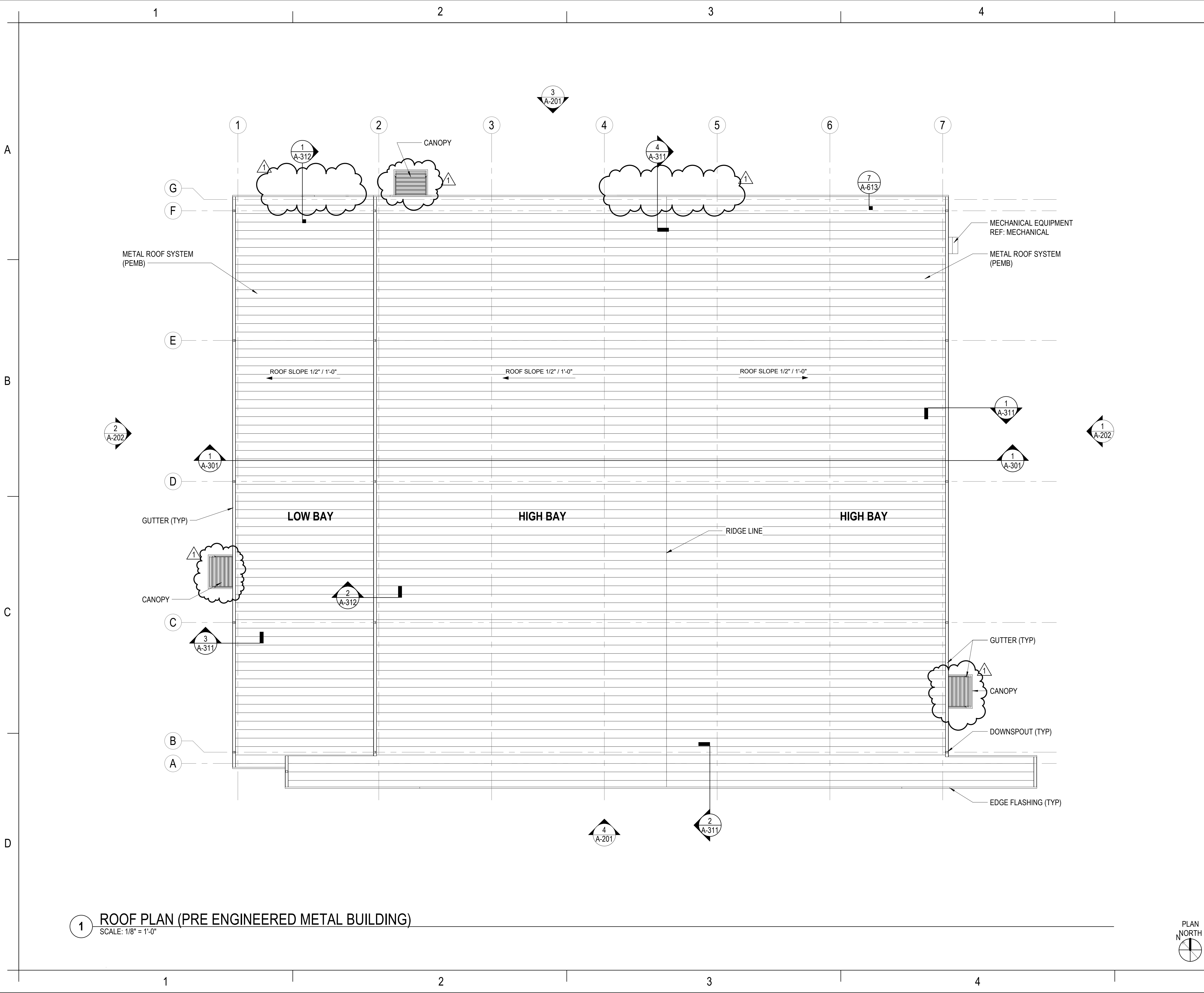
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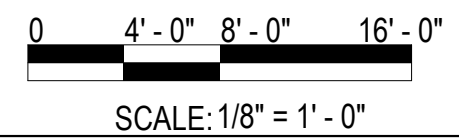
SCALE: 1/8" = 1'-0"

CONSTRUCTION SET





1 ROOF PLAN (PRE ENGINEERED METAL BUILDING)  
SCALE: 1/8" = 1'-0"

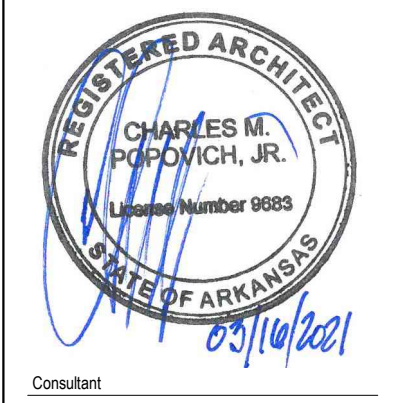


SCALE: 1/8" = 1' - 0"

ROOF PLAN - NOTES

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ROOF PLAN

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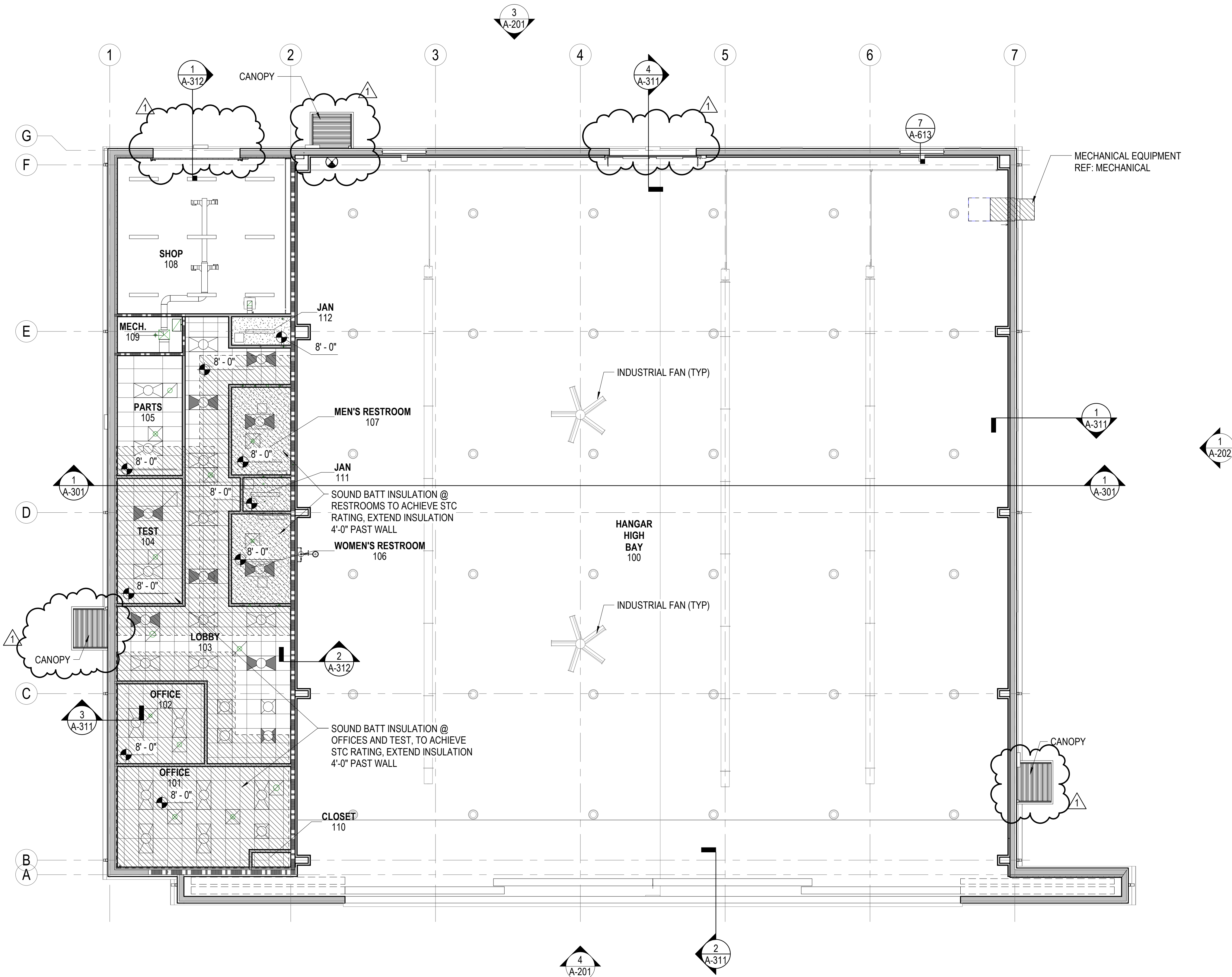


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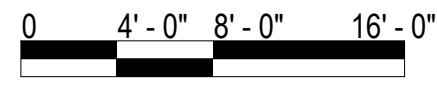
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D



# 1 REFLECTED CEILING PLAN

SCALE: 1/8" = 1'-0"



SCALE: 1/8" = 1'-0"

## NOTES - RCP

- 1 ALL ELEVATIONS ARE ABOVE FINISHED FLOOR.
- 2 REFER TO ELECTRICAL DRAWINGS FOR POWER AND LIGHTING INFORMATION
- 3 REFER TO MECHANICAL DRAWINGS FOR VENTILATION AND HEATING VENTILATION AND AIR CONDITIONING INFORMATION
- 4 ALL CEILING GRIDS TO BE CENTERED IN ROOMS - TYPICAL UNLESS NOTED OR DIMENSIONED OTHERWISE
- 5 LIGHT FIXTURES IN GWB CEILINGS SHALL BE CENTERED IN ROOMS - REF; ELECTRICAL DRAWINGS FOR LOCATION.
- 6 ALL EXPOSED DUCTWORK, PIPES, CONDUIT AND STRUCTURE SHALL BE CLEAN AND FREE OF ANY MANUFACTURER OR CONSTRUCTION DEFECTS
- 7 THE SUSPENDED CEILING SYSTEM, MECHANICAL DUCTWORK AND LIGHTING FIXTURES SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE ABOVE

## RCP LEGEND

- 2x2' ACOUSTICAL CEILING PANEL
- 2x4' ACOUSTICAL CEILING PANEL
- PAINTED GYPSUM WALLBOARD CEILING
- PAINTED EXPOSED STRUCTURE
- TELEVISION SEE E-SERIES
- MECHANICAL DIFFUSER SEE M-SERIES
- MECHANICAL GRILLE SEE M-SERIES
- MECHANICAL FIXTURE SEE M-SERIES
- LIGHTING FIXTURES SEE E-SERIES
- ILLUMINATED EXIT SIGN SEE E-SERIES
- SECURITY CAMERA SEE E-SERIES
- PENDANT LIGHTS
- SOUND BATT INSULATION

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REFLECTED CEILING PLAN

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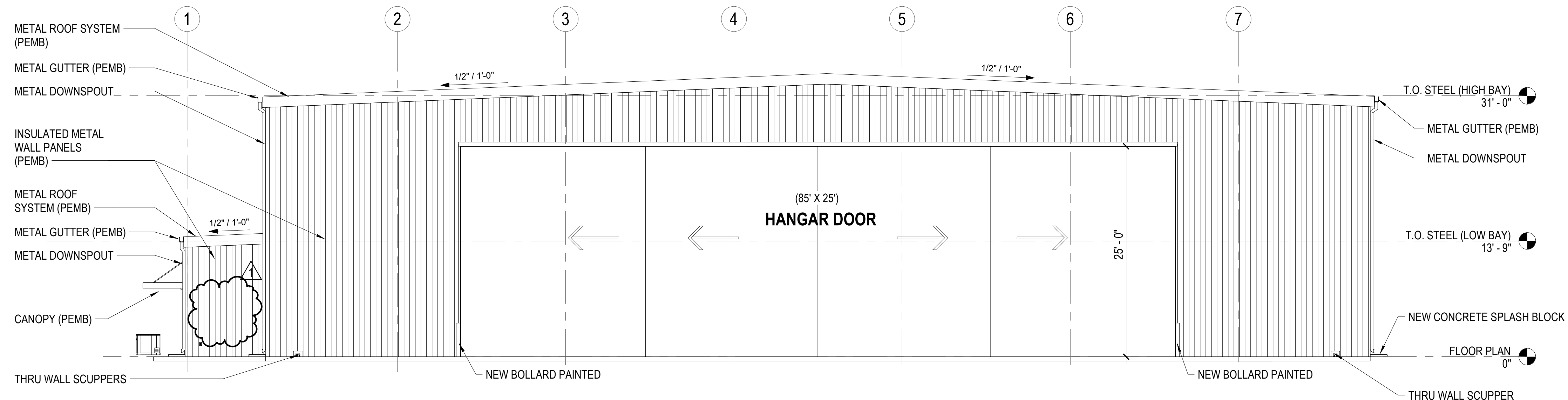


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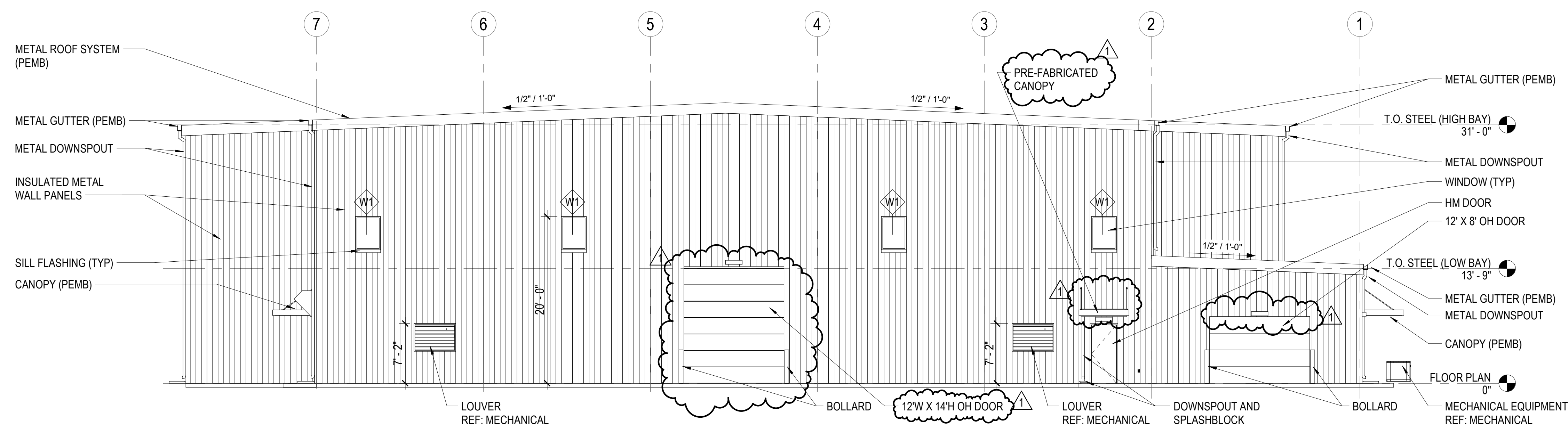
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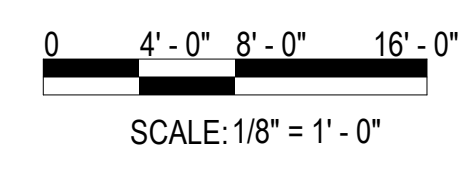
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**4 SOUTH ELEVATION**  
SCALE: 1/8" = 1'-0" REF: A-110



**3 NORTH ELEVATION**  
SCALE: 1/8" = 1'-0" REF: A-110



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EXTERIOR ELEVATIONS

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Scale:  
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**A-201**

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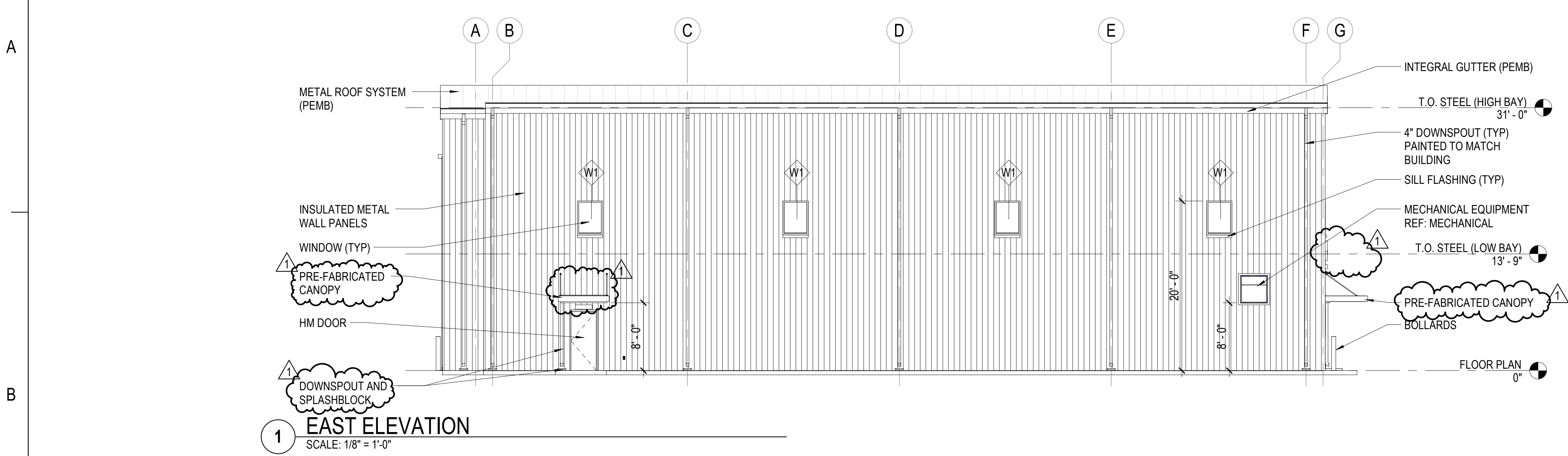


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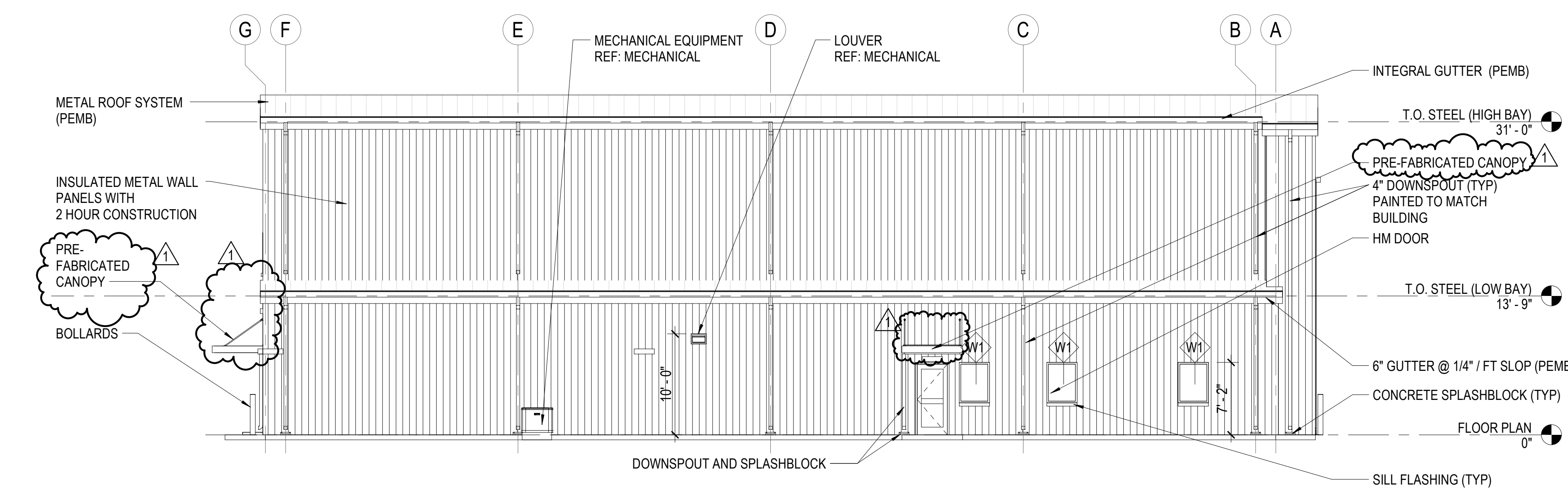
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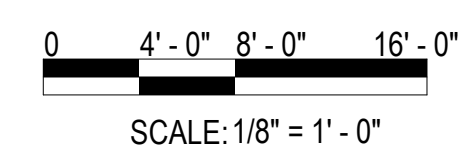
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1 EAST ELEVATION  
SCALE: 1/8" = 1'-0"



2 WEST ELEVATION  
SCALE: 1/8" = 1'-0"



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EXTERIOR ELEVATIONS

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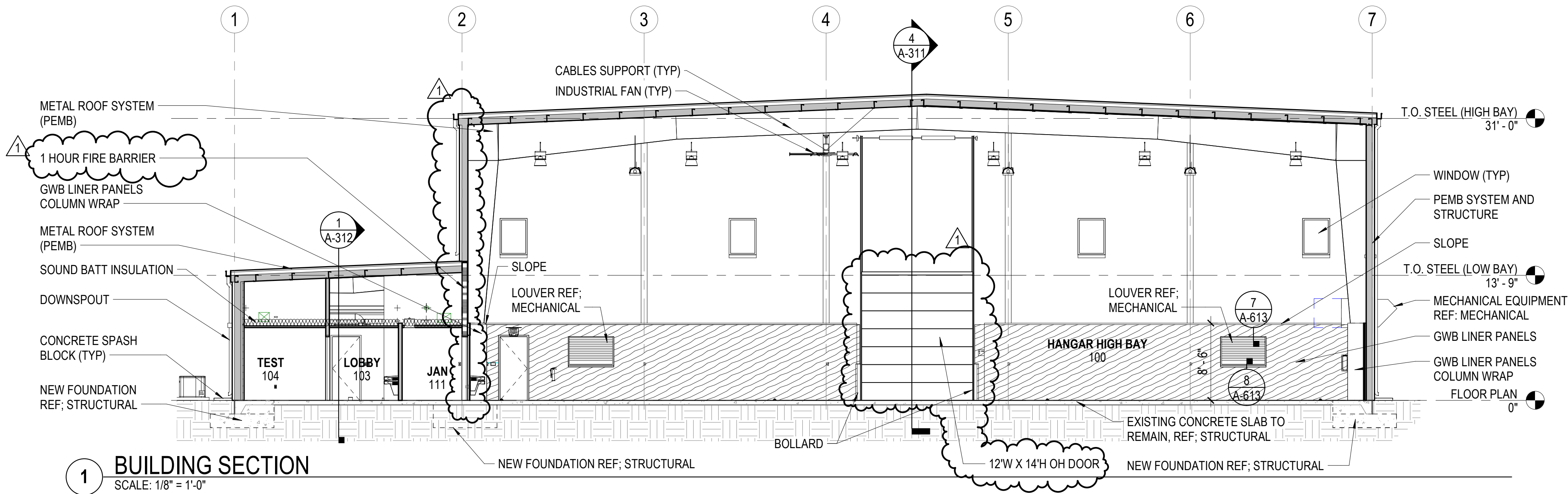


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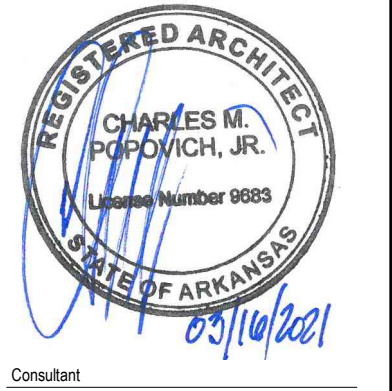
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KEYNOTES

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HANGAR REPLACEMENT  
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BUILDING SECTIONS

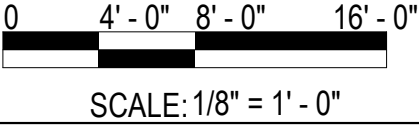
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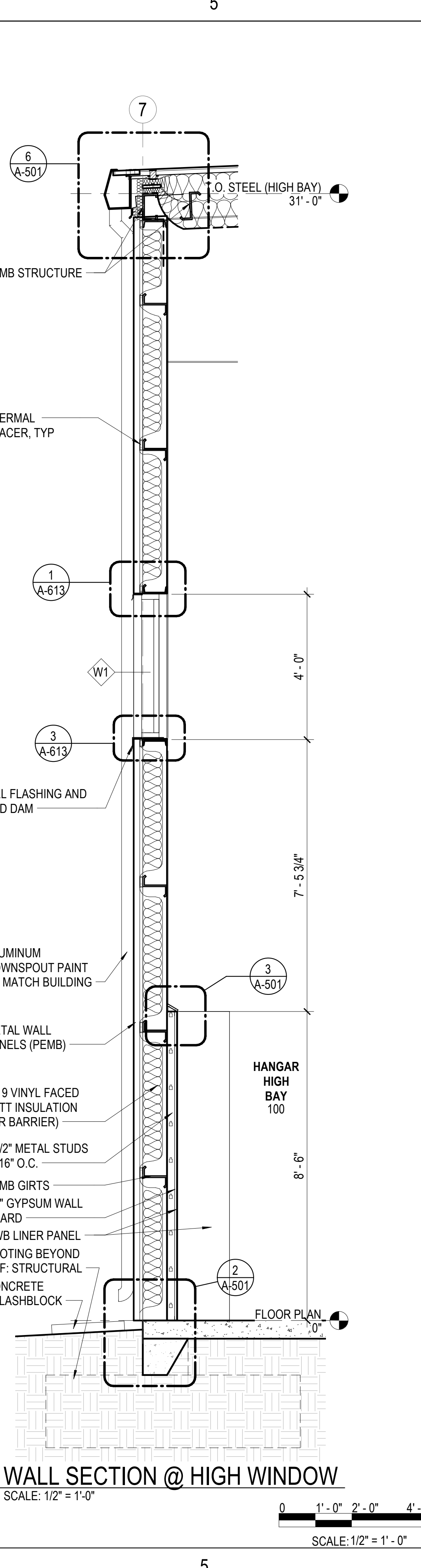
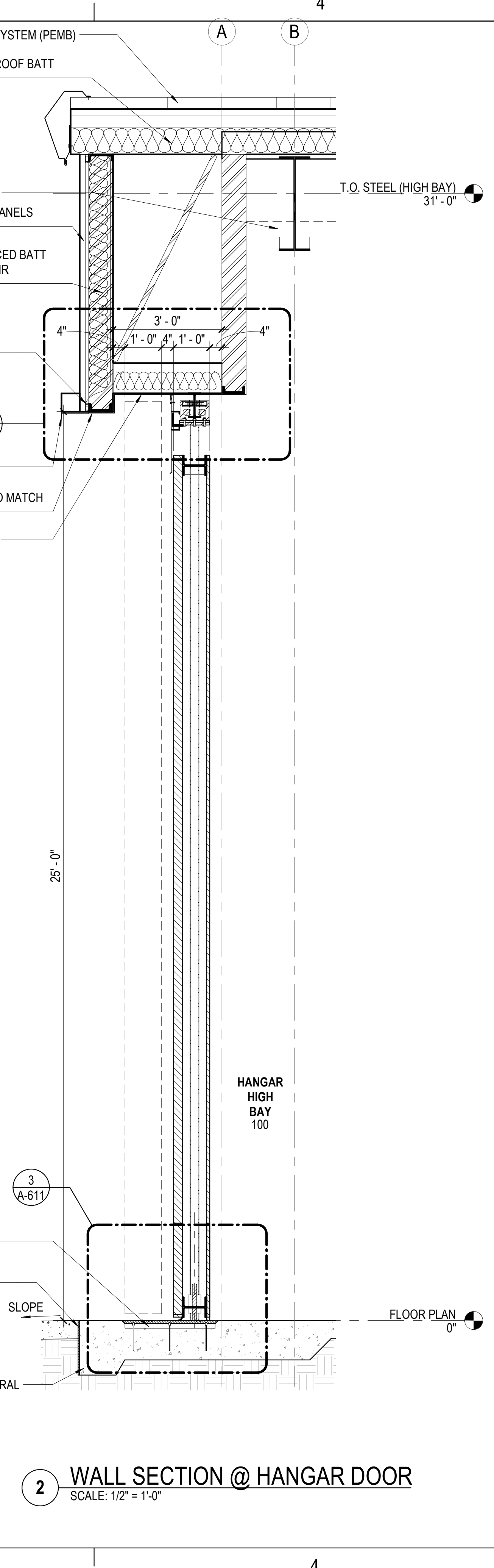
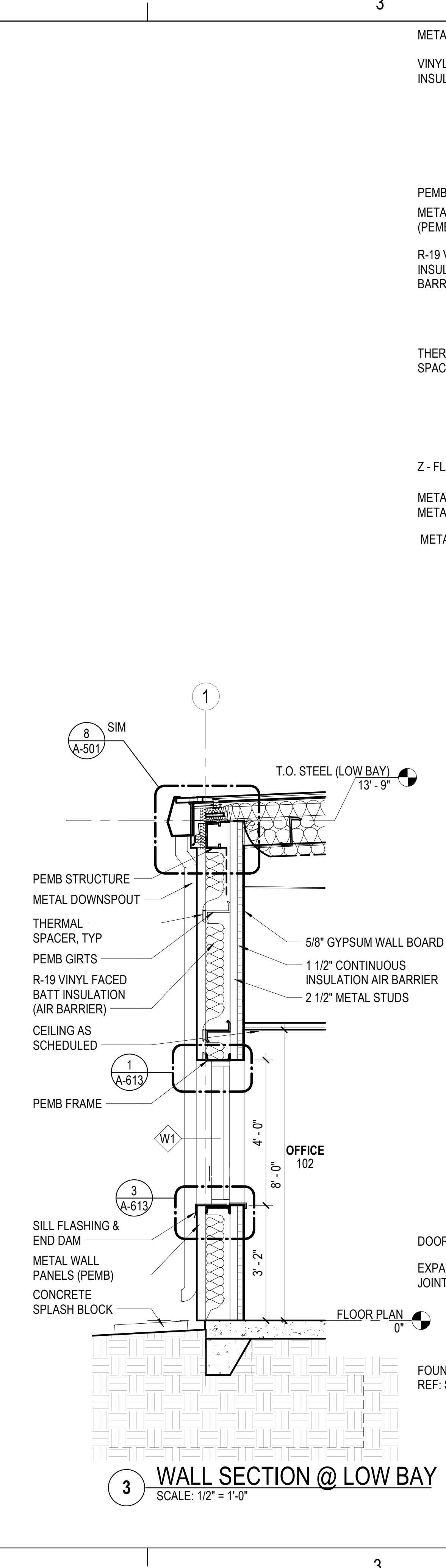
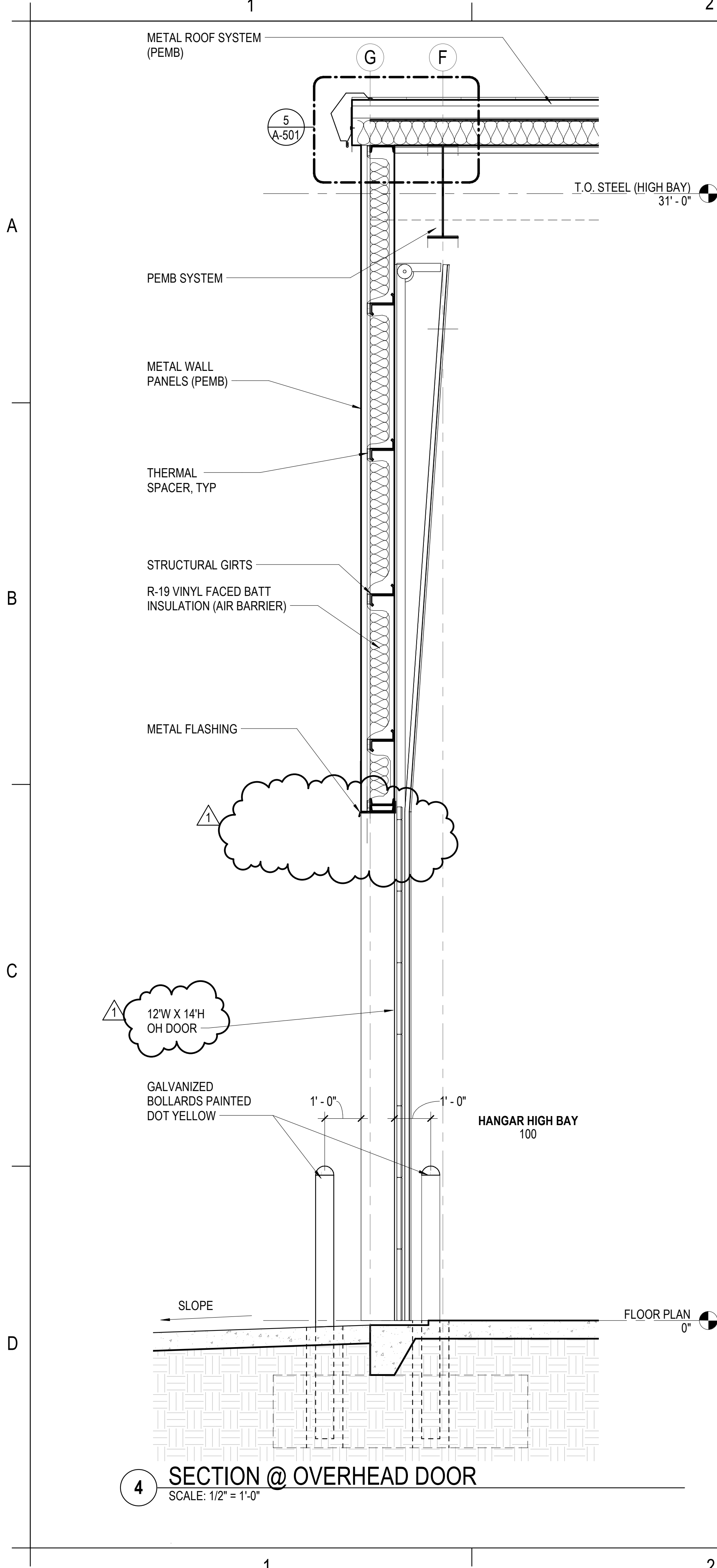
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SCALE: 1/8" = 1' - 0"

CONSTRUCTION SET





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HANGAR REPLACEMENT  
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WALL SECTIONS

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HANGAR REPLACEMENT  
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## WALL SECTIONS

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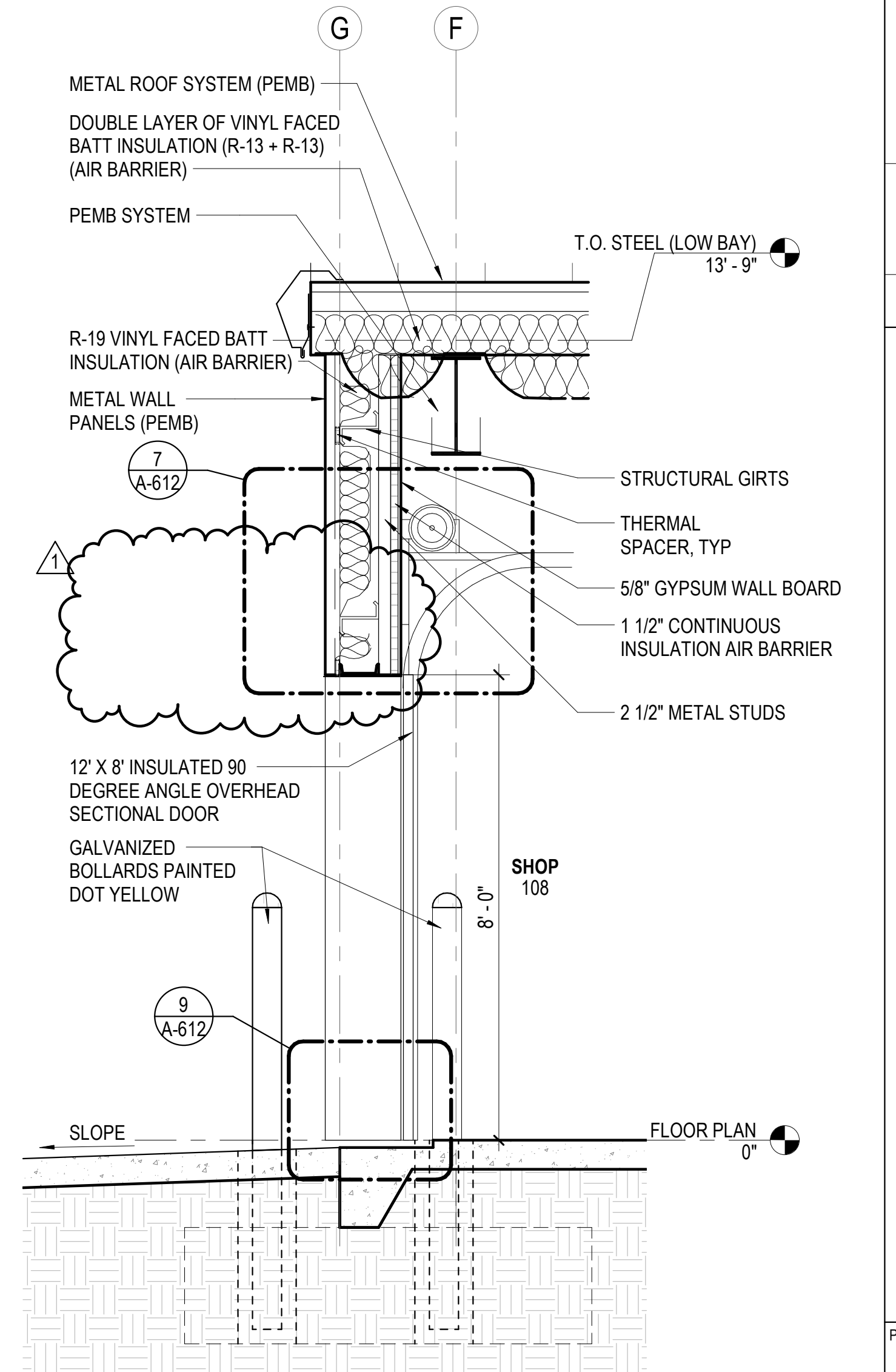
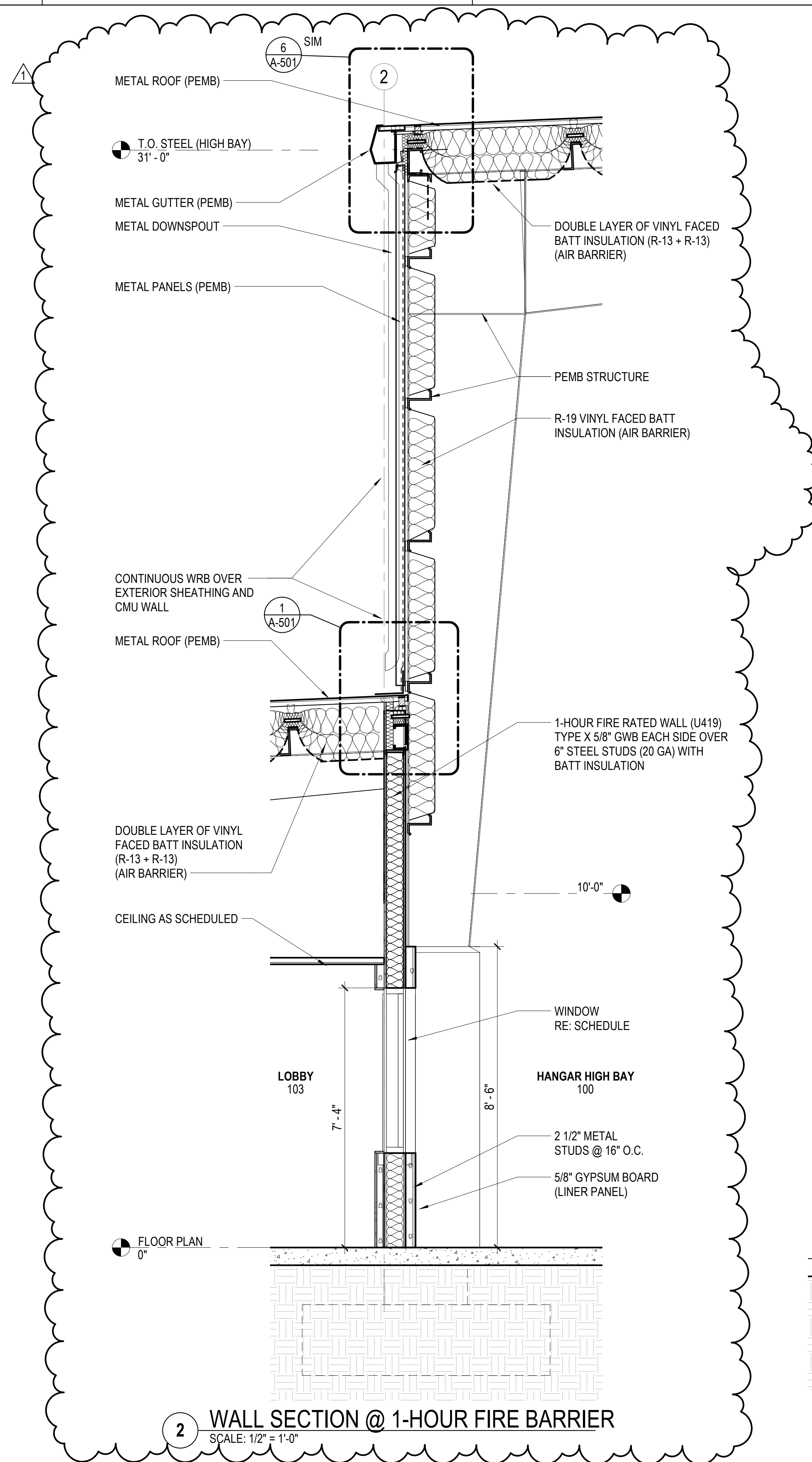
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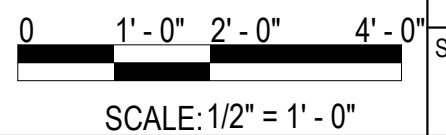
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## CONSTRUCTION SET



1 WALL SECTION AT OH DOOR  
SCALE: 1/2" = 1'-0"









A

B

C

D

NOTES:

1. PROVIDE GALVANIC PROTECTION PER MANUFACTURER'S DETAIL, FOR ALL CONNECTIONS AND ADJACENCIES BETWEEN DISSIMILAR METALS.
2. PROVIDE HARDWARE, STRUCTURAL CONNECTIONS, AND SEALANTS, PER MANUF. DETAILS.

EXT. ALUM. 8" STYLE FASCIA

OVERALL HANGER ROD LENGTH PER MANUF. RECOMMENDATION

4' - 0"

6" - 14"

HANGER ROD HEIGHT PER MANUF. RECOMMENDATION

THRU EYEBOLT

EXTERIOR WALL, ADDITIONAL BLOCKING AND BRACING AT CANOPY CONNECTION POINTS TO ADEQUATELY HANDLE CANOPY LOADS

FORMED ALUM. DECKING

GUTTER AND DOWNSPOUT

4 PRE-FABRICATED CANOPY SECTION

SCALE: 1 1/2" = 1'-0"

DOWNSPOUT WHERE OCCURS

METAL WALL PANELS (PEMB)

FLASHING WITH DRIP EDGE AND COUNTERFLASHING PER MANUFACTURER'S RECOMMENDATION

METAL ROOF PEMB

THERMAL BLOCK, ATTACH TO PEMB STRUCTURE PER MANUF. DETAIL

(PEMB) ROOF PURLIN CONNECTION TO HIGH BAY STRUCTURE

DOUBLE LAYER OF VINYL FACED BATT INSULATION (R-13 + R-13) (AIR BARRIER)

8" MIN

R-19 VINYL FACED BATT INSULATION (AIR BARRIER)

PEMB STRUCTURE

THERMAL SPACER

FIRE RATED SEALANT BOTH SIDES

1-HOUR FIRE RATED WALL (U419) TYPE X 5/8" GWB EACH SIDE OVER 6" STEEL STUDS (20 GA) WITH BATT INSULATION

T.O. STEEL (LOW BAY) 13' - 9"

13' - 9"

1

LOW TO HIGH ROOF TRANSITION DETAIL

SCALE: 1 1/2" = 1'-0"

METAL ROOF PEMB

DOUBLE LAYER OF VINYL FACED BATT INSULATION (R-13 + R-13) (AIR BARRIER)

CLOSURE STRIP, TYP

GUTTER STRAP

THERMAL BLOCK, ATTACH TO PEMB STRUCTURE PER MANUF. DETAIL

METAL GUTTER

(PEMB) EAVE STRUT

AIR BARRIER TO WRAP AROUND EAVE STRUT

METAL TRIM

METAL DOWNSPOUT

OUTSIDE CLOSURE, PER MANUFACTURER DETAIL

METAL FLASHING

SEALANT

THERMAL SPACER, TYP

METAL WALL PANELS (PEMB)

R-19 VINYL FACED BATT INSULATION (AIR BARRIER)

5/8" GYPSUM WALL BOARD (LINER PANEL)

2 1/2" METAL STUDS @ 16" O.C.

METAL STUD HEADER

METAL CORNER BEAD

SLOPED 5/8" GYPSUM WALL BOARD OVER BLOCKING

VINYL FACE, AIR BARRIER

8'-6" AFF

31' - 0"

T.O. STEEL (HIGH BAY)

6

EAVE DETAIL AT PEMB

SCALE: 1 1/2" = 1'-0"

METAL ROOF PEMB

DOUBLE LAYER OF VINYL FACED BATT INSULATION (R-13 + R-13) (AIR BARRIER)

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VINYL FACE, AIR BARRIER

8'-6" AFF

31' - 0"

T.O. STEEL (HIGH BAY)

7

TOP OF LINER PANEL WALL DETAIL

SCALE: 3" = 1'-0"

DOUBLE LAYER OF VINYL FACED BATT INSULATION (R-13 + R-13) (AIR BARRIER)

METAL ROOF PEMB

RAKE TRIM

END CLOSURE, PER MANUF. DETAIL

THERMAL SPACER, TYP

PEMB STRUCTURE

VINYL FACE AIR BARRIER

7

WALL RAKE DETAIL

SCALE: 1 1/2" = 1'-0"

DOUBLE LAYER OF VINYL FACED BATT INSULATION (R-13 + R-13) (AIR BARRIER)

METAL ROOF PEMB

RAKE TRIM

END CLOSURE, PER MANUF. DETAIL

THERMAL SPACER, TYP

PEMB STRUCTURE

VINYL FACE AIR BARRIER

7

WALL BASE DETAIL

SCALE: 1 1/2" = 1'-0"

DOUBLE LAYER OF VINYL FACED BATT INSULATION (R-13 + R-13) (AIR BARRIER)

METAL ROOF PEMB

RAKE TRIM

END CLOSURE, PER MANUF. DETAIL

THERMAL SPACER, TYP

PEMB STRUCTURE

VINYL FACE AIR BARRIER

7

WALL BASE DETAIL

SCALE: 1 1/2" = 1'-0"

DOUBLE LAYER OF VINYL FACED BATT INSULATION (R-13 + R-13) (AIR BARRIER)

METAL ROOF PEMB

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END CLOSURE, PER MANUF. DETAIL

THERMAL SPACER, TYP

PEMB STRUCTURE

VINYL FACE AIR BARRIER

7

WALL BASE DETAIL

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THERMAL SPACER, TYP

PEMB STRUCTURE

VINYL FACE AIR BARRIER

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RAKE TRIM

END CLOSURE, PER MANUF. DETAIL

THERMAL SPACER, TYP

PEMB STRUCTURE





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CCAU

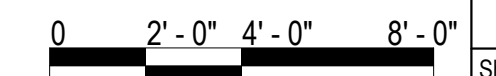
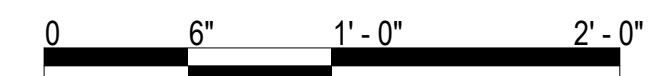
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HANGAR REPLACEMENT  
3001 EARHART DRIVE  
JONESBORO, AR 72401

DETAIL PLAN VIEWS

## DETAIL PLAN VIEWS

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## CONSTRUCTION SET

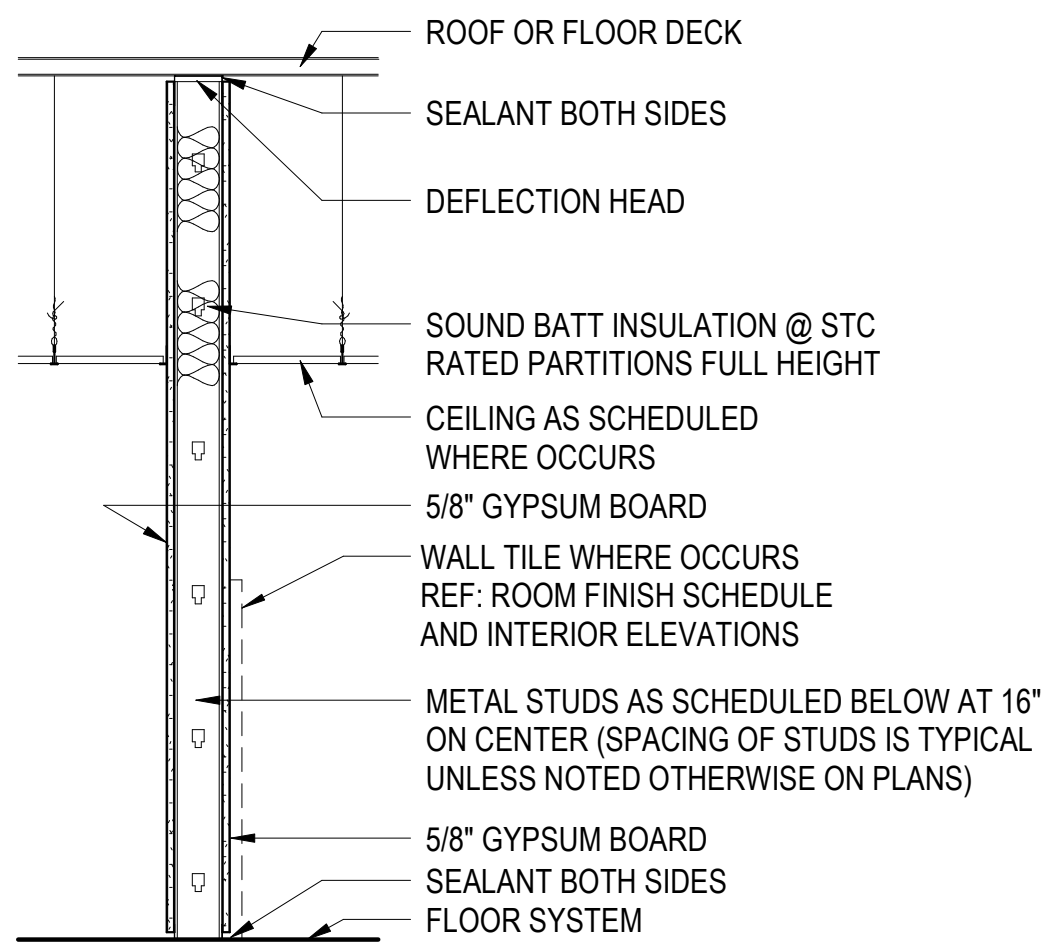


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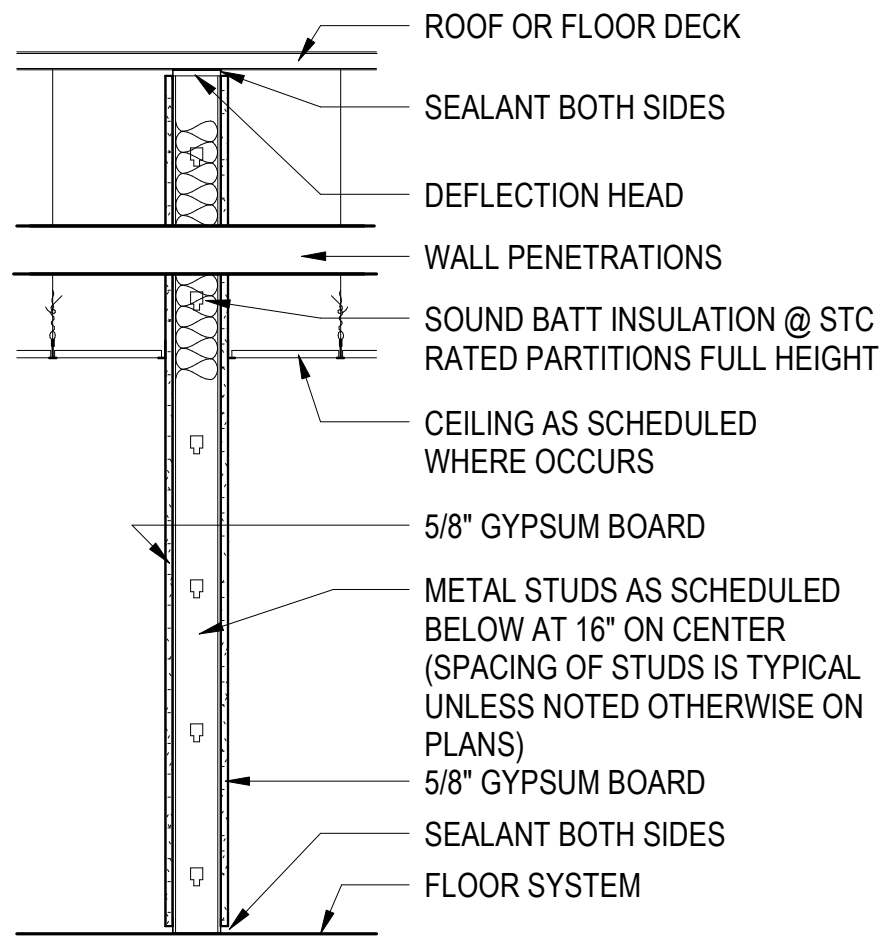
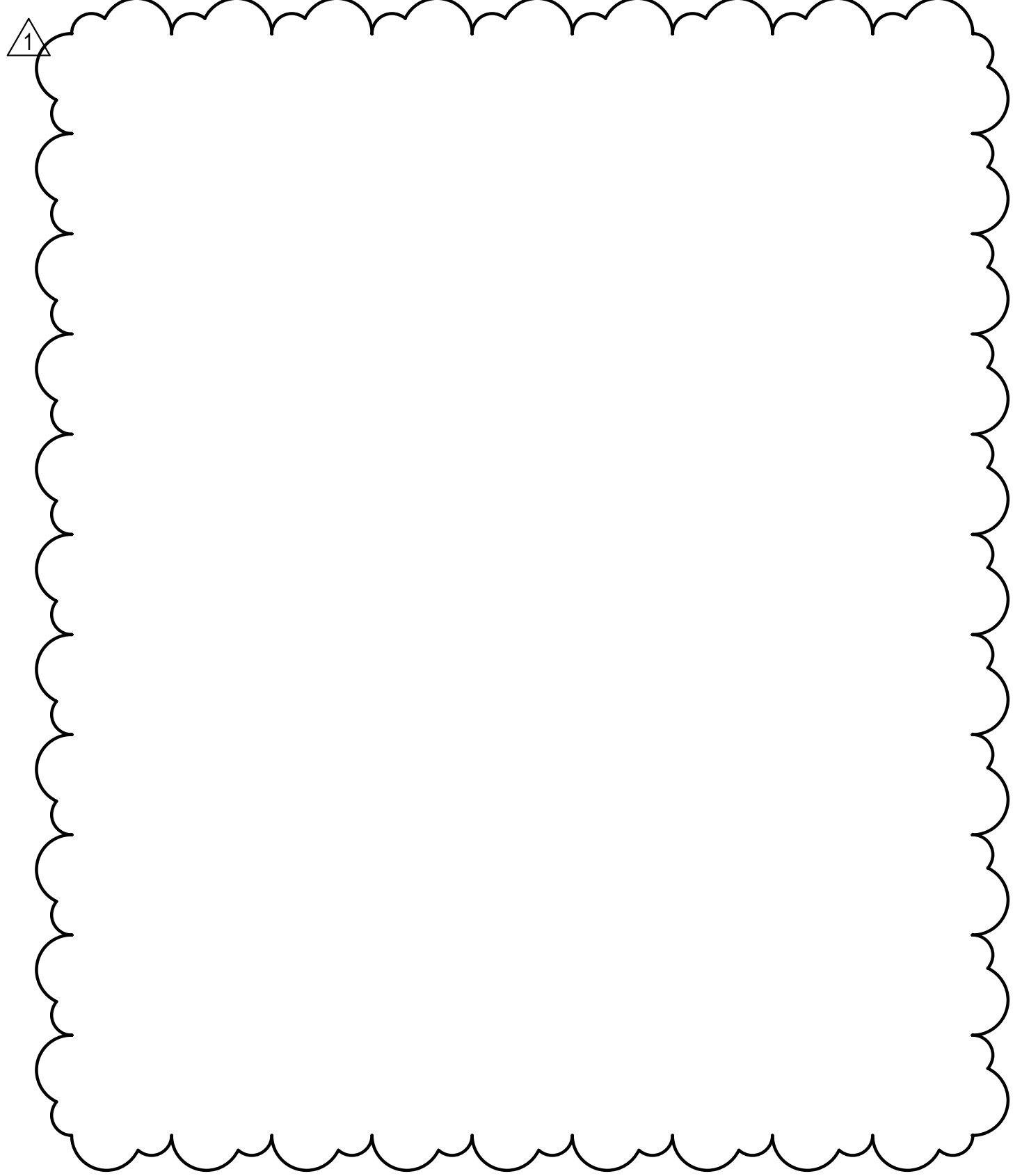
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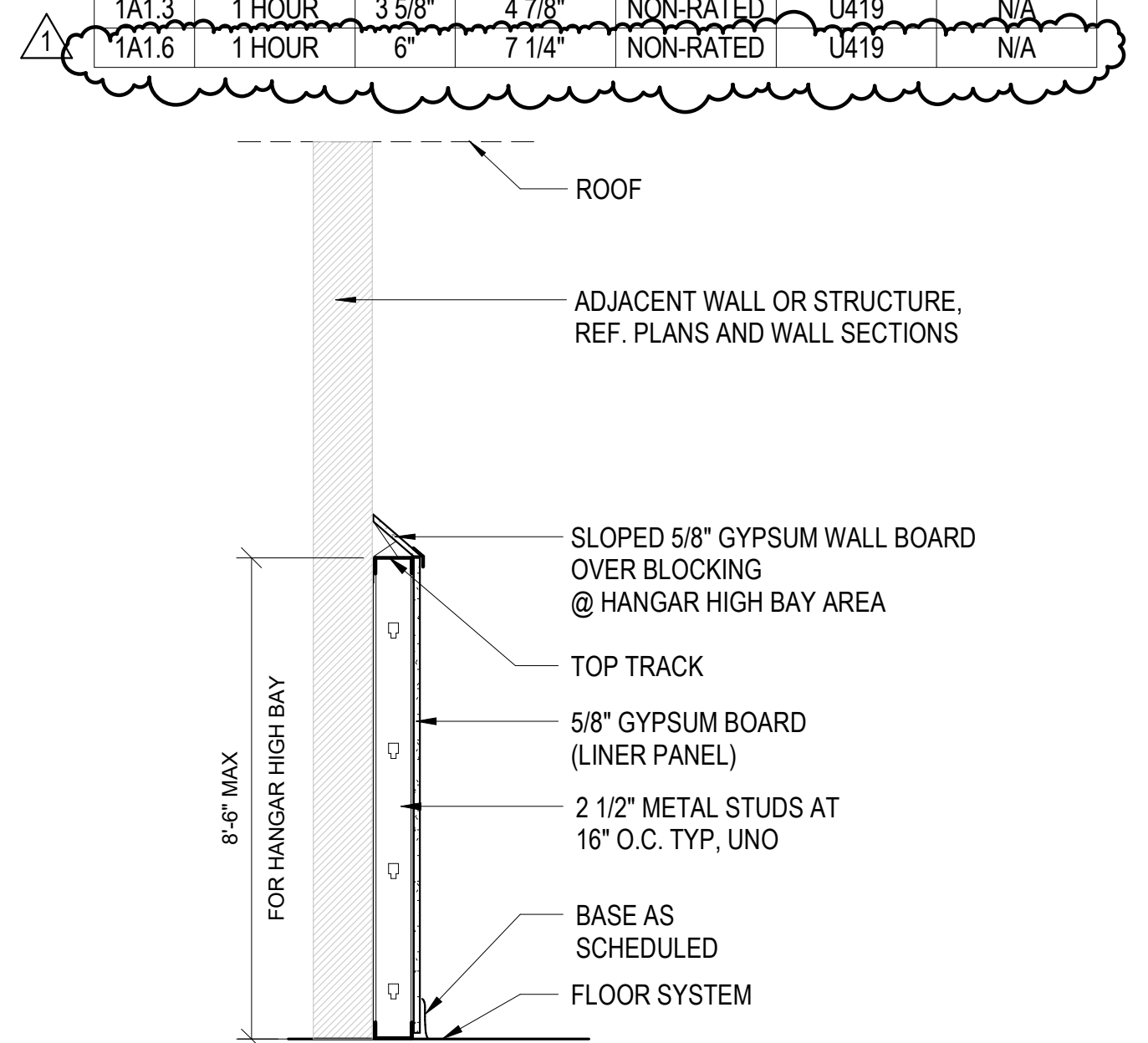
PARTITION TYPE 1A0

TYPE	FIRE RATED	CORE WIDTH	OVERALL WIDTH	STC RATED	UL LISTING	STC TEST
1A0.3.c	NON-RATED	3 5/8"	4 7/8"	45	N/A	NGC 2391



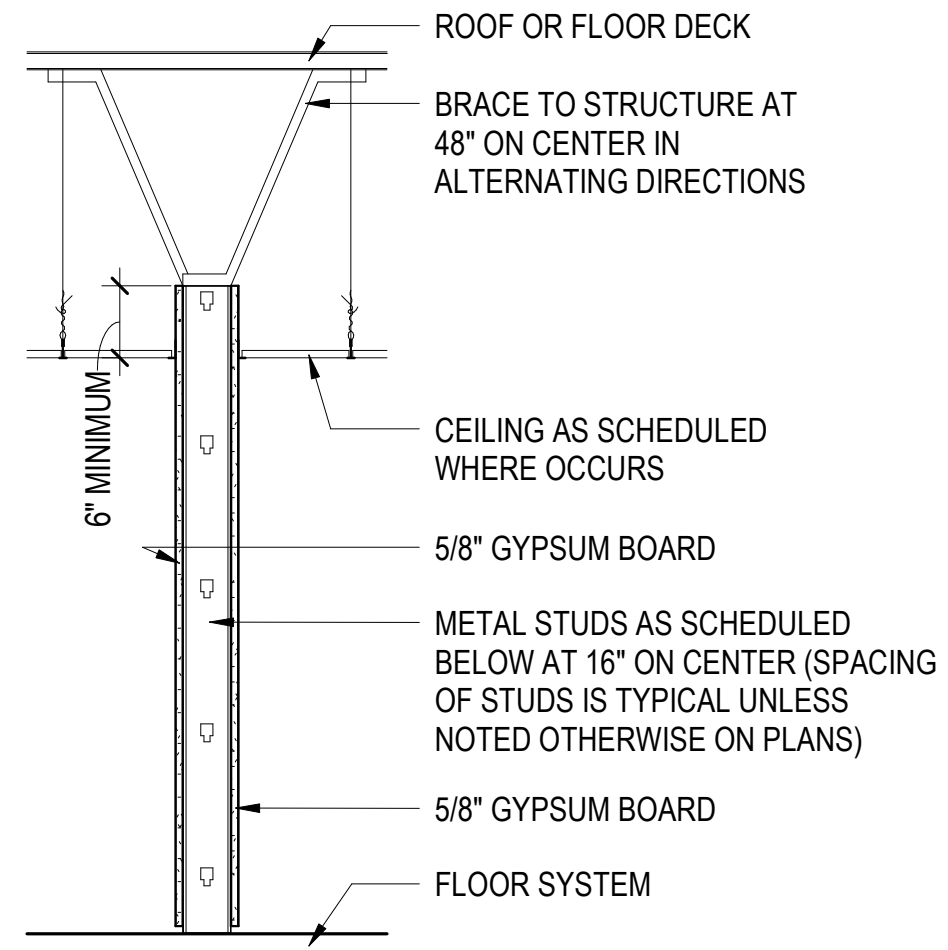
PARTITION TYPE 1A1

TYPE	FIRE RATED	CORE WIDTH	OVERALL WIDTH	STC RATED	UL LISTING	STC TEST
1A1.3	1 HOUR	3 5/8"	4 7/8"	NON-RATED	U419	N/A
1A1.6	1 HOUR	6"	7 1/4"	NON-RATED	U419	N/A



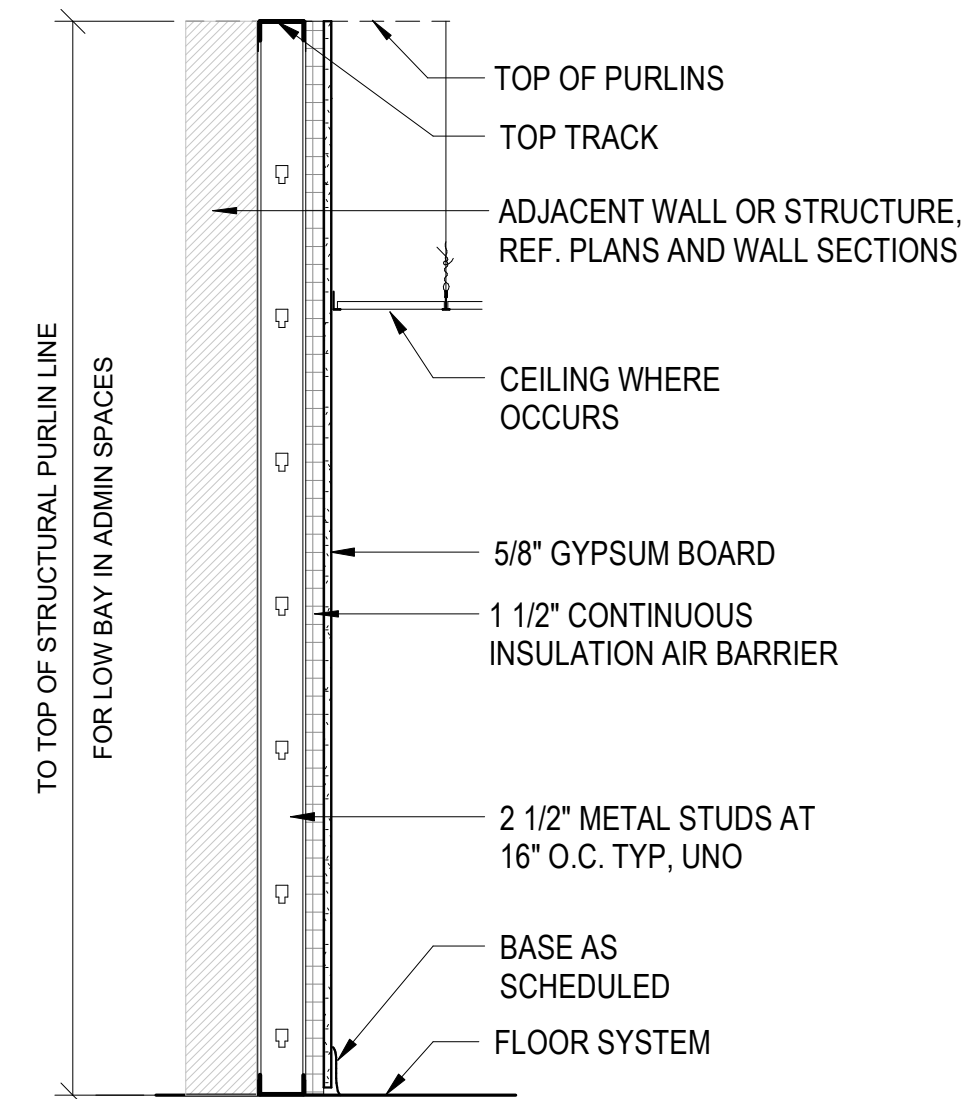
PARTITION TYPE 8D0

TYPE	FIRE RATING	CORE WIDTH	OVERALL WIDTH	UL LISTING	STC TEST
8D0.2	NON-RATED	2 1/2"	4 5/8"	N/A	N/A



PARTITION TYPE 1B0

TYPE	FIRE RATING	CORE WIDTH	OVERALL WIDTH	STC RATED	UL LISTING	STC TEST
1B0.3	NON-RATED	3 5/8"	4 7/8"	NON-RATED	N/A	N/A



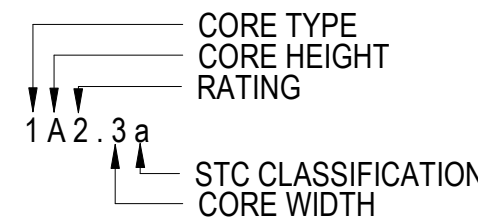
PARTITION TYPE 8A0

TYPE	FIRE RATING	CORE WIDTH	OVERALL WIDTH	UL LISTING	STC TEST
8A0.2	NON-RATED	2 1/2"	3 1/8"	N/A	N/A

NOTES - PARTITION

- ALL PARTITIONS IN RESTROOMS TO RECEIVE MOISTURE RESISTANT GYPSUM BOARD IN PLACE OF GYPSUM WALL BOARD.
- WHERE WALLS ARE TO RECEIVE TILE, 5/8" CEMENT BOARD IS TO BE USED IN PLACE OF GYPSUM WALL BOARD.
- ALL PERIMETER WALLS AROUND RESTROOMS THAT ARE NOT ALREADY REQUIRED TO RECEIVE AND STC RATING WILL RECEIVE SOUND ATTENUATING BATT INSULATION AND ACOUSTICAL SEALANT AT THE TOP AND BOTTOM OF THE WALL. THE SOUND ATTENUATING BATT INSULATION WILL BE CONTINUOUS THEN ENTIRE HEIGHT OF THE WALL.
- FILL VOIDS AROUND WALL PENETRATIONS WITH FIRE STOPPING TO AVOID REDUCTION OF FIRE RATING.
- ALL FIRE RATED PARTITIONS TO RECEIVE TYPE "X" GYPSUM BOARD.

LEGEND - PARTITION TYPES



- CORE TYPE
- METAL STUD WALL
  - METAL STUD SHAFT WALL
  - METAL STUD (1 SIDED GYP BD)
  - WOOD STUD WALL
  - WOOD STUD (1 SIDED GYP BD)
  - CMU
  - CONCRETE
  - FURRING
- CORE HEIGHT
- A FULL HEIGHT (TO UNDERSIDE OF STRUCTURE)
- B 6" ABOVE HIGHEST ADJACENT CEILING
- C TO CEILING
- D (D-Z) USER DEFINED (SPECIAL CONDITIONS)

RATING

- 0 NON-RATED
- 1 1 HOUR
- 2 2 HOUR
- 3 3 HOUR
- 4 4 HOUR
- H 1/2 HOUR
- S SMOKE RATED

CORE WIDTH

- .1 METAL STUD (1 5/8")
- .2 METAL STUD (2 1/2")
- .3 METAL STUD (3 5/8")
- .4 METAL STUD (4") WOOD STUD (3 1/2") CMU/CONCRETE (3 5/8")
- .6 METAL STUD (6") WOOD STUD (5 1/2") CMU/CONCRETE (5 5/8")
- .8 METAL STUD (8") WOOD STUD (7 1/4") CMU/CONCRETE (7 5/8")
- .10 METAL STUD (10") WOOD STUD (9 1/4") CMU/CONCRETE (9 5/8")
- .12 WOOD STUD (11 1/4") CMU/CONCRETE (11 5/8")

STC CLASSIFICATION

- a STC 35
- b STC 40
- c STC 45
- d STC 50
- e STC 55

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DALLAS, TX 75234



SEAL

REVISIONS		DESCRIPTION	
NO.	DATE	ADDENDUM #1	
1	03/16/2021		

HANGAR REPLACEMENT  
3001 EARHART DRIVE  
JONESBORO, AR 72401

PARTITION TYPES

Project Number: 181261

Date: 02-05-2021

Scale: AS NOTED

Sheet # A-601

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CONSTRUCTION SET

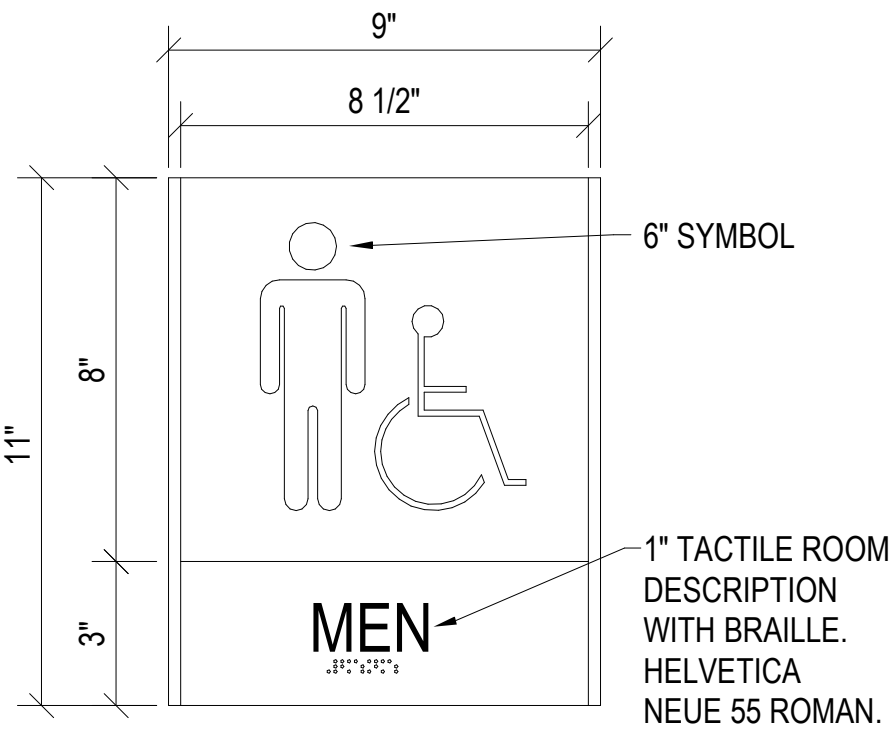


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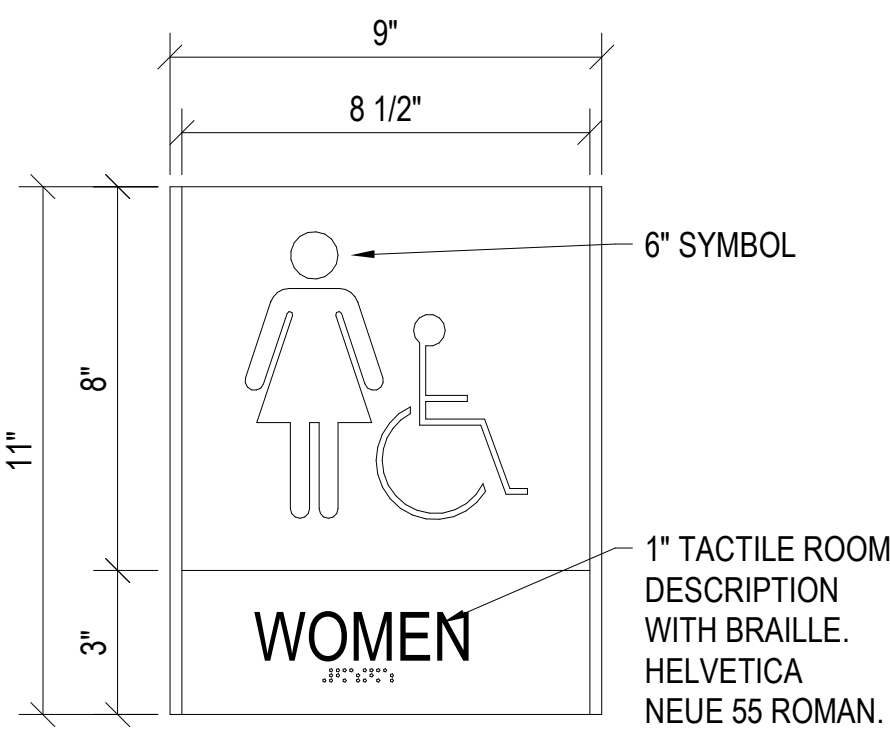
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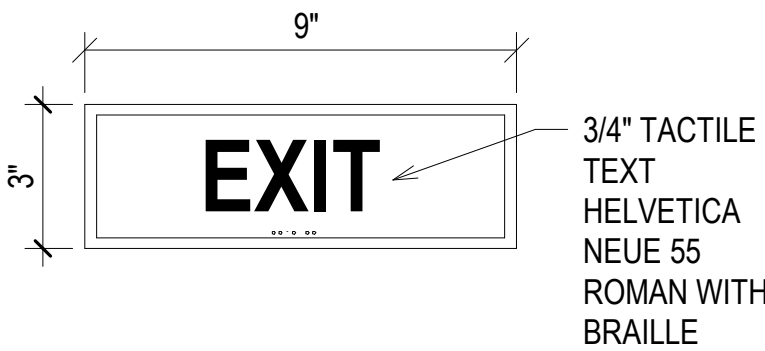
### 1 ACCESSIBLE MEN

SCALE:NTS  
REFER TO SHEET A-002 FOR MOUNTING HEIGHTS  
AND LOCATION RELATIVE TO DOORS



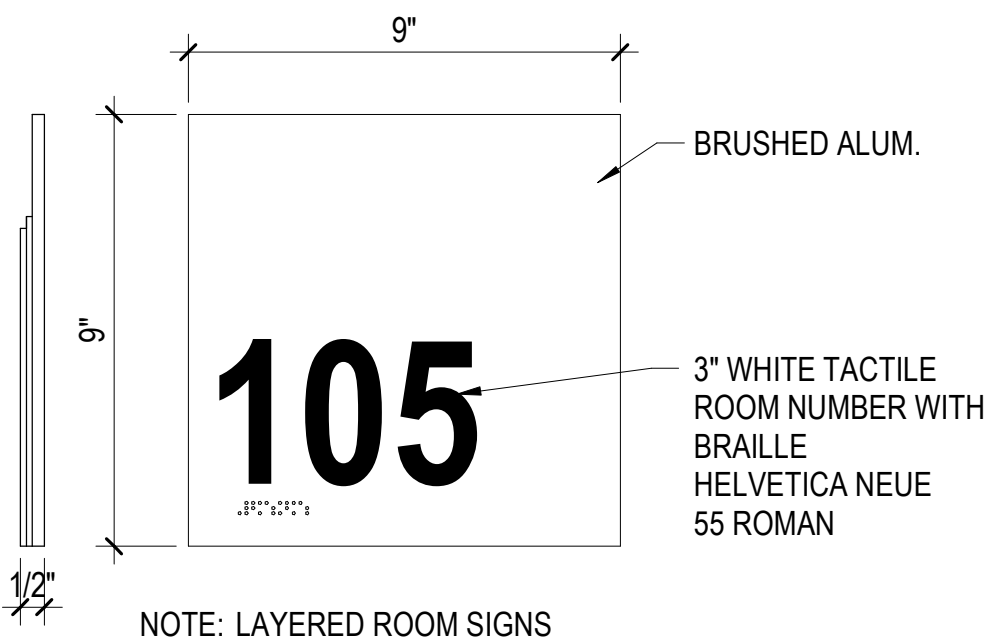
### 2 ACCESSIBLE WOMEN

SCALE:NTS  
REFER TO SHEET A-002 FOR MOUNTING HEIGHTS  
AND LOCATION RELATIVE TO DOORS



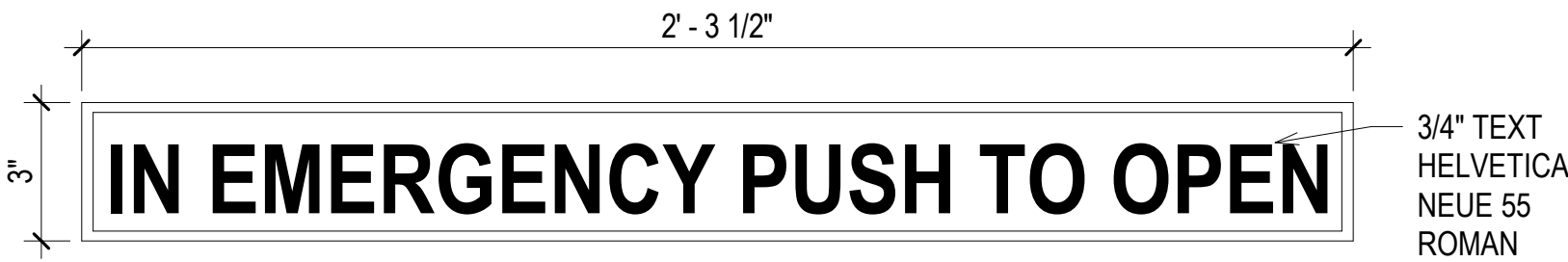
### 3 EXIT

SCALE:NTS  
ALL RESTROOM EXITS & EXTERIOR EXITS



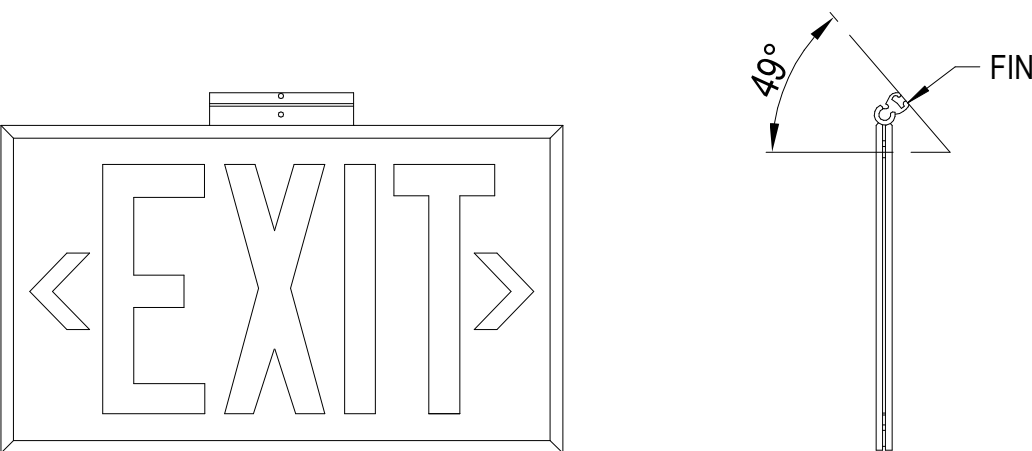
### 6 ROOM ID SIGNS

SCALE:NTS  
ALL ROOMS SHALL HAVE ID SIGNS @ DOORS



### 4 IN EMERGENCY PUSH TO OPEN

SCALE:NTS  
ALL EGREES DOORS WITH PANIC DEVICES



### 7 LIGHTED EXIT SIGN

SCALE: 3/4" = 1'-0"  
REFER TO SHEET G-102 FOR LOCATIONS

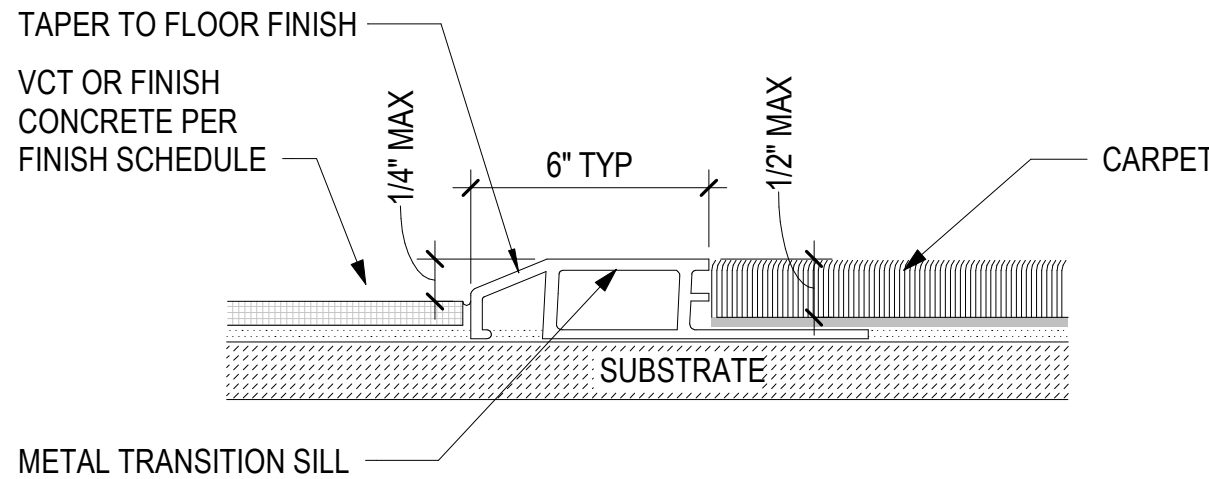
ROOM FINISH SCHEDULE									
ROOM		FLOOR	BASE	WALL MATERIAL - FINISH				CEILING	REMARKS
NUMBER	NAME			NORTH	EAST	SOUTH	WEST		
100	HANGAR HIGH BAY	CONC-S	NONE	LP & VI	LP & VI	LP & VI	LP & CMU-P	STR-P	GWB LINER PANEL, REF WALL SECTIONS
101	OFFICE	CARPET	VB	GB-P	GB-P	GB-P	GB-P	ACT	
102	OFFICE	CARPET	VB	GB-P	GB-P	GB-P	GB-P	ACT	
103	LOBBY	CARPET	VB	GB-P	GB-P	GB-P	GB-P	ACT	
104	TEST	CARPET	VB	GB-P	GB-P	GB-P	GB-P	ACT	
105	PARTS	CONC-S	VB	GB-P	GB-P	GB-P	GB-P	ACT	
106	WOMEN'S RESTROOM	VCT	VB & CT-1	GB-P & CT-1	GB-P & CT-1	GB-P & CT-1	GB-P	GB-P	CEMENT BOARD @ TILE LOCATIONS / MOISTURE RESISTANT GWB
107	MEN'S RESTROOM	VCT	VB & CT-1	GB-P & CT-1	GB-P & CT-1	GB-P & CT-1	GB-P	GB-P	CEMENT BOARD @ TILE LOCATIONS / MOISTURE RESISTANT GWB
108	SHOP	CONC-S	VB	GB-P	GB-P	GB-P	GB-P	STR-P	
109	MECH.	CONC-S	NONE	GB-P	GB-P	GB-P	GB-P	STR-P	
110	CLOSET	CARPET	VB	GB-P	GB-P	GB-P	GB-P	ACT	
111	JAN	CONC-S	NONE	GB-P	GB-P	GB-P	GB-P	GB-P	MOISTURE RESISTANT GWB
112	JAN	CONC-S	NONE	GB-P	GB-P	GB-P	GB-P	GB-P	MOISTURE RESISTANT GWB

#### LEGEND - FINISH

ACT	ACOUSTICAL CEILING TILE
CONC-S	CONCRETE - SEALED
CPT	CARPET
CT-1	CERAMIC TILE
GB-P	GYPSON BOARD PAINTED
LP	LINER PANEL
P	PAINTED
STR	EXPOSED STRUCTURE
STR-P	EXPOSED STRUCTURE - PAINTED
VB	4" VINYL BASE
VCT	VINYL COMPOSITION TILE
VI	VINYL INSULATION

#### NOTES:

1. REFER TO WALL TYPES AND CEILING PLAN FOR SOUND BATT INSULATION REQUIREMENTS



### 5 FINISH DETAIL - INTERIOR TRANSITION STRIPS

SCALE:NTS

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Consultant

SEAL

REVISIONS		DESCRIPTION
NO.	DATE	
1	03/16/2021	ADDENDUM #1

HANGAR REPLACEMENT  
3001 EARHART DRIVE  
JONESBORO, AR 72401

ROOM FINISH SCHEDULE & SIGNAGE DETAILS

Project Number:  
181261

Date:  
02-05-2021

Scale:  
AS NOTED

Sheet #  
A-602

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CONSTRUCTION SET



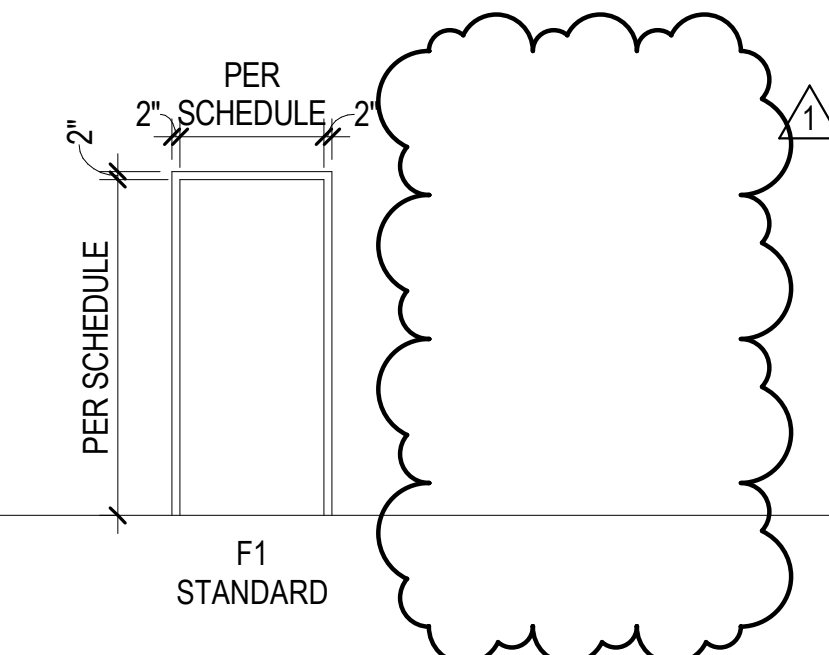
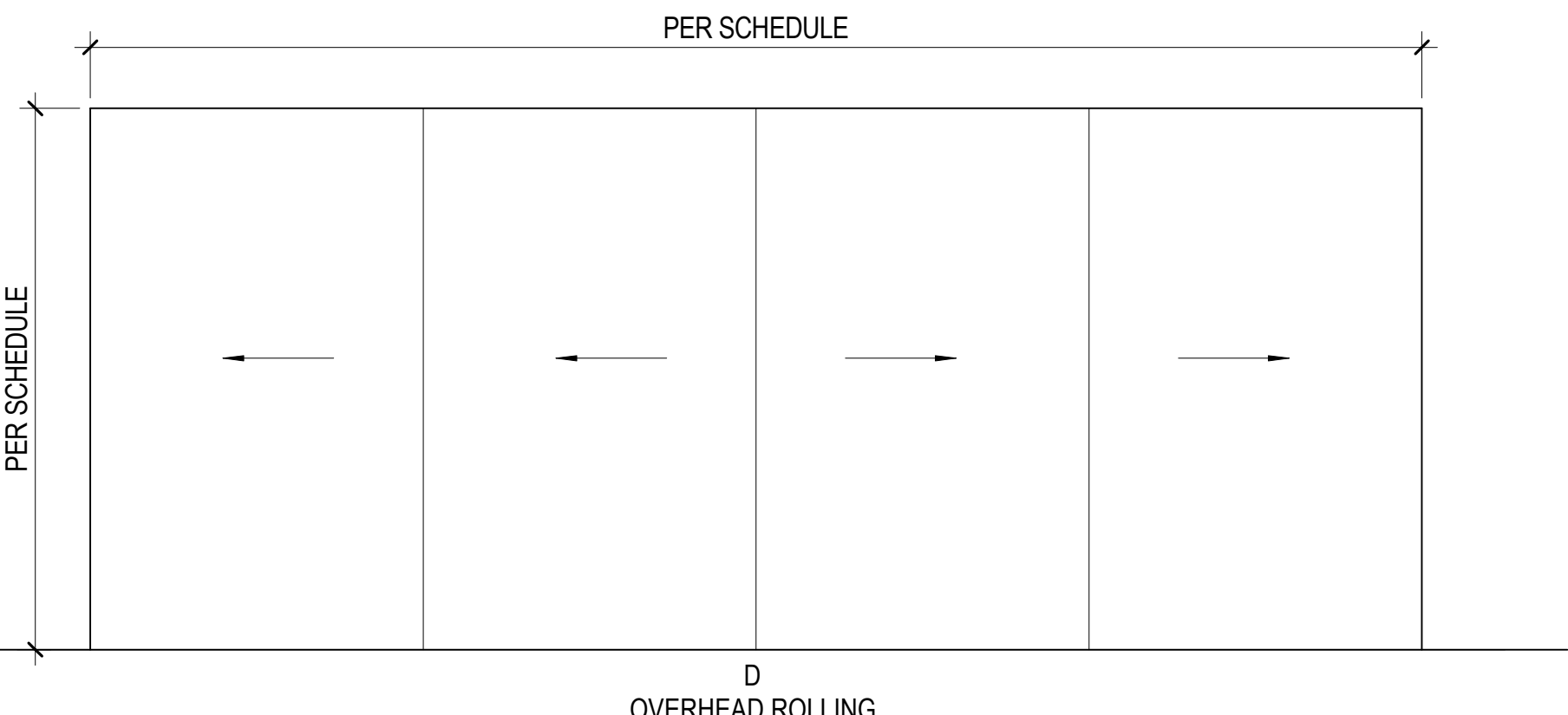
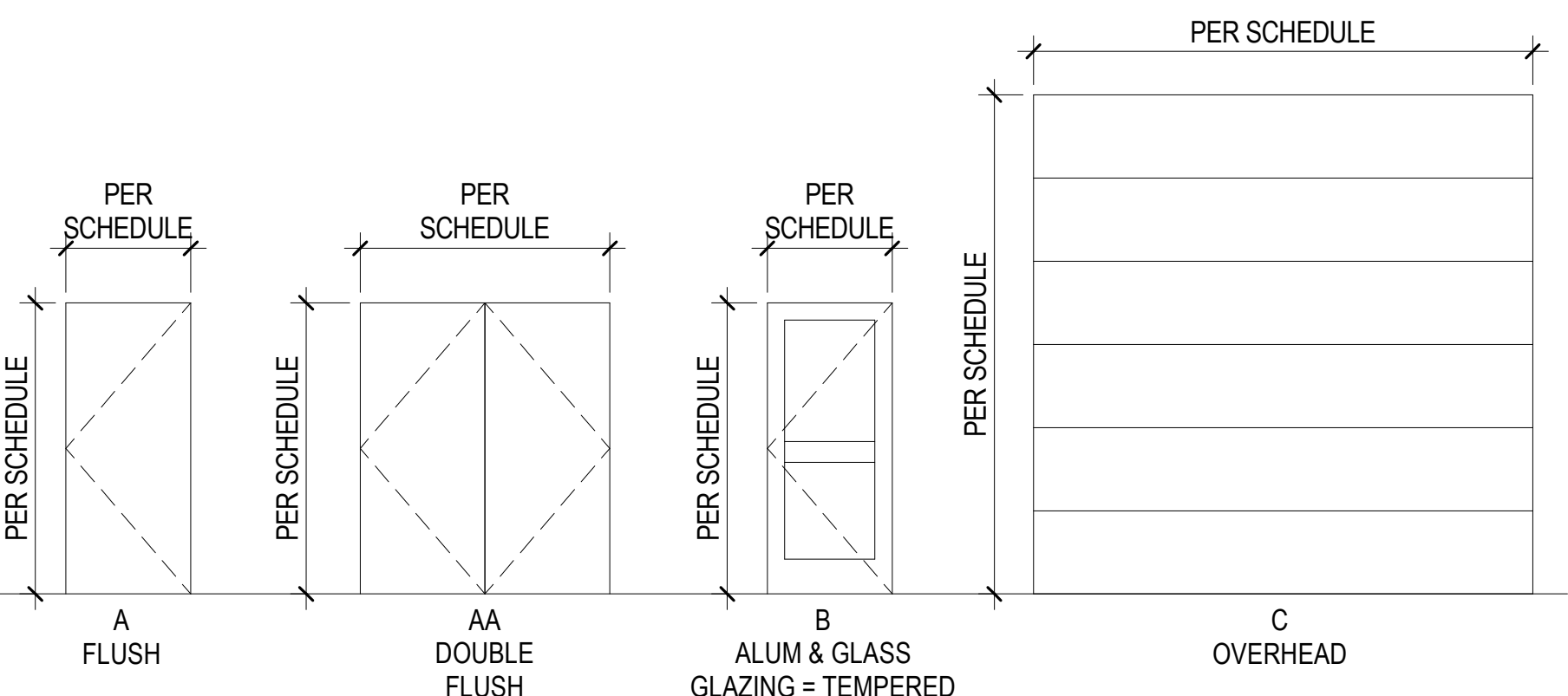
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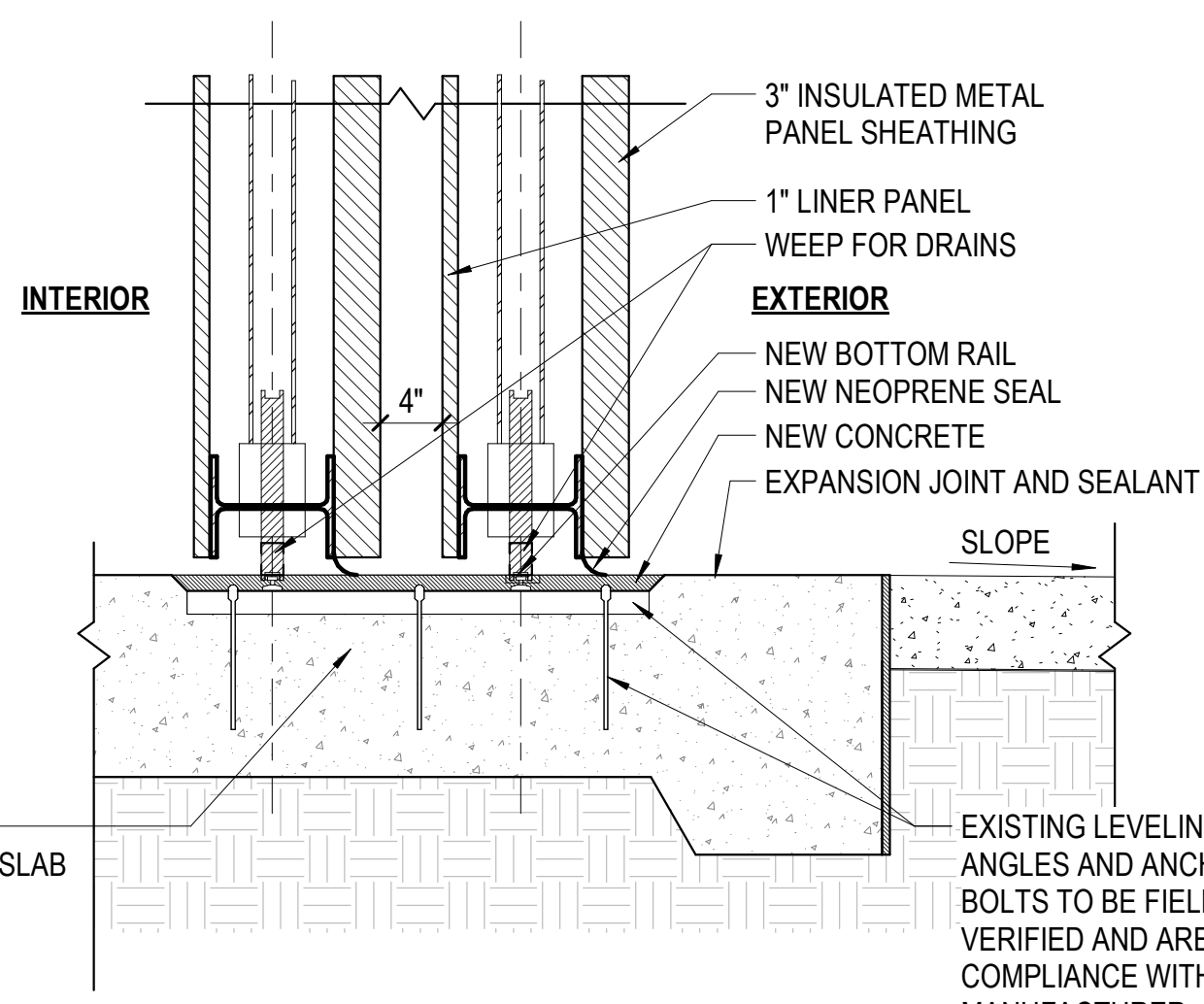
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SCHEDULE - DOOR - ALL														
DOOR NUMBER	SIZE			DOOR			FRAME		DETAILS		RATING		HARDWARE SET	COMMENTS
	HEIGHT	WIDTH	THICKNESS	TYPE	DESCRIPTION	FINISH	TYPE	DESCRIPTION	FRAME FINISH	HEAD	JAMB	FIRE	STC	
100A	25' - 0"	85' - 0"	1' - 0"	D	HANGAR DOOR SLIDING	CSI	-	-	-	2/A-611	3/A-611		1	INSULATED PEMB WALL PANELS AND LINER PANELS
100B	14' - 0"	12' - 0"		C	OVERHEAD SECTIONAL STEEL	CSI	-	-	-	7/A-612	8/A-612		1	INSULATED, VERTICAL LIFT
100C	7' - 0"	3' - 0"	1 3/4"	A	EXTERIOR	PTD	F1	HOLLOW METAL	PTD	1/A-612	2/A-612		2	INSULATED
100D	7' - 0"	3' - 0"	1 3/4"	A	EXTERIOR	PTD	F1	HOLLOW METAL	PTD	1/A-612	2/A-612		2	INSULATED
101	7' - 0"	3' - 0"	1 3/4"	A	INTERIOR WOOD FLUSH (SOLID CORE)	WD	F1	HOLLOW METAL	PTD	4/A-612	5/A-612		3	
102	7' - 0"	3' - 0"	1 3/4"	A	INTERIOR WOOD FLUSH (SOLID CORE)	WD	F1	HOLLOW METAL	PTD	4/A-612	5/A-612		3	
103A	7' - 0"	3' - 0"	1 3/4"	B	EXTERIOR STOREFRONT	ALUM	F1	PER MANUF	ALUM	4/A-611	5/A-611		4	INSULATED
103B	7' - 0"	3' - 0"	1 3/4"	A	INTERIOR HOLLOW METAL RATED	PTD	F1	HOLLOW METAL	PTD	10/A-612	11/A-612	45 MIN	5	
103C	7' - 0"	3' - 0"	1 3/4"	A	INTERIOR HOLLOW METAL RATED	PTD	F1	HOLLOW METAL	PTD	10/A-612	11/A-612	45 MIN	5	
103D	7' - 0"	3' - 0"	1 3/4"	A	INTERIOR HOLLOW METAL RATED	PTD	F1	HOLLOW METAL	PTD	10/A-612	11/A-612	45 MIN	5	
104	7' - 0"	3' - 0"	1 3/4"	A	INTERIOR WOOD FLUSH (SOLID CORE)	WD	F1	HOLLOW METAL	PTD	4/A-612	5/A-612		3	
105	7' - 0"	3' - 0"	1 3/4"	A	INTERIOR WOOD FLUSH (SOLID CORE)	WD	F1	HOLLOW METAL	PTD	4/A-612	5/A-612		6	
106	7' - 0"	3' - 0"	1 3/4"	A	INTERIOR WOOD FLUSH (SOLID CORE)	WD	F1	HOLLOW METAL	PTD	4/A-612	5/A-612		7	
107	7' - 0"	3' - 0"	1 3/4"	A	INTERIOR WOOD FLUSH (SOLID CORE)	WD	F1	HOLLOW METAL	PTD	4/A-612	5/A-612		7	
108A	8' - 0"	12' - 0"	2"	C	OVERHEAD SECTIONAL STEEL	CSI	-	-	-	7/A-612	8/A-612		1	INSULATED, STANDARD LIFT
108B	7' - 0"	3' - 0"	1 3/4"	A	INTERIOR HOLLOW METAL	PTD	F1	HOLLOW METAL	PTD	4/A-612	5/A-612		3	
108C	7' - 0"	3' - 0"	1 3/4"	A	INTERIOR HOLLOW METAL RATED	PTD	F1	HOLLOW METAL	PTD	10/A-612	11/A-612	45 MIN	8	
109	7' - 0"	6' - 0"	1 3/4"	AA	INTERIOR HOLLOW METAL RATED	PTD	F1	HOLLOW METAL	PTD	4/A-612	5/A-612	45 MIN	9	
110	7' - 0"	3' - 0"	1 3/4"	A	INTERIOR WOOD FLUSH (SOLID CORE)	WD	F1	HOLLOW METAL	PTD	4/A-612	5/A-612		10	
111	7' - 0"	3' - 0"	1 3/4"	A	INTERIOR HOLLOW METAL RATED	PTD	F1	HOLLOW METAL	PTD	10/A-612	11/A-612	45 MIN	11	
112	7' - 0"	3' - 0"	1 3/4"	A	INTERIOR HOLLOW METAL	PTD	F1	HOLLOW METAL	PTD	4/A-612	5/A-612		12	

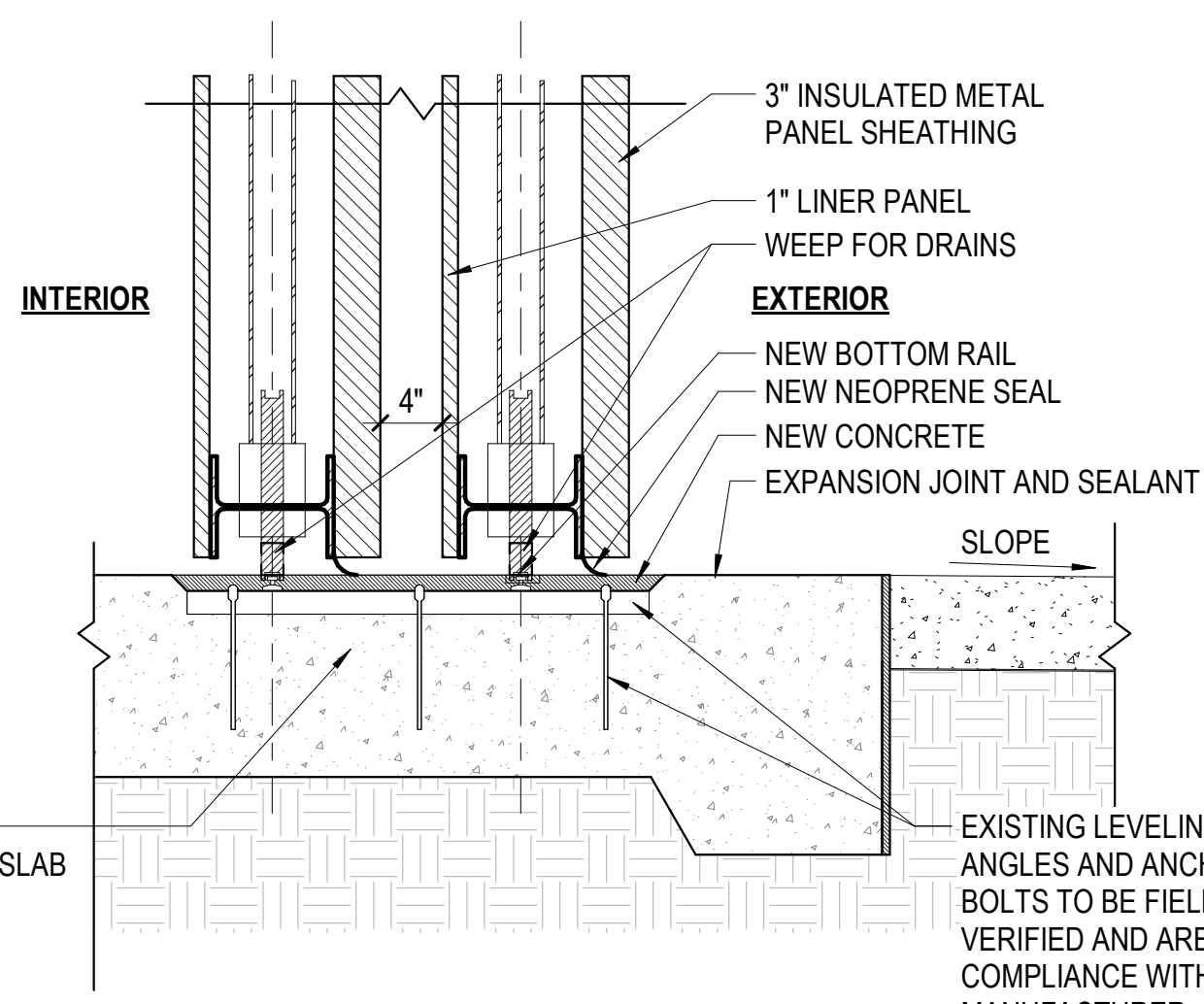


DOOR & FRAME TYPES  
SCALE: NTS

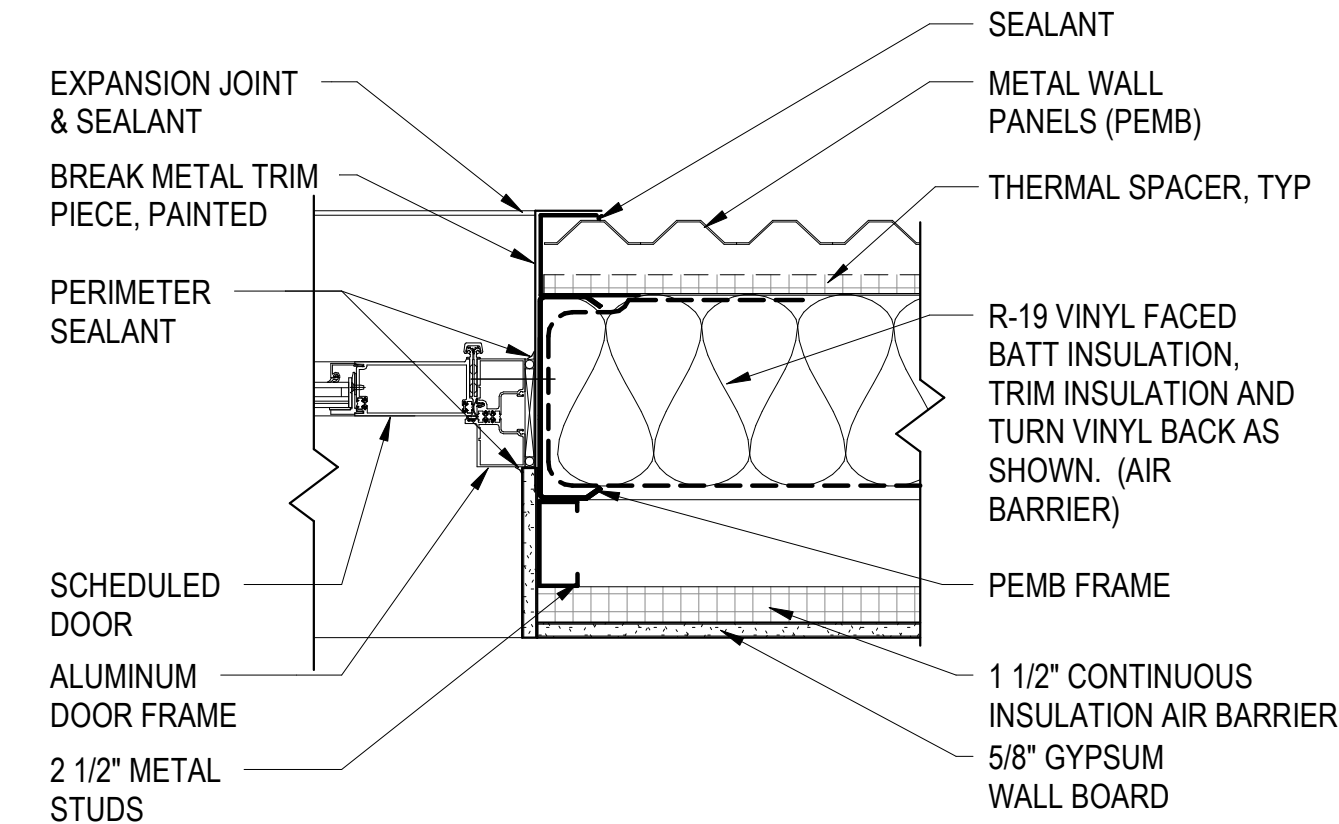
2 HANGAR DOOR HEAD DETAIL  
SCALE: 1" = 1'-0"



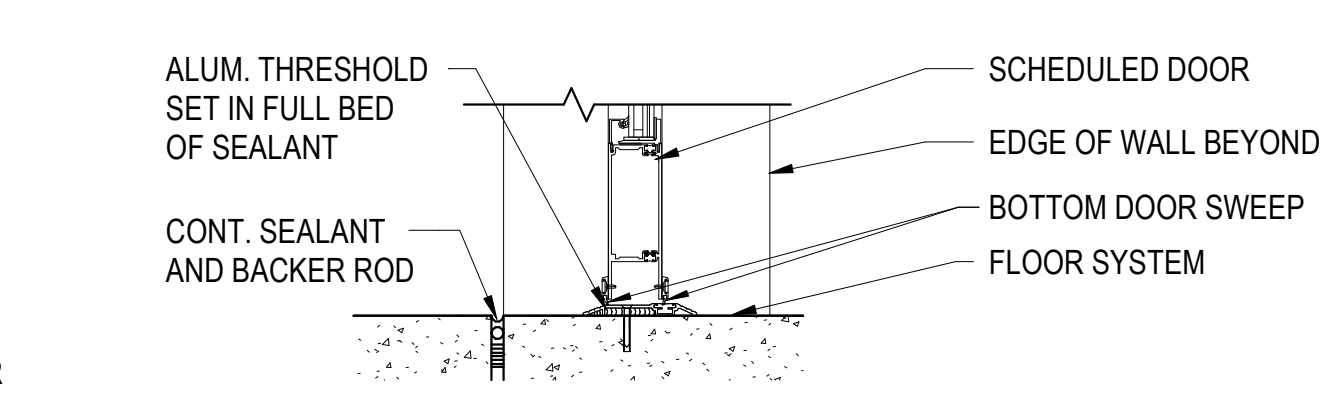
3 HANGAR DOOR BASE DETAIL  
SCALE: 1" = 1'-0"



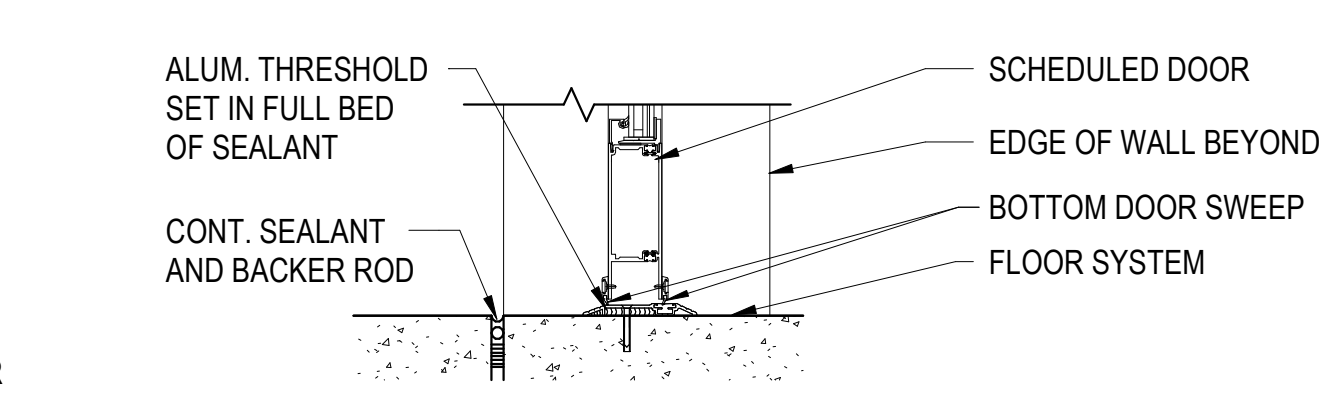
4 H5 - EXTERIOR ALUM DOOR HEAD DETAIL  
SCALE: 1 1/2" = 1'-0"



5 J5 - EXTERIOR ALUM DOOR JAMB DETAIL  
SCALE: 1 1/2" = 1'-0"



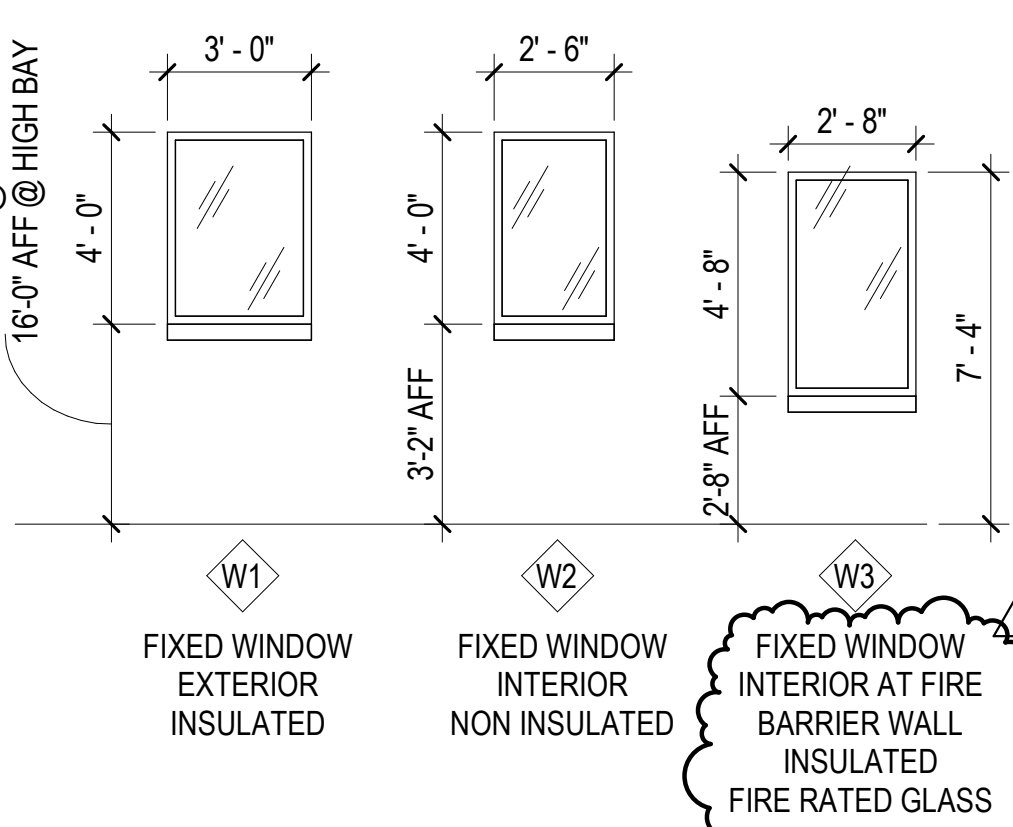
6 S5 - EXTERIOR ALUM DOOR SILL DETAIL  
SCALE: 1 1/2" = 1'-0"



LEGEND - DOOR FRAME	
TYPE	DESCRIPTION
-	NONE
AC	ACCESS
AL	ALUMINUM
CS	CUSTOM STEEL
HM	HOLLOW METAL
MSS	METAL SCREEN AND STORM
PAM	PRE-ASSEMBLED METAL
SS	STANDARD STEEL
WD	WOOD

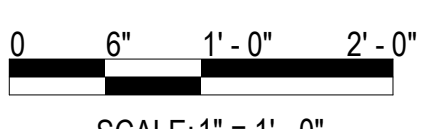
LEGEND - DOOR LEAF	
TYPE	DESCRIPTION
AC	ACCESS
AE	AUTOMATIC ENTRANCE
AFE	ALUMINUM-FRAMED ENTRANCE
AGE	ALL-GLASS ENTRANCE
CL	CHAIN LINK
CS	CUSTOM STEEL
CSI	CUSTOM STEEL (INSULATED)
FD	FOLDING
HM	HOLLOW METAL
HMI	HOLLOW METAL (INSULATED)
MSS	METAL SCREEN AND STORM
OC	OVERHEAD COILING
OCI	OVERHEAD COILING (INSULATED)
OSA	OVERHEAD SECTIONAL ALUMINUM
OSAI	OVERHEAD SECTIONAL ALUMINUM (INSULATED)
OSS	OVERHEAD SECTIONAL STEEL
OSSI	OVERHEAD SECTIONAL STEEL (INSULATED)
OSW	OVERHEAD SECTIONAL WOOD
PAM	PRE-ASSEMBLED METAL
PAMI	PRE-ASSEMBLED METAL (INSULATED)
RE	REVOLVING ENTRANCE
SAF	SLIDING ALUMINUM-FRAMED GLASS
SPF	SLIDING PLASTIC-FRAMED GLASS
SRW	STILE AND RAIL WOOD
SS	STANDARD STEEL
SWF	SLIDING WOOD-FRAMED GLASS
WC	WOOD CLOSET
WDHC	WOOD FLUSH (HOLLOW CORE)
WDSC	WOOD FLUSH (SOLID CORE)

SCHEDULE - WINDOW	
W1	FIXED WINDOW
W2	FIXED WINDOW
W3	FIXED WINDOW



- NOTES:
- REFERENCE ELEVATIONS FOR CLERESTORY WINDOW HEIGHTS.
  - ALL WINDOWS ADJACENT TO DOORS OR INTEGRAL WITH DOOR TO HAVE TEMP GLASS.
  - ALL WINDOWS TO HAVE SILL FLASHING & END DAMS SET IN FULL BED OF SEALANT.
  - HORIZONTAL LOUVERS & BLINDS COORDINATE WITH OWNER.

WINDOW TYPES  
SCALE: NTS



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REGISTERED ARCHITECT  
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License Number 9889  
03/16/2021  
Consultant

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NO.	DATE	DESCRIPTION	REVISIONS
1	03/16/2021	ADDENDUM #1	

HANGAR REPLACEMENT  
3001 EARHART DRIVE  
JONESBORO, AR 72401

DOOR SCHEDULE, DOOR AND WINDOW ELEVATIONS

Project Number: **181261**  
Date: **02-05-2021**  
Scale: **AS NOTED**  
Sheet # **A-611**

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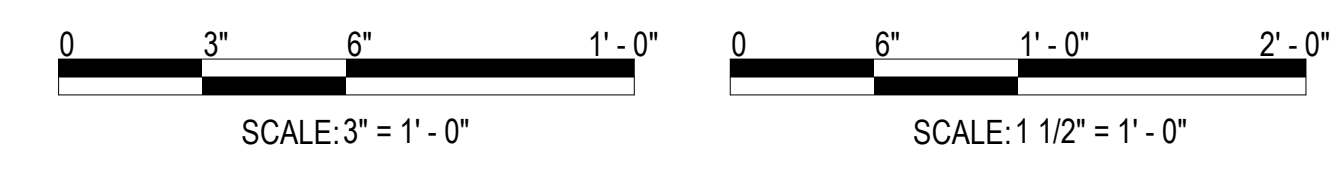
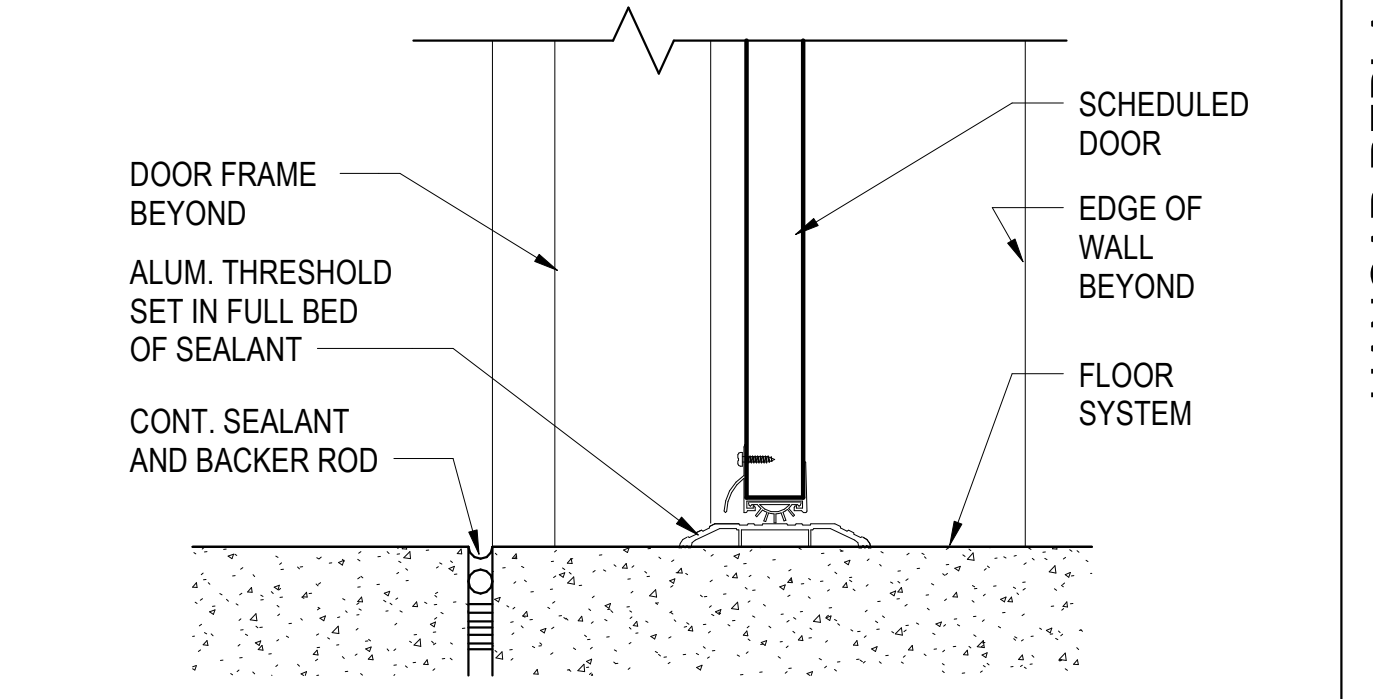
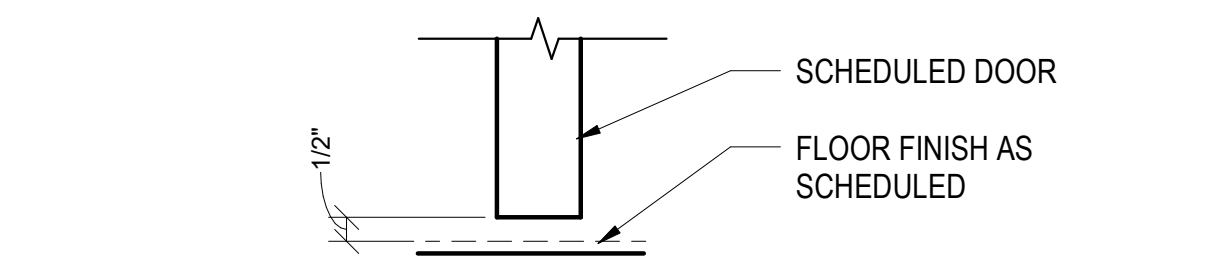
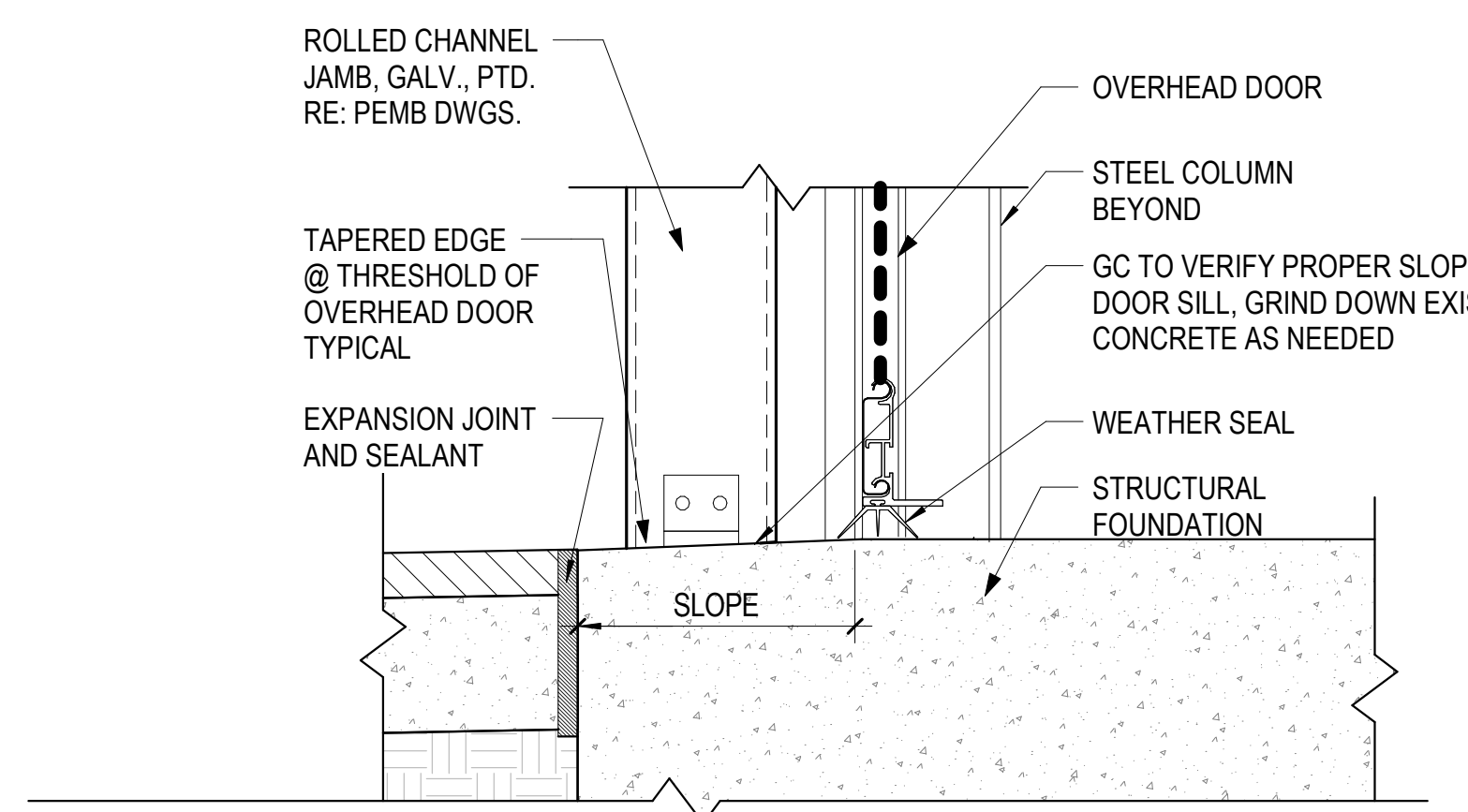
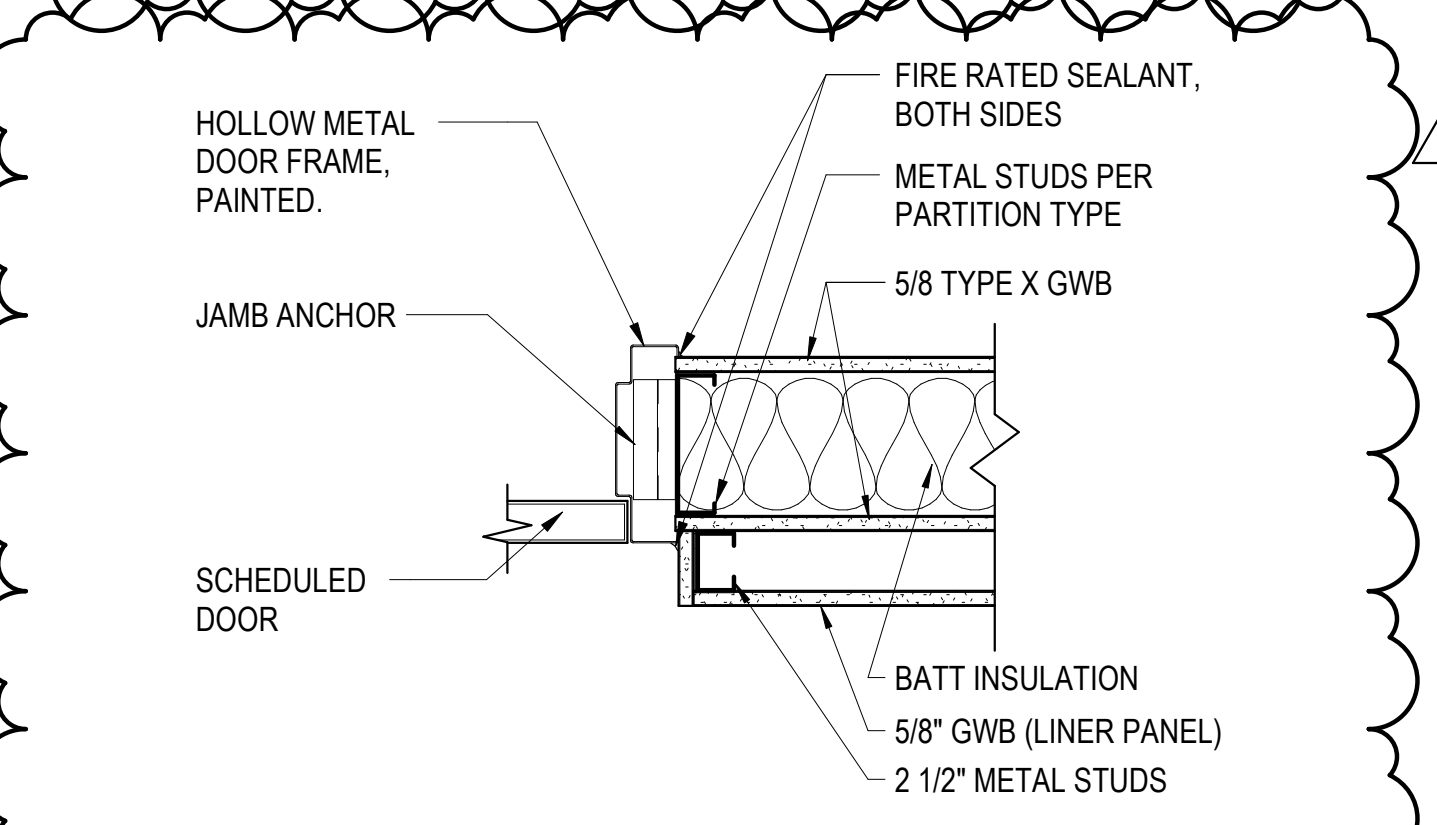
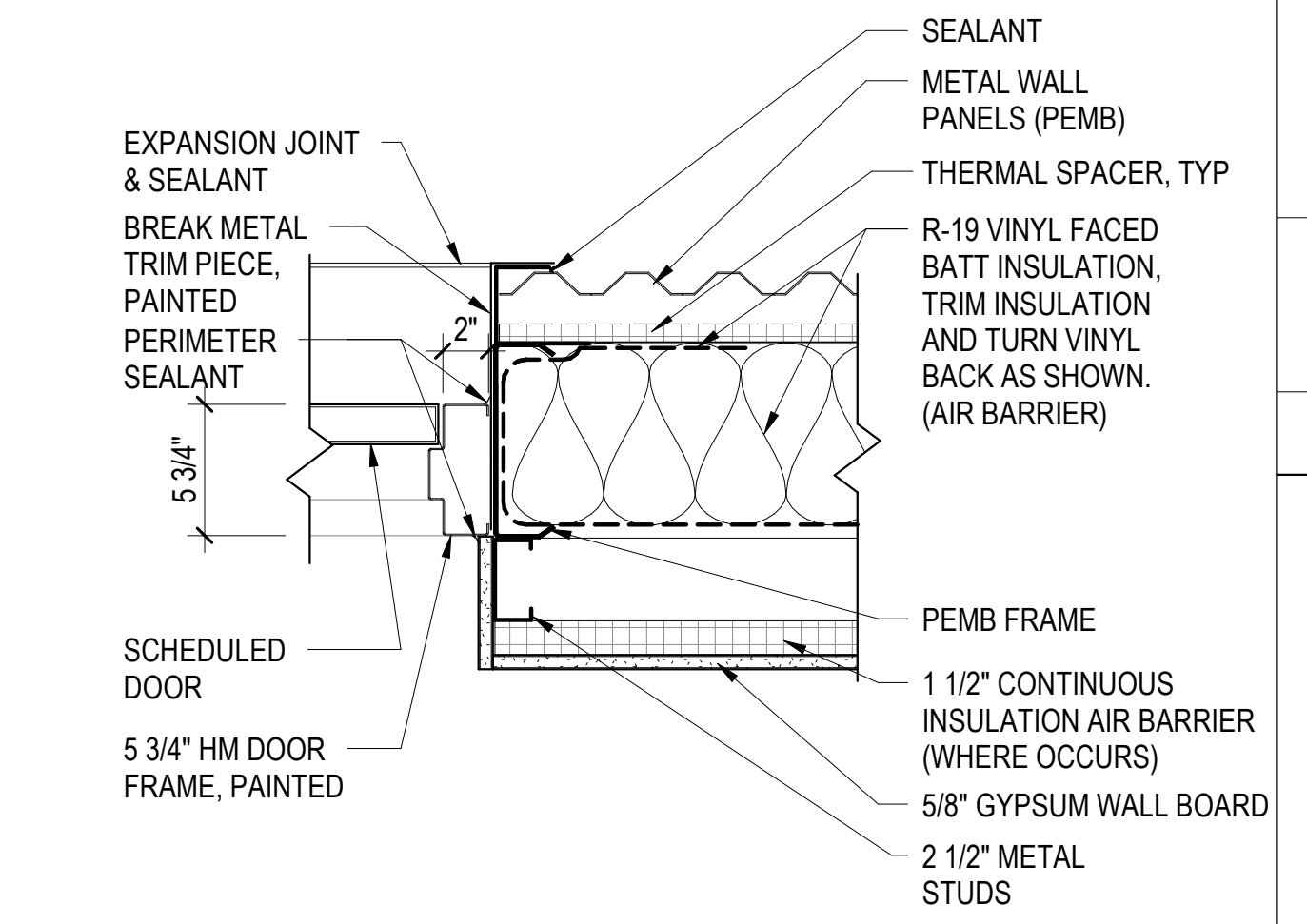
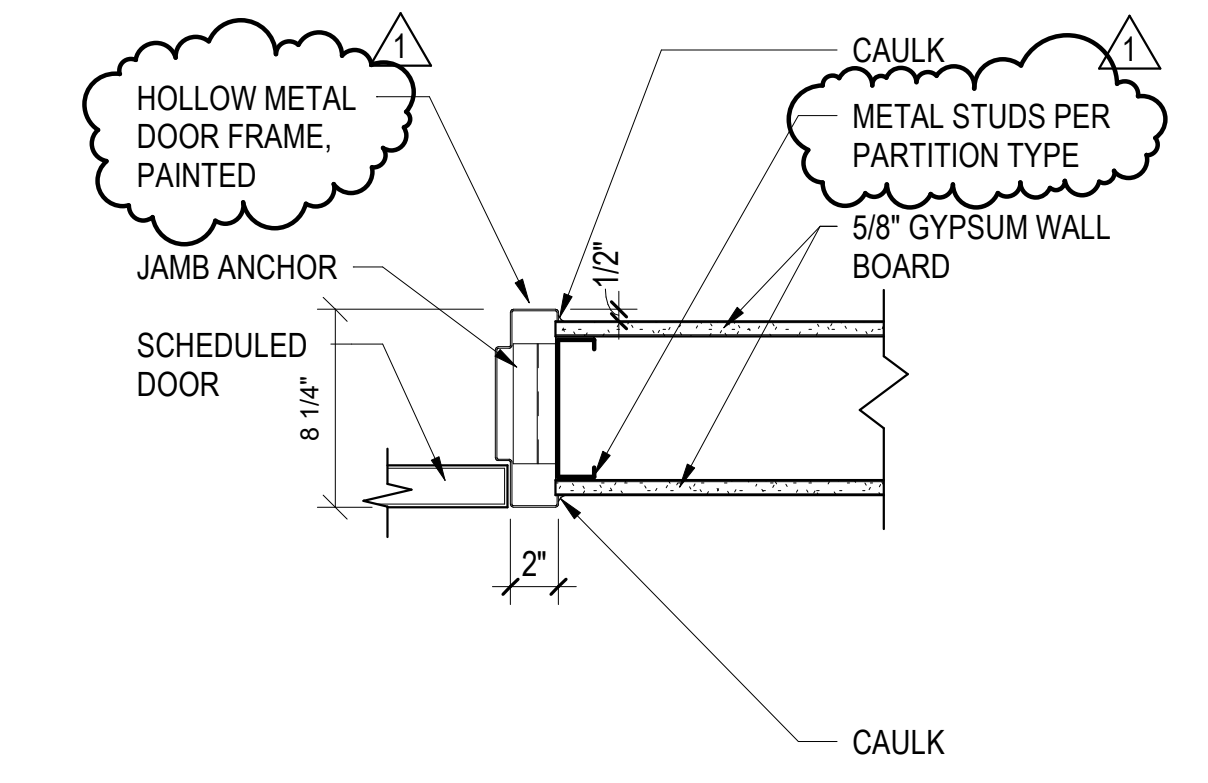
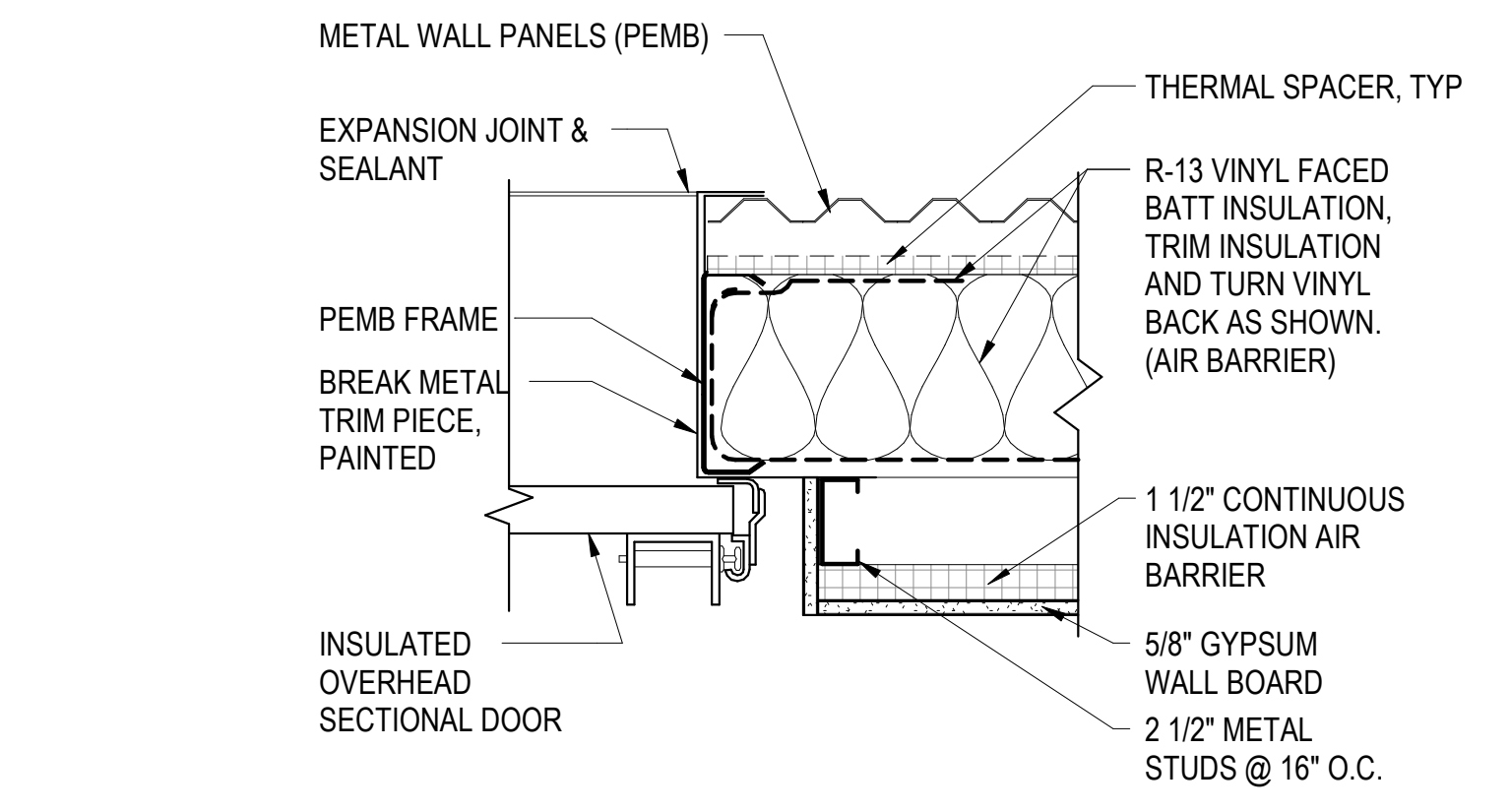
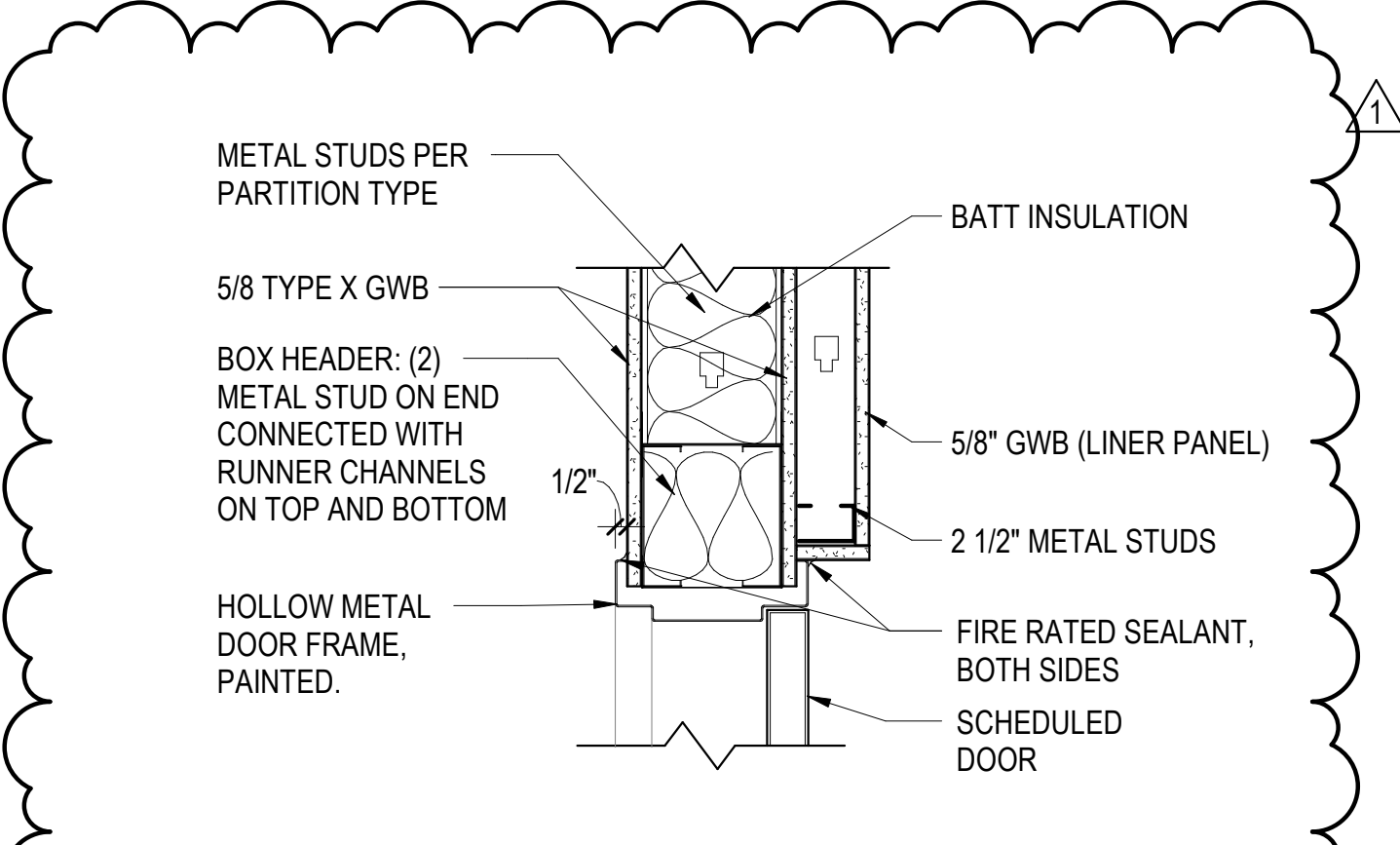
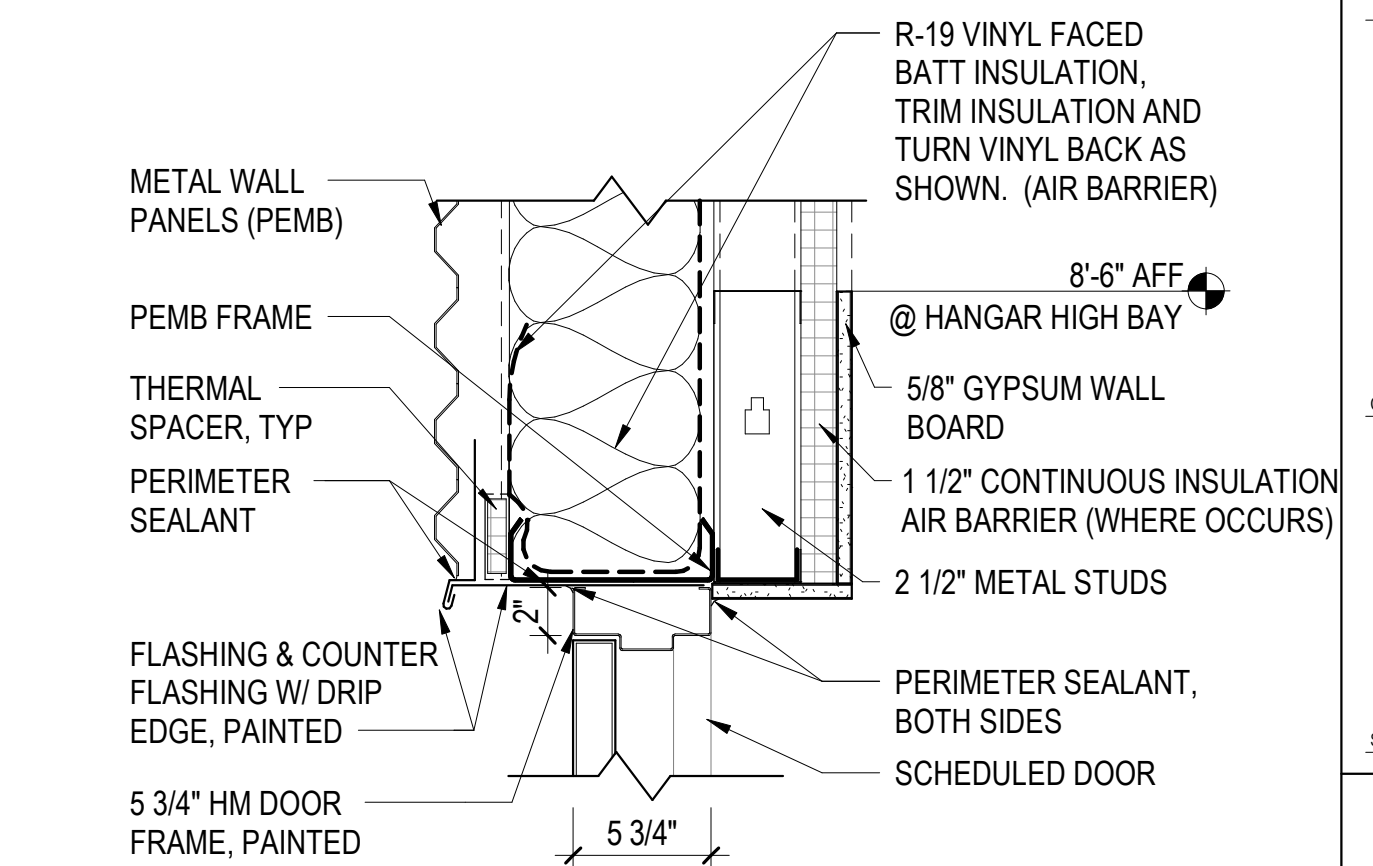
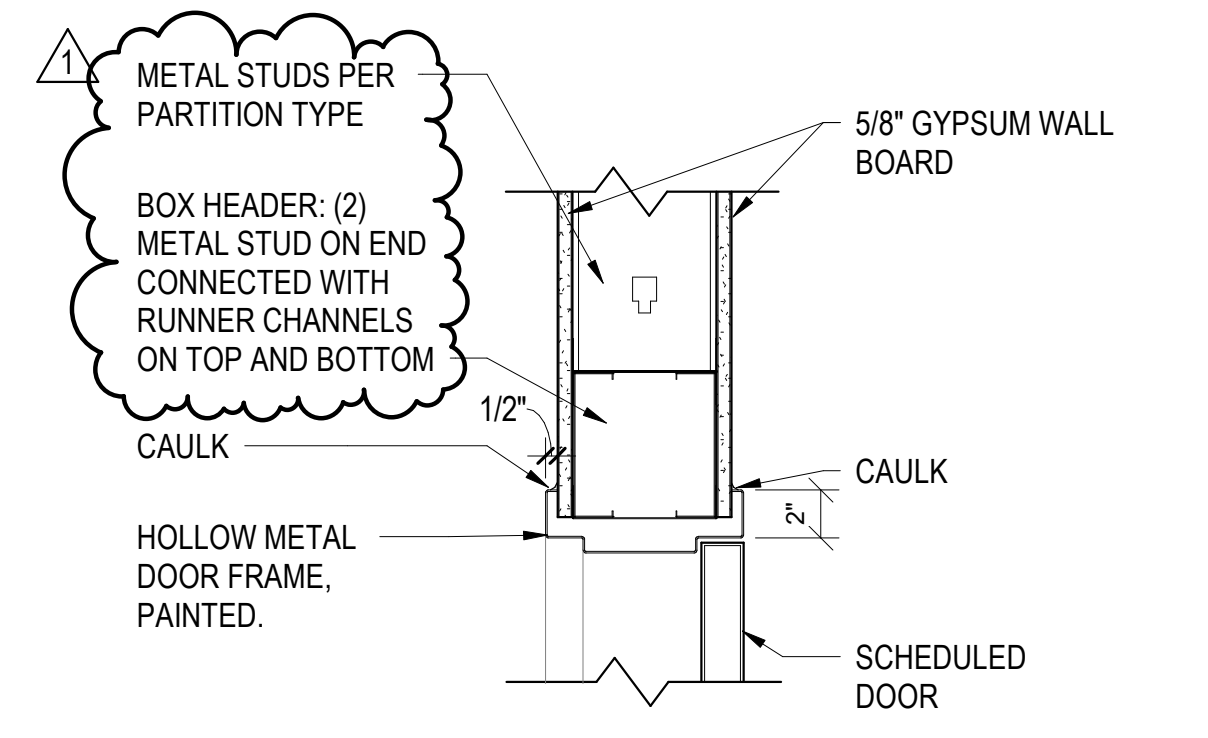
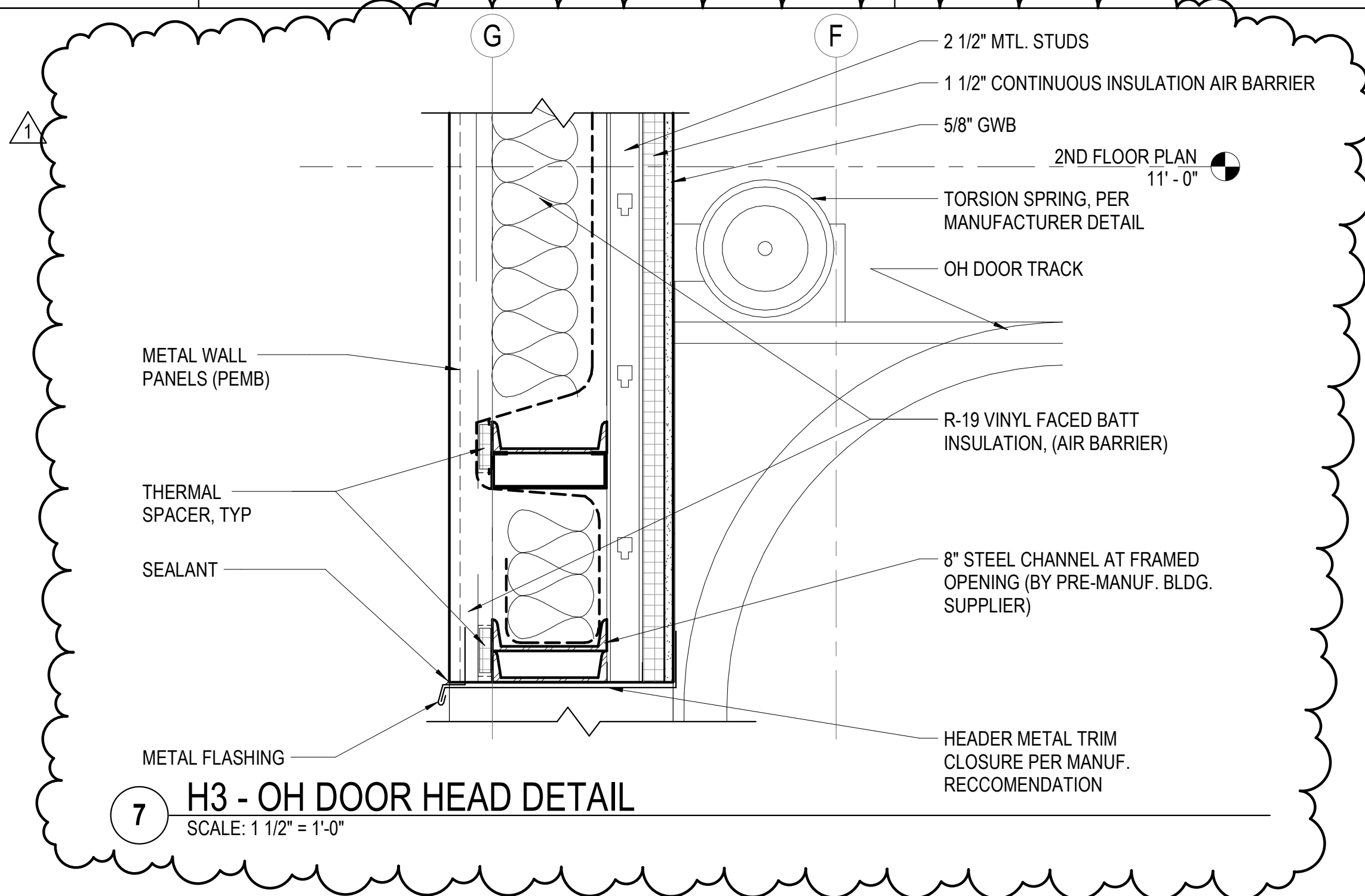


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HANGAR REPLACEMENT  
3001 EARHART DRIVE  
JONESBORO, AR 72401

DOOR HEAD, JAMB, AND SEAL DETAILS

Project Number: 181261

Date: 02-05-2021

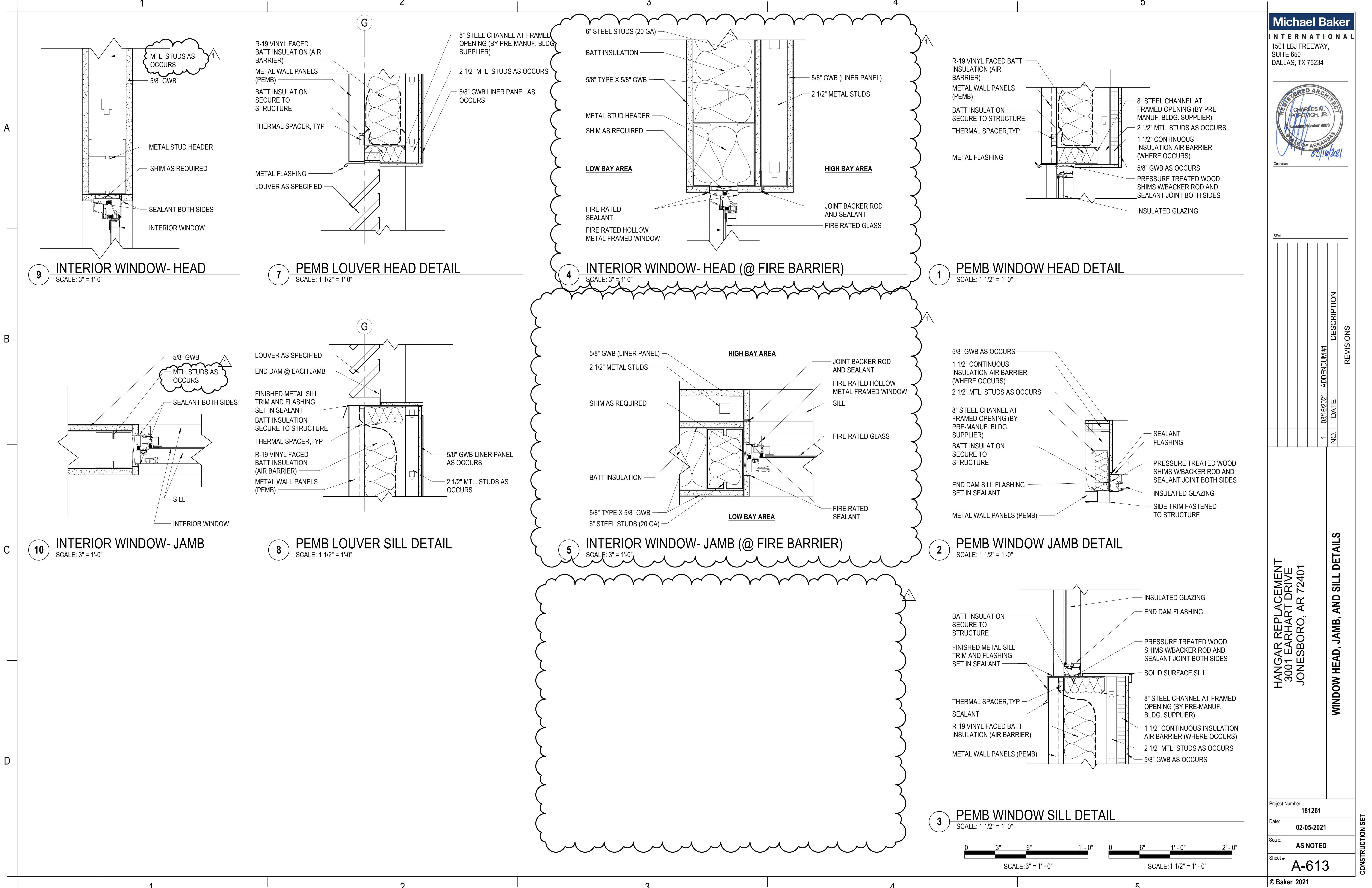
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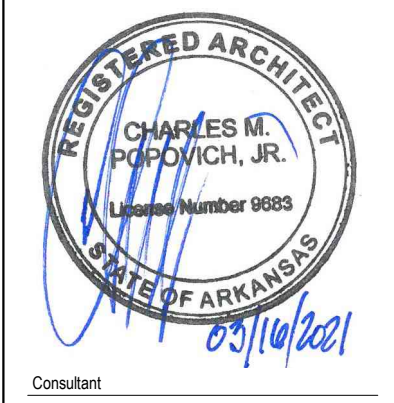
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HANGAR REPLACEMENT  
3001 EARHART DRIVE  
JONESBORO, AR 72401

WINDOW HEAD, JAMB, AND SILL DETAILS

Project Number:	181261
Date:	02-05-2021
Scale:	AS NOTED
Sheet #	A-613
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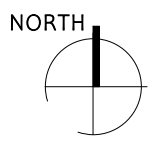
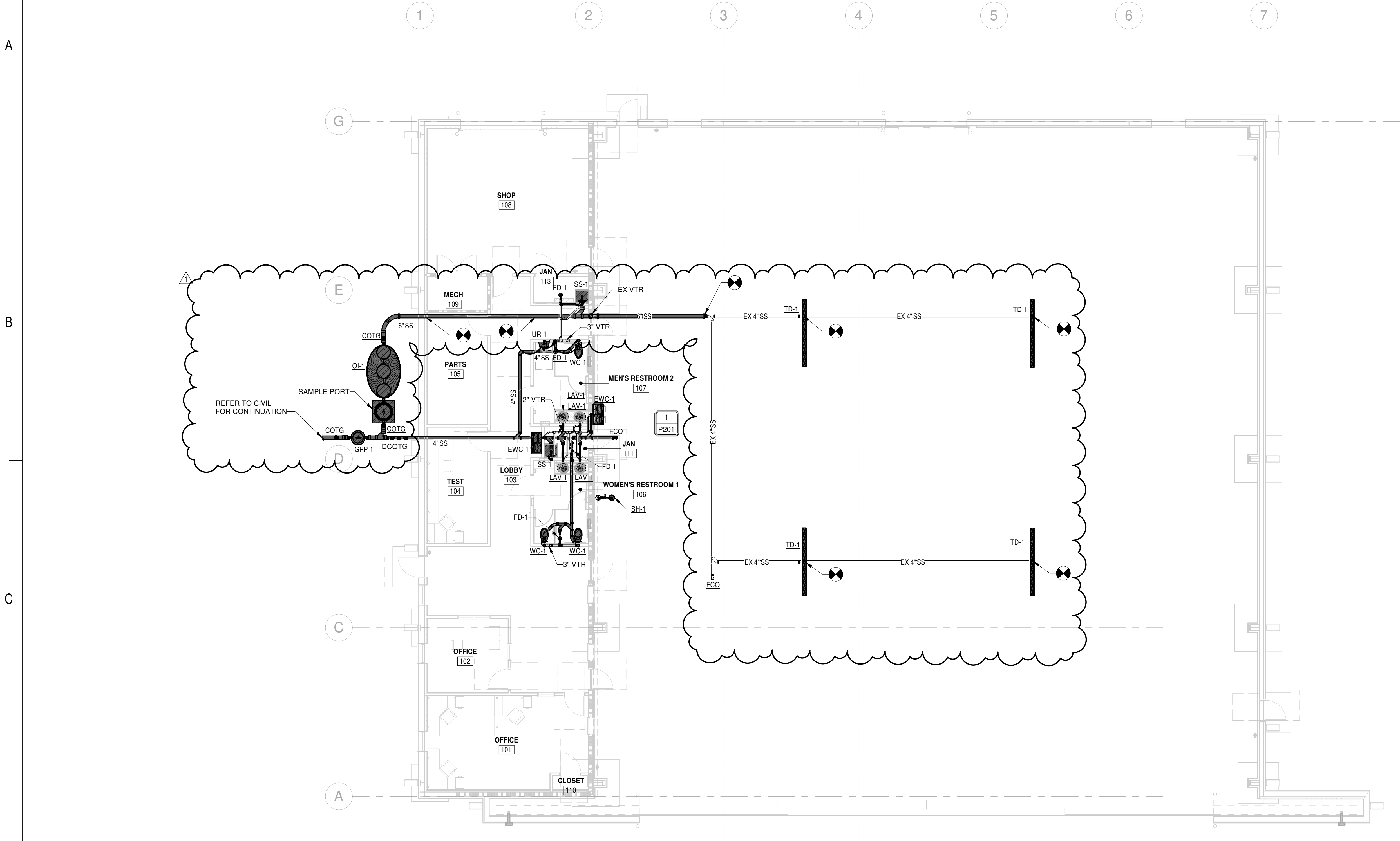


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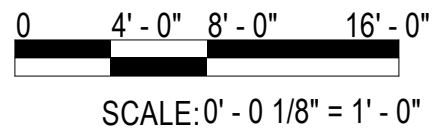
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# FLOOR PLAN - SANITARY SEWER AND VENT

1/8" = 1'-0"



SCALE: 0' - 0 1/8" = 1' - 0"

## GENERAL NOTES

- PIPE SIZES SHOWN ON SANITARY SEWER AND VENT RISER DIAGRAM ON SHEET P201 - PLUMBING RISER DIAGRAMS.

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HANGAR REPLACEMENT  
3001 EARHART DRIVE  
JONESBORO, AR 72401

FLOOR PLAN - SANITARY SEWER AND VENT

Project Number: 181261

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HANGAR REPLACEMENT  
3001 EARHART DRIVE  
JONESBORO, AR 72401

PLUMBING RISER DIAGRAM

## PLUMBING RISER DIAGRAMS

Sheet # P20

## CONSTRUCTION SET



NOT TO SCALE:



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PLUMBING FIXTURE SCHEDULE										
DESIGNATION	FIXTURE TYPE	BASIS OF DESIGN		PIPE CONNECTION SIZE				TRAP	DESCRIPTION	
		MANUFACTURER AND MODEL	ACCESSORIES	COLD	HOT	WASTE	VENT			
<u>WC-1</u>	WATER CLOSET	AMERICAN STANDARD "MADERA 16-1/2" #3043.001, ZURN Z6000 FLUSH VALVE	CENTOCO #1500STSCSS HEAVY DUTY OPEN FRONT LESS COVER SEAT, ZURN Z8802-XL-Q-PC QUARTER TURN STOP	1"	-	4"	2"	INTEGRAL	ADA COMPLIANT, 1.6 GPF, FLOOR MOUNTED, VITREOUS CHINA, MANUAL FLUSHVALVE, ELONGATED BOWL, SEAT - OPEN FRONT SEAT, SELF SUSTAINING, LESS COVER	
<u>LAV-1</u>	LAVATORY ADA	AMERICAN STANDARD "TROPIC OVA" #0405.008EC.050, T&S BRASS #B-2701 FAUCET	ZURN #Z8746-PC STRAINER, ZURN #Z8802-XL-LRLK-PC-CE STOPS, ZURN Z78700-PC TRAP, LEONARD #170A-LP-CP THERMOSTATIC MIXING VALVE	1/2"	1/2"	2"	2"	1-1/4"	ADA COMPLIANT, 20-1/2"x17-1/2", COUNTER TOP, WHITE VITREOUS CHINA, BACK OVERFLOW, CENTER HOLE ONLY, CHROME PLATED OPEN GRID DRAIN STRAINER, CHROME PLATED SUPPLY STOPS AND TRAP, FAUCET - 0.5 GPM AERATOR, MANUAL, SINGLE LEVER DECK MOUNT, LEAD FREE, CHROME PLATED THERMOSTATIC MIXING VALVE	
<u>UR-1</u>	URINAL ADA	AMERICAN STANDARD "WASHBROOK" #6590.001, DELANEY "SABER" #S451-0.5-T.106	ZURN Z-1221 CARRIER	3/4"	-	2"	2"	INTEGRAL	URINAL - ADA COMPLIANT, 14-1/8"x18-7/8"x45"H, WALL MOUNTED, VITREOUS CHINA, 3/4" EXPOSED TOP SPUD,WASHOUT ACTION, FLUSH VALVE - 0.5 GPF, MASHAERATOR SELF-CLEANING BYPASS DIAPHRAGM	
<u>EW-1</u>	ELECTRIC WATER COOLER	ELKAY LZSTL8SC	ZURN Z-1225BL CARRIER	1/2"	-	2"	2"	1-1/4"	ELECTRIC WATER COOLER, 8 GPH OF 50 DEG. F DRINKING WATER AT 90 DEG. F AMBIENT AND 80 DEG. F INLET WATER, PUSHBAR ACTIVATION, STAINLESS STEEL CABINET, STAINLESS STEEL BASIN WITH INTEGRAL DRAIN, FLEXIBLE ANTI-MICROBIAL BUBBLER, UNIT SHALL MEET ADA GUIDELINES	
<u>SH-1</u>	EMERGENCY SHOWER	GUARDIAN G1662SSH	GUARDIAN G3600LF THERMOSTATIC MIXING VALVE	1-1/4"	1-1/4"	-	-	-	ADA COMPLIANT SHOWER SAFETY STATION, PLASTIC SHOWER HEAD, STAINLESS STEEL BOWL, POWDER-COATED CAST ALUMINUM FLAG HANDLE AND FLOOR FLANGE	
<u>SS-1</u>	SERVICE SINK	STERN WILLIAMS SB-900 SERVICE SINK, T&S BRASS B-2605-BSTFA FAUCET	1/2" HOSE AND WALL HOOK, 1-1/2" MOP HANGER	1/2"	1/2"	3"	2"	3"	SERVICE SINK- 24"x24"x12" FLOOR MOUNTED, PRE-CAST TERRAZO, STAINLESS STEEL CAPS, FAUCET - CHROME PLATED, LEAD FREE, 6" WRIST BLADE CONTROLS, 3/4" HOSE, THREADED OUTLET, COMPRESSION CARTRIDGES WITH SPRING CHECK VALVES, UPPER SUPPORT ROD	
<u>TD-1</u>	TRENCH DRAIN	AWI STAINLESS STEEL TRENCH DRAIN - 10 FT	----	-	-	4"	-	4"	TRENCH DRAIN - 10 FT LONG, 6" WIDE TROUGH, V-BOTTOM, 12 GAUGE 304 STAINLESS STEEL, 4" CENTER OUTLET, SLOTTED GRATE FORKLIFT RATED, 1/8" PER FT SLOPE, INSTALL PER MANUFACTURER'S RECOMMENDATIONS	
<u>FPWH</u>	FREEZE PROOF HOSE BIBB	ZURN Z-1300 ELOLOTROL FREEZE PROOF WALL HYDRANT	-	3/4"	-	-	-	-	FREEZE PROOF HOSE BIBB WITH STAINLESS STEEL BOX AND COVER	
<u>HB</u>	WALL MOUNTED HOSE BIBB	WOODFURD MODEL 84 WITH KEY LOCK	PROVIDE TEE KEY	3/4"	-	-	-	-	ANTI SIPHON VACUUM BREAKER , 3/4" INLET AND OUTLET, PACKING NUT SECURED WITH LOCK NUT. EXTERIOR FINISH TO BE CHROME PLATED. PROVIDE LOOSE TEE KEY WITH EACH HOSE BIBB.	

PLUMBING EQUIPMENT SCHEDULE							
DESIGNATION	EQUIPMENT	BASIS OF DESIGN	PIPING CONNECTIONS	NATURAL GAS INPUT	ELECTRIC (VOLT / PH / HZ)	POWER	REMARKS
<u>WH-1</u>	NATURAL GAS TANK WATER HEATER	AOMSITH: XCR-30R	3/4" CW, 3/4" HW, 1/2" GAS, 4" VENT, 1/2" CONDENSATE	35,500	120V/1/60	-	NATURAL GAS TANK WATER HEATER -36 GPH @ 90°F, TANK TYPE, HIGH TEMP ENAMEL TANK LINING, MAGNESIUM ANODE ROD RIGIDLY SUPPORTED, 150 PSI WORKING PRESSURE RATING, HIGH LIMIT CONTROL, CSA/ASME RATED T&P RELIEF VALVE, UL SEAL OF CERTIFICATION, COMPLETELY FACTORY ASSEMBLED. 6 YEAR WARRANTY.
<u>ET-1</u>	EXPANSION TANK	ZURN WTTA-5	3/4"	-	-	-	
<u>GP-1</u>	GRINDER STATION PUMP STATION	LIBERTY 248 LSG	1-1/4"	-	208/1	15 AMP	2 HP, PROVIDE WITH ON/OFF FLOAT SWITCH, IN NEMA 4X OUTDOOR ALARM WITH VISUAL AND AUDIBLE ALARM

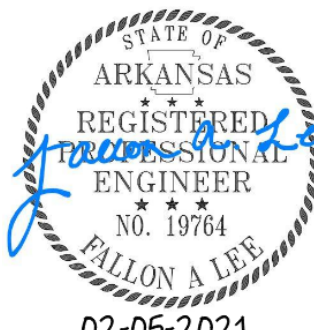
PLUMBING SPECIALITIES SCHEDULE				
DESIGNATION	FIXTURE	DESCRIPTION	SIZE	OUTLET
<u>WCO</u>	WALL CLEAN OUT	WADE 8304 WITH ROUND CHROME COVER PLATE AND FRAME, COUNTERSUNK SCREWS	AS NOTED	-
<u>FCO</u>	FLOOR CLEANOUT	WADE 6000-1 CAST IRON, GASKETED HUB OUTLET, THREADED ADJUSTABLE HOUSING, BRONZE PLUG, NICKEL BRONZE SCORIATED TOP, VANDAL-PROOF SCREWS.	AS NOTED	-
<u>FD-1</u>	FLOOR DRAIN	ZURN ZN-415-S6" WITH CAST IRON BODY AND NICKEL BRONZE STRAINER.	AS NOTED	-
<u>FS-1</u>	FLOOR SINK	ZURN ZN-1901-2-32 WITH CAST IRON BODY AND NICKEL BRONZE FRAME AND 1/2" GRATE	AS NOTED	-
<u>RPZ-1</u>	BACKFLOW PREVENTER	WILKINS 975XL2 REDUCED PRESSURE ASSEMBLY WITH BRONZE WYE TYPE STRAINER AND AIR GAP	1"	-
<u>OI-1</u>	OIL AND SOLID INTERCEPTOR	ZURN OMC500 - OIL INTERCEPTOR. INSTALL PER MANUFACTURER'S RECOMMENDATION. PROVIDE H2O TRAFFIC LOADING COVER COVER, EXTENSION COLLAR	500 GAL	4"
	WATER HAMMER ARRESTORS	ZURN Z1700 WATER HAMMER ARRESTOR, SIZED IN ACCORDANCE WITH PDI-WH201 AND ASSE-1010. BELLOWS AND CASING SHALL BE CONSTRUCTED OF STAINLESS STEEL, MAXIMUM WORKING PRESSURE OF 125 PSIG.	AS NOTED	-

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SE...

02-05-2021

DESCRIPTION

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DATE

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HANGAR REPLACEMENT  
3001 EARTH DRIVE  
JONESBORO, AR 72401

PLUMBING SCHEDULES

Project Number:  
181261

Date:  
02-05-2021

Scale:  
AS NOTED

Sheet #  
P401

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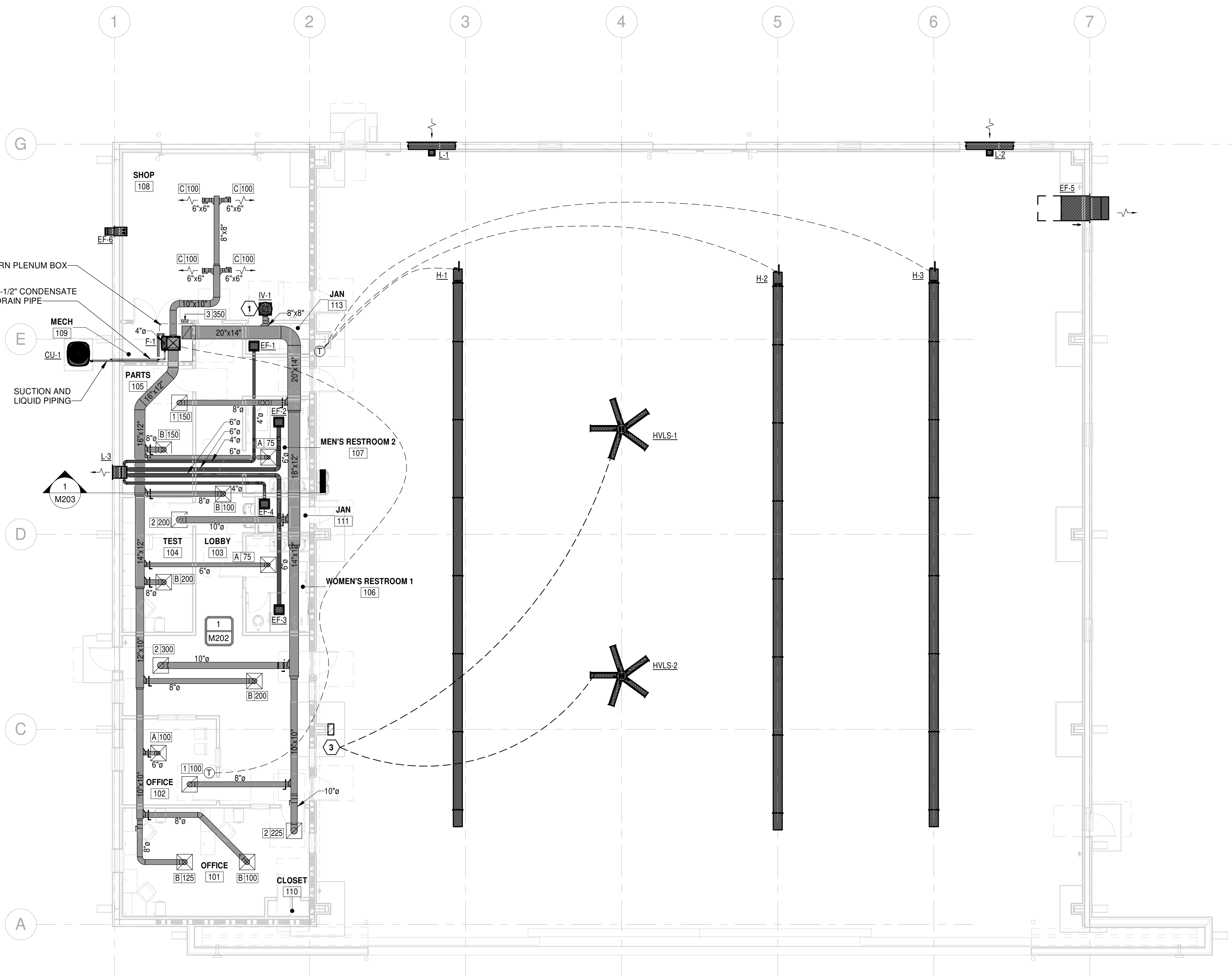


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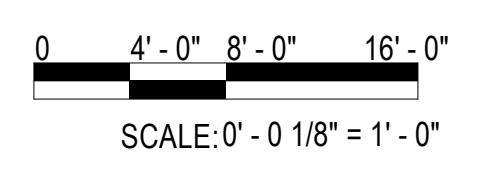
**1 FLOOR PLAN - HVAC DUCTWORK**  
1/8" = 1'-0"

**GENERAL NOTES**

1. SLEEVE AND SEAL ALL PIPING THROUGH WALLS.
2. SIZE REFRIGERANT PIPING PER MANUFACTURER'S RECOMMENDATIONS.

**KEYED NOTES**

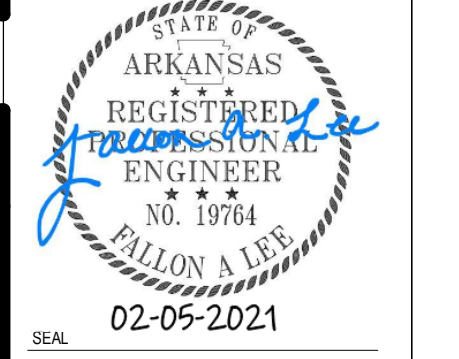
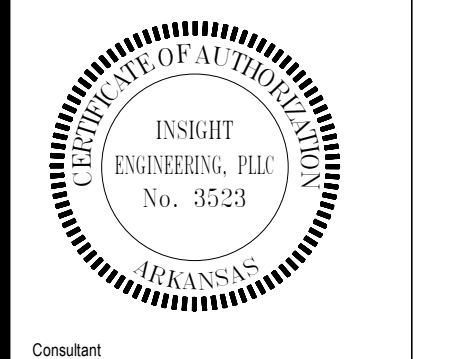
- 1 8"x8" OSA DUCT DOWN FROM INTAKE VENT (IV-1) ON ROOF. INTAKE VENT (IV-1) SHALL BE A MINIMUM OF 10'-0" AWAY FROM FLUE DUCT ON ROOF.
- 2 ROUTE 1-1/2" CONDENSATE PIPE DOWN FROM FURNACE (F-1), LOW TO FLOOR/WALL, THRU EXTERIOR WALL, TURN PIPE DOWN AND TERMINATE 6" ABOVE GRADE. PROVIDE WITH INSECT SCREEN AT END OF CONDENSATE DRAIN PIPE.
- 3 HVLS FAN CONTROLLER



SCALE: 0' - 0 1/8" = 1' - 0"

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**HANGAR REPLACEMENT**  
3001 EARHART DRIVE  
JONESBORO, AR 72401

**FLOOR PLAN - HVAC DUCTWORK**

Project Number: **181261**  
Date: **02-05-2021**  
Scale: **AS NOTED**  
Sheet #: **M101**



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CONDENSING UNITS AND DIRECT EXPANSION COILS											ELECTRICAL					
DESIGNATION	REFERENCE PRODUCT	NO. OF CONDENSOR FANS	REFRIGERANT TYPE	TOTAL COOLING (MBH)	SENSIBLE COOLING (MBH)	TOTAL AIRFLOW (CFM)	OUTSIDE AIRFLOW (CFM)	AIR EDB / EWB (DEGREE F)	AIR LDB / LWB (DEGREE F)	AMBIENT AIR TEMPERATURE (DEGREE F)	MINIMUM EER	VOLTS	PHASE	MCA	MOP	REMARKS
CU-1	TRANE: 4TXCD008DS3 + 4TTR4060L1	1	R-410A	55.8	42.1	1425	270	80 / 67	58.0 / 56.8	95	11.7	230	1	31	50	INSTALL PER MANUFACTURER'S INSTRUCTIONS. PROVIDE HAIL GUARD FOR CONDENSING UNIT.

GAS FIRED DUCT FURNACE													REMARKS
DESIGNATION	REFERENCE PRODUCT	SERVES	AIR FLOW RATE (CFM)	OUTSIDE AIRFLOW (CFM)	TEMP RISE (DEGREE F)	NATURAL GAS INPUT (MBH)	HEATING OUTPUT (MBH)	ASSOCIATED DX/COIL CONDENSING UNIT	FLUE DIAMETER	WEIGHT (LBS)	VOLTS	PHASE	
F-1	TRANE: S9X1C080U5PSB	OFFICE AREA	1425	270	40	80	78	CU-1	4	160	120	1	INSTALL AND MOUNT DUCT MOUNTED FURNACE PER MANUFACTURER'S INSTRUCTIONS.

EXHAUST FANS												
DESIGNATION	REFERENCE PRODUCT	TYPE	SERVES	DRIVE	ROTATION (RPM)	AIR FLOW RATE (CFM)	STATIC PRESSURE (IN. WATER)	SONES	MOTOR SIZE	ELECTRICAL		REMARKS
									BHP	VOLTS	PHASE	
EF-1	GREENHECK: SPB70	CEILING	113 JAN	DIRECT	675	35	0.2	1	0.1	120	1	FAN SHALL OPERATE CONTINUOUSLY DURING OCCUPIED HOURS. INSTALL PER MANUFACTURER'S INSTRUCTIONS
EF-2	GREENHECK: SPB110	CEILING	107 MENS RR	DIRECT	950	100	0.2	1.5	0.1	120	1	INTERLOCK FAN WITH LIGHTSWITCH. INSTALL PERMANUFACTURER'S INSTRUCTIONS
EF-3	GREENHECK: SPB70	CEILING	106 WOMENS RR	DIRECT	950	100	0.2	1	0.1	120	1	INTERLOCK FAN WITH LIGHTSWITCH. INSTALL PERMANUFACTURER'S INSTRUCTIONS
EF-4	GREENHECK: SPB69	CEILING	110 JAN	DIRECT	675	35	0.2	1	0.1	120	1	FAN SHALL OPERATE CONTINUOUSLY DURING OCCUPIED HOURS. INSTALL PER MANUFACTURER'S INSTRUCTIONS
EF-5	GREENHECK: SBE-2L30	WALL MOUNTED	HANGAR	BELT	450	10,000	0.25	20	1.3	240	1	FAN SHALL BE INTERLOCKED WITH LOUVERS. PROVIDE WALL COLLAR AND BIRD SCREEN. INSTALL PER MANUFACTURER'S INSTRUCTIONS. PROVIDE MOTOR STARTER AND ELECTRICAL DISCONNECT. FAN SHALL OPERATE DURING THE SUMMER AND WHEN A PLANE IS ENTERING/EXITING THE BUILDING.
EF-6	GREENHECK: SE1-8-440-VG	WALL MOUNTED	108 SHOP	DIRECT	1350	260	0.1	3.5	0.1	120	1	PROVIDE WALL COLLAR AND BIRD SCREEN. INSTALL PER MANUFACTURER'S INSTRUCTIONS. PROVIDE MOTOR STARTER AND ELECTRICAL DISCONNECT. ON/OFF WALL SWITCH SHALL BE PROVIDED. FAN SHALL OPERATE WHEN WELDER IS ON.

INTAKE VENTS										
DESIGNATION	REFERENCE PRODUCT	SERVES	TYPE	LENGTH (INCHES)	WIDTH (INCHES)	THROAT VELOCITY (FPM)	MAXIMUM AIR FLOW (CFM)	PRESSURE DROP (IN. WATER)	FINISH	REMARKS
IV-1	GREENHECK: GRSI-8	AH-1	GRAVITY	8	8	700	300	0.1	SPUN ALUMINIUM	PROVIDE MANUFACTURER'S ROOF CURB AND INSECT SCREEN. INSTALL PER MANUFACTURER'S INSTRUCTIONS.

RADIANT HEATERS - GAS								
DESIGNATION	REFERENCE PRODUCT	TUBE LENGTH (FT)	WEIGHT (LBS)	INPUT (BTU/HR)	ELECTRICAL			REMARKS
					VOLTS	PHASE	HP	
H-1,2,3	MODINE: IPT-150-S-01-11	60	65	160	120	1	0.3	PROVIDE STRAIGHT TUBE. INSTALL PER MANUFACTURER'S INSTRUCTIONS

AIR DEVICES									
DESIGNATION	REFERENCE PRODUCT	CONFIGURATION	MAXIMUM AIRFLOW (CFM)	TOTAL PRESSURE (IN. WATER)	NECK SIZE (IN.)	PANEL SIZE (IN.)	MAX. N. C.	FINISH	REMARKS
A	TITUS: OMNI AA	LAY-IN PLAQUE	225	0.099	6	24 x 24	30	WHITE	
B	TITUS: OMNI AA	LAY-IN PLAQUE	350	0.112	8	24 x 24	30	WHITE	
C	TITUS: 300FL	LAY-IN	100	0.1	6 x 6	8 x 8	30	WHITE	PROVIDE 22.5 DEGREE DEFLECTION.
1	TITUS: 50F	LAY-IN EGGRATE	300	0.095	8"	24 x 24	30	WHITE	1/2" x 1/2" x 1/2" ALUMINUM CORE. PROVIDE FILTER. USE SRG ADAPTER.
2	TITUS: 50F	LAY-IN EGGRATE	475	0.095	10"	24 x 24	30	WHITE	1/2" x 1/2" x 1/2" ALUMINUM CORE. PROVIDE FILTER. USE SRG ADAPTER.
3	TITUS: 350RL	LAY-IN	350	0.1	10 x 10	12 x 12	30	WHITE	PROVIDE 22.5 DEGREE DEFLECTION.

LOUVERS									
DESIGNATION	REFERENCE PRODUCT	TYPE	WIDTH (INCHES)	HEIGHT (INCHES)	DEPTH (INCHES)	MAXIMUM AIR FLOW (CFM)	PRESSURE DROP (IN. WATER)	FINISH	REMARKS
L-1,2	GREENHECK: EAD-634	INTAKE COMB DAMPER/LOUVER	72	40	6	5000	0.03	ALUMINUM	PROVIDE MANUFACTURER'S BIRD AND INSECT SCREEN. PAINT TO MATCH ADJACENT SURFACE.
L-3	GREENHECK: EDJ-401	EXHAUST STATIONARY	18	12	6	270	0.06	ALUMINUM	PROVIDE MANUFACTURER'S BIRD AND INSECT SCREEN. PAINT TO MATCH ADJACENT SURFACE.

HIGH VOLUME, LOW SPEED (HVLS) FANS							
DESIGNATION	REFERENCE PRODUCT	RPM	BLADE LENGTH	MOTOR HP	VOLTS / PHASE	WEIGHT (LBS)	REMARKS
HVLS-1,2	GREENHECK: DC-5-8	185	4	1/4	120 / 1	86	PROVIDE MULTI FAN CONTROLLER. INSTALL FAN AND CONTROLLER PER MANUFACTURER'S INSTRUCTIONS.

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Consultant



SEAL 02-05-2021

NO.	DATE	Addendum #1	DESCRIPTION	REVISIONS
1	03/16/2021			

HANGAR REPLACEMENT  
3001 EARHART DRIVE  
JONESBORO, AR 72401

MECHANICAL SCHEDULES

Project Number: 181261

Date: 02-05-2021

Scale: AS NOTED

Sheet # M301

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CONSTRUCTION SET

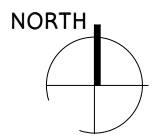
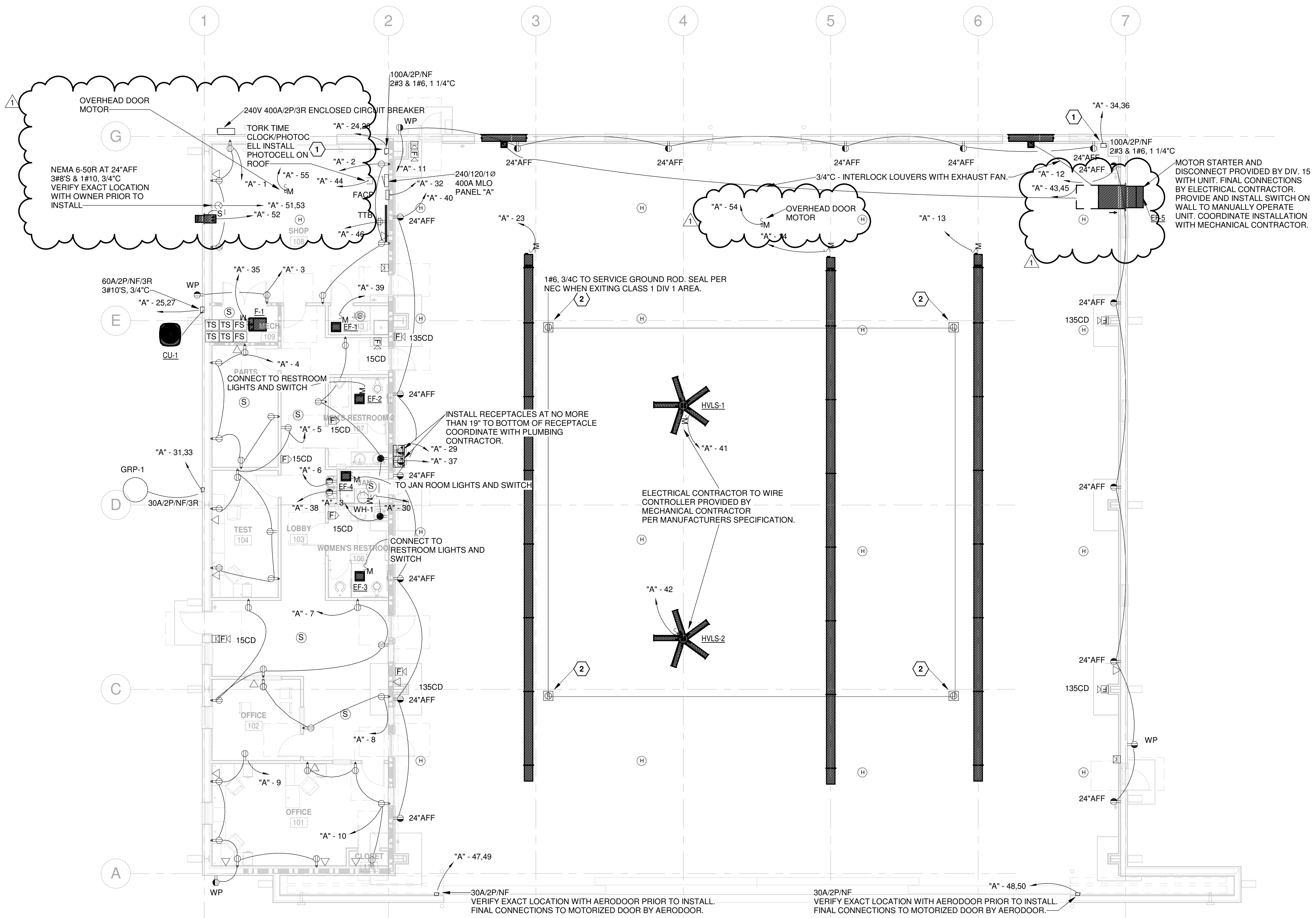


A

B

C

D



**1 FLOOR PLAN - POWER AND SYSTEMS**  
1/8" = 1'-0"



0 4' - 0" 8' - 0" 16' - 0"  
SCALE: 0" = 0 1/8" = 1' - 0"

GENERAL NOTES

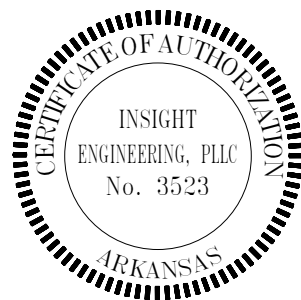
1. THE CONTRACTOR SHALL WITHIN HIS PRICE INCLUDE THE COST OF A LIGHTNING PROTECTION SYSTEM. SEE SPECIFICATIONS FOR REQUIREMENTS.

KEYED NOTES

- 1 ELECTRICAL CONTRACTOR TO FIELD VERIFY AND PROVIDE FINAL CONNECTION TO AIR COMPRESSOR.
- 2 STATIC GROUND RECEPTACLE EQUAL TO ERICO #B166. VERIFY ALL LOCATIONS WITH ARCHITECT/OWNER PRIOR TO INSTALL. 1#6, 3/4"C. CAD-WELD ALL CONNECTIONS. HOMERUN TO SERVICE GROUND ROD.

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SEAL 02-05-2021

REVISIONS		DESCRIPTION
NO.	DATE	ADDENDUM #1
1	03/16/2021	

HANGAR REPLACEMENT  
3001 EARHART DRIVE  
JONESBORO, AR 72401

FLOOR PLAN - POWER AND SYSTEMS

Project Number: 181261

Date: 02-05-2021

Scale: AS NOTED

Sheet # E102

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CONSTRUCTION SET