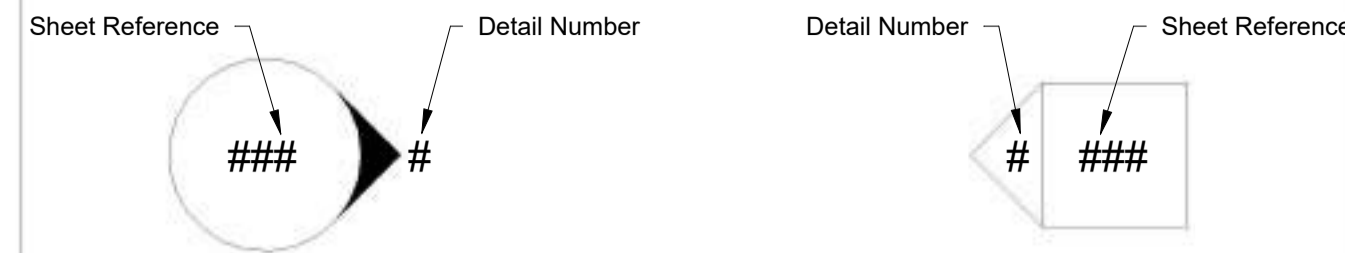


Legend



Abbreviations

&:	and	O.C.:	on center
@:	at	PT:	pressure-treated lumber
Ø:	diameter	SP:	southern pine
B/W:	between	SPF:	spruce pine fir
DBL:	double	TYP.:	typical
LVL:	laminated veneer lumber	U.N.O.:	unless noted otherwise
MAX:	maximum	W/:	with
MIN:	minimum	W/O:	without

GENERAL NOTES CONT'D:

- D. WOOD STRUCTURE REQUIREMENTS**
- UNLESS SPECIFICALLY NOTED ON THE DRAWINGS, NO ONE SHALL CUT, NOTCH OR DRILL ANY TRUSS, HEADER, BEAM, POST, GIRT, PURLIN, OR FLANGE OF I-JOIST.
 - ANY MEMBER REPAIRS OR REPLACEMENT SHALL BE AS SPECIFIED IN WRITING BY A LICENSED PROFESSIONAL ENGINEER AND THE EXPENSE OF THE REPAIR SHALL BE THE RESPONSIBILITY OF THE PARTY WHICH GREATER THE DAMAGE.
 - DIMENSIONED LUMBER MEMBERS SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION AND ALL RELATED DOCUMENTS.
 - ALL MEMBERS SHALL BE THE SIZE, GRADE AND SPECIES AS INDICATED WITHIN THESE DRAWINGS.
 - PRESSURE PRESERVATIVE TREATED LUMBER SHALL BE TREATED WITH WATERBORNE PRESERVATIVE AND BEAR THE QUALITY MARK OF AN APPROVED INSPECTION AGENCY. POSTS AND SKIRTS SHALL BE PROTECTED WITH PRESSURE PRESERVATIVE CHEMICAL TREATMENTS TO RETENTION LEVELS FOR USE CATEGORY UC4B OR BETTER PER AWPA-U1.
- E. STRUCTURAL CONCRETE REQUIREMENTS**
- MINIMUM 28-DAY COMPRESSIVE STRENGTH SHALL BE EQUAL OR EXCEED THE FOLLOWING CRITERIA:
 - PADS AND UNREINFORCED FOOTINGS: **3000 PSI**
 - REINFORCED PADS AND FOOTINGS: **3000 PSI**
 - SLABS ON GRADE: **3500 PSI**
 - UNLESS PLASTICIZERS ARE USED, WORKABLE SLUMP SHALL BE NO LESS THAN 4".
 - NO EXCESS WATER SHALL BE ADDED ON-SITE.
 - ALL CONCRETE EXPOSED TO WEATHER SHALL HAVE MINIMUM 5% AND MAXIMUM 7% ENTRAINED AIR.
 - ALL REINFORCEMENT STEEL SHALL CONFORM TO THE REQUIREMENTS OF ASTM A615 AND SHALL BE DEFORMED BARS WITH AN ULTIMATE YIELD STRESS OF 60,000 PSI.
 - ALL LAP SPLICES SHALL BE CONFORM TO THE REQUIREMENTS OF ACI 318-14 CLASS 'B'.
 - EXCEPT FOR BUILDINGS WHERE MIGRATION OF MOISTURE THROUGH THE SLAB WILL NOT BE DETRIMENTAL OR FOR SITES THAT ARE ESPECIALLY DRY, A 6 MIL POLYETHYLENE VAPOR RETARDER WITH JOINTS LAPPED 6" MINIMUM SHALL BE PLACED BETWEEN THE BASE COURSE OR SUB GRADE AND THE CONCRETE. FOR SITES THAT ARE ESPECIALLY WET, PERIMETER DRAINS SHALL BE INSTALLED AS REQUIRED IN ADDITION TO THE VAPOR RETARDER.
 - FORMS SHALL BE CLEANED AND LUBRICATED PRIOR TO INSTALLATION OF CONCRETE. ALL MEMBERS USED TO FORM THE PERIMETER OF CONCRETE SHALL BE BRACED BY THE CONTRACTOR TO REMAIN IN-PLACE DURING CONCRETE INSTALLATION. ALL UNTREATED FORM BOARDS SHALL BE REMOVED ONCE CONCRETE HAS CURED.
 - CONCRETE SHALL BE CONSOLIDATED BY ACCEPTED VIBRATORY CONSOLIDATION METHODS. CONTRACTOR SHALL ENSURE THAT FRESH CONCRETE OCCUPIES ALL SPACES BETWEEN ANY REINFORCEMENT, IF ANY.
 - NO CONCRETE IS PERMITTED TO BE INSTALLED WHEN OUTSIDE AIR TEMPERATURE IS BELOW 40° F.
 - FOR BUILDINGS WITHOUT A FLOOR SLAB, IT IS RECOMMENDED THAT A VAPOR RETARDER BE INSTALLED IN ACCORDANCE WITH NOTE 7.

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Drawings Prepared For:
SPECIAL #1000



GENERAL NOTES:

- A. GOVERNING CODES**
- INTERNATIONAL BUILDING CODE (IBC 2018)
 - ASCE 7-16
 - NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS)
 - POST FRAME DESIGN MANUAL 2ND EDITION
- B. CONTRACTOR RESPONSIBILITY**
- ALL STRUCTURES SHALL BE CONSTRUCTED ACCORDING TO DIMENSIONS NOTED WITHIN THESE CONSTRUCTION DOCUMENTS.
 - SCALING OF DIMENSIONS SHALL NOT BE PERMITTED.
 - THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS (INCLUDING ROUGH OPENINGS) AND ALL CONDITIONS ON THE SUBJECT SITE.
 - NEITHER STM ENGINEERING, LLC NOT ITS REPRESENTATIVES SHALL BE RESPONSIBLE FOR CONSTRUCTION MEANS AND METHODS, ACTS OR OMISSIONS OF THE CONTRACTOR OR THEIR SUBCONTRACTORS OR FAILURE TO PERFORM CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH THESE CONSTRUCTION DOCUMENTS.
 - ANY DISCREPANCY OR OMISSION DISCOVERED IN THESE CONSTRUCTION DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD BY WRITTEN NOTICE BEFORE THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES.
 - STM ENGINEERING, LLC SHALL REQUIRE A MINIMUM OF TWO (2) WEEKS TO CORRECT ANY OMISSIONS OR ERRORS DISCOVERED WITHIN THESE CONSTRUCTION DOCUMENTS.
 - IF THE MINIMUM TIME REQUIRED TO CORRECT ANY OMISSION OR ERROR IN THESE CONSTRUCTION DOCUMENTS IS NOT GRANTED TO STM ENGINEERING, LLC, THE GENERAL CONTRACTOR SHALL ASSUME ALL COST AND LIABILITY TO CORRECT THE IDENTIFIED ERROR OR OMISSION.
 - ALL STRUCTURES SHALL BE ADEQUATELY BRACED WITH THE NECESSARY TEMPORARY BRACING ELEMENTS FOR ALL LATERAL AND CONSTRUCTION LOADING UNTIL ALL PERMANENT LATERAL FORCE RESISTING SYSTEM ELEMENTS HAVE BEEN FULLY INSTALLED.
 - THE GENERAL CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL NECESSARY TEMPORARY BRACING ELEMENTS.
 - THE GENERAL CONTRACTOR AND/OR OWNER SHALL MAINTAIN AN UP-TO-DATE SET OF CONSTRUCTION DRAWINGS ON THE JOB SITE AT ALL TIMES. THE GENERAL CONTRACTOR AND/OR OWNER SHALL OBTAIN ALL PROPER BUILDING PERMITS AND ENSURE ALL REQUIRED INSPECTIONS ARE MADE.
 - ANY ROOF AND/OR WALL PENETRATION SHALL BE MADE WEATHERPROOF WITH THE NECESSARY FLASHING AND/OR CAULKING AS REQUIRED.
 - IT SHALL BE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND/OR OWNER TO PROPERLY RECEIVE AND STORE ALL BUILDING MATERIALS WITHOUT DAMAGE.
 - THE GENERAL CONTRACTOR SHALL ERECT ALL POST-FRAME STRUCTURES IN ACCORDANCE WITH THE FOLLOWING DOCUMENTS:
 - BCSI-B10 (WOOD TRUSS COUNCIL OF AMERICA & TRUSS PLATE INSTITUTE)
 - ACCEPTED PRACTICE FOR POST-FRAME BUILDING CONSTRUCTION: FRAMING TOLERANCES (NATIONAL FRAME BUILDERS ASSOCIATION)
- C. STRUCTURAL LOAD CRITERIA**
- RISK CATEGORY: **I** (ASCE 7-16 TABLE 1.5-1)
 - DEAD LOAD
 - THE DESIGN DEAD LOAD OF THE STRUCTURE SHALL INCLUDE THE SELF-WEIGHT OF ALL PERMANENT BUILDING ELEMENTS AS DETERMINED BY THE ENGINEER OF RECORD.
 - ROOF LIVE LOAD: **20 PSF** (ASCE 7-16 TABLE 4.3-1)
 - SNOW LOAD (ASCE 7-16 CHAPTER 7)
 - GROUND SNOW LOAD (p_g): **10 PSF**
 - MINIMUM SNOW LOAD (p_m): **8 PSF**
 - SNOW IMPORTANCE FACTOR (I_s): **0.8**
 - EXPOSURE FACTOR (C_e): **0.9**
 - THERMAL FACTOR (C_t): **1.2**
 - FLAT ROOF SNOW LOAD (p_f): **6 PSF**
 - WIND LOAD (ASCE 7-16 CHAPTER 26)
 - BASIC WIND SPEED (V): **97 MPH**
 - WIND DIRECTIONALITY FACTOR (K_d): **0.85**
 - TOPOGRAPHIC FACTOR (K_{zt}): **1.0**
 - GROUND ELEVATION FACTOR (K_e): **1.0**
 - EXPOSURE CATEGORY: **C**
 - ENCLOSURE CLASSIFICATION: **PARTIALLY ENCLOSED**
 - INTERNAL PRESSURE COEFFICIENT ($G C_{pi}$): **±0.55**
 - GUST-EFFECT FACTOR (G): **0.85**
 - SEISMIC LOAD (ASCE 7-16 CHAPTER 11)
 - SEISMIC IMPORTANCE FACTOR (I_e): **1.0**
 - SEISMIC DESIGN CATEGORY: **D**
 - SHORT-PERIOD SITE COEFFICIENT (F_a): **1.581**
 - LONG-PERIOD SITE COEFFICIENT (F_v): **2.332**
 - S_s : **0.273**
 - S_1 : **0.134**
 - S_{ms} : **0.432**
 - S_{m1} : **0.312**
 - S_{ps} : **0.288**
 - S_{p1} : **0.208**
 - T_L : **12 HZ**
 - T : **0.145 HZ**
 - RESPONSE MODIFICATION FACTOR (R): **2 1/2**
 - SEISMIC RESPONSE COEFFICIENT (C_s): **0.12**
 - SEISMIC WEIGHT (W): **6,800 LBF**
 - SEISMIC BASE SHEAR (V): **816 LBF**

Revision	Table	Description	Revised By	Date	Number

Cover Sheet & General Notes

Project No. _____
 Project Status _____
 Project Address _____
 Prepared For _____

Date Issued _____

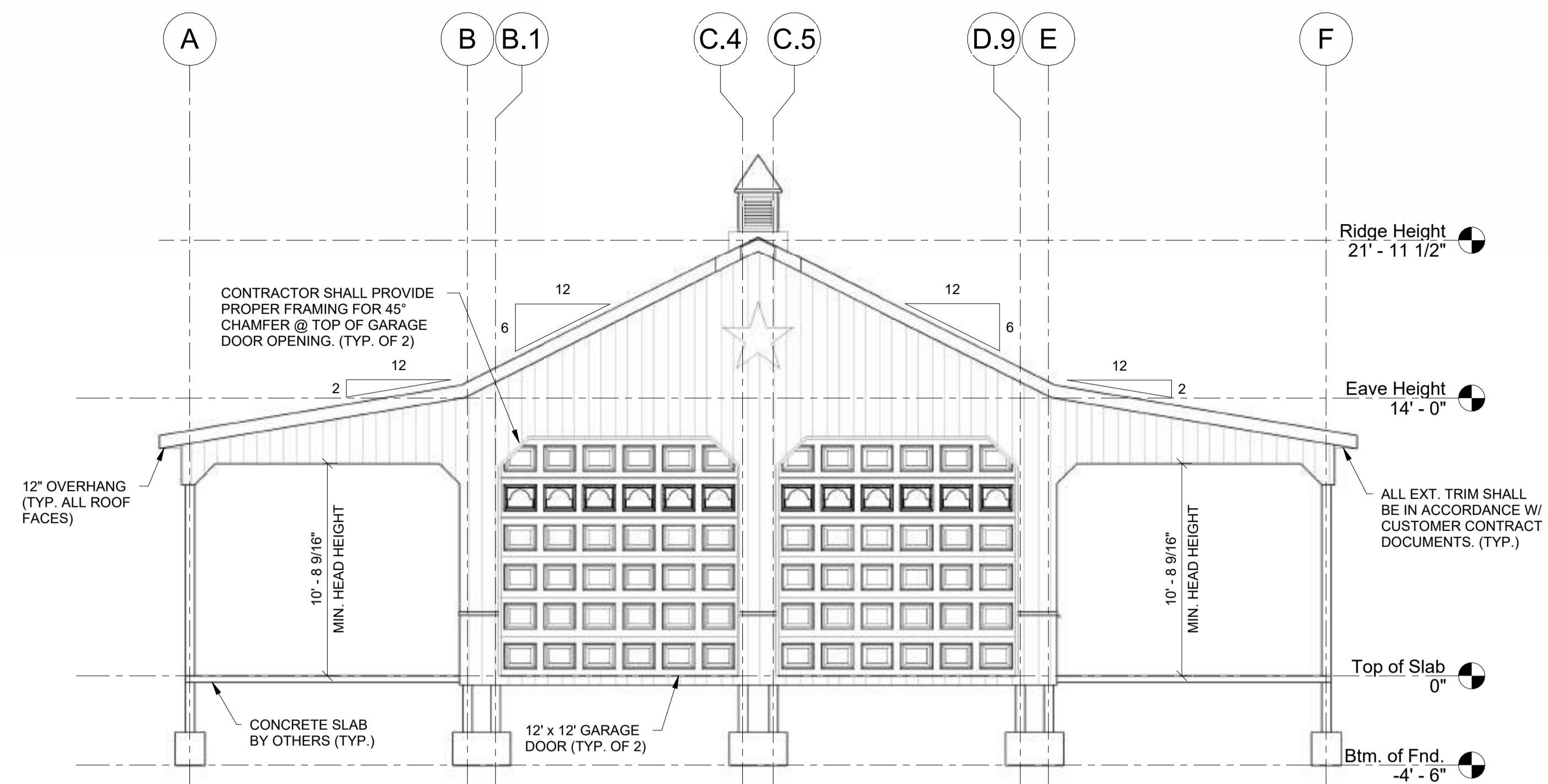
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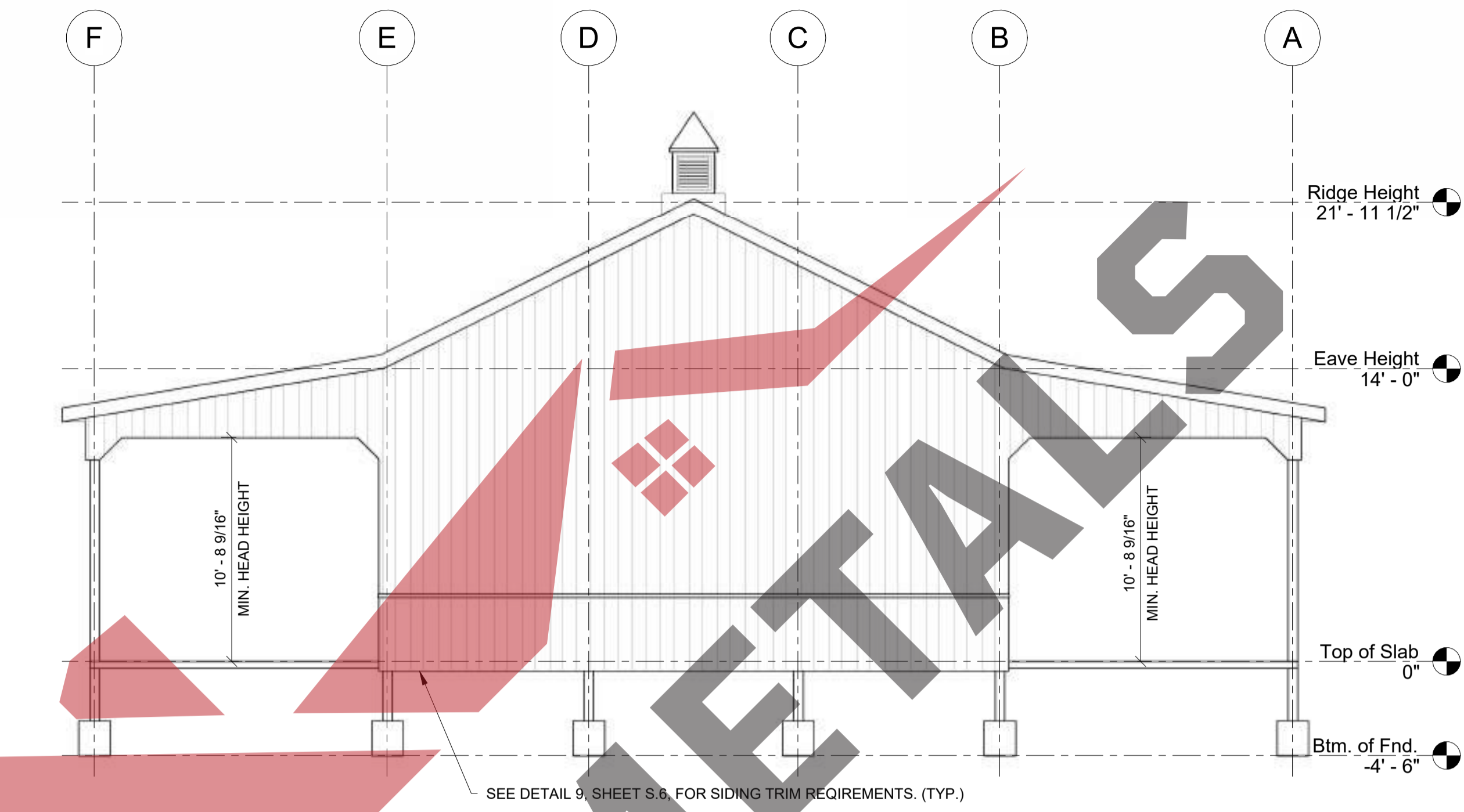
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Project Location Map





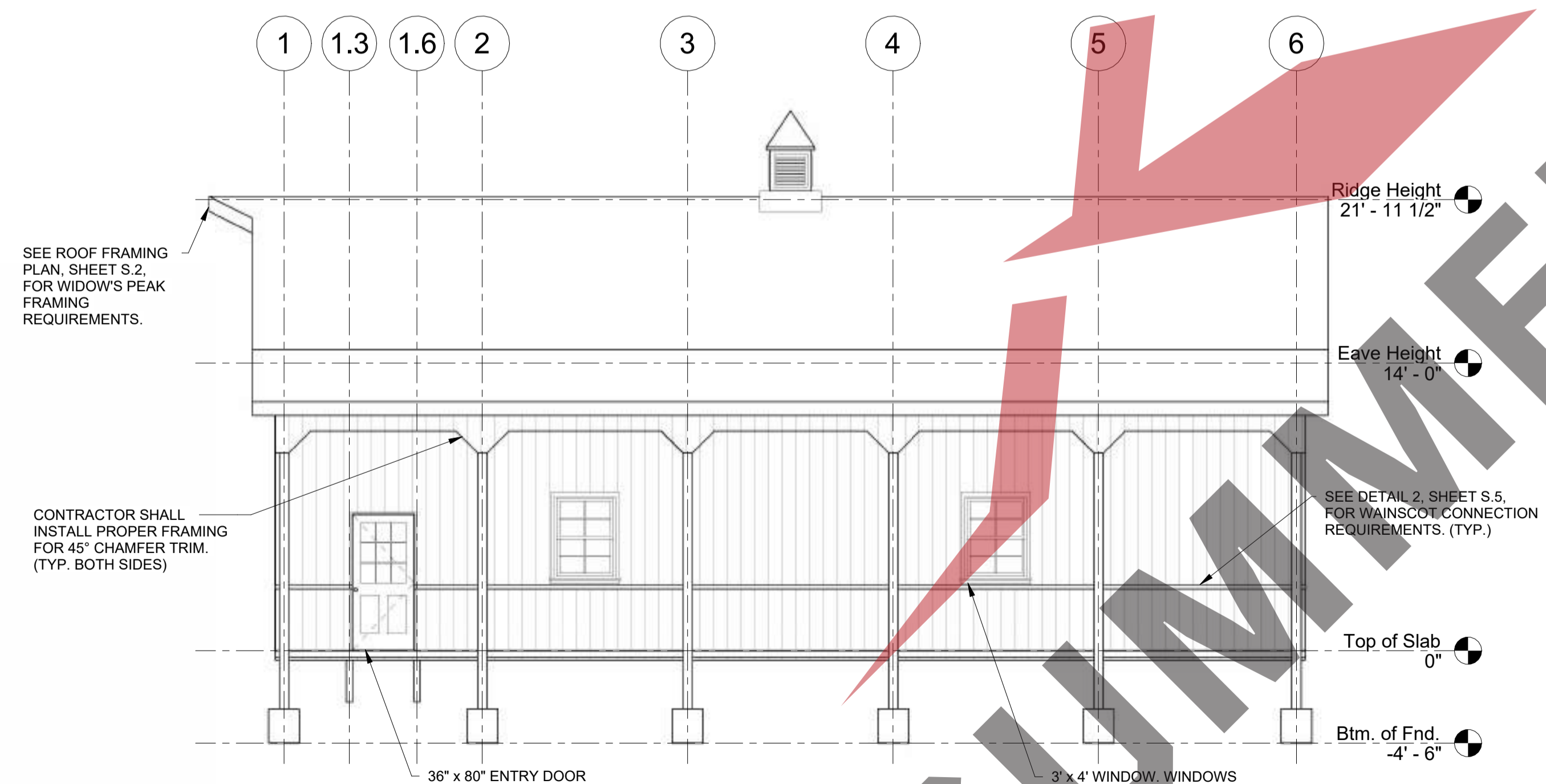
1 End Wall 1 Elevation
3/16" = 1'-0"



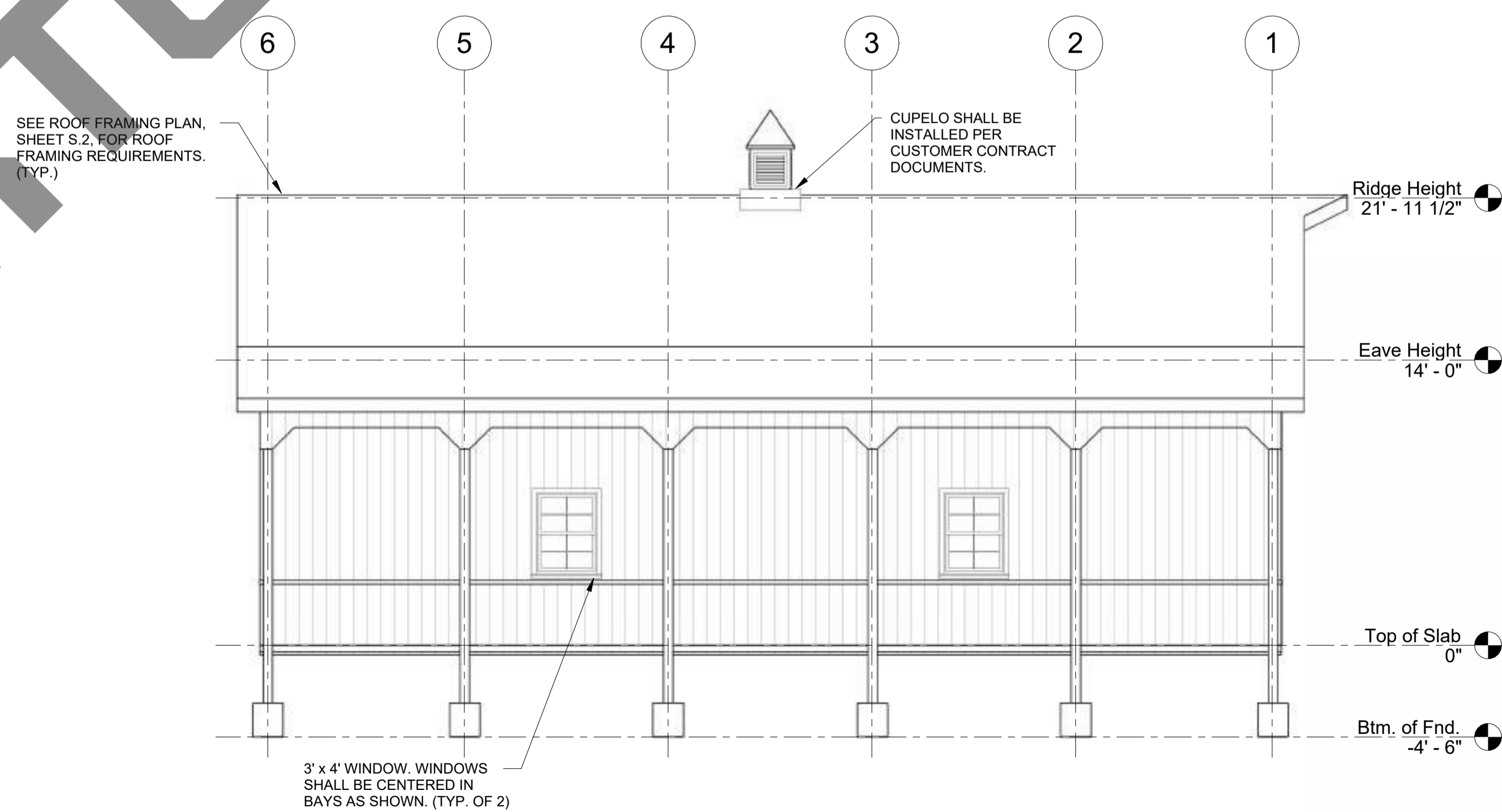
2 End Wall 2 Elevation
3/16" = 1'-0"

NOTES:

1. ALL SURFACES SHALL BE CLAD W/ 29 GA. CORRUGATED METAL SIDING W/ MIN. THICKNESS OF 0.0142" & MAX. RIB SPACING OF 9".
2. ALL METAL PANELS SHALL BE INSTALLED IN ACCORDANCE W/ DETAILS 1 & 2 ON SHEET S.5.
3. REFER TO STRUCTURAL FRAMING ELEVATIONS ON SHEET S.4 FOR ALL FRAMING REQUIREMENTS.
4. REFER TO STRUCTURAL DETAILS ON SHEET S.6 FOR POST FOUNDATION REQUIREMENTS.
5. ALL FASCIA, SOFFITS & EXTERIOR TRIM SHALL BE INSTALLED ACCORDING TO CUSTOMER CONTRACT DOCUMENTS.
6. WHEN USING METAL BUILDING APPURTENANCES TO ATTACH SOFFIT TO WALL, CONTRACTOR SHALL ENSURE THAT METAL WALL PANELS RECEIVE THE REQUIRED SCREW PATTERN AS DESIGNATED WITHIN THIS PLAN SET.



3 Side Wall 1 Elevation
3/16" = 1'-0"



5 Side Wall 2 Elevation
3/16" = 1'-0"

Current Revision	Number	Date	Revised By	Description

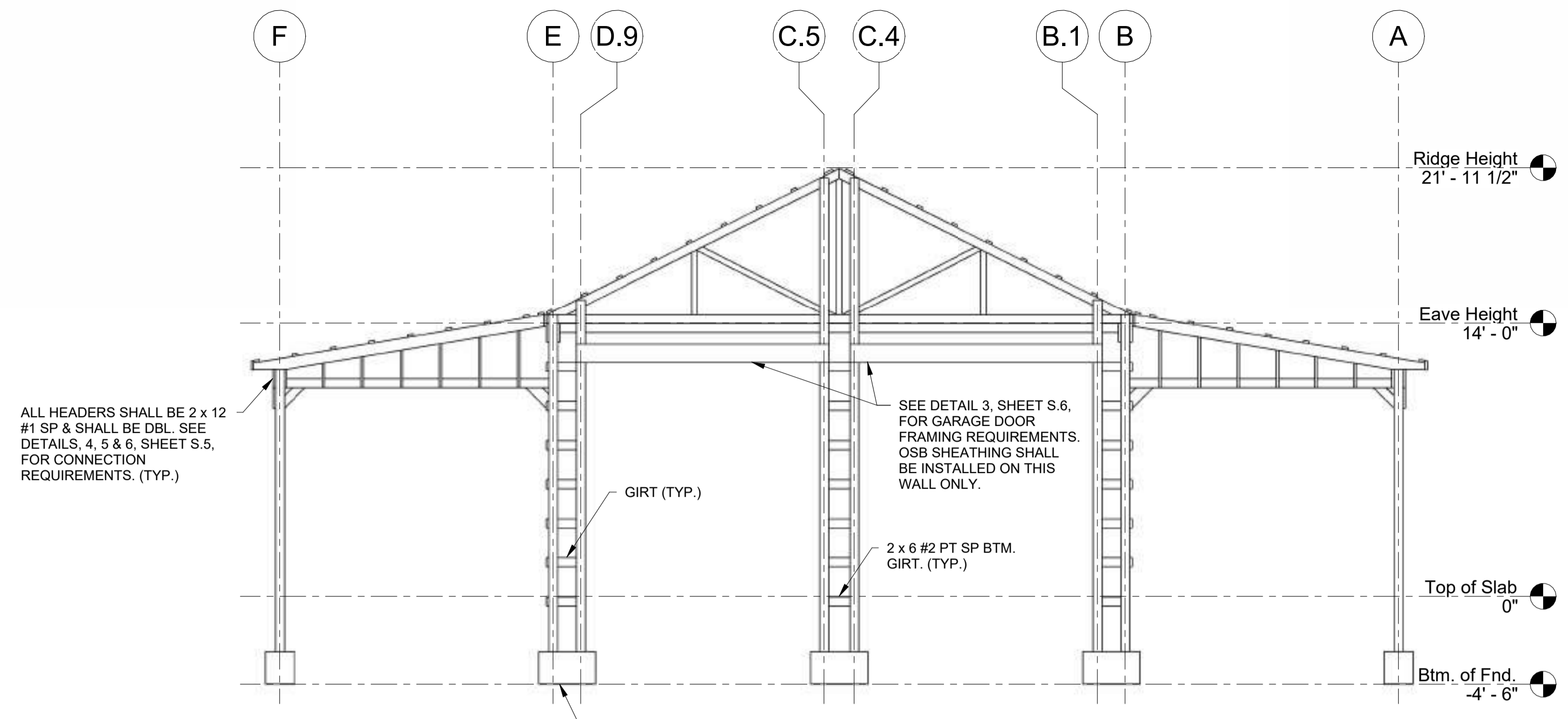
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 Project Address:
 Project No.:
 Project Status:

Building Exterior Elevations

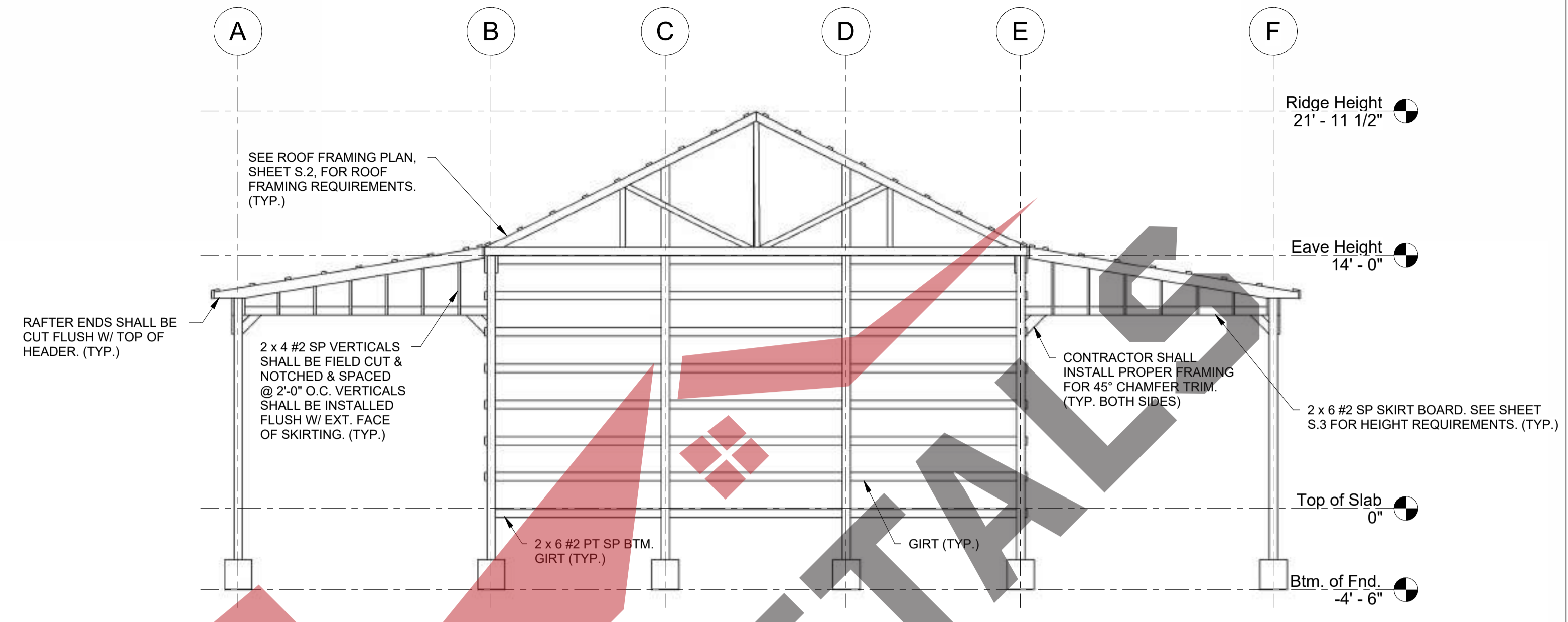
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Sheet: **S.3**

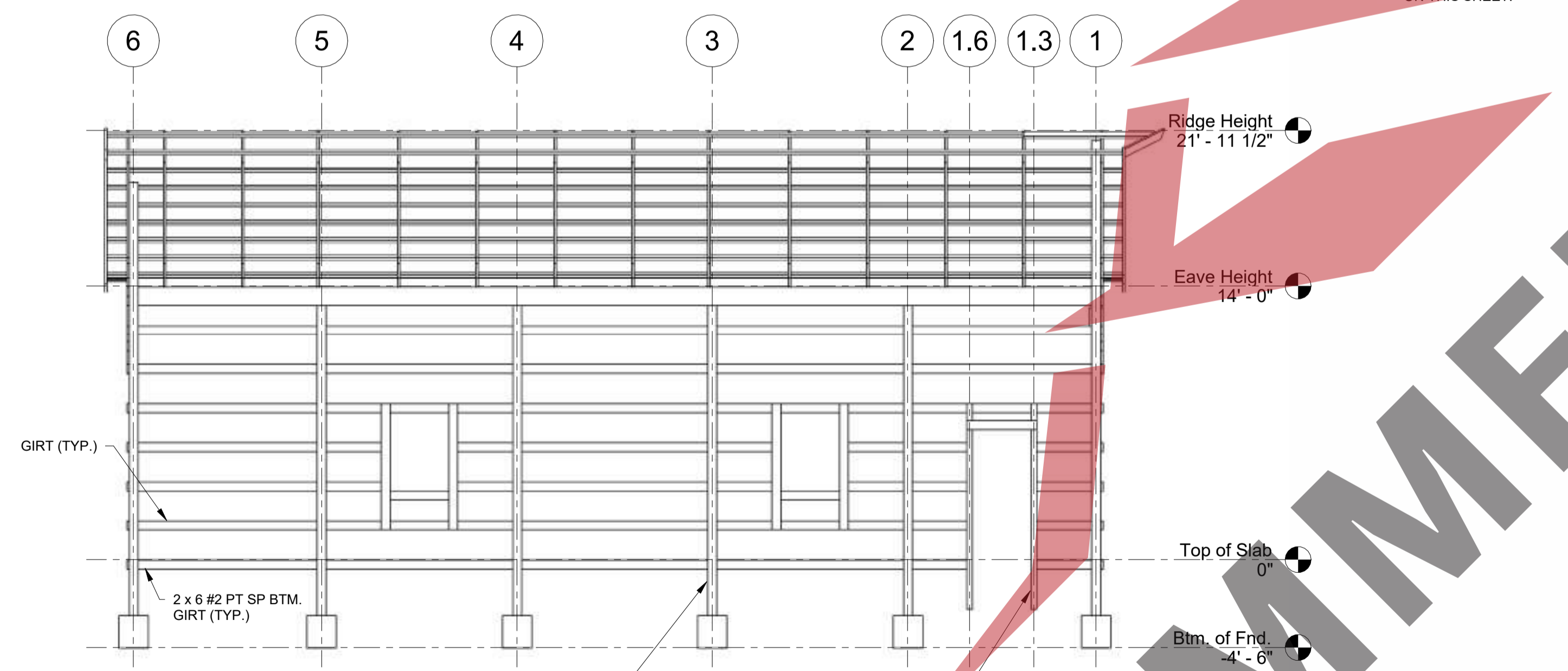


1 End Wall 1 Framing Elevation
3/16" = 1'-0"

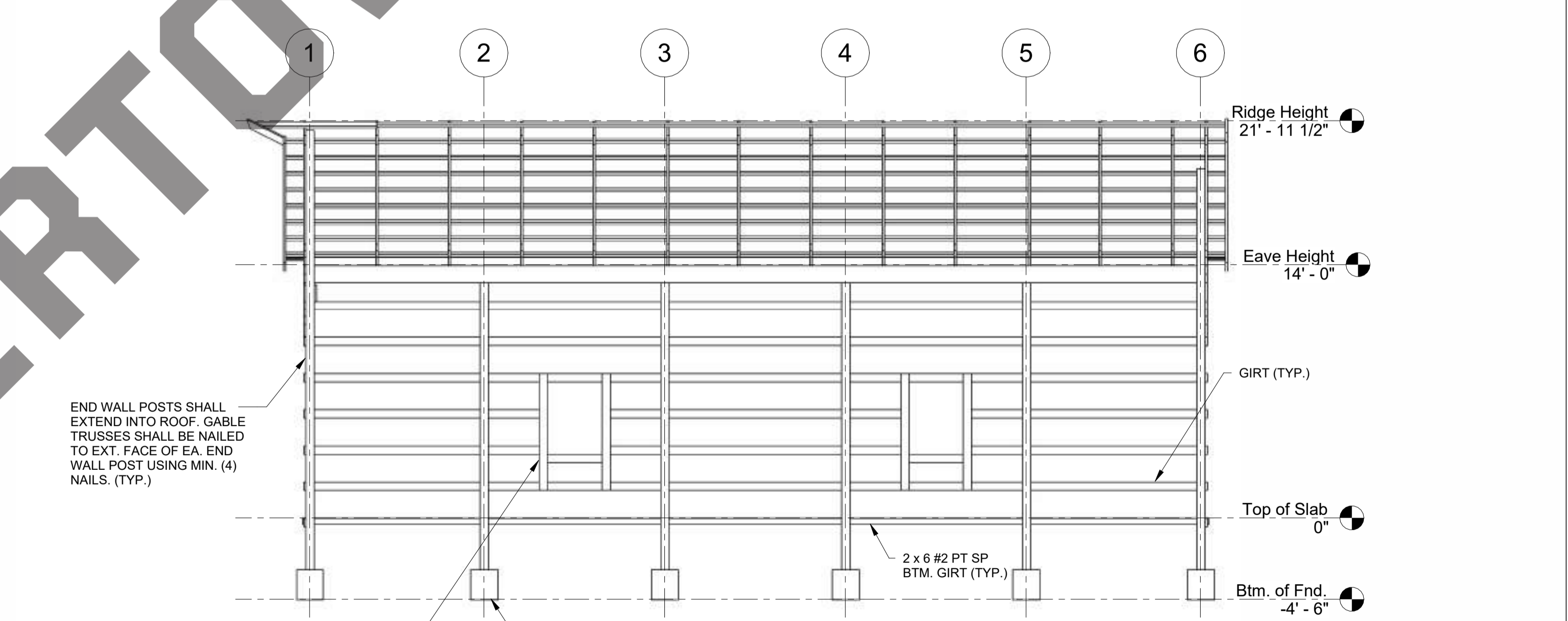


2 End Wall 2 Framing Elevation
3/16" = 1'-0"

- NOTES:**
- ALL NAILS SHALL BE 10d POST-FRAME RING SHANK NAILS W/ MIN. SHANK LENGTH OF 3" & MIN. SHANK Ø OF 0.148". (TYP. U.N.O.)
 - GIRTS SHALL BE 2x6 #2 SP & SPACED @ 2'-0" O.C. (TYP. U.N.O.)
 - GIRTS SHALL BE CONNECTED TO POSTS USING MIN. (3) NAILS
 - GIRT SPLICES SHALL CONFORM TO THE SAME REQUIREMENTS AS PURLIN SPLICES FOUND ON DETAIL 3, SHEET S.5
 - GIRT SPLICES SHALL ONLY BE PERMITTED @ POST LOCATIONS.
 - SEE STRUCTURAL DETAILS & SECTIONS ON SHEET S.6 FOR POST FOUNDATION REQUIREMENTS.
 - IF NAILING REQUIREMENTS ARE NOT SPECIFICALLY NOTED, NAILING PATTERN SHALL BE SAME AS FOR GIRTS. (TYP.)
 - ELEVATION VIEWS NOT SPECIFICALLY SHOWN SHALL CONFORM TO THE REQUIREMENTS OF VIEWS SHOWN ON THIS SHEET.



3 Side Wall 1 Framing Elevation
3/16" = 1'-0"



4 Side Wall 2 Framing Elevation
3/16" = 1'-0"

Current Revision	
Revision Table	Description
Number	Date
Revised By	
Description	
Structural Elevations	
Project No.	Project Status
Prepared For	Project Address
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Date Issued	
Scale	As indicated
Drawn By	Checked By
	Checker
Sheet	
S.4	