

Maintenance Building For: Jonesboro Country Club

Jonesboro, Arkansas



STRUCTURAL ENGINEER:
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ABBREVIATIONS	MATERIALS KEY	CODE DATA	INDEX TO DRAWINGS
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<p>ABOVE FINISH FLOOR ACOUSTICAL ALUMINUM APPROXIMATE BOTTOM OF FOOTING CEILING CENTER LINE EACH ELECTRIC WATER COOLER FINISH FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FLOOR GENERAL CONTRACTOR INSULATION JOINT KITCHEN FIRE EXTINGUISHER MECHANICAL METAL THRESHOLD NOMINAL NOT IN CONTRACT ON CENTER OWNER FURNISHED, CONTRACTOR INSTALLED</p> <p>PLATE REQUIRED SIMILAR SQUARE SUSPENDED TOP OF CURB TOP OF FOOTING TOP OF WALL/WALK TYPICAL WITH</p>	<p>A.F.F. ACOUST. ALUM. APPROX. B.O.F. CLG. CL. EA. E.W.C. FIN. F.E. F.E.C. FLR. G.C. INSUL. JNT. K.F.E. MECH. M.T. NOM. N.I.C. O.C. OFCI</p> <p>▬ REQ. SIM. SQ. SUSP. T.O.C. T.O.F. T.O.W. TYP. W/</p>
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<p>CONCRETE STEEL METAL STUDS CONCRETE BLOCK PLYWOOD FINISH WOOD BATT INSULATION GYPSUM BOARD RIGID INSULATION WOOD FRAMING COMPACT FILL GRAVEL FILL ASPHALT PAVING EXTERIOR SHEATHING</p>	
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SYMBOLS KEY	
SECTION	<p>SECTION NUMBER: A SHEET NUMBER: A500</p>
DETAIL	<p>DETAIL NUMBER: 1 SHEET NUMBER: A001</p>
DOOR	<p>100</p>
WINDOW	<p>A</p>
ALUMINUM FRAME	<p>AF-1</p>
HOLLOW METAL FRAME	<p>HMF-1</p>
EXISTING CONTOUR LINE	
NEW CONTOUR LINE	
NEW SPOT ELEVATION	<p>235.56</p>
FINISH ELEVATION	<p>ELEV. = 100.00</p>

ARKANSAS FIRE PREVENTION CODE, 2012 VOLUMES 1 & 2
2012 INTERNATIONAL BUILDING CODE WITH STATE AMENDMENTS
2006 ARKANSAS PLUMBING CODE
2010 ARKANSAS MECHANICAL CODE
2017 NATIONAL ELECTRICAL CODE
2006 INTERNATIONAL FUEL AND GAS CODES
2010 ADA STANDARDS FOR ACCESSIBLE DESIGN
A.C.A. 12-80-101 ET.SEQ. (ARKANSAS STATE LAW)

<p>OCCUPANCY CLASSIFICATION _____ Group S-1, Storage</p> <p>BUILDING AREA TOTAL _____ 4,800 square feet</p> <p>BUILDING HEIGHT _____ 21'-0"</p> <p>NUMBER OF STORIES _____ One (1)</p> <p>TYPE OF CONSTRUCTION _____ TYPE V-B - UnSprinklered</p> <p>ALLOWABLE HEIGHT (Table 503) _____ 40'-0"</p> <p>ALLOWABLE AREA (Table 503) First Floor _____ 9,000 sq. feet</p> <p>MAXIMUM NUMBER OF STORIES (Table 503) _____ One (1)</p>	<p>OCCUPANCY LOAD Storage Areas (Area / 500sq. ft gross per occupant) _____ 10</p> <p>TOTAL BUILDING OCCUPANCY _____ 10</p> <p>EXIT REQUIREMENTS Minimum door size _____ 36" (ADA) Exit access travel distance _____ 200'-0" Maximum common path of egress travel distance _____ 100'-0" Dead end corridor distance _____ 20'-0" Egress width per occupant _____ Other egress components _____ 2 inches</p> <p>Minimum number of exits _____ First Floor _____ One (1) Two (2) Provided</p> <p>SEISMIC DESIGN REQUIREMENTS Seismic Zone 3 Site Class D Seismic Design Category D Building Risk Category II</p>
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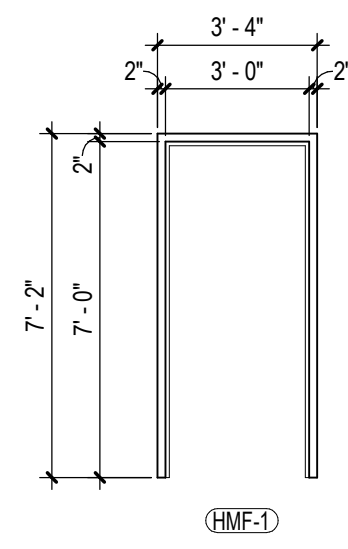
BUILDING SETBACKS
North _____ 30'-0" to nearest structure or property line
East _____ 30'-0" to nearest structure or property line
South _____ 30'-0" to nearest structure or property line
West _____ 30'-0" to nearest structure or property line

ARCHITECTURAL	
A001	DOOR SCHEDULE, VISUAL DOOR TYPES, HOLLOW METAL FRAME SCHEDULE AND DOOR DETAILS
A100	FLOOR PLAN
A101	ROOF PLAN AND DETAILS
A200	EXTERIOR BUILDING ELEVATIONS
A201	EXTERIOR BUILDING ELEVATIONS
A202	BUILDING SECTIONS
STRUCTURAL	
S100	FOUNDATION PLAN, DETAILS, AND GENERAL NOTES
S200	FRAMING PLAN AND NOTES

I HEREBY CERTIFY THAT THESE PLANS & SPECIFICATIONS HAVE BEEN PREPARED BY ME, OR UNDER MY DIRECT SUPERVISION. I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, THESE PLANS & SPECIFICATIONS ARE AS REQUIRED BY LAW & IN COMPLIANCE WITH THE ARKANSAS FIRE PREVENTION CODE FOR THE STATE OF ARKANSAS.

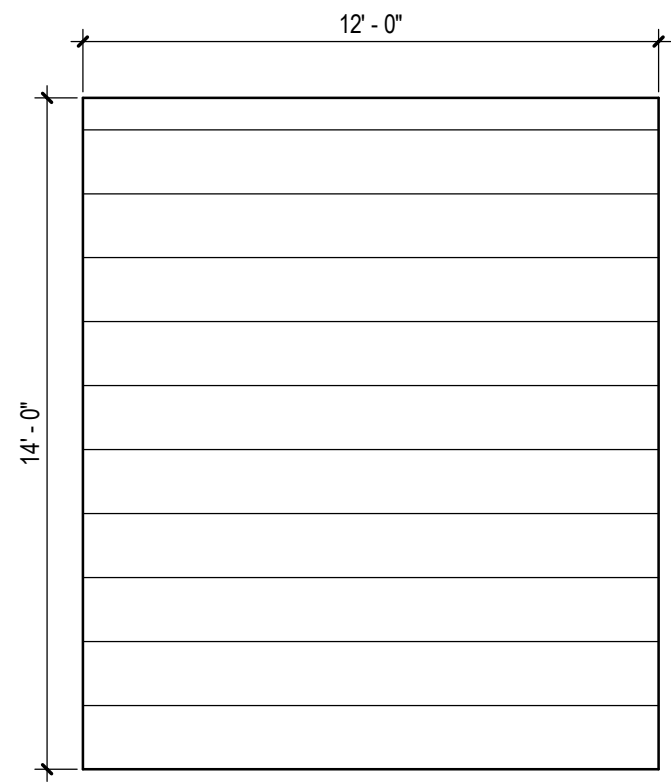
Kyle Cook

SET NUMBER

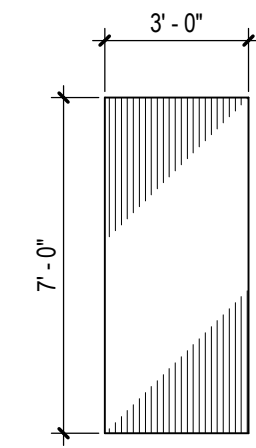


(HMF-1)

hollow metal frame schedule
1/4" = 1'-0"



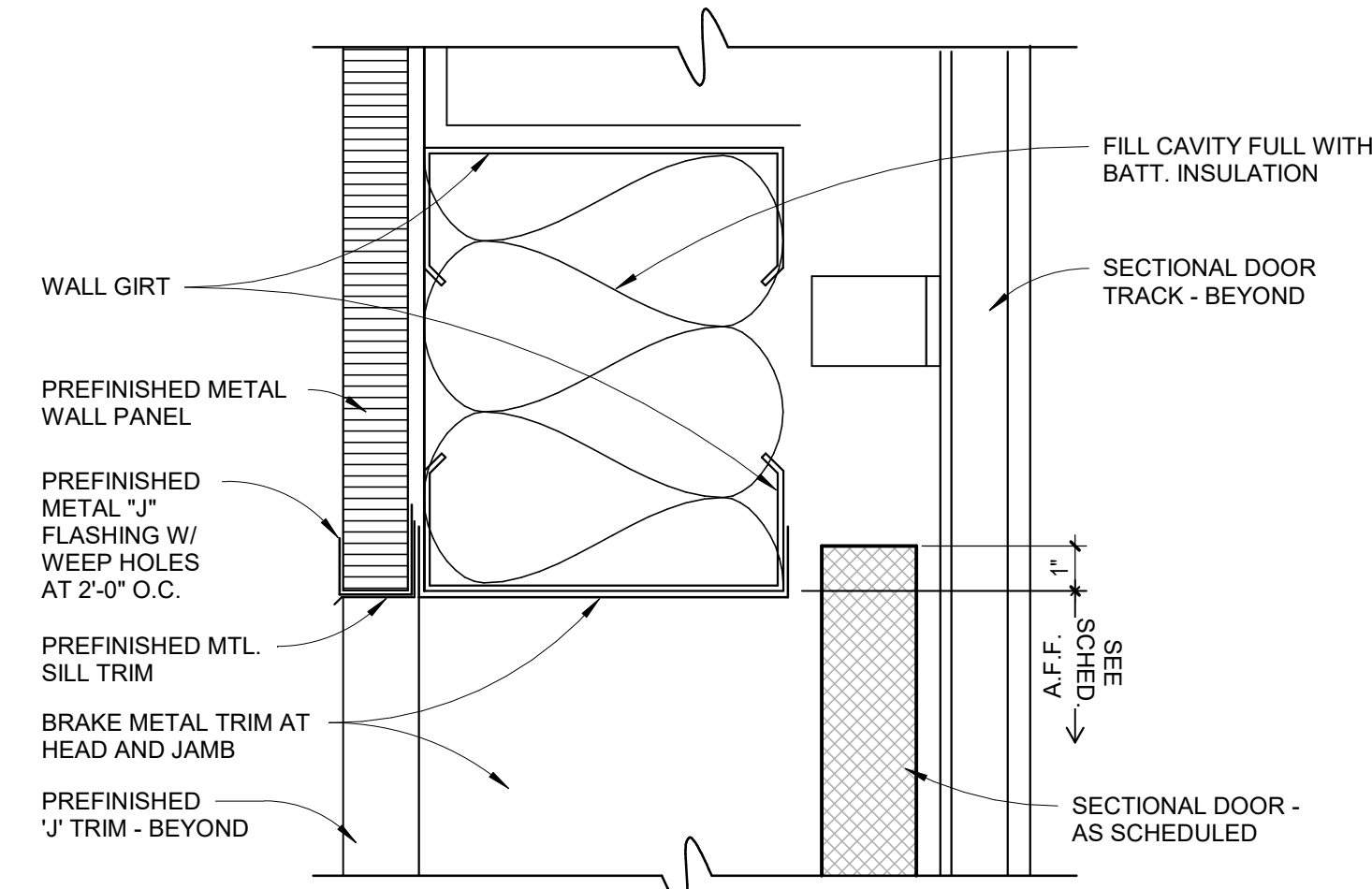
(B)
14'-0"x12'-0"
INSULATED
METAL
SECTIONAL
OVERHEAD DOOR



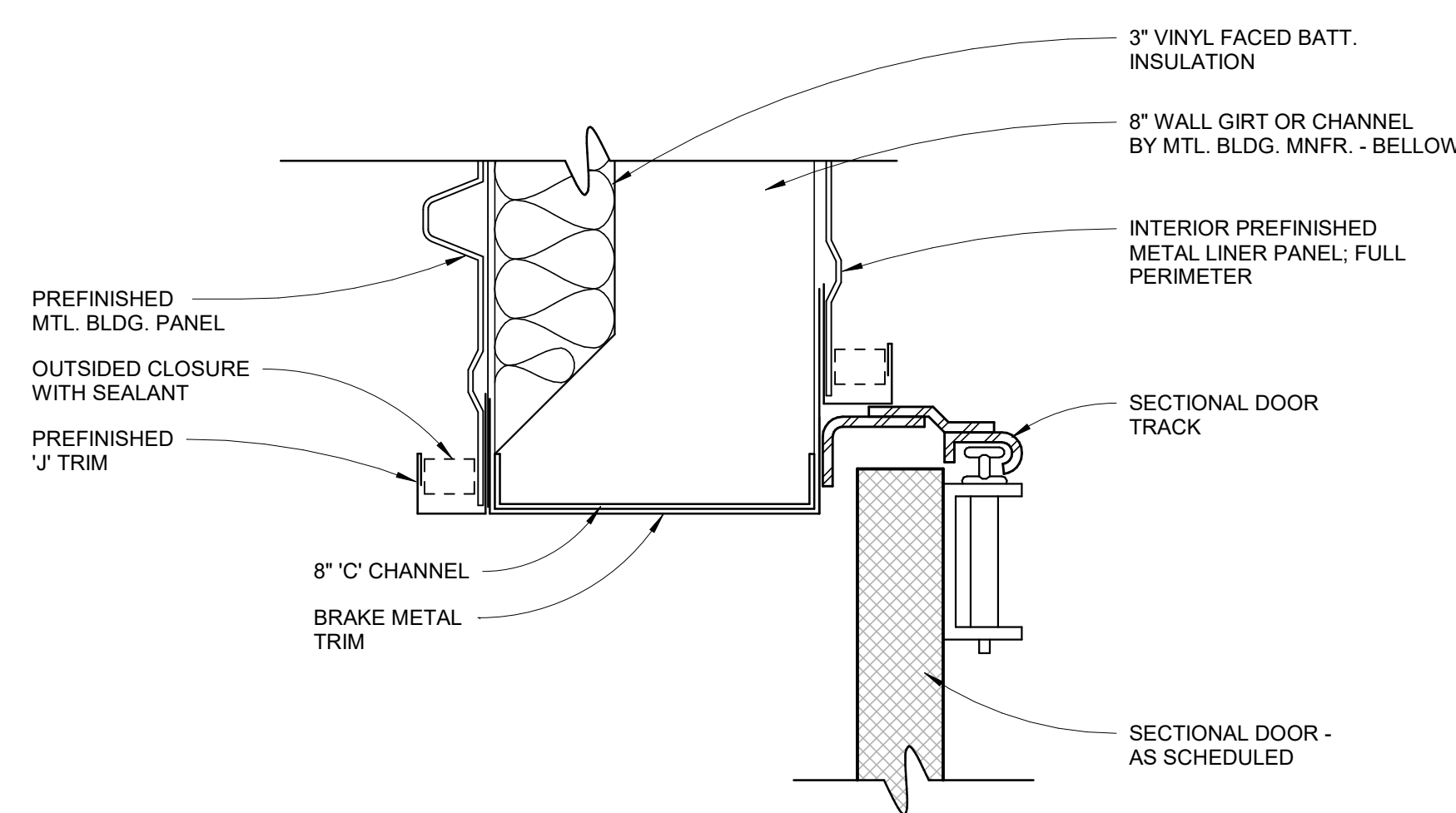
(A)
3'-0"x7'-0"x 3/4"
FLUSH HOLLOW
METAL DOOR
LABELED AS SCHEDULED

visual door types
1/4" = 1'-0"

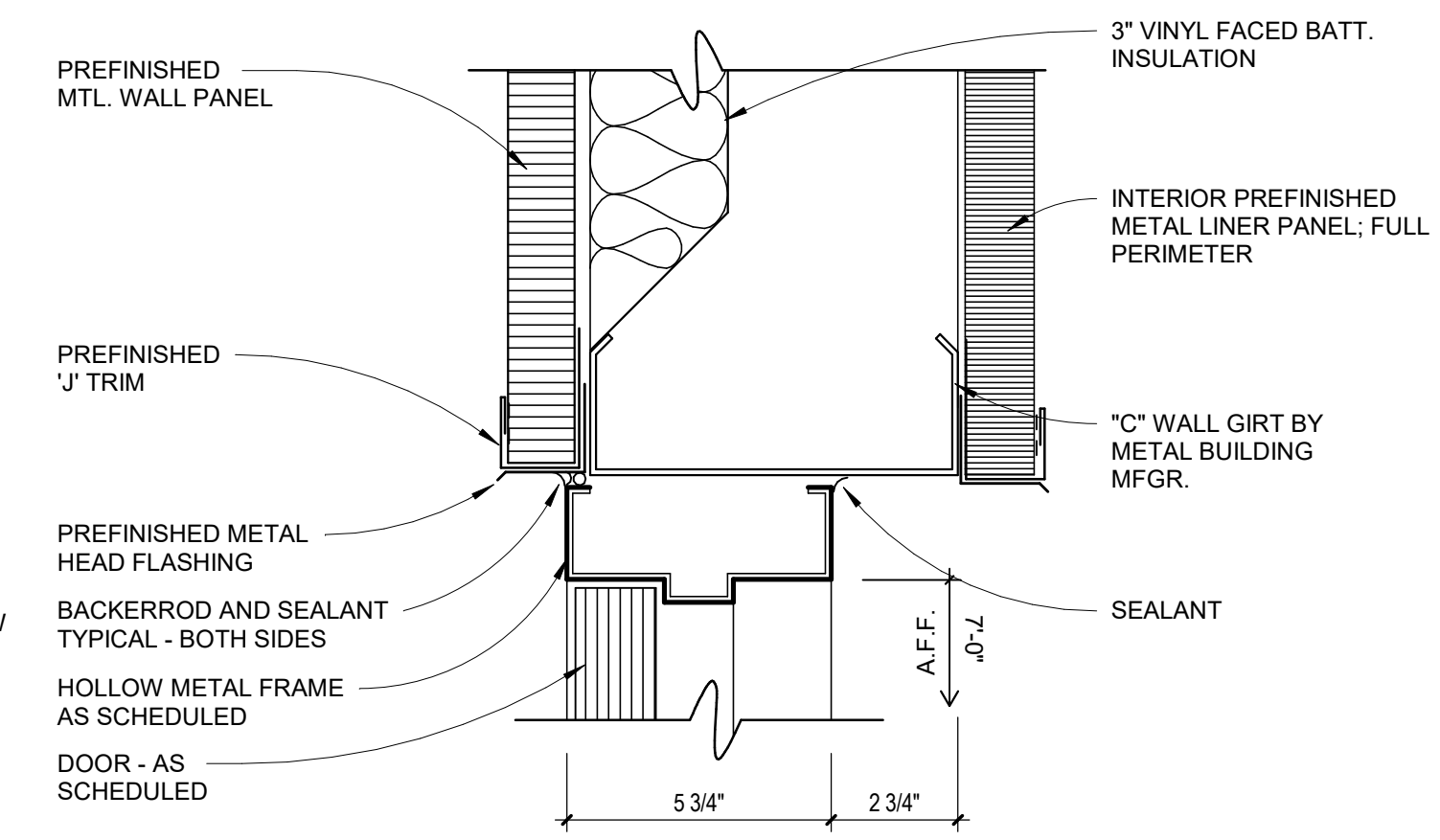
Door Number	DOOR				DETAILS			Label	HDWE	Remarks
	Type	Style	Threshold	Frame	Head	Jamb	Sill			
100A	A	Single	ALUM	HMF-1	1/A001	2/A001	3/A001		1	
100B	A	Single	ALUM	HMF-1	1/A001	2/A001	3/A001		1	
100C	B				4/A001	5/A001	6/A001		2	OVERHEAD SECTIONAL DOOR
100D	B				4/A001	5/A001	6/A001		2	OVERHEAD SECTIONAL DOOR



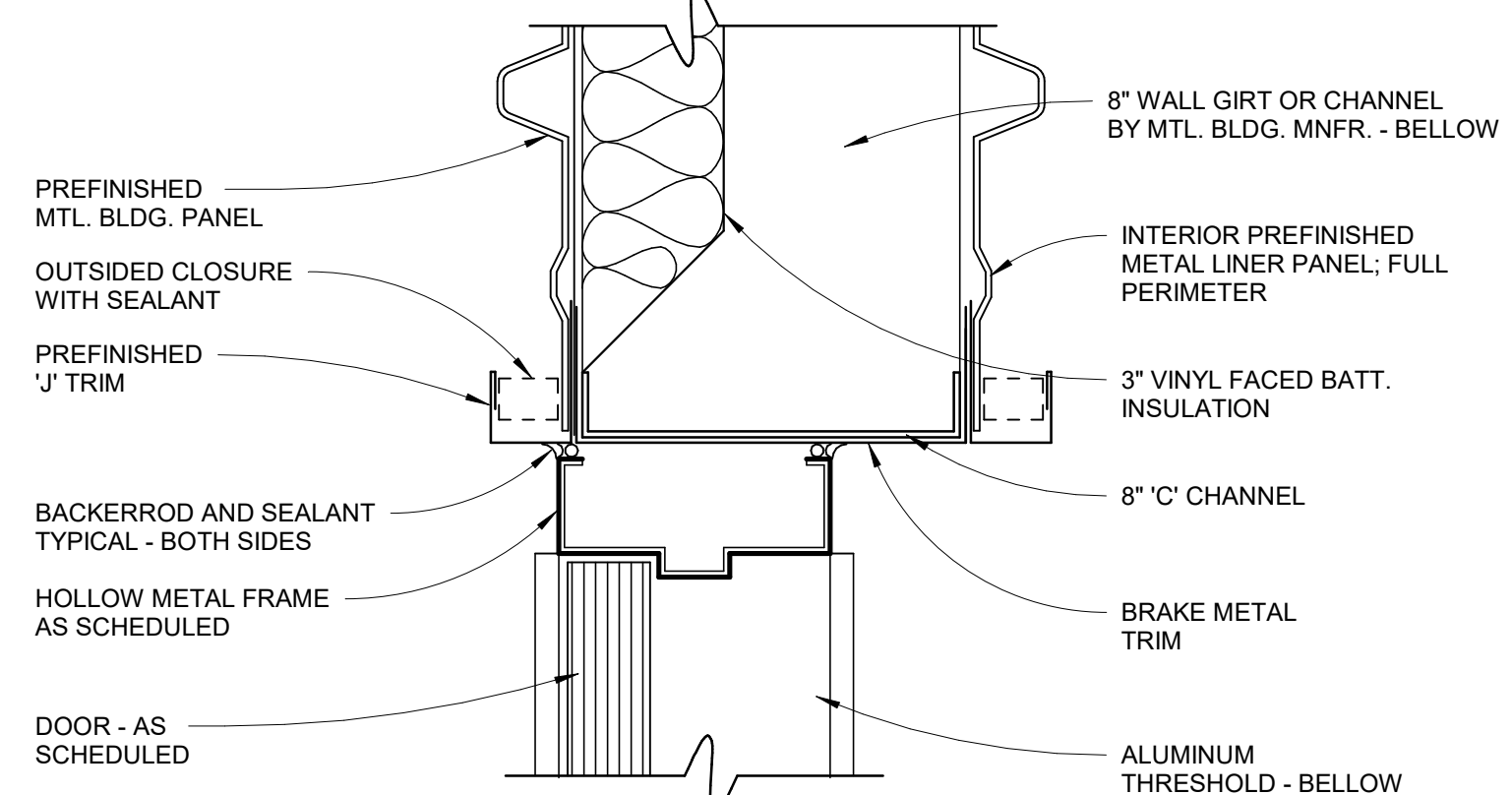
4 head detail at sectional door
SCALE: 3" = 1'-0"



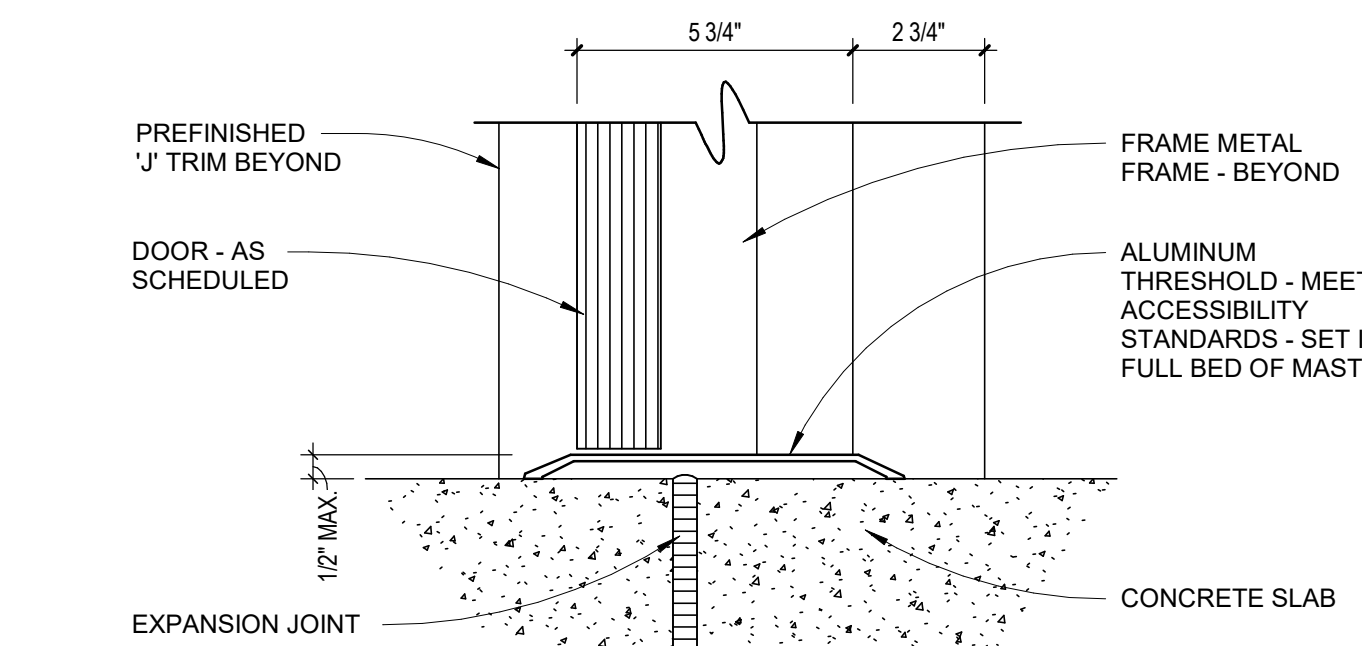
5 jamb detail at sectional door
SCALE: 3" = 1'-0"



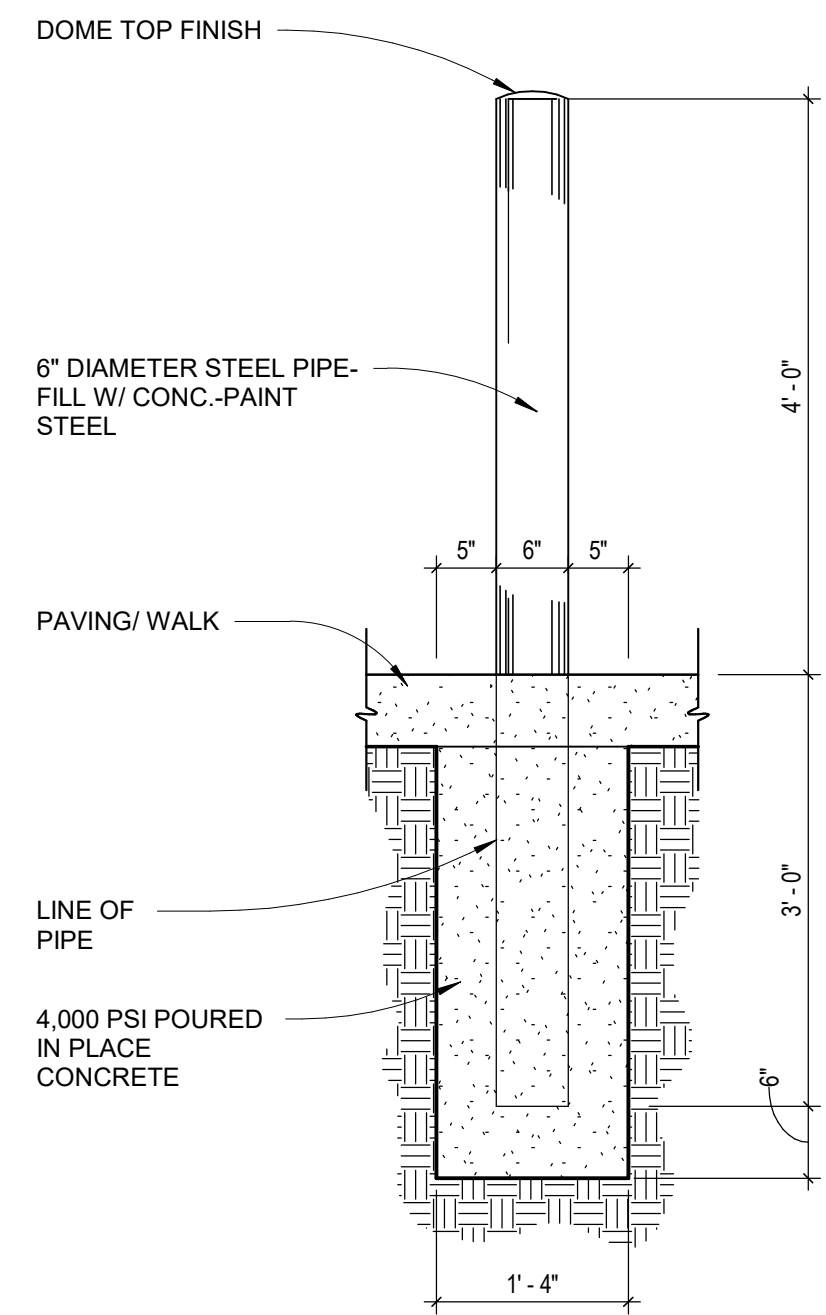
1 hmf head detail
SCALE: 3" = 1'-0"



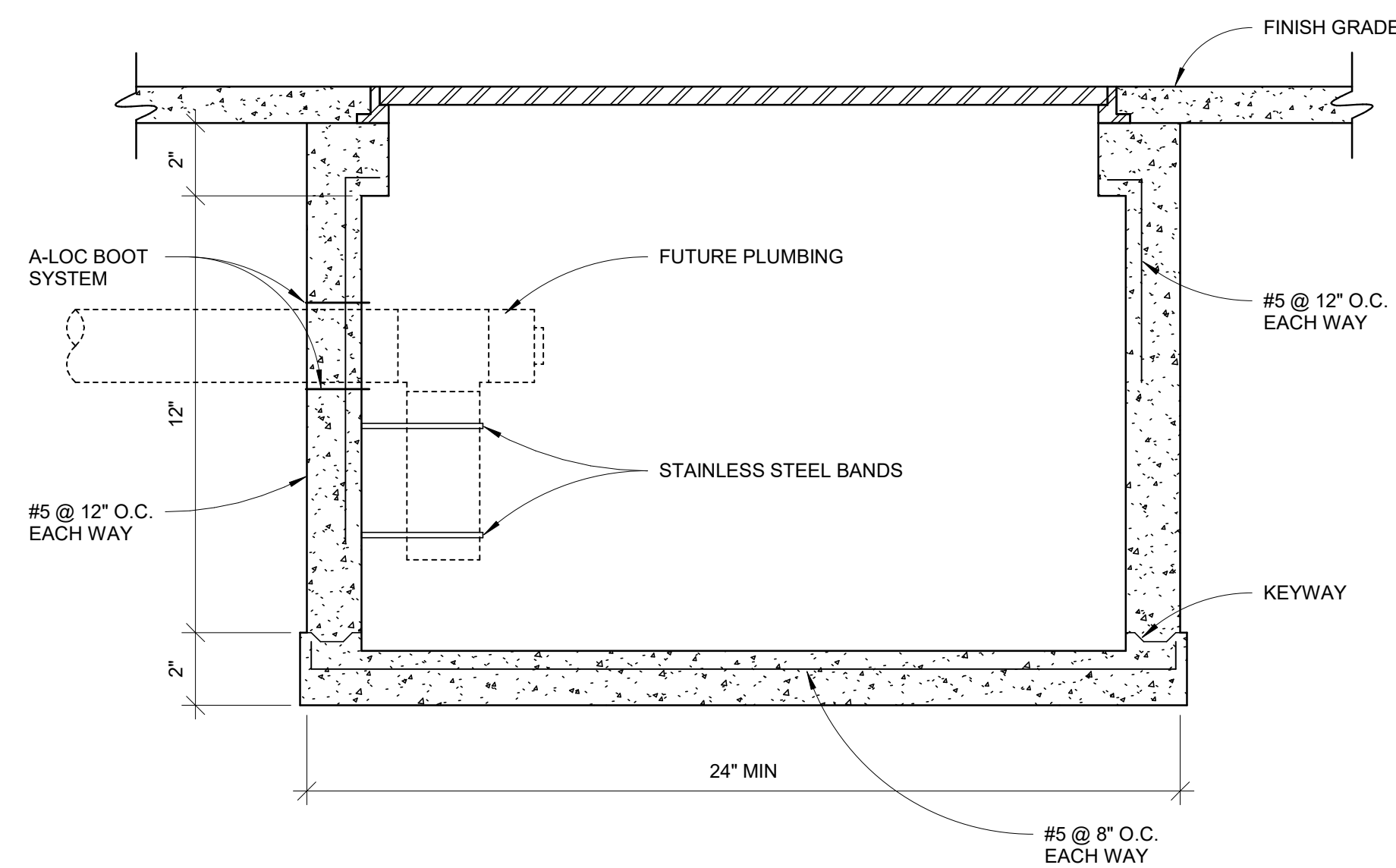
2 hmf jamb detail
SCALE: 3" = 1'-0"



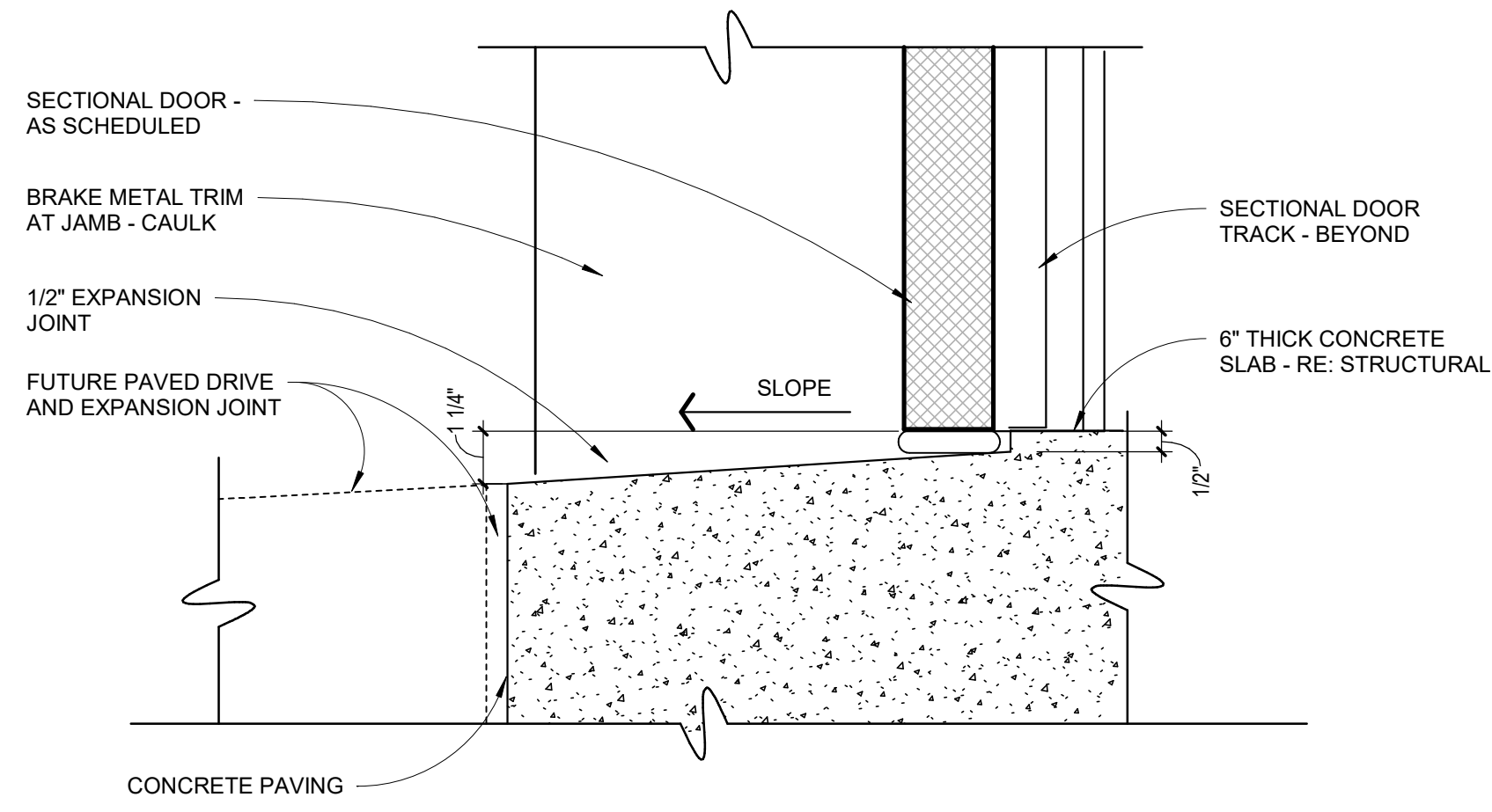
3 hmf sill detail
SCALE: 3" = 1'-0"



7 pipe bollard detail
SCALE: 3/4" = 1'-0"



8 catch basin detail
SCALE: 3" = 1'-0"



6 sill detail at sectional door
SCALE: 3" = 1'-0"

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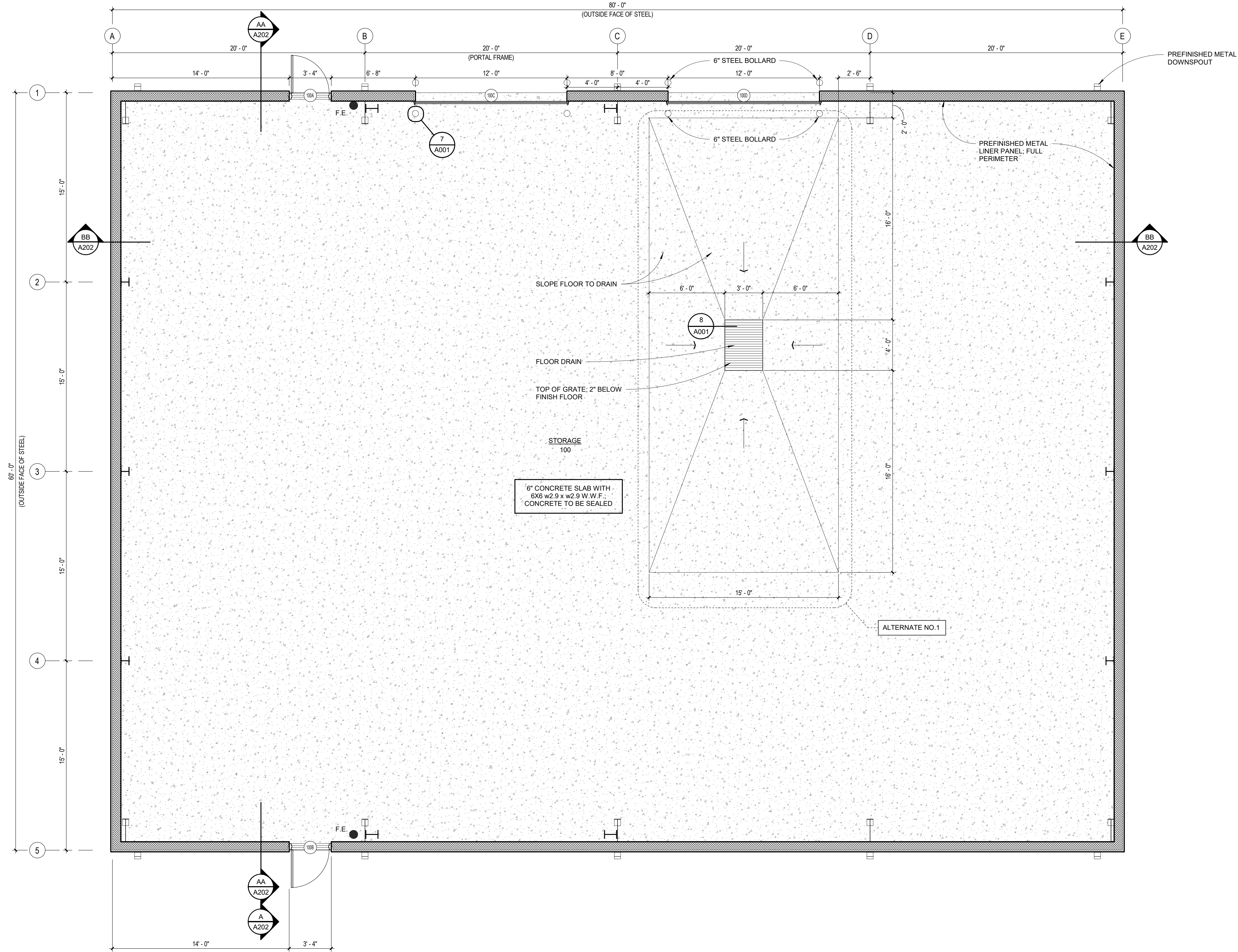
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Revision Schedule	Issued By

REGISTERED ARCHITECTS
C13
14 June 2021
Commission Number 2108
A001
Date: June 14, 2021

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floor plan
 SCALE: 1/4" = 1'-0"

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Rev. No.	Rev. Description	Rev. Date



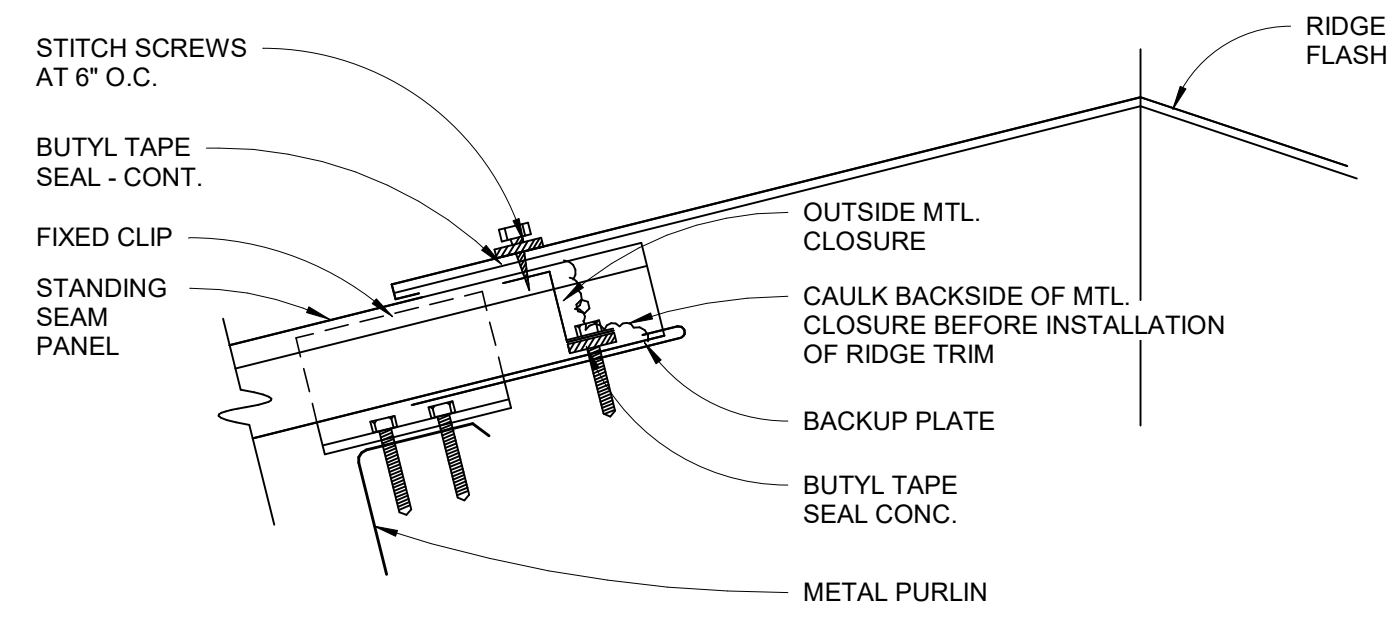
14 June 2021

Commission Number
 2108

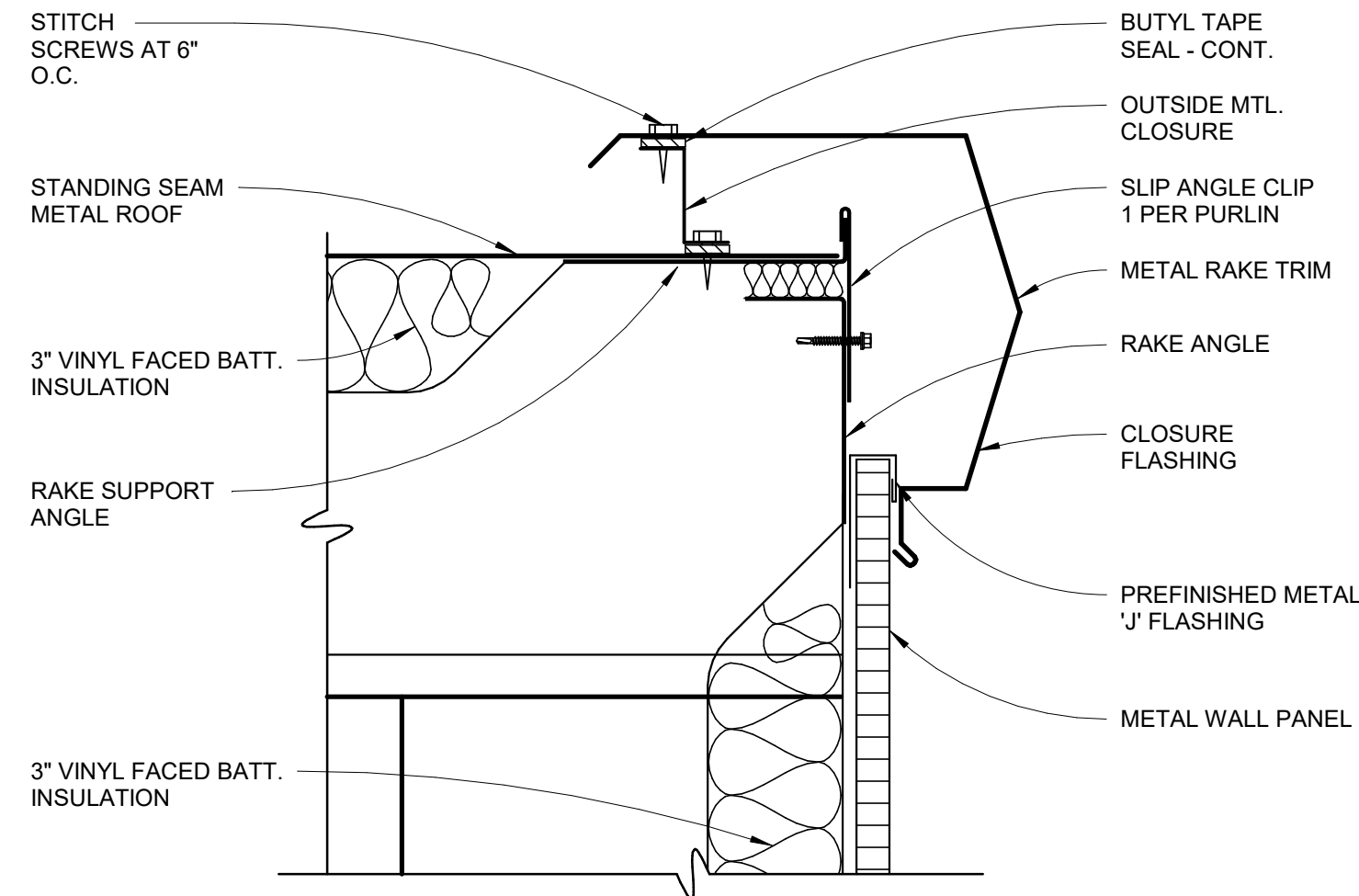
A100

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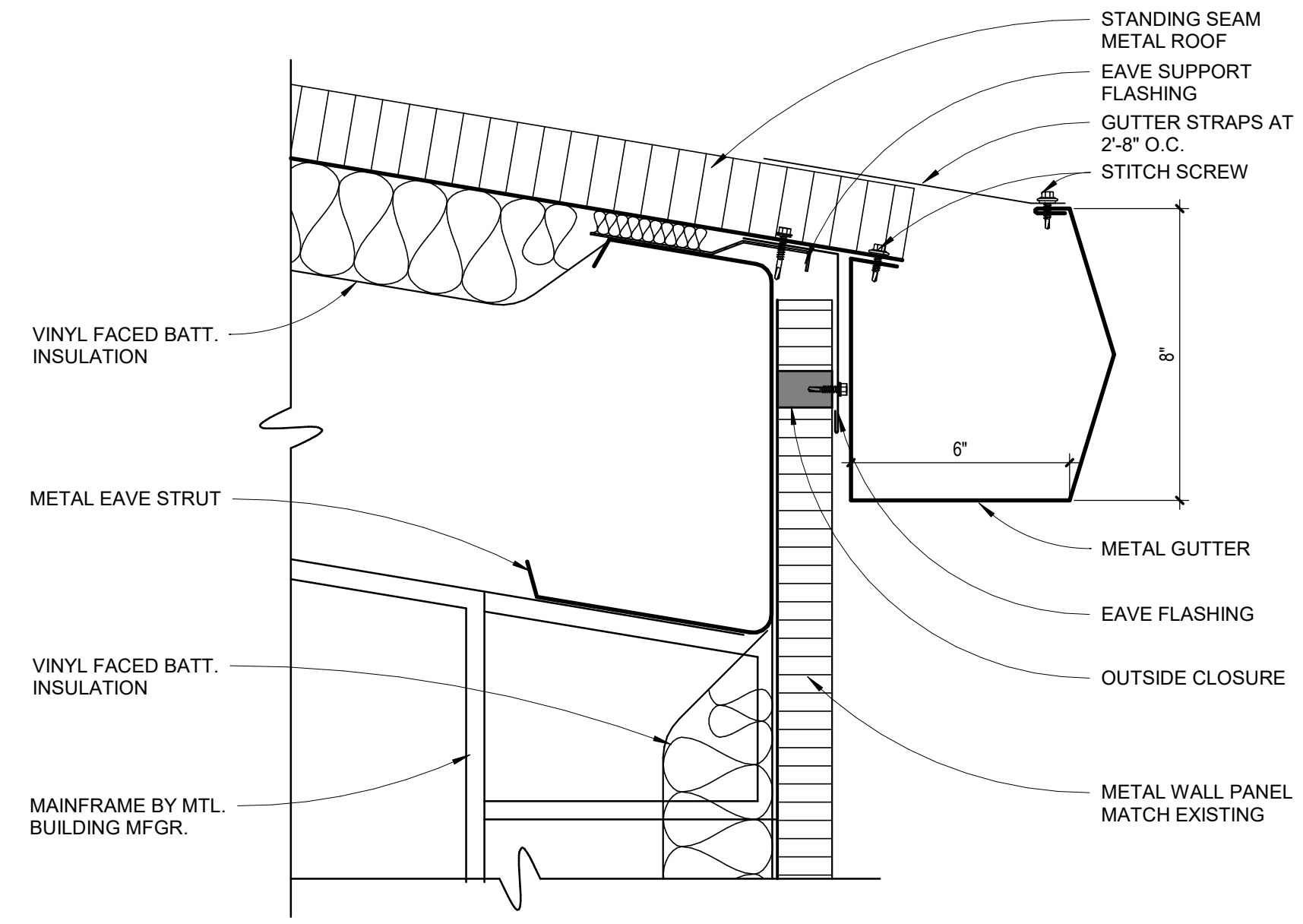
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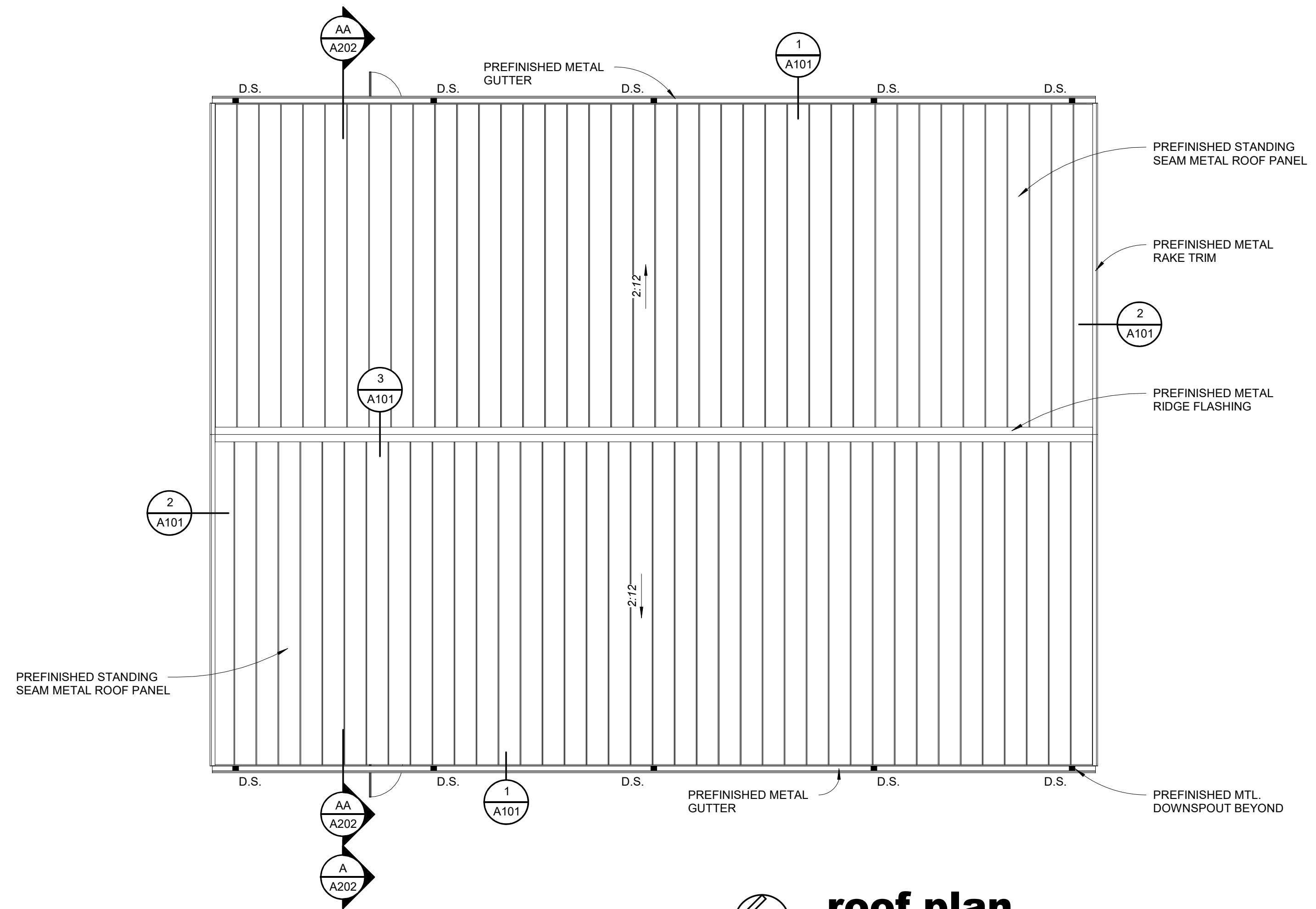
3 **ridge detail**
SCALE: 3" = 1'-0"



2 **rake detail**
SCALE: 3" = 1'-0"



1 **gutter detail**
SCALE: 3" = 1'-0"



n **roof plan**
SCALE: 1/8" = 1'-0"

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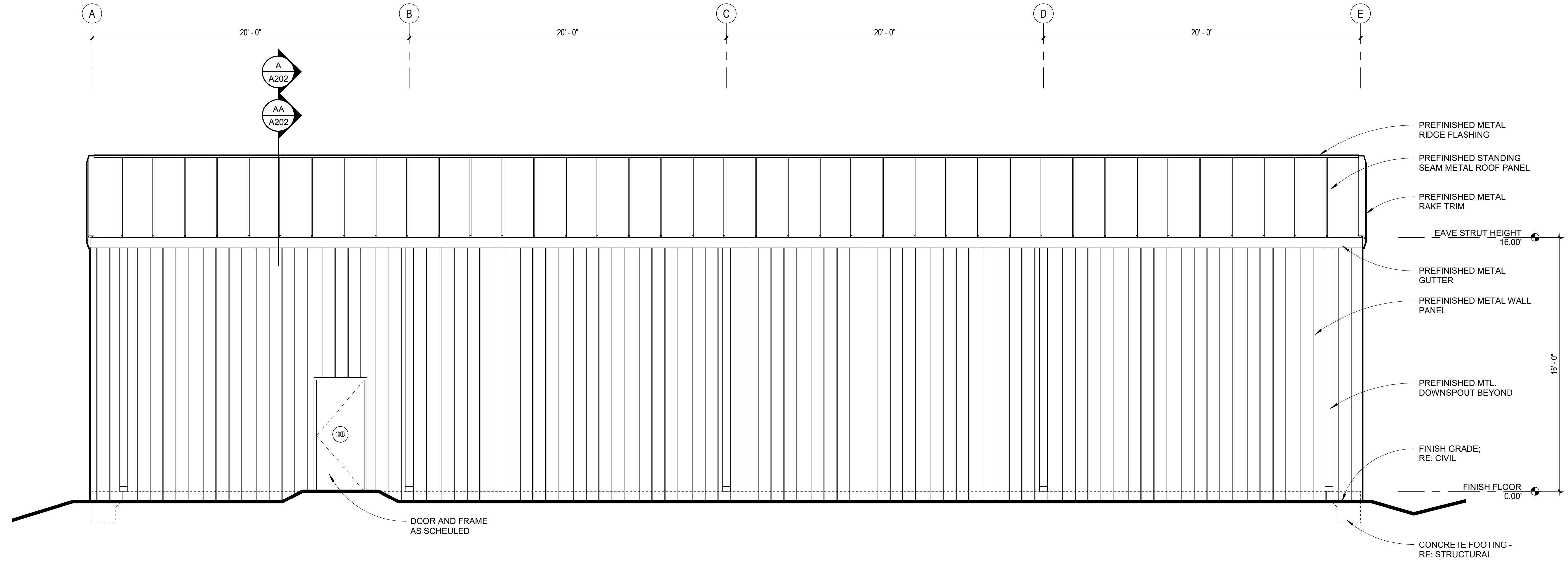
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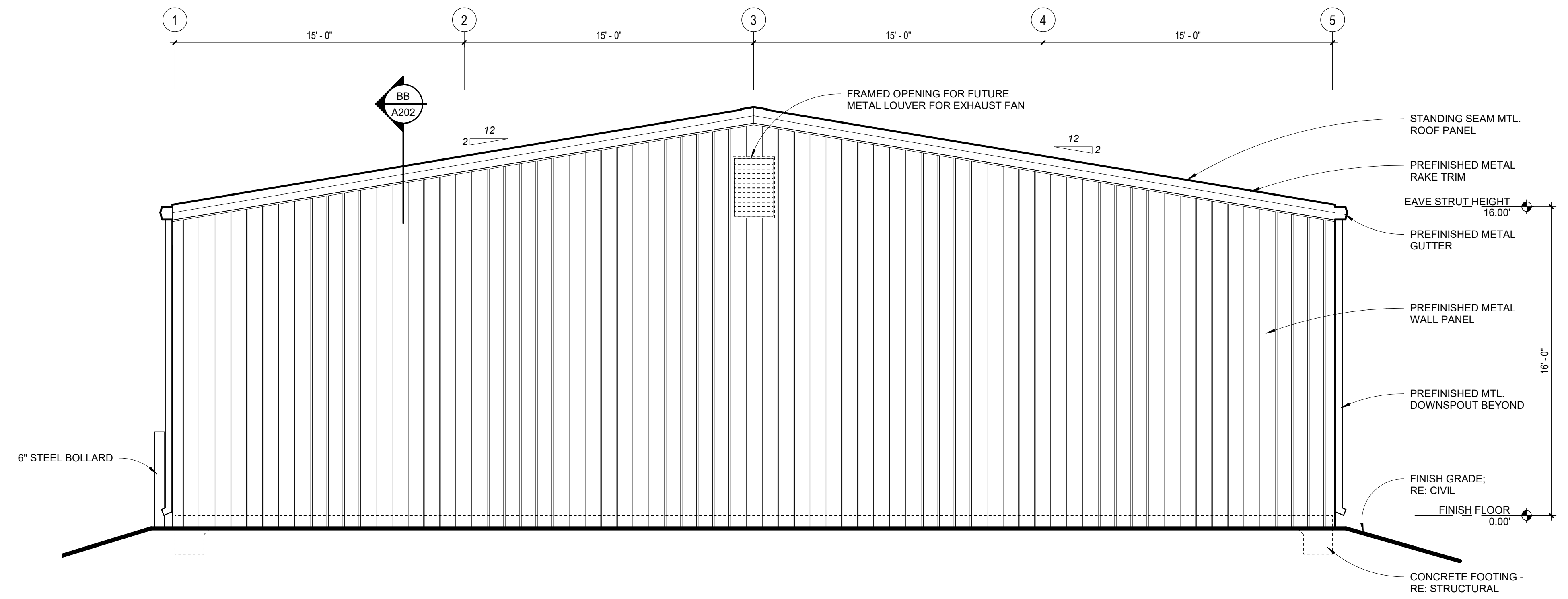
A101

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west elevation
 SCALE: 1/4" = 1'-0"



north elevation
 SCALE: 1/4" = 1'-0"

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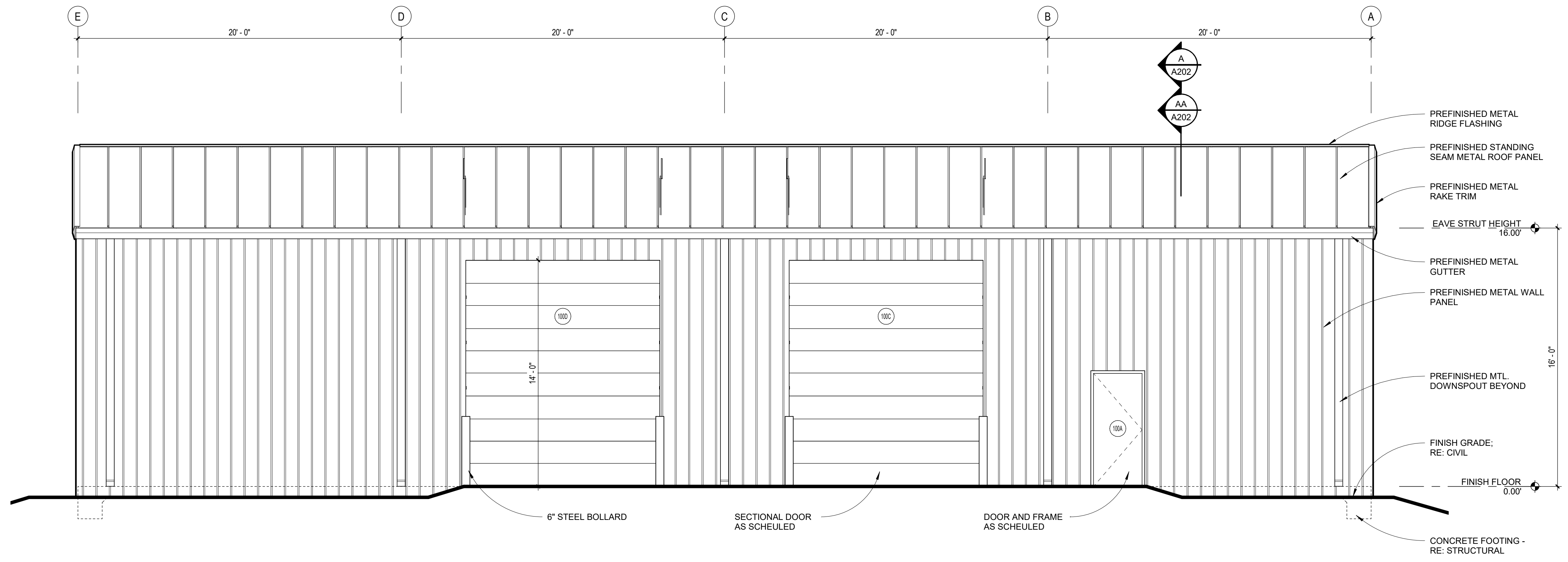


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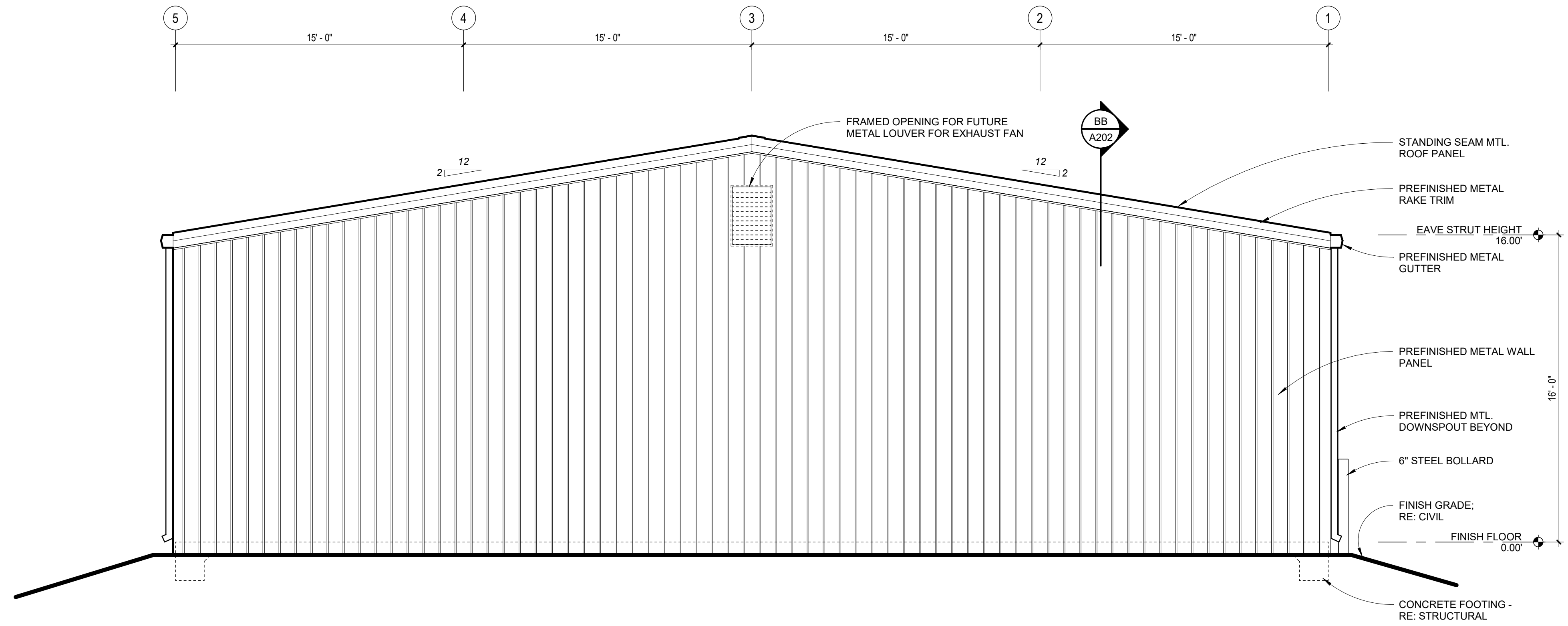
A200

Date: June 14, 2021



east elevation

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



south elevation

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

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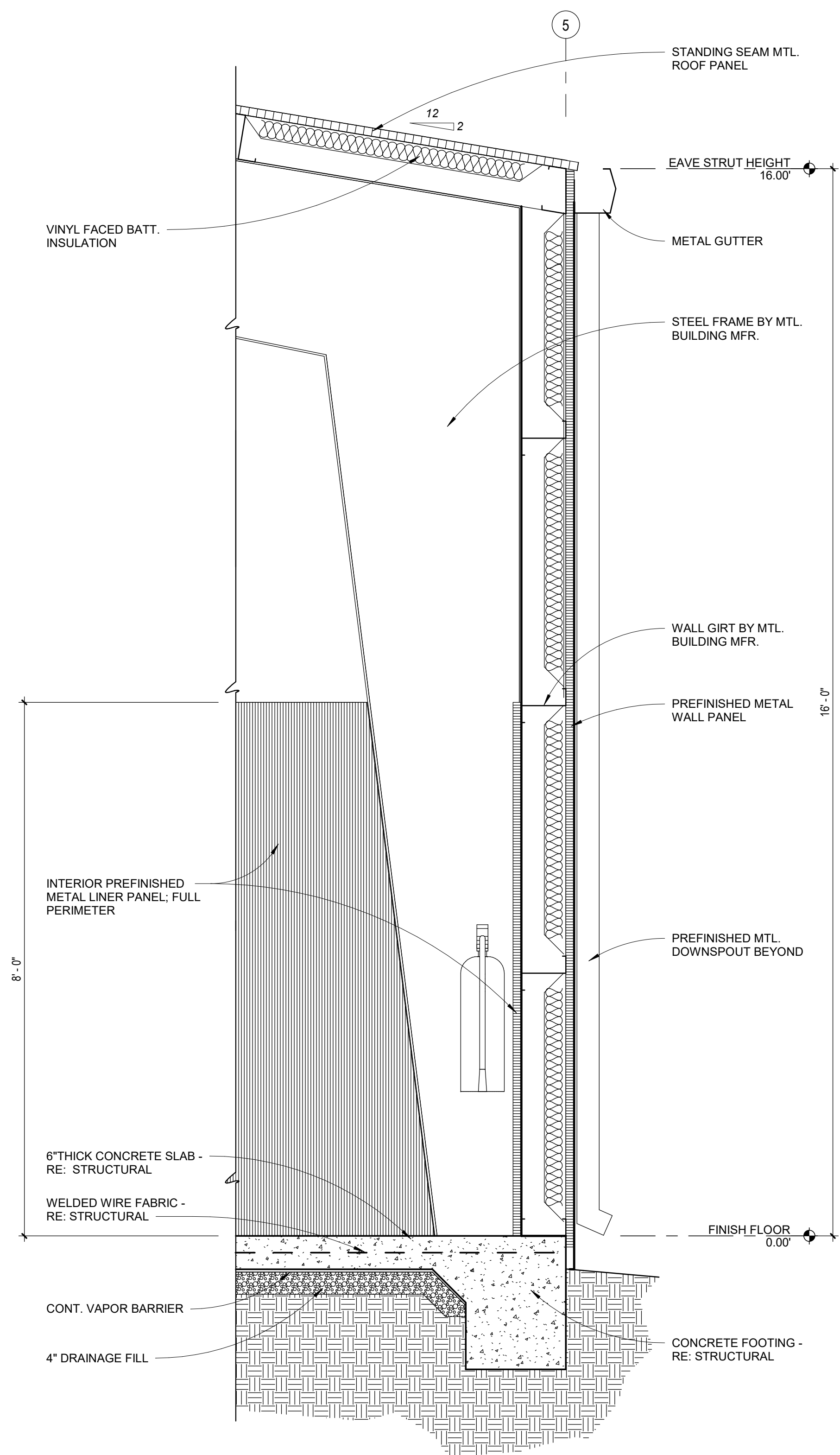
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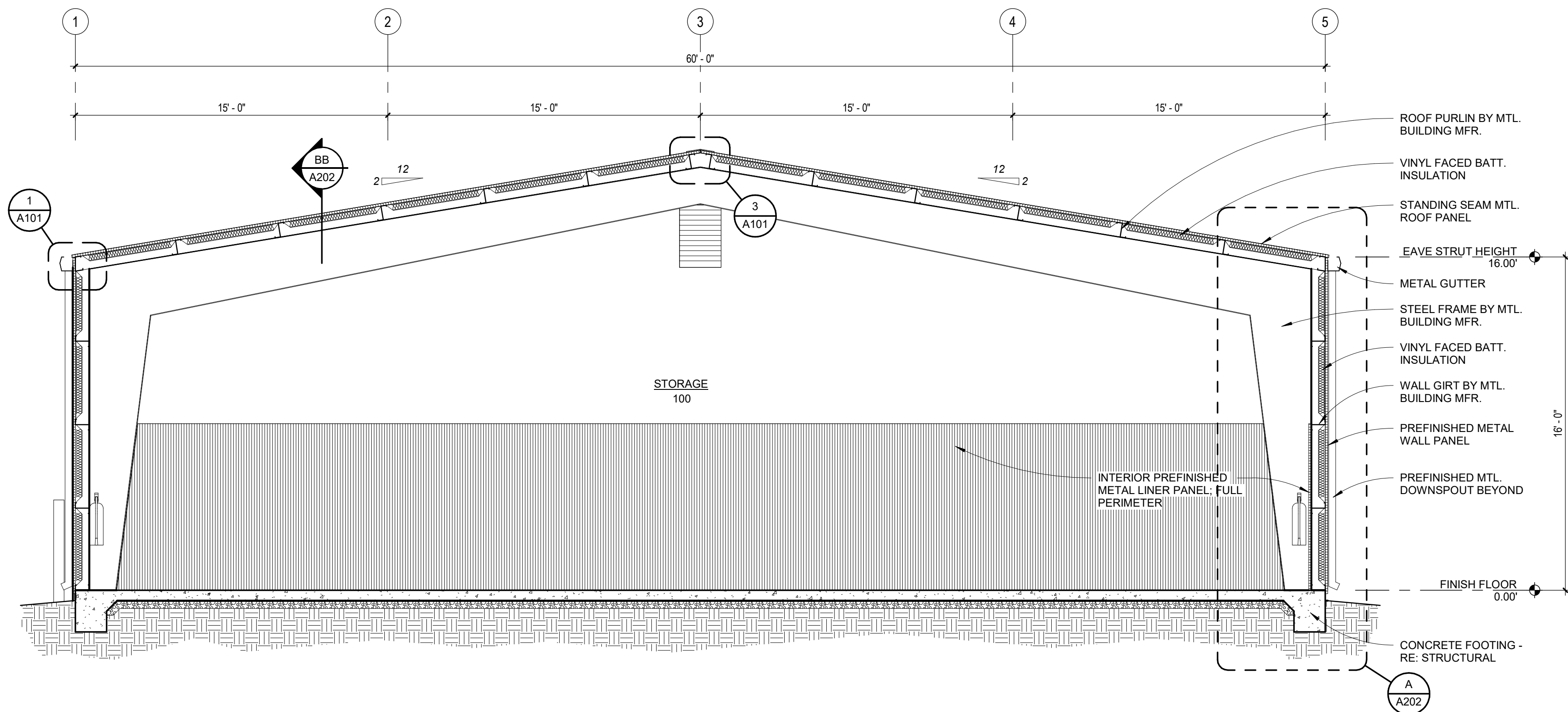
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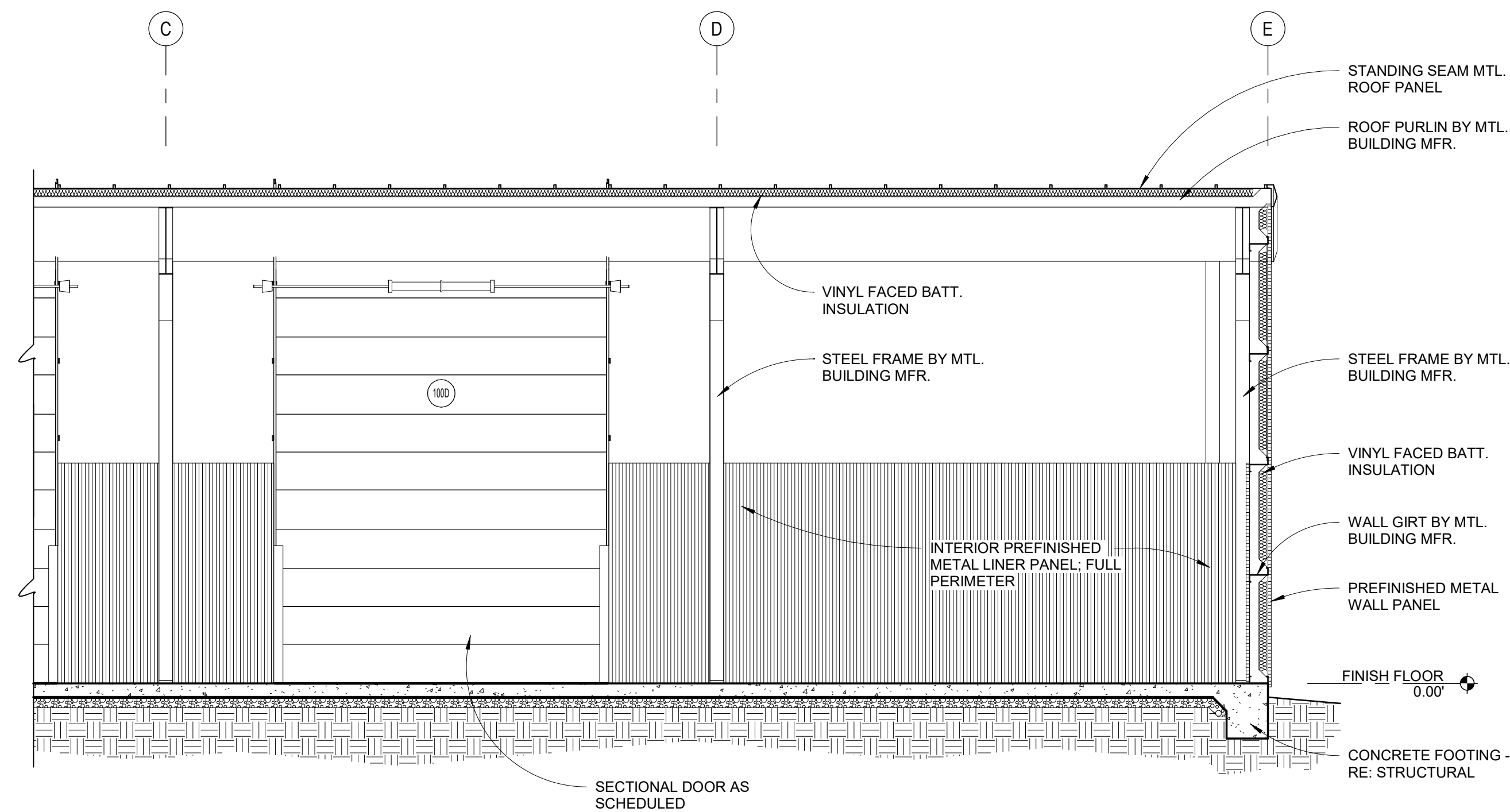
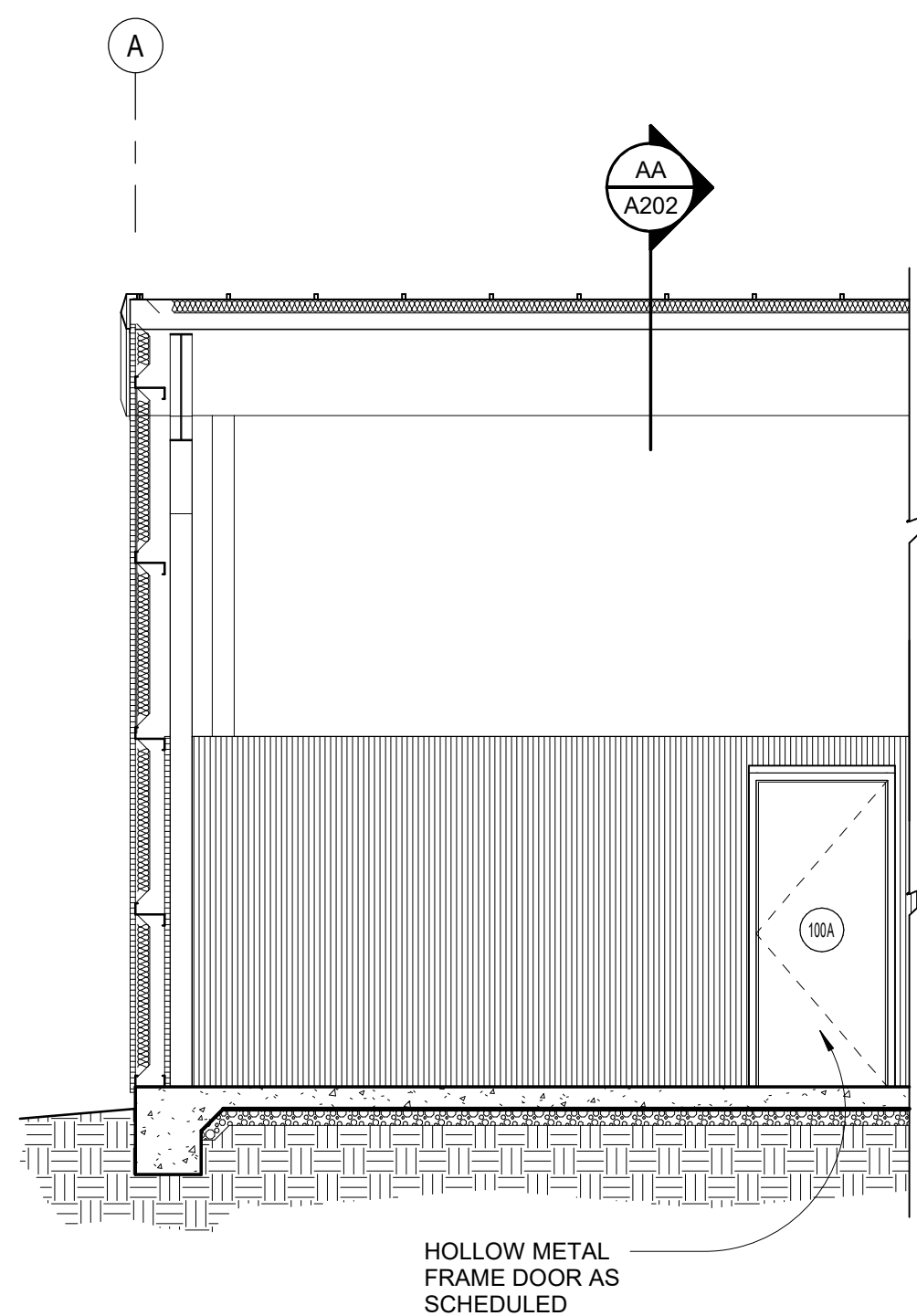
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A wall section
SCALE: 3/4" = 1'-0"



AA building section
SCALE: 1/4" = 1'-0"



BB building section
SCALE: 1/4" = 1'-0"

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A202

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BUILDING SECTIONS

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Fax 870-932-0975

CONCRETE NOTES:

GENERAL:

- All concrete shall have a minimum 28 day compressive strength, (f_c'), of 3,000 psi for footings and 4,000 psi for slabs.
- All concrete work shall conform to the latest ACI specifications.
- Coarse aggregate for concrete shall not contain lignite, steel, or other materials that may be detrimental to the concrete.
- Fly ash in concrete mix shall not be permitted.
- Horizontal construction joints shall be permitted only where shown on the structural drawings. Horizontal or near horizontal joints shall be prepared by roughening the surface in an approved manner so that the aggregate is exposed uniformly, leaving no laitance, loosened particles, or damaged concrete.
- Contractor shall verify dimensions and locations of all openings, pipe sleeves, curbs, etc., as required by other trades before concrete is placed.
- Pipes or conduit placed in foundation and slabs shall not be placed closer than 3 diameters on center. Aluminum conduits shall not be placed in concrete.
- All footings shall bear on firm, undisturbed soil or an approved select fill material compacted to at least 95% of optimum density as determined by the Standard Compaction Test, ASTM D-698.
- The design bearing capacity, $q = 1,500$ psf.
- Location of slotted inserts, weld plates and all other items to be embedded in concrete shall be coordinated with architectural and mechanical drawings.

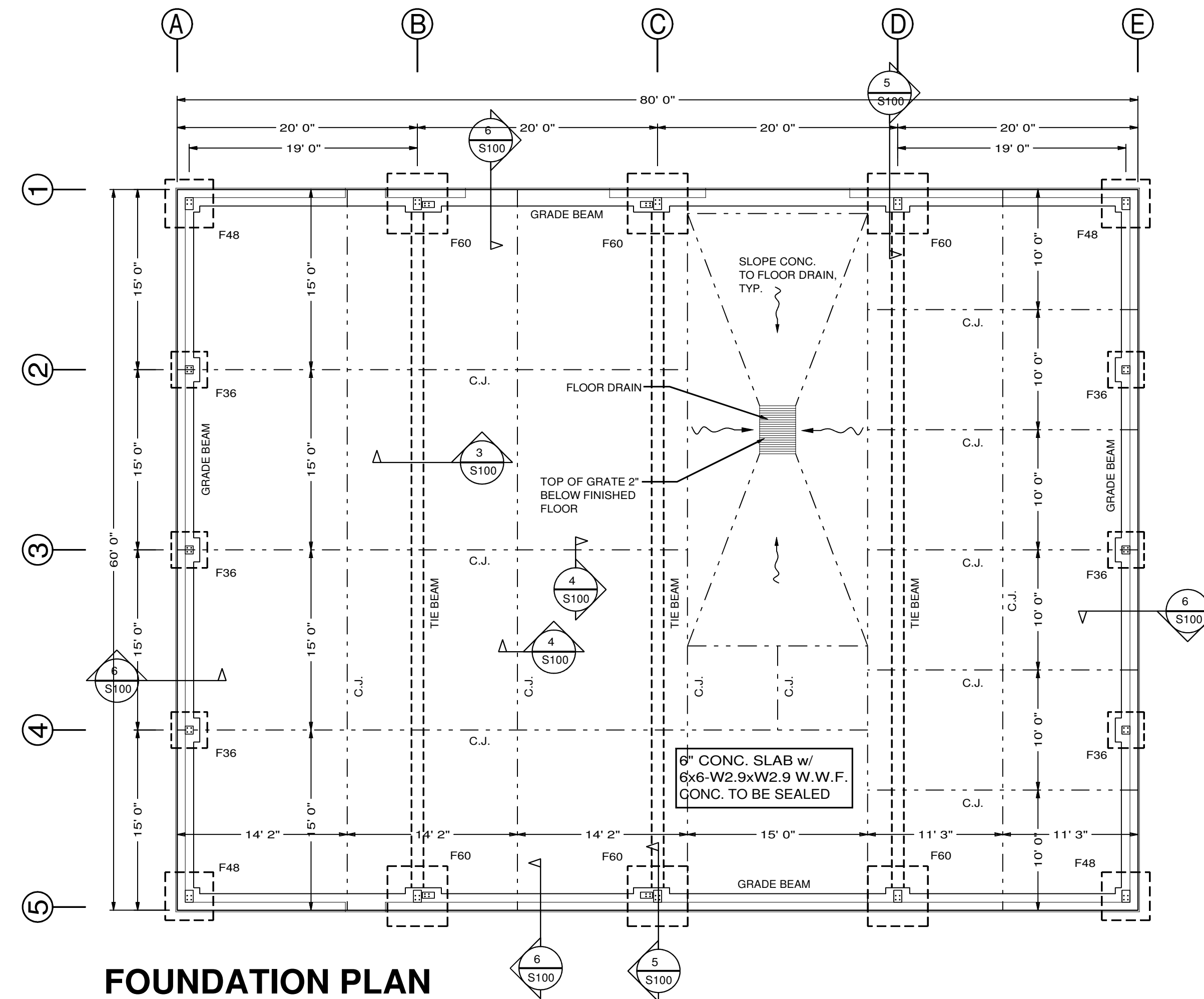
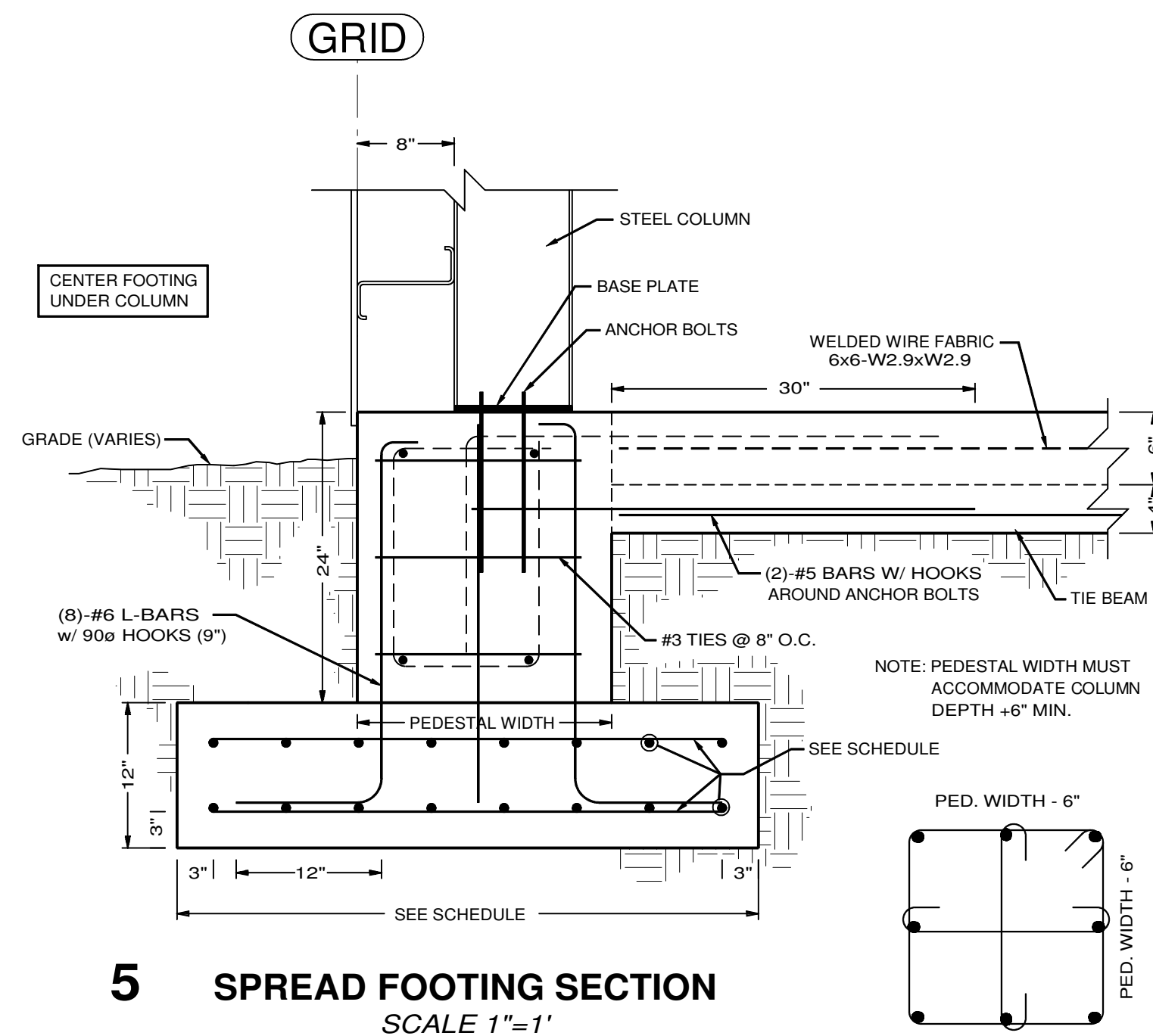
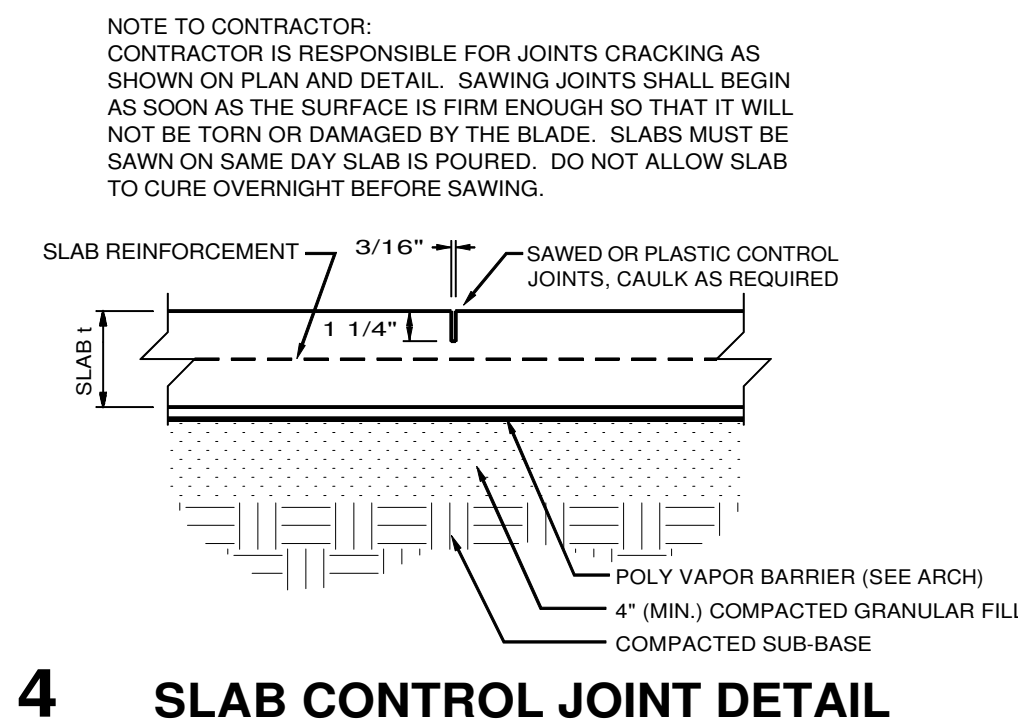
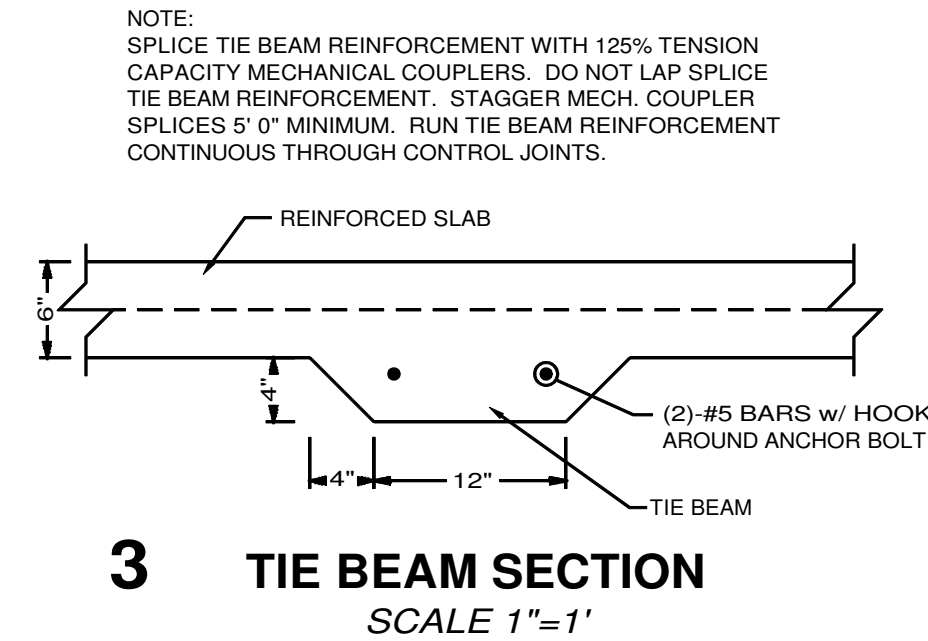
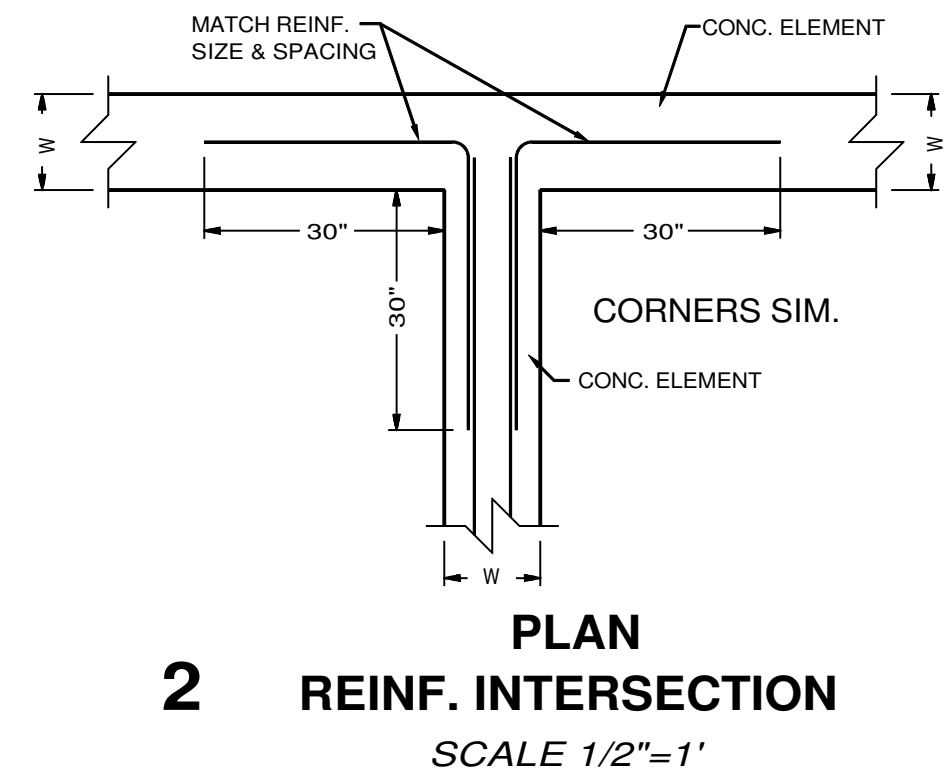
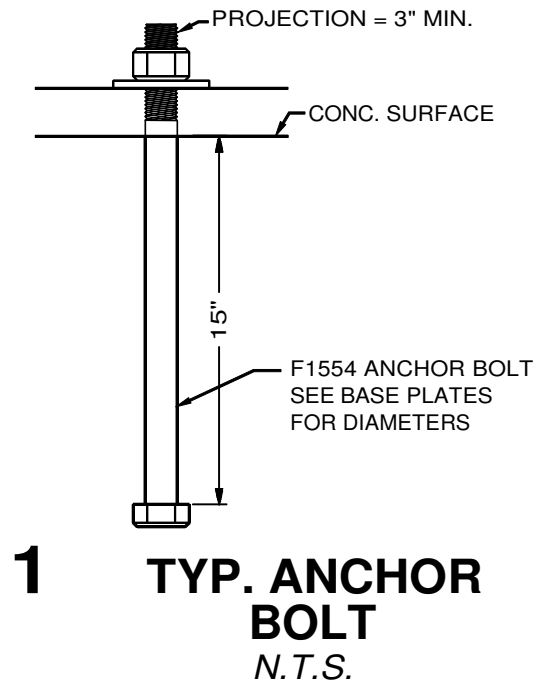
REINFORCEMENT:

- All reinforcing steel shall conform to ASTM-615, Grade 60, $f_y = 60$ ksi.
- Minimum cover on all reinforcing steel shall be 3".
- All reinforcing bars splices shall be lap splices with a minimum overlap of 30".
- All reinforcing steel shall be fabricated and placed per the latest edition of the ACI Building Code (ACI-318).
- All reinforcement shall be securely held in place while placing concrete. If required, additional bars or stirrups shall be provided by the contractor to support all bars.
- Reinforcing bars shall not be welded, unless specifically noted on the drawing, as being welded, welded reinforcement shall conform to ASTM A-706.
- Provide corner bars in all walls and at wall intersections to match size and spacing of horizontal bars in those walls.

WELDED WIRE FABRIC:

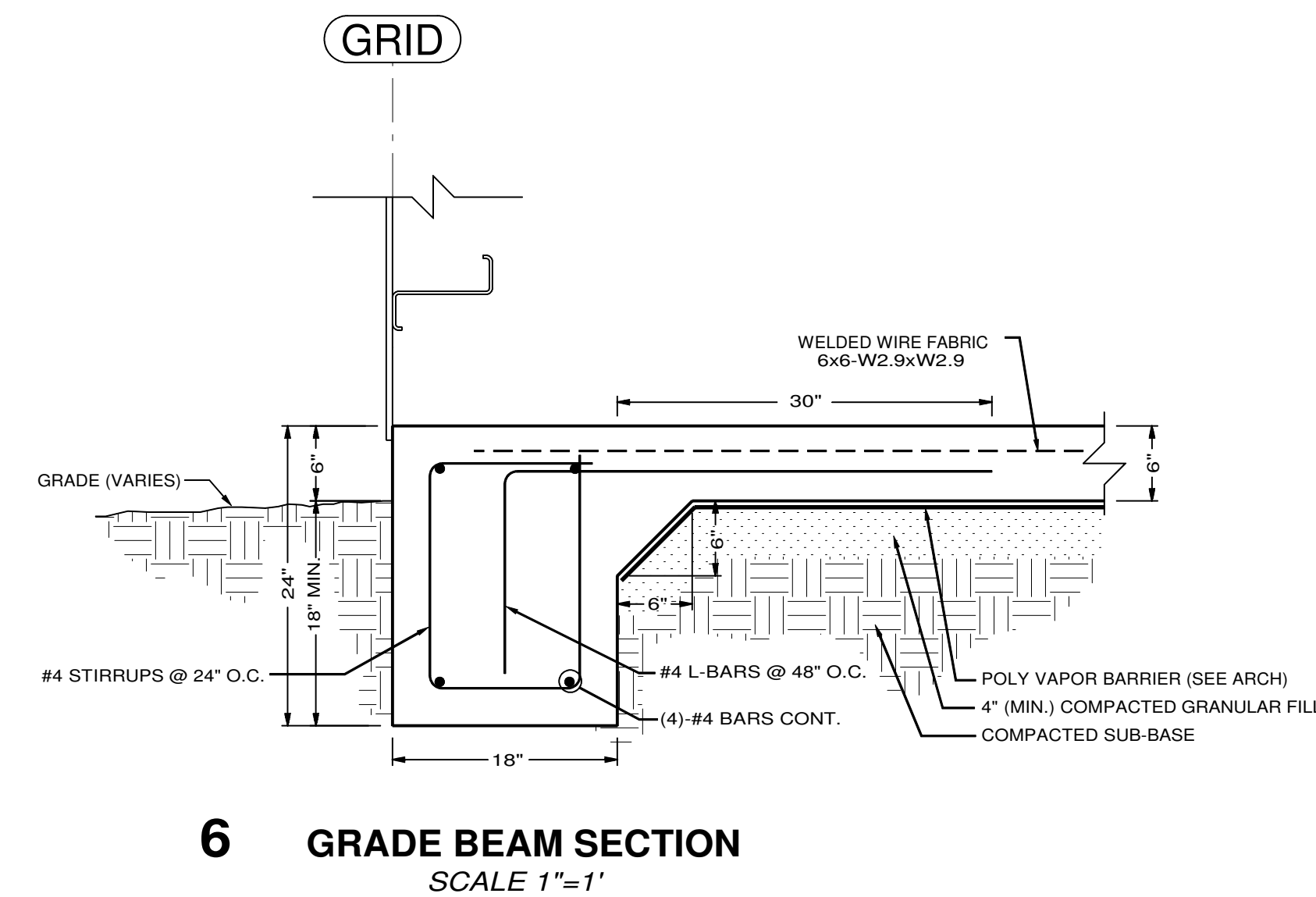
- All welded wire fabric shall conform to the latest edition of ASTM-185, Specifications for Welded Wire Fabric for Concrete Reinforcement.
- All laps in welded wire fabric shall be one mesh plus 2 inches at splice.
- Welded wire fabric shall be provided in flat sheets. Roll wire shall not be permitted.

SPREAD FOOTING SIZES FOR ESTIMATING ONLY. FINAL FOOTING SIZES SHALL BE CALCULATED BASED ON METAL BUILDING MANUFACTURER'S COLUMN REACTIONS.



SPREAD FOOTING SCHEDULE

FOOTING	DIMENSIONS	REINFORCEMENT DETAILS
F36	3'x3'x12"	(6) - #4 BARS @ 6" O.C. EACH WAY
F48	4'x4'x12"	(8) - #4 BARS @ 6" O.C. EACH WAY
F60	5'x5'x12"	(10) - #4 BARS @ 6" O.C. EACH WAY



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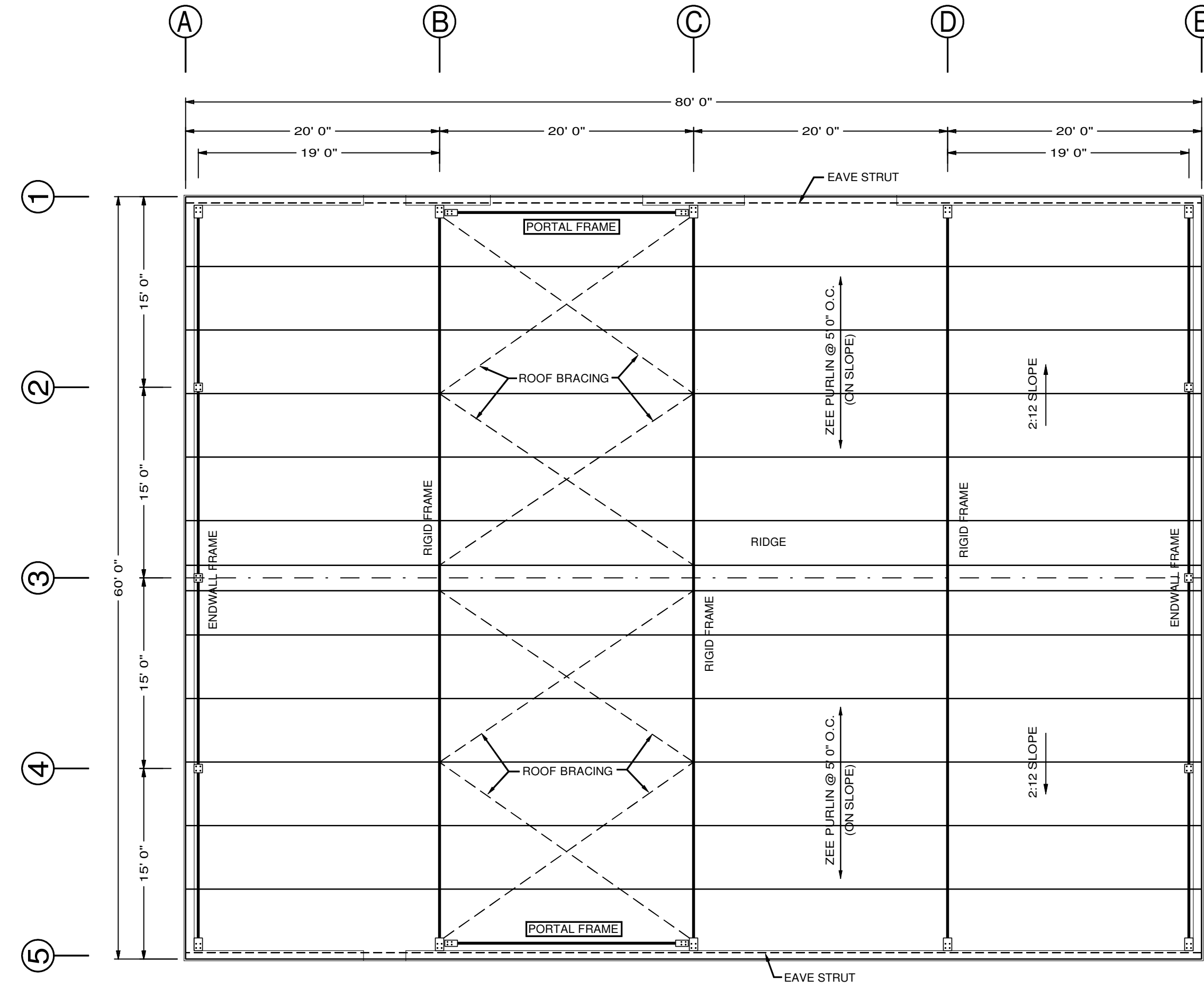


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2108

S100

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PEMB GENERAL FRAMING PLAN

SCALE 1/8"=1'

BUILDING DESIGN LOADS

Roof Live Load = 20 psf
 Dead Load = Actual Weight of Materials
 Collateral Load = 7 psf
 Wind Load = Per ASCE-7, Category C Exposure
 Seismic Load = Per ASCE-7

PEMB STRUCTURAL NOTES

1. COLUMN SPACING IS AS SHOWN.
2. ANY DEVIATION IN LATERAL FORCE RESISTANCE SYSTEM ELEMENT LOCATIONS FROM THOSE SHOWN MUST BE APPROVED IN WRITING BY THE ARCHITECT PRIOR TO SHOP DRAWING SUBMITTALS.
3. PURLIN SPACING IS 5' 0" O.C. MAX.

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