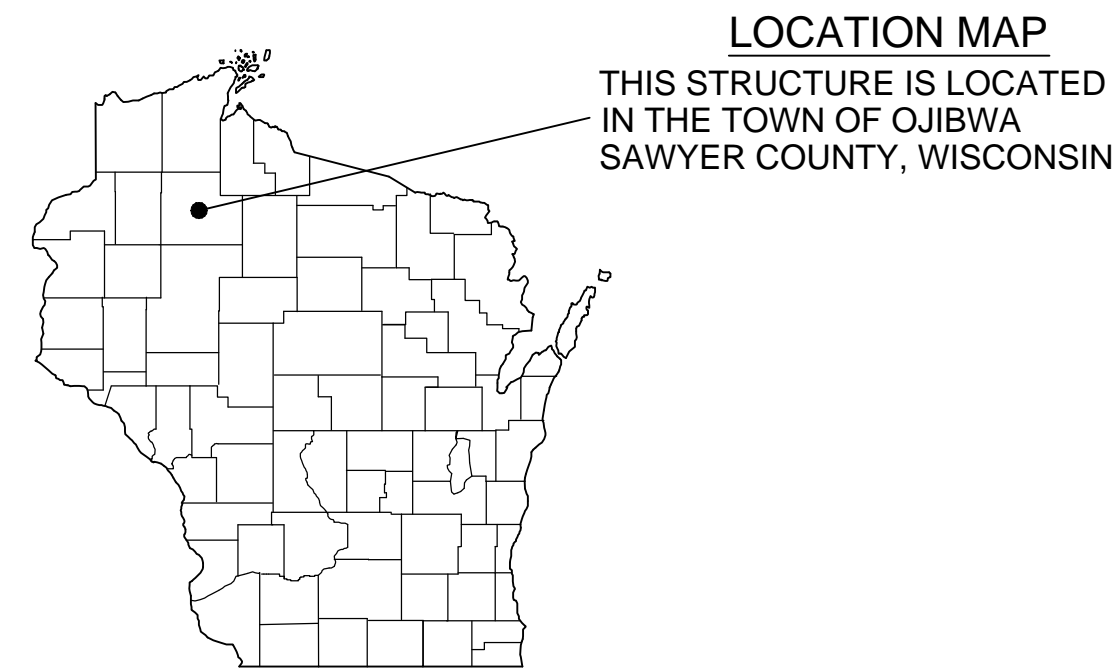
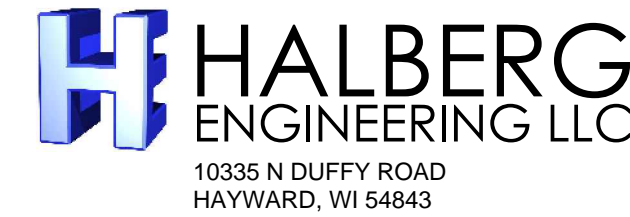


NEW BUILDING FOR: SAWYER COUNTY AMBULANCE

TOWN OF OJIBWA, WISCONSIN



DESIGN PROFESSIONAL:



ATTN: AARON HALBERG, PE
EMAIL: aaron@halbergengineering.com

DESIGN LOADS

ROOF LOAD	GROUND SNOW LOAD (Pg) = 60 PSF SNOW EXPOSURE FACTOR (Ce) = 1.0 SNOW LOAD IMPORTANCE FACTOR (Is) = 1.2 ROOF THERMAL FACTOR (Ct) = 1.1 FLAT ROOF SNOW LOAD = 55.4 PSF SLOPED ROOF / FLAT ROOF FACTOR (Ps) = 1.00 BALANCED SNOW LOAD = 55.4 PSF UNBALANCED SNOW LOAD = 0 / 67.5 PSF (WINDWARD / LEEWARD)
WIND LOAD	90 MPH WIND, WIND EXPOSURE 'C' WIND IMPORTANCE FACTOR (I) = 1.15 BUILDING ENCLOSURE TYPE -- ENCLOSED INTERNAL PRESSURE COEFFICIENT = +/- 0.18 COMPONENT & CLADDING DESIGN PRESSURE = +21.5, -23.4 PSF (FOR PORTIONS OF STRUCTURE NOT SPECIFIED BY DESIGN PROFESSIONAL)
SEISMIC LOAD	SEISMIC IMPORTANCE FACTOR (I _e) = 1.5 SITE CLASS = "D" SEISMIC DESIGN CATEGORY = "A" SPECTRAL RESPONSE COEFFICIENTS: S _{ds} = 5.9% S _{d1} = 3.0%
SOILS INFO.	CLASS OF SOIL MATERIAL: 4 FIRM ALLOWABLE SOIL PRESSURE: 2000 PSF *SHALLOW POST FOUNDATION PRESSURES ACCORDING TO ANS/AASAE EP486.1 OCT00

GENERAL BUILDING SPECIFICATIONS

ALL WORK GOVERNED BY STATE AND LOCAL CODES, ORDINANCES, AND REGULATIONS WHEREVER THEY MAY APPLY. DESIGNER'S LIABILITY TO THE PREPARATION OF THE DRAWINGS, WITH THE PARAMETERS CONTRACTED, AND ASCERTAINING CODE COMPLIANCE.
BUILDING OCCUPANCY: NON-SEPARATED, MIXED USE BUILDING (IBC 508.3) S-2 LOW HAZARD STORAGE, B BUSINESS, AND R-2 RESIDENTIAL (FOR SLEEPING ROOMS). SPRINKLER NOT REQUIRED PER WISCONSIN STATUTES 101.14 (4M) EXCEPTION (G) (WOOD FRAME UNPROTECTED CONSTRUCTION WITH AREA LESS THAN 4,800 S.F.)
BUILDING ADDRESS: 4395 N. HIGHWAY 27, TOWN OF OJIBWA, SAWYER COUNTY, WISCONSIN
NOTE: ELECTRONICALLY APPROVED BUILDING PLAN SETS WITH BOTH THE ENGINEER'S AND DSPS PLAN REVIEWER'S STAMPS AND SIGNATURES ARE THE OFFICIAL STATE DOCUMENTS

SHEET INDEX

SHEET NO.	DATE	CONTENTS
SHEET 1 OF 3	12/6/17	- SITE LAYOUT - GENERAL BUILDING SPECIFICATIONS
SHEET 2 OF 3	12/6/17	- FLOOR PLAN - BUILDING ELEVATIONS - MANEUVERING AND RESTROOM DETAILS
SHEET 3 OF 3	12/6/17	- BUILDING SECTIONS - CONSTRUCTION DETAILS

GENERAL REQUIREMENTS
NOTES & DETAILS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER THESE GENERAL NOTES. IF THERE IS UNCERTAINTY ABOUT THE INTENT OF THE DRAWINGS OR IF A MISTAKE IS SUSPECTED, CONTACT THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
ALL MATERIAL SHALL BE FURNISHED AS SHOWN HEREIN UNLESS THE OWNER OR ENGINEER APPROVES EQUAL ALTERNATIVES.
NO CHANGES ARE TO BE MADE TO THESE PLANS WITHOUT THE KNOWLEDGE AND WRITTEN CONSENT OF THE ENGINEER.
THE CONTRACT DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES, INCLUDING, BUT NOT LIMITED TO BRACING AND SHORING. OBSERVATION VISITS TO THE SITE BY THE ENGINEER AND/OR THE ENGINEER'S REPRESENTATIVE(S) SHALL NOT INCLUDE INSPECTION OF THE PROTECTIVE MEASURES OR THE CONSTRUCTION PROCEDURES.
EVERY EFFORT HAS BEEN MADE IN PREPARING THESE PLANS AND CHECKING THEM FOR ACCURACY. THE CONTRACTOR MUST CHECK ALL STRUCTURAL DETAILS AND DIMENSIONS, AND BE RESPONSIBLE FOR THE SAME.
THIS DRAWING AND ITS COPIES ARE THE COPYRIGHT OF THE DESIGN PROFESSIONAL, AND MAY NOT BE USED FOR PROJECTS OTHER THAN THE DESIGNATED PROJECT WITHOUT THE SPECIFIC WRITTEN CONSENT OF HALBERG ENGINEERING, LLC.
PROVIDE FIRE EXTINGUISHERS PER IFC 906. FIRE EXTINGUISHERS SHALL BE SELECTED, INSTALLED AND MAINTAINED IN ACCORDANCE WITH IFC 906 AND NFPA 10.
HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE HARDWARE SHALL BE PLACED AT LEAST 34 INCHES, BUT NOT MORE THAN 48 INCHES ABOVE THE FLOOR SURFACE.

ATTIC ACCESS:
PROVIDE EACH ATTIC SPACE (IF APPLICABLE) OF 30 INCHES OR GREATER IN HEIGHT WITH A 20 INCH BY 30 INCH ACCESS OPENING. THERE SHALL BE A MINIMUM OF 30 INCH CLEAR HEADROOM AT OR ABOVE THE ACCESS OPENING. ALTERNATIVELY, PROVIDE BETWEEN ATTIC SPACES, SELF-CLOSING, AUTOMATIC LATCHING ACCESS PANELS CONSTRUCTED OF DRAFTSTOPPING MATERIALS PER s.716.3.1

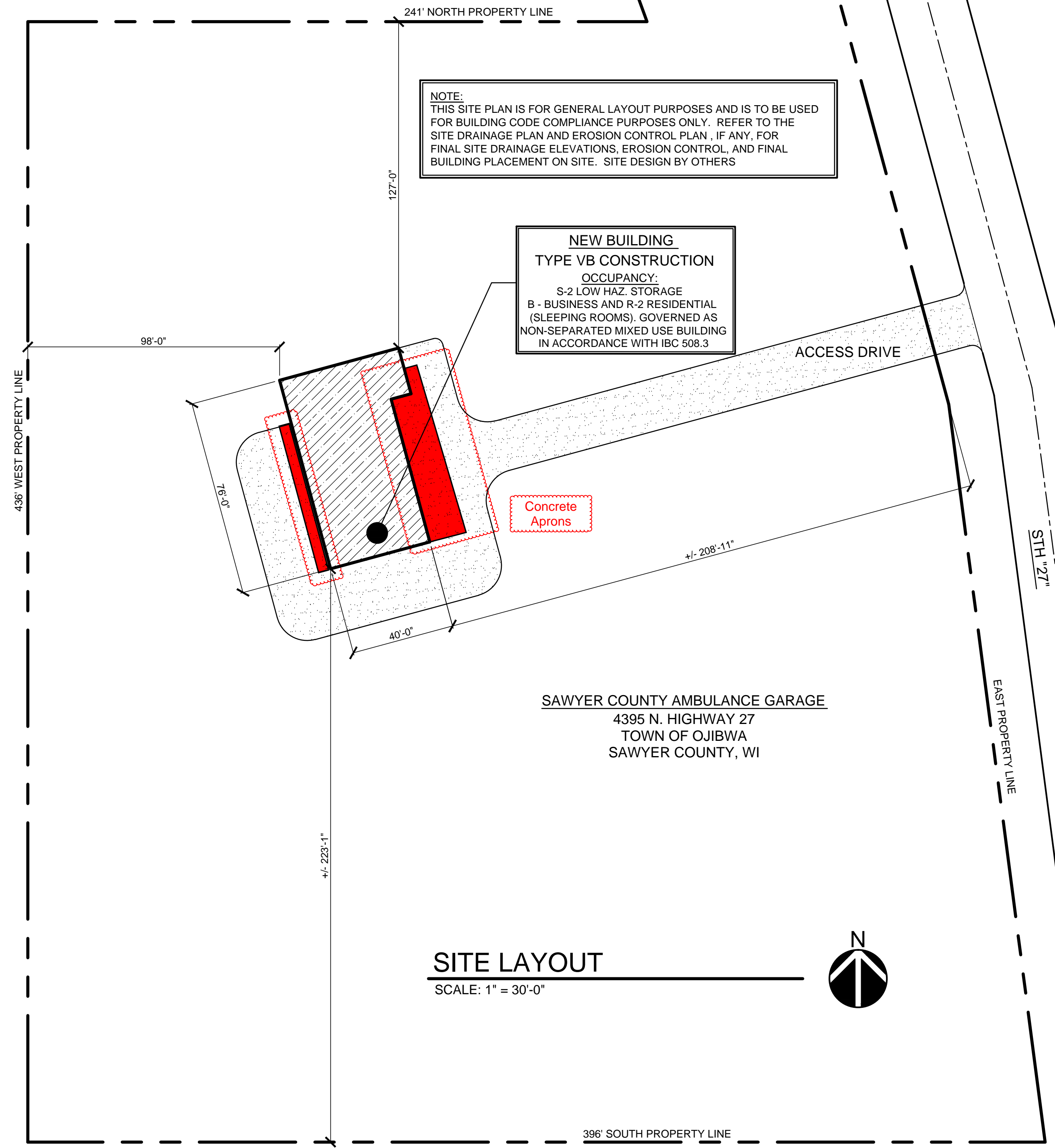
DOORS
THERE SHALL BE A FLOOR OR LANDING PROVIDED ON EACH SIDE OF DOOR SUCH FLOOR OR LANDING TO BE AT THE SAME ELEVATION ON EACH SIDE OF DOOR

HARDWARE REQUIREMENTS:
-ALL LOCKSETS SHALL BE LEVER TYPE AS REQUIRED TO MEET REQUIREMENTS OF A.D.A.
-ALL OTHER HARDWARE SHALL CONFORM TO THE REQUIREMENTS OF A.D.A.
-ALL EXIT DOORS SHALL BE EQUIPPED WITH LEVER TYPE OR PANIC TYPE EXIT HARDWARE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A LATCH, KEY, OR BOLT
-CONTRACTOR TO COORDINATE KEYING SCHEDULE WITH OWNER

HVAC:
HVAC CONTRACTOR TO ENSURE THAT HVAC PLANS AND CALCULATIONS (BY OTHERS) WITH APPROPRIATE FEES ARE SUBMITTED FOR APPROVAL TO THE SAME SAFETY AND BUILDINGS OFFICE WHICH THESE BUILDING PLANS WERE REVIEWED (SEE APPROVAL LETTER ATTACHED TO OFFICIAL PLAN SETS)
THESE HVAC PLANS TO MATCH THE BUILDING PLANS DESIGN OR THE BUILDING PLANS MUST BE REVISED TO MATCH THE HVAC PLANS

PLUMBING:
PLUMBING PLANS TO BE SUBMITTED BY PLUMBING CONTRACTOR AT TIME OF SUBMITTAL

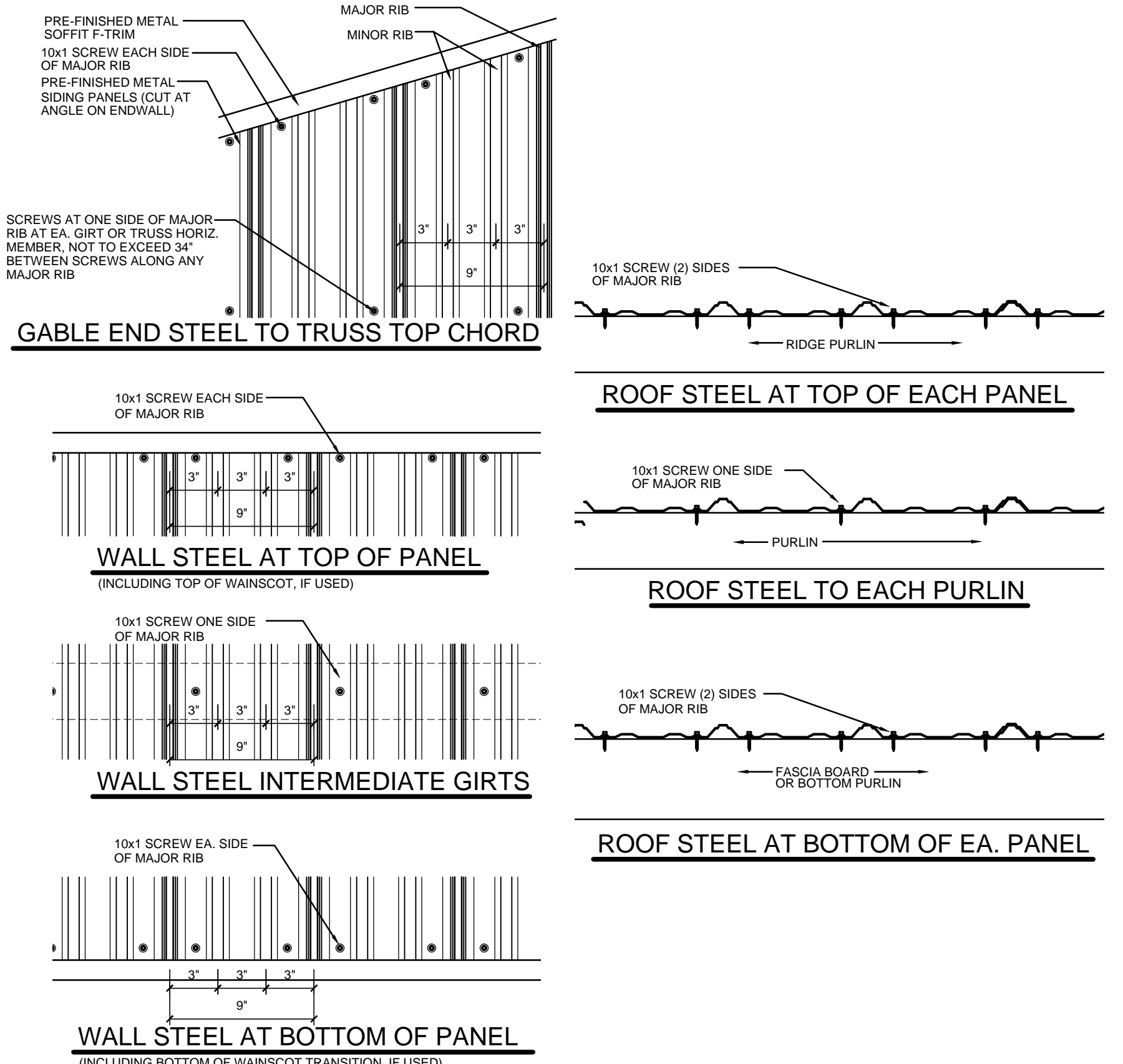
**A COPY OF THE STATE APPROVED PLANS AND APPROVAL LETTER SHALL BE ON-SITE DURING CONSTRUCTION AND OPEN TO INSPECTION BY AUTHORIZED REPRESENTATIVES OF THE DEPARTMENT, WHICH MAY INCLUDE LOCAL INSPECTORS. ALL PERMITS REQUIRED BY THE STATE OR LOCAL MUNICIPALITY SHALL BE OBTAINED PRIOR TO COMMENCEMENT OF CONSTRUCTION / INSTALLATION / OPERATION.



NOTE:
THIS SITE PLAN IS FOR GENERAL LAYOUT PURPOSES AND IS TO BE USED FOR BUILDING CODE COMPLIANCE PURPOSES ONLY. REFER TO THE SITE DRAINAGE PLAN AND EROSION CONTROL PLAN, IF ANY, FOR FINAL SITE DRAINAGE ELEVATIONS, EROSION CONTROL, AND FINAL BUILDING PLACEMENT ON SITE. SITE DESIGN BY OTHERS

NEW BUILDING
TYPE VB CONSTRUCTION
OCCUPANCY:
S-2 LOW HAZ. STORAGE
B - BUSINESS AND R-2 RESIDENTIAL (SLEEPING ROOMS), GOVERNED AS NON-SEPARATED MIXED USE BUILDING IN ACCORDANCE WITH IBC 508.3

SAWYER COUNTY AMBULANCE GARAGE
4395 N. HIGHWAY 27
TOWN OF OJIBWA
SAWYER COUNTY, WI



PROJECT: NEW AMBULANCE SHOP AND LIVING QUARTERS
 OWNER: SAWYER COUNTY AMBULANCE GARAGE
 APPROVED PLANS
 REVISIONS
 DATE: 7/17/17
 DESCRIPTION: PRELIMINARY DRAWINGS ISSUED
 DATE: 10/16/17
 DESCRIPTION: PRELIMINARY DRAWINGS ISSUED
 DATE: 10/26/17
 DESCRIPTION: PRELIMINARY DRAWINGS ISSUED
 DATE: 10/30/17
 DESCRIPTION: ISSUED FOR STATE PLAN APPROVAL
 DATE: 12/6/17
 DESCRIPTION: REVISED WITHOUT FIREWALL

DRAWN BY: BVL
 DATE DRAWN: 11/16/17
 PROJECT MANAGER: PH
 JOB NUMBER: 17A70
 SHEET OF 3

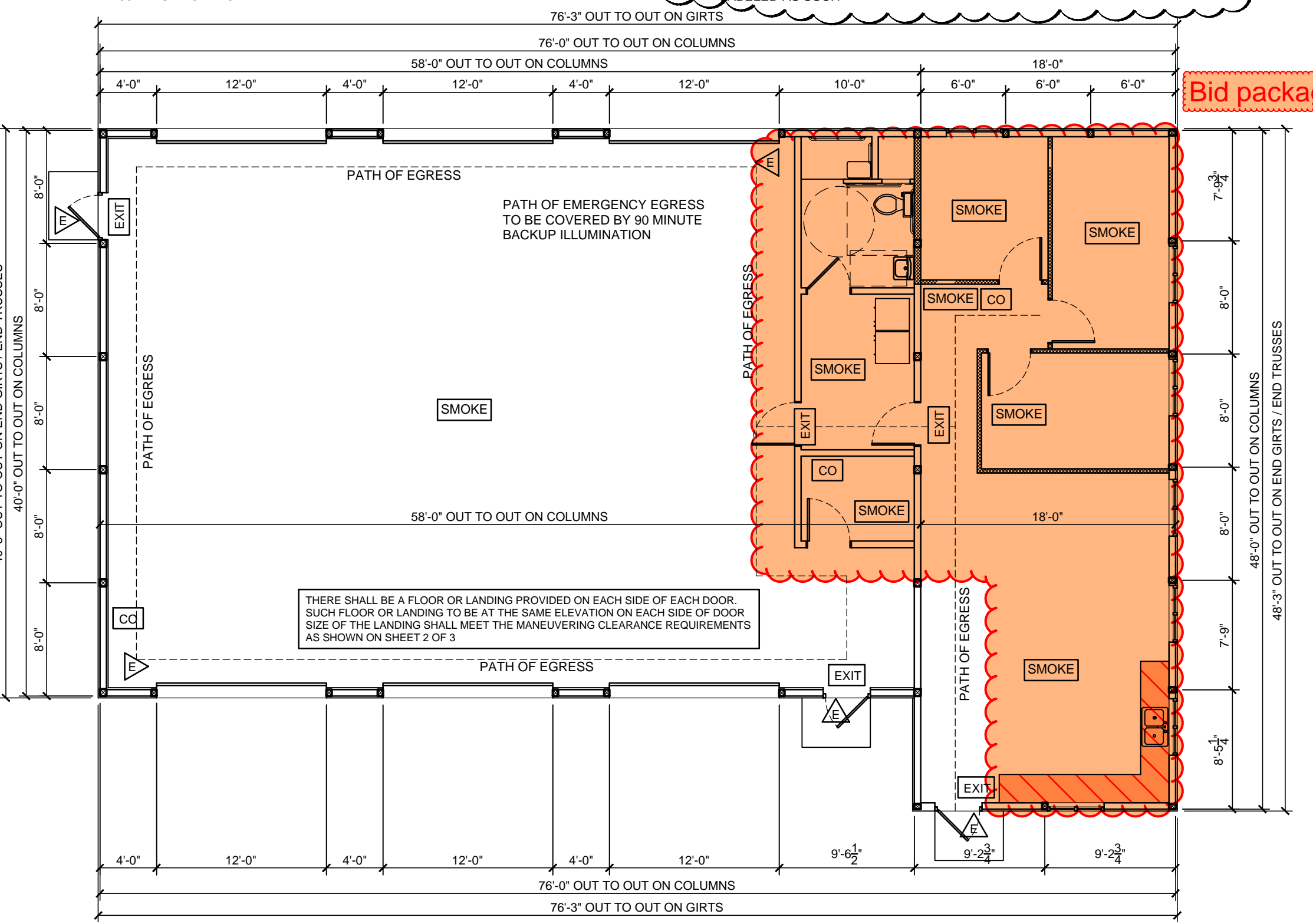
ENGINEERING DESIGN & ANALYSIS BY:
HALBERG ENGINEERING LLC
 Specialists in Post Frame Engineering
 www.halbergengineering.com
 aaron@halbergengineering.com

(SMOKE)
SMOKE DETECTORS REQUIRED IN THIS BUILDING PER IBC 907.2.11 IN AT LEAST EACH SLEEPING AREA AND ROOM THAT IS PART OF THE MEANS OF EGRESS. DETECTORS TO BE INTERCONNECTED WHERE ALARM OF ONE WILL SOUND THE ALARM AT ALL UNITS AND BE POWERED BY THE MAIN BUILDING POWER WITH THE BATTERY BACKUP. DETECTORS SHALL BE LISTED TO COMPLY WITH UL217 AND SHALL BE INSTALLED IN COMPLIANCE WITH THE IBC 907.2.11 AND NFPA72

(EXIT)
ILLUMINATED EXIT SIGN INCORPORATING BATTERY BACKUP EGRESS ILLUMINATION THAT TURNS ON AUTOMATICALLY IN THE EVENT OF POWER LOSS WITH 90 MINUTE CAPACITY

(CO)
CARBON MONOXIDE (CO) DETECTORS REQUIRED IN THE BUILDING AT THE SUGGESTED LOCATIONS AT A MINIMUM TO MEET THE REQUIREMENTS OF SPS 362.1200. DETECTORS MEET UL2034 REQUIREMENTS AND BE LISTED AND LABELED AS SUCH

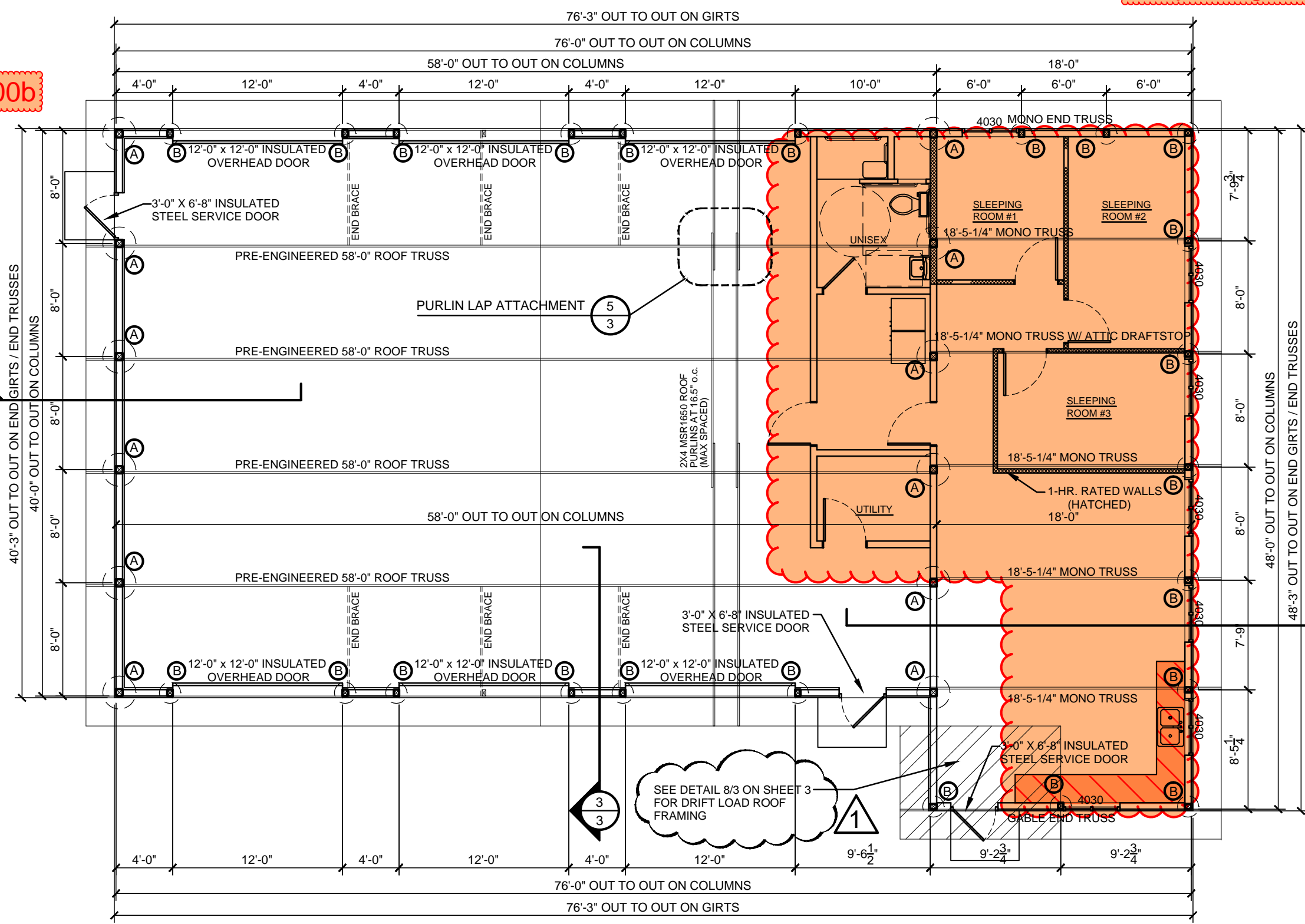
BATTERY BACKUP EGRESS ILLUMINATION LAMPS THAT TURN ON AUTOMATICALLY IN THE EVENT OF POWER LOSS WITH 90 MINUTE CAPACITY. EXTERIOR LAMPS OUTSIDE EXIT DOORS MAY BE INCORPORATED WITH THE EXIT SIGNS INSIDE AS A REMOTE HEAD OFF THE SAME BATTERY SYSTEM.
(2) INTERIOR HEAD LOCATIONS SHOWN TO PROVIDE ADEQUATE LIGHTING TO PATH THROUGHOUT GARAGE



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

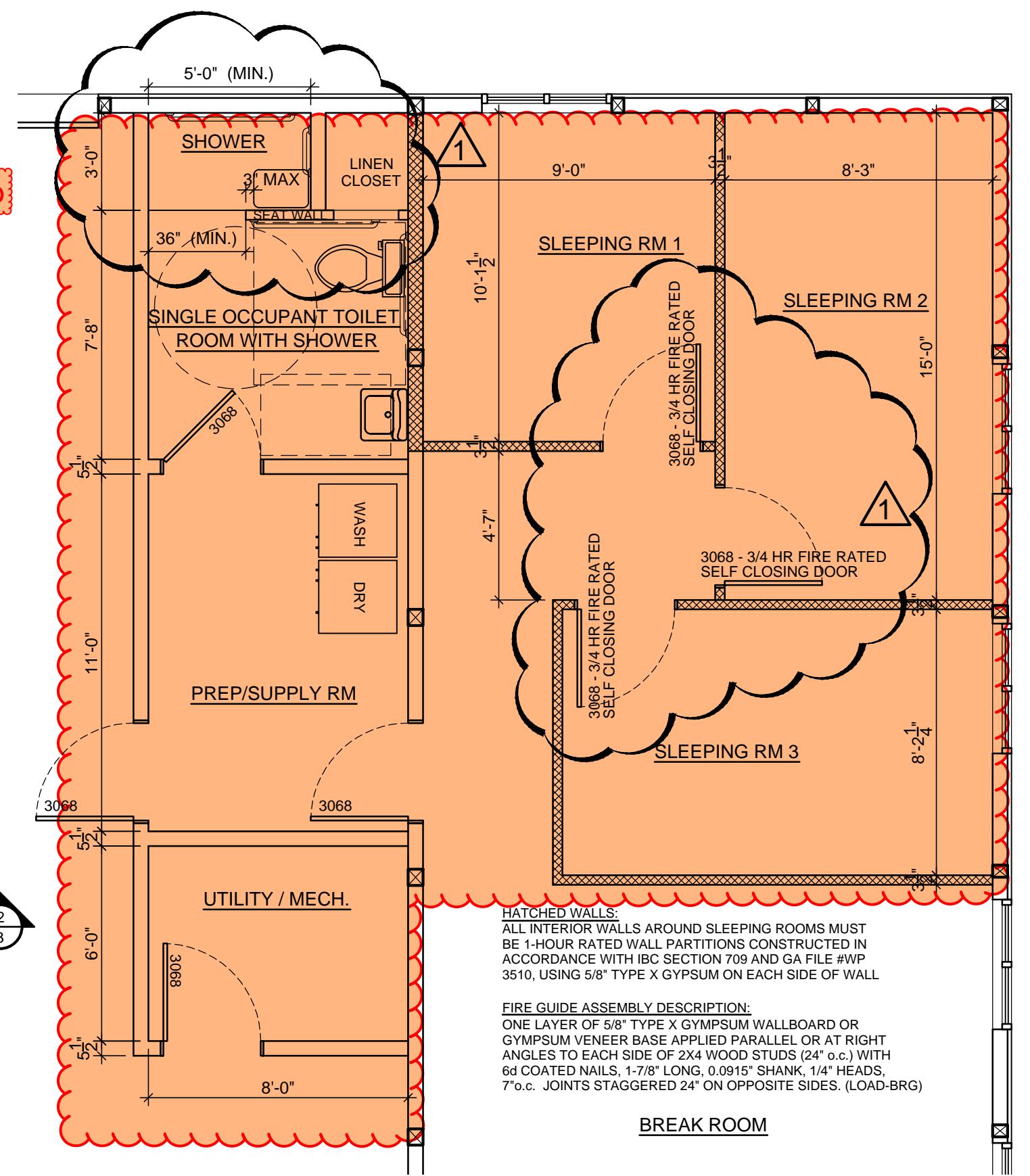
COLUMN SCHEDULE

ID	SIZE	COLUMN TYPE	FOOTING	NOTES
1	4-PLY 2X6	TITAN TRUSS GLULAM BY TYMBER TECHNOLOGIES	24" DIA. x 12" THICK POURED CONC. PAD	PROVIDE 2X6 TRIP UP/LIFT BLOCKS TO ALL SIDES OF THE COLUMN AT THE BASE OF THE COLUMN. SECURE 1/4" BLOCK TO THE COLUMN WITH 3/8" GALV. RING SHANK NAILS. PRE-DRILL BLOCKS IF NECESSARY TO PREVENT BLOCKS FROM SPLITTING.
2	3-PLY 2X6	TITAN TRUSS GLULAM BY TYMBER TECHNOLOGIES	18" DIA. x 8" THICK POURED CONC. PAD	EMBEDMENT DEPTH OF ALL COLUMNS TO BE 4'-0" (MIN.) BELOW T.O. CONC.

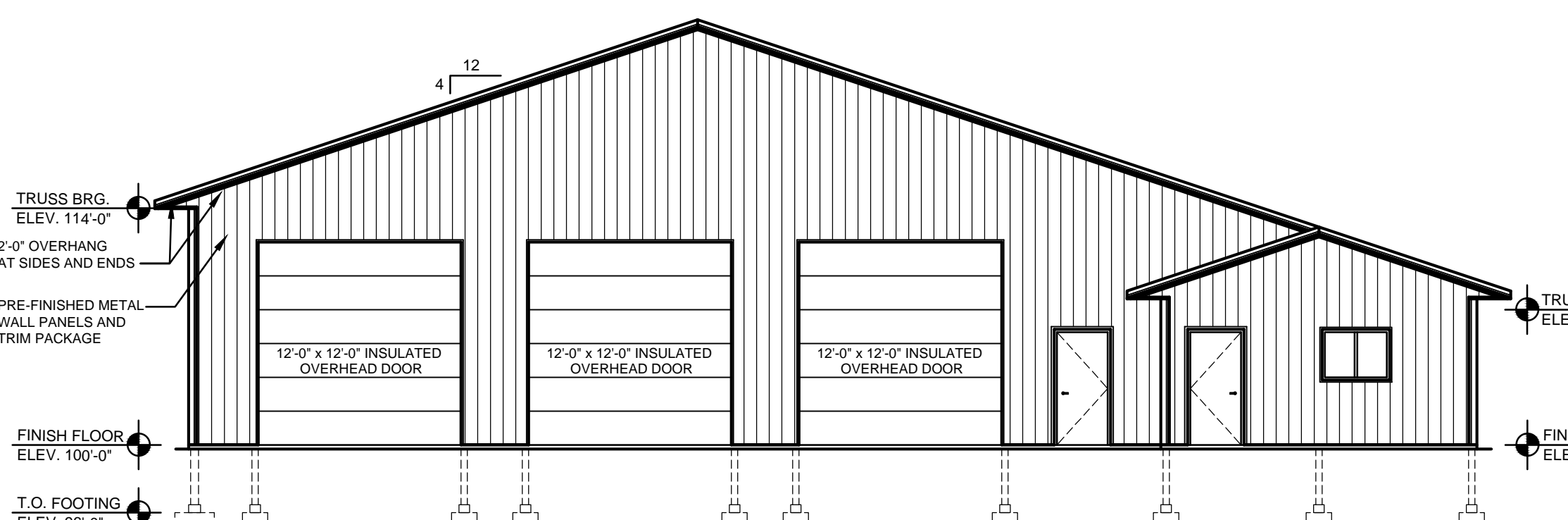


STRUCTURAL FLOOR PLAN
SCALE: 1/8" = 1'-0"

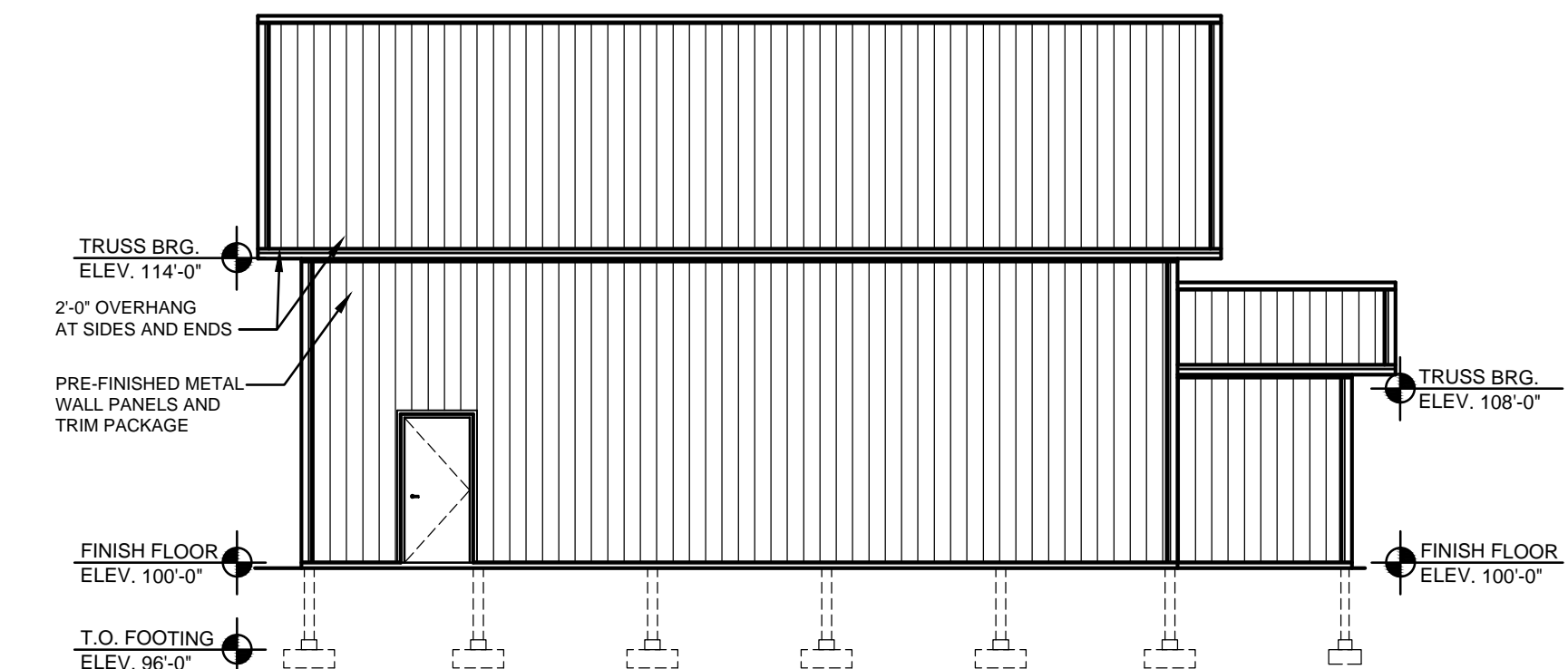
Bid package 100b



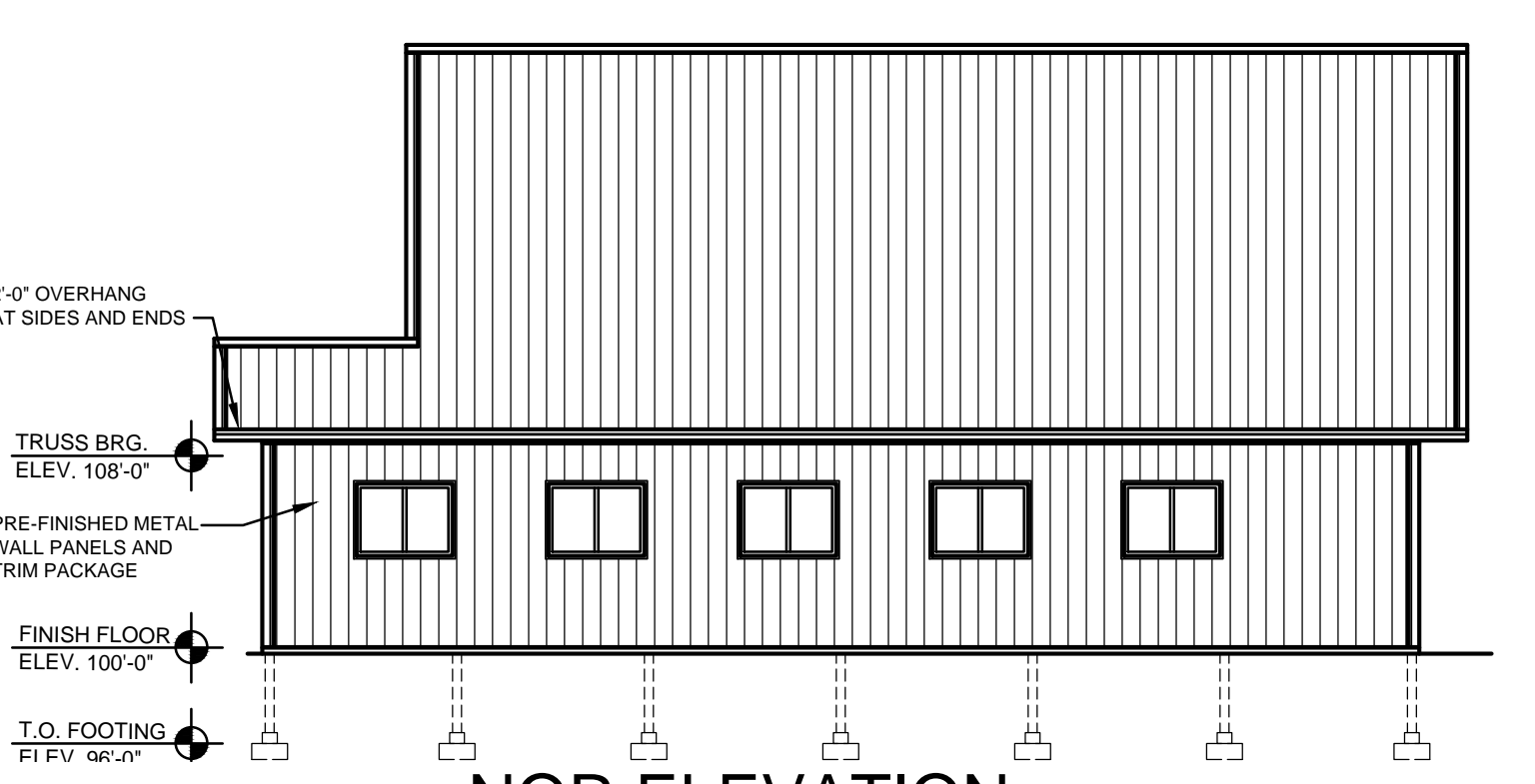
ENLARGED INTERIOR LAYOUT
SCALE: 1/4" = 1'-0"



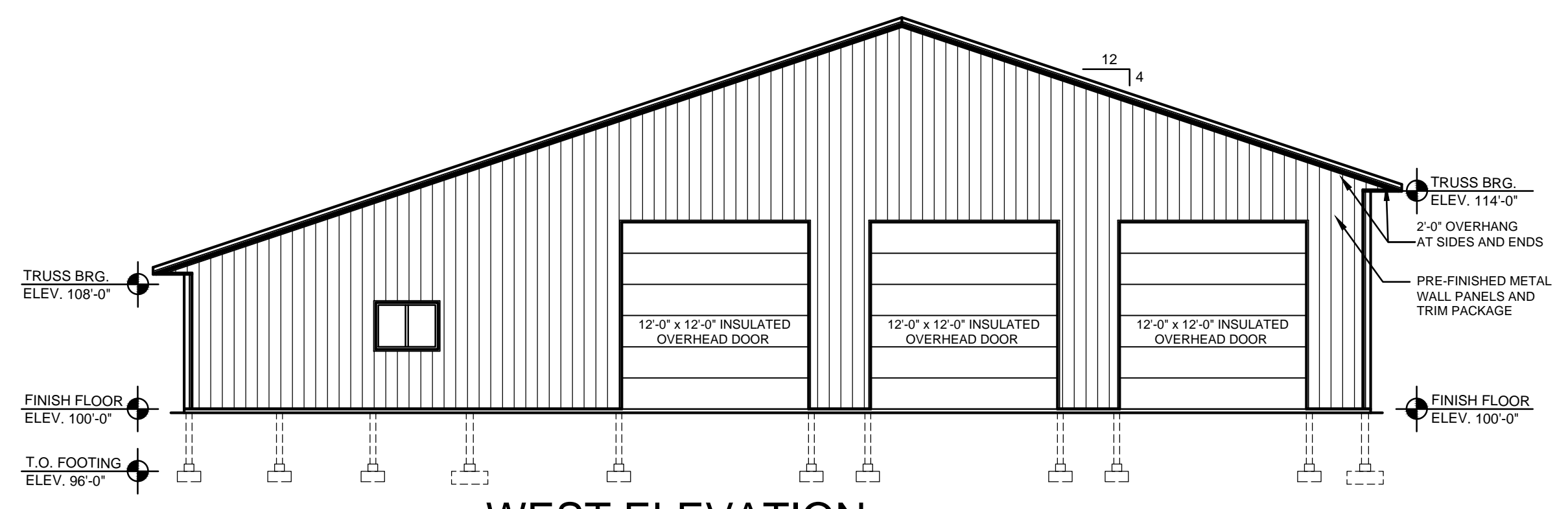
EAST ELEVATION
SCALE: 1/8" = 1'-0"



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



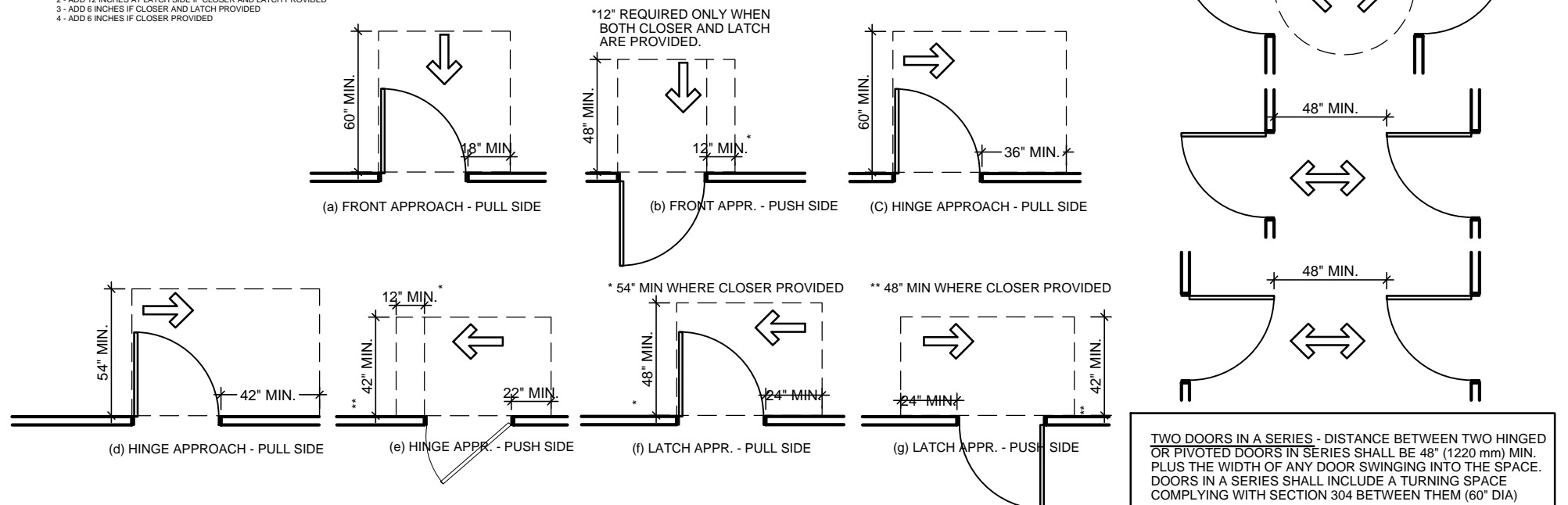
NOR ELEVATION
SCALE: 1/8" = 1'-0"



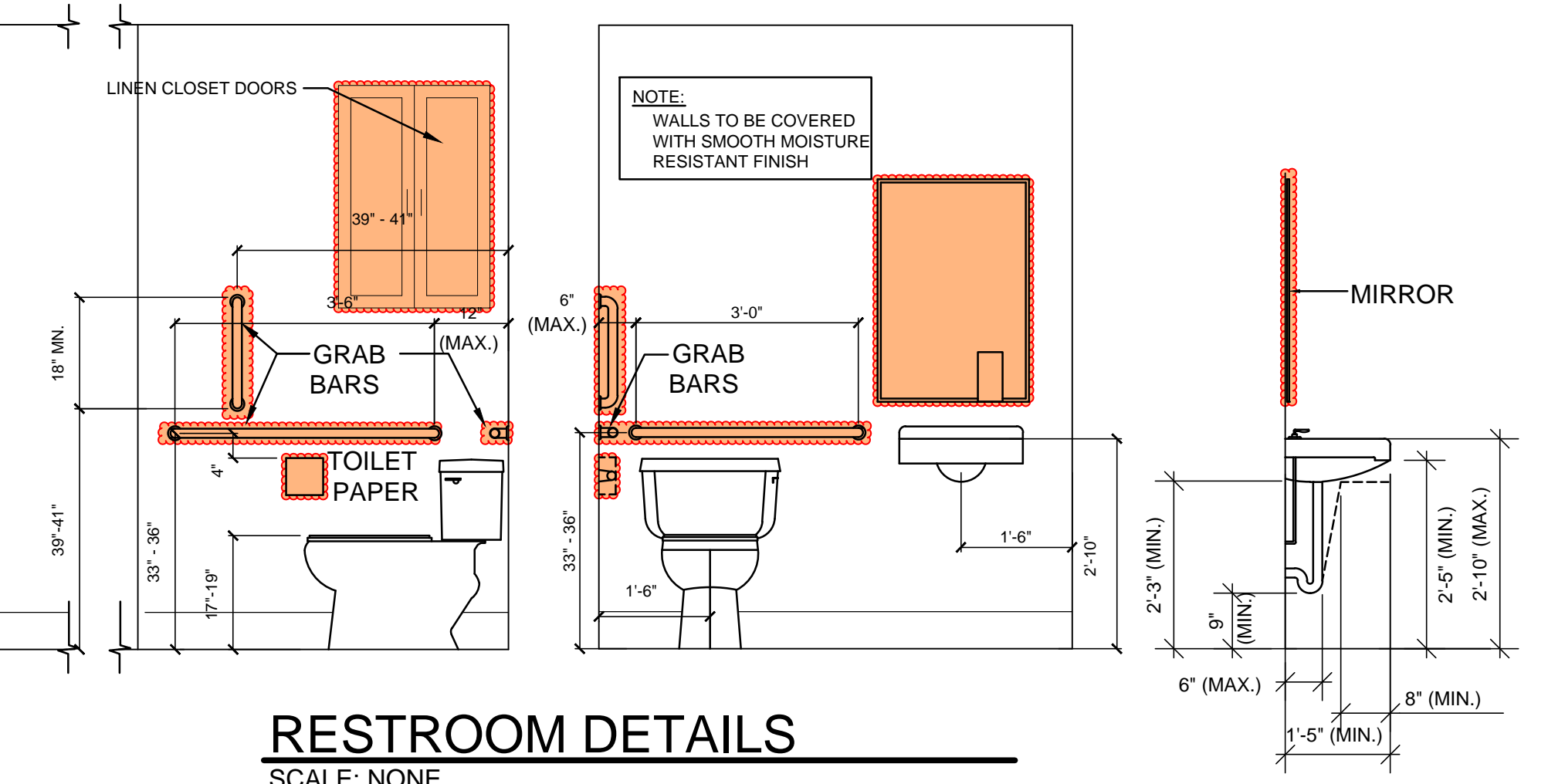
WEST ELEVATION
SCALE: 1/8" = 1'-0"

TYPE OF USE

APPROACH DIRECTION	DOOR SIDE	PERPENDICULAR TO DOOR	BEYOND LATCH PARALLEL TO DOOR
(a) FROM FRONT	PULL	60 INCHES (1525 mm)	LATCH, 18 INCHES (455 mm)
(b) FROM FRONT	PUSH	48 INCHES (1220 mm)	LATCH, 0 INCHES (0 mm)
(c) FROM HINGE	PULL	60 INCHES (1525 mm)	LATCH, 36 INCHES (915 mm)
(d) FROM HINGE	PULL	54 INCHES (1370 mm)	LATCH, 42 INCHES (1065 mm)
(e) FROM HINGE	PUSH	42 INCHES (1065 mm)	HINGE, 22 INCHES (570 mm)
(f) FROM LATCH	PULL	48 INCHES (1220 mm)	LATCH, 24 INCHES (610 mm)
(g) FROM LATCH	PUSH	42 INCHES (1065 mm)	LATCH, 24 INCHES (610 mm)



MANEUVERING CLEARANCE REQUIREMENTS
SCALE: NONE



RESTROOM DETAILS
SCALE: NONE

THESE PLANS HAVE BEEN PRODUCED BY HALBERG ENGINEERING, LLC. PROJECT: NEW AMBULANCE SHOP AND LIVING QUARTERS AND LIVING QUARTERS. OWNER: SAWYER COUNTY. AMBULANCE GARAGE.

NOTE: MANUFACTURER OF EQUIPMENT SHALL BE DETERMINED BY THE MANAGER OF THE PROJECT. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. ALL MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. ALL MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

ENGINEERING DESIGN & ANALYSIS BY: **HALBERG ENGINEERING, LLC**

PROJECT: NEW AMBULANCE SHOP AND LIVING QUARTERS AND LIVING QUARTERS
OWNER: SAWYER COUNTY
AMBULANCE GARAGE

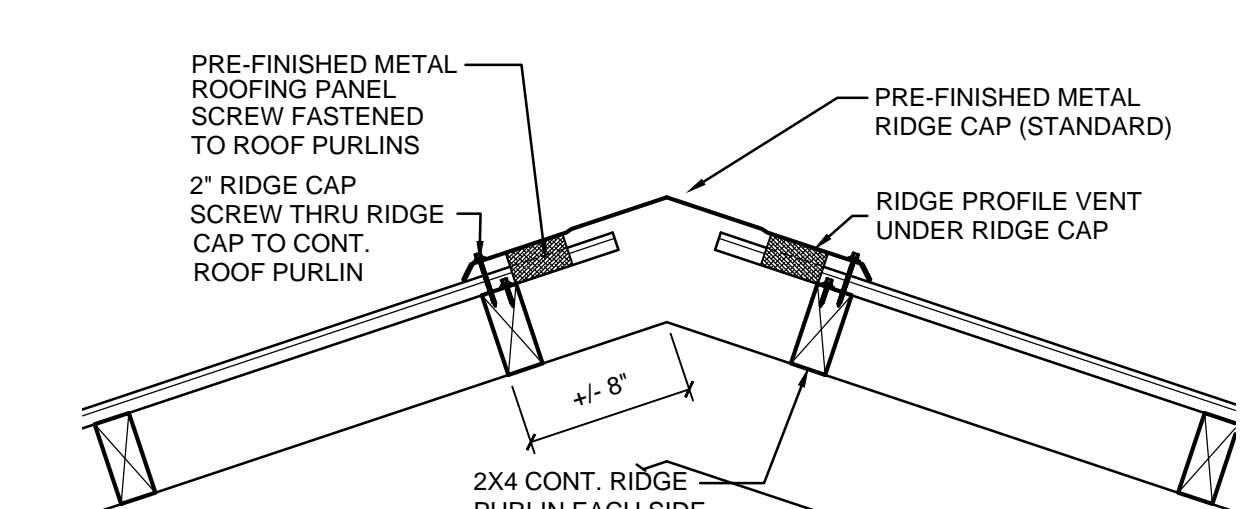
APPROVED PLANS: BUILDING OWNER: DATE: PROJECT MANAGER: DATE:

REVISIONS:

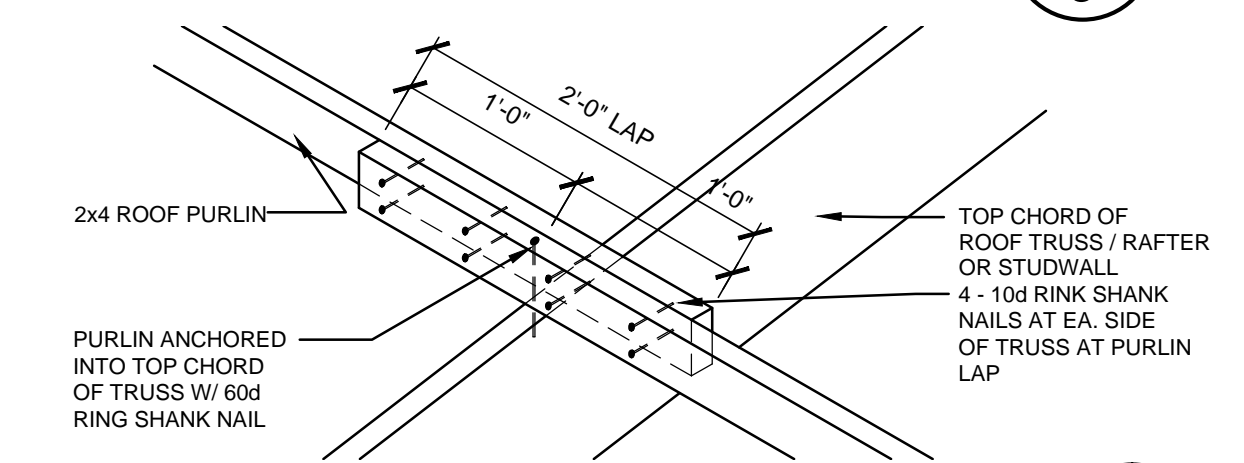
DATE	DESCRIPTION	BY	DATE
11/16/17	PRELIMINARY DRAWINGS ISSUED	BVL	11/16/17
10/16/17	PRELIMINARY DRAWINGS ISSUED	BVL	10/16/17
10/26/17	PRELIMINARY DRAWINGS ISSUED	BVL	10/26/17
10/30/17	ISSUED FOR STATE PLAN APPROVAL	AJHT	10/30/17
12/6/17	REVISED WITHOUT FIREWALL	AJHT	12/6/17

DRAWN BY: BVL
DATE DRAWN: 11/16/17
PROJECT MANAGER: PH
JOB NUMBER: 17A70

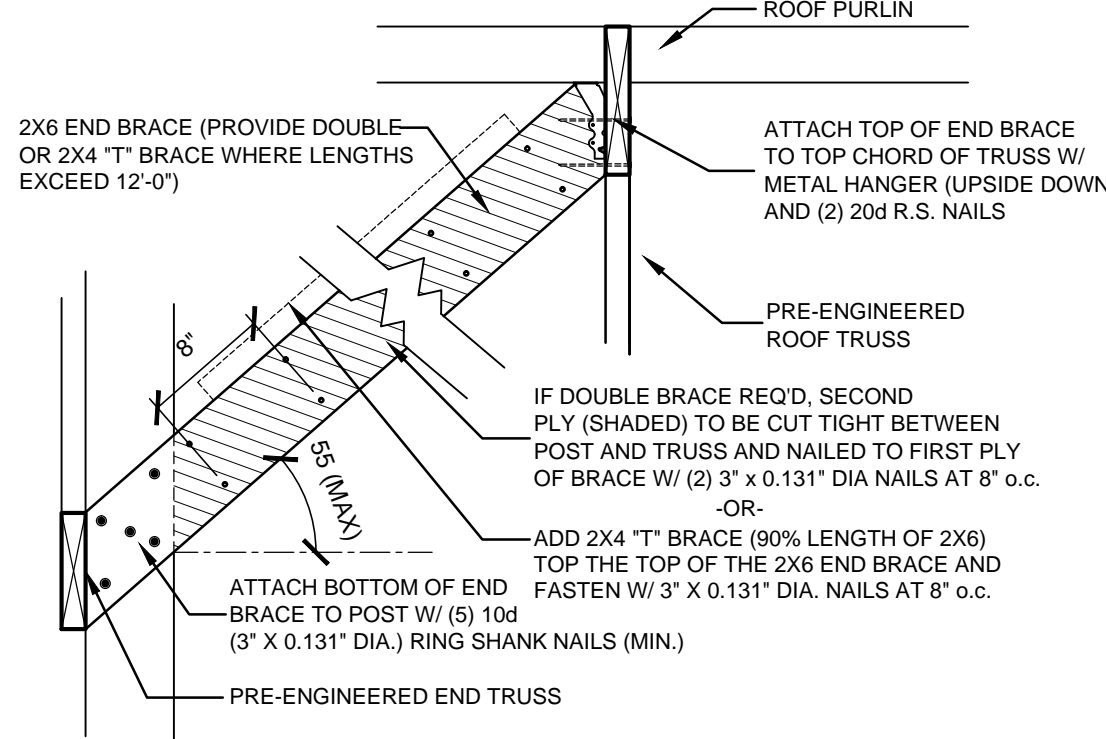
SHEET OF 3



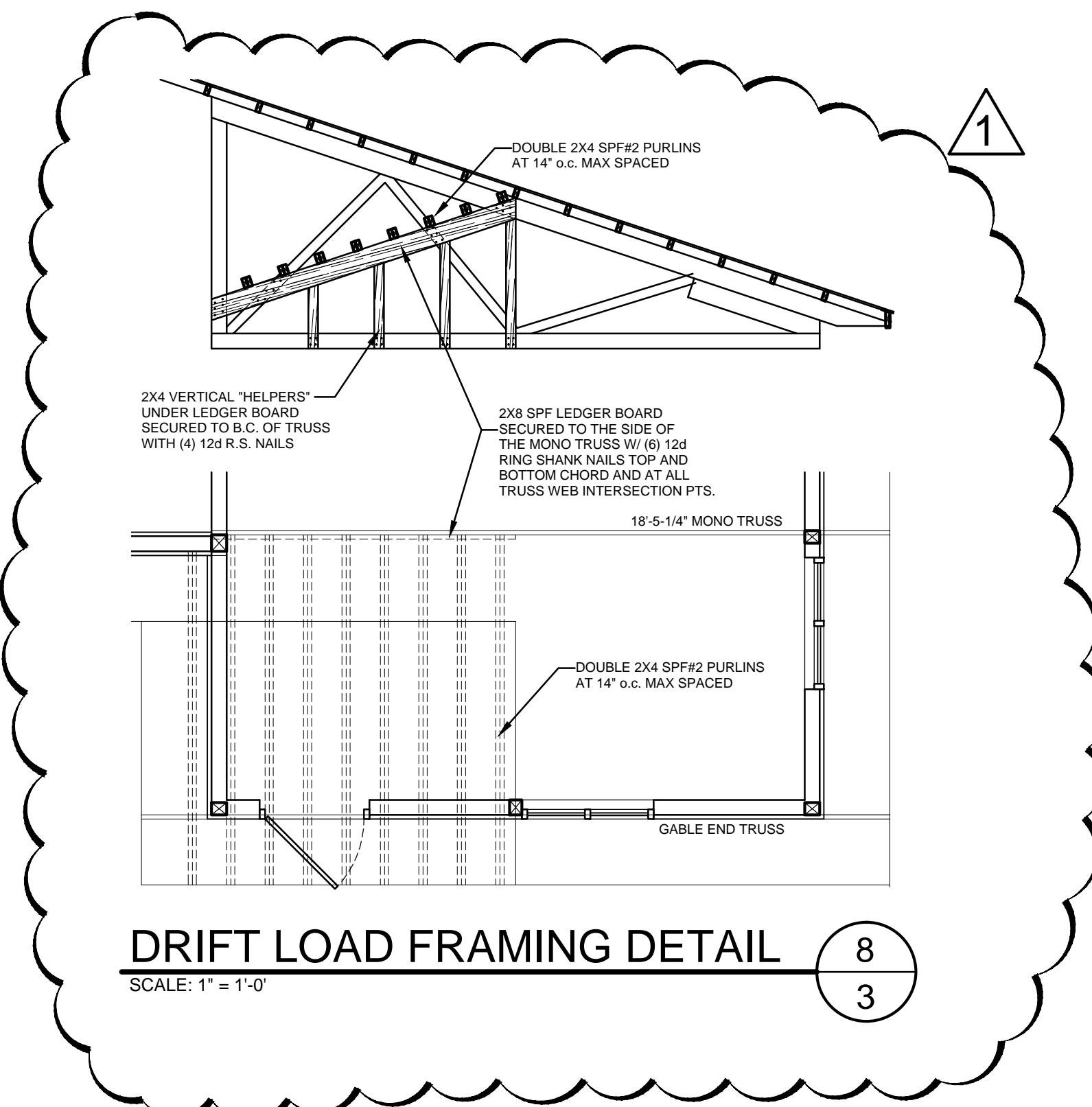
PEAK DETAIL
SCALE: 1-1/2" = 1'-0"
4
3



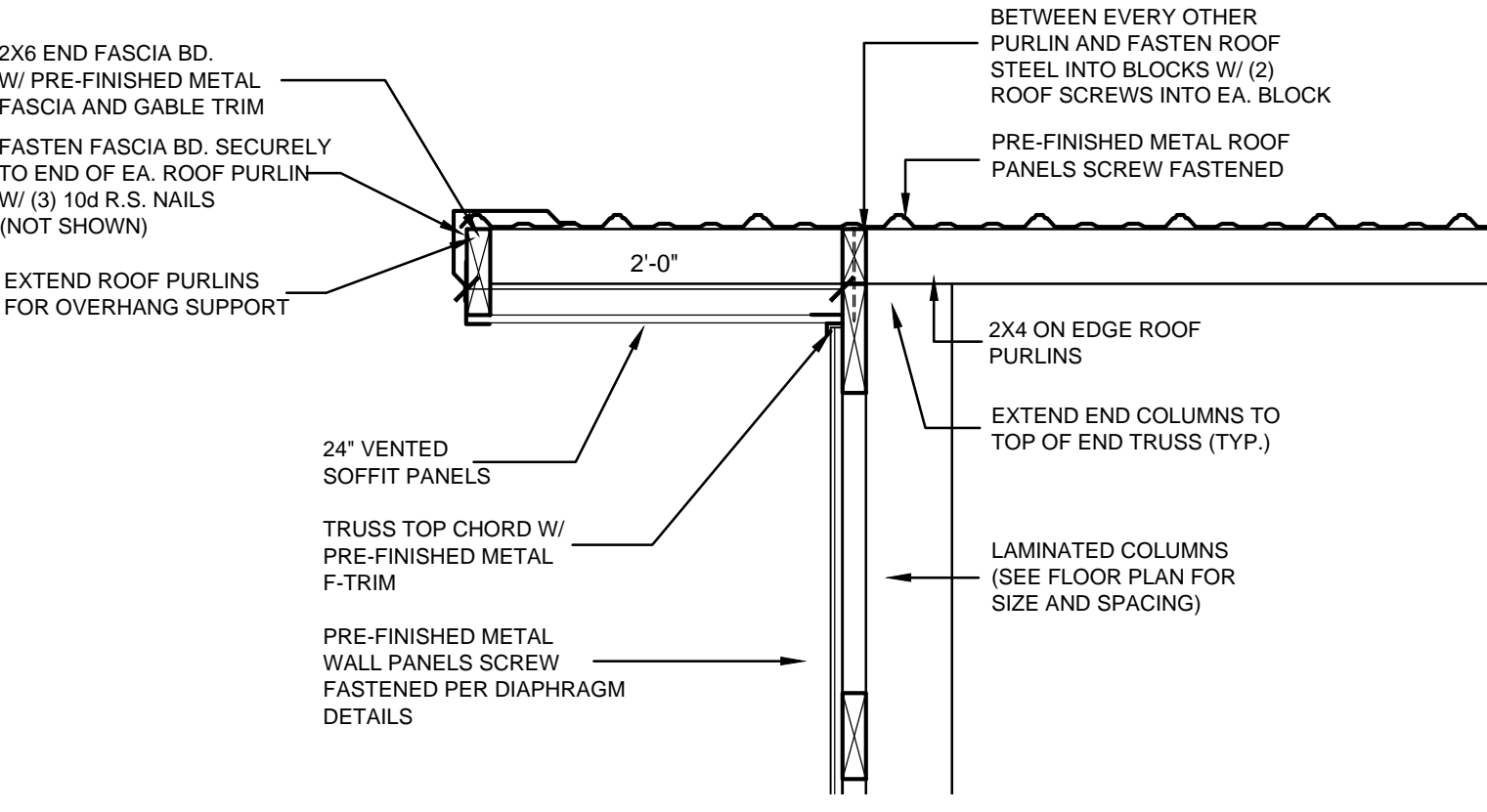
ON EDGE PURLIN ATTACHMENT
SCALE: 1" = 1'-0"
5
3



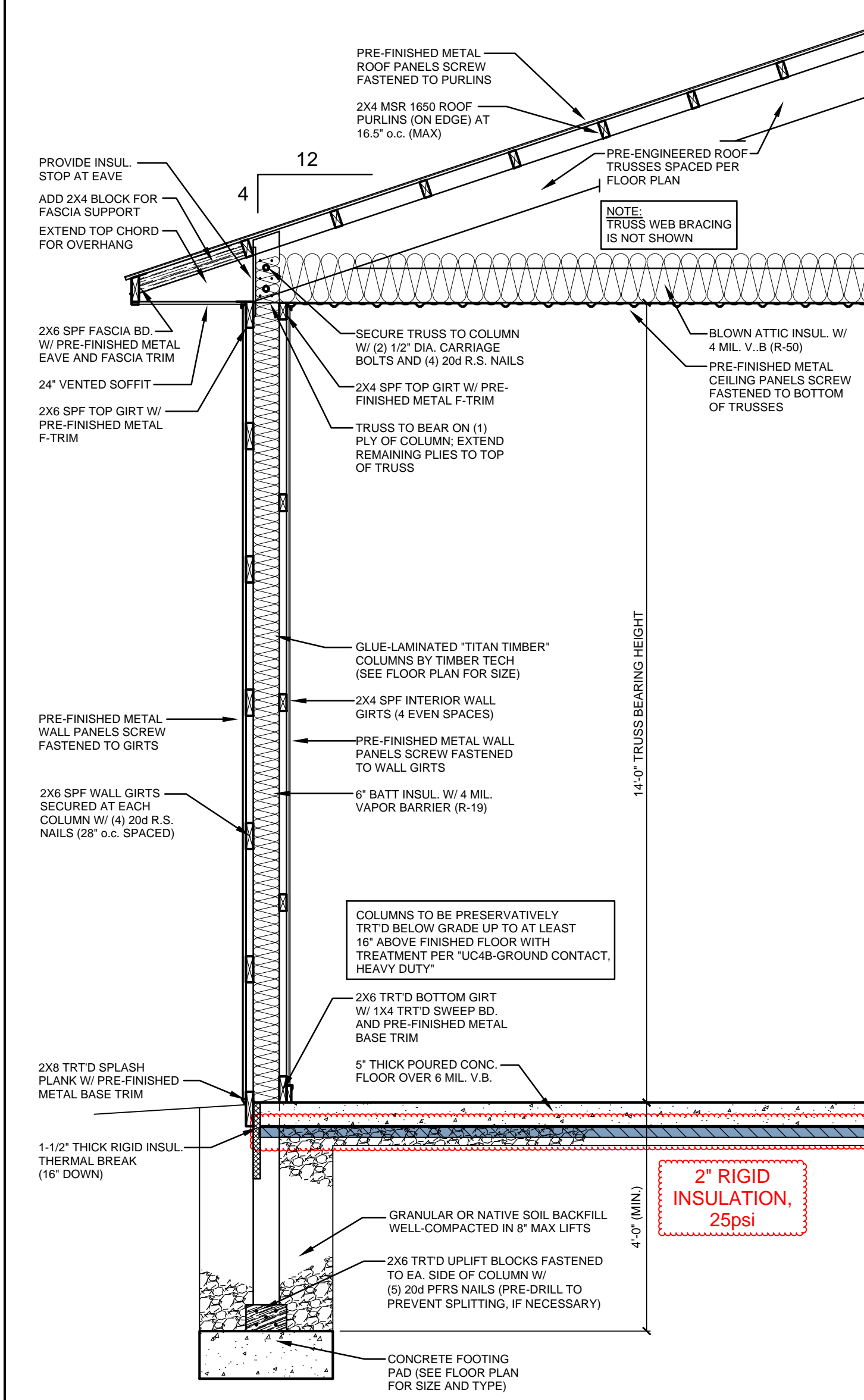
END BRACE ATTACHMENT
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6
3



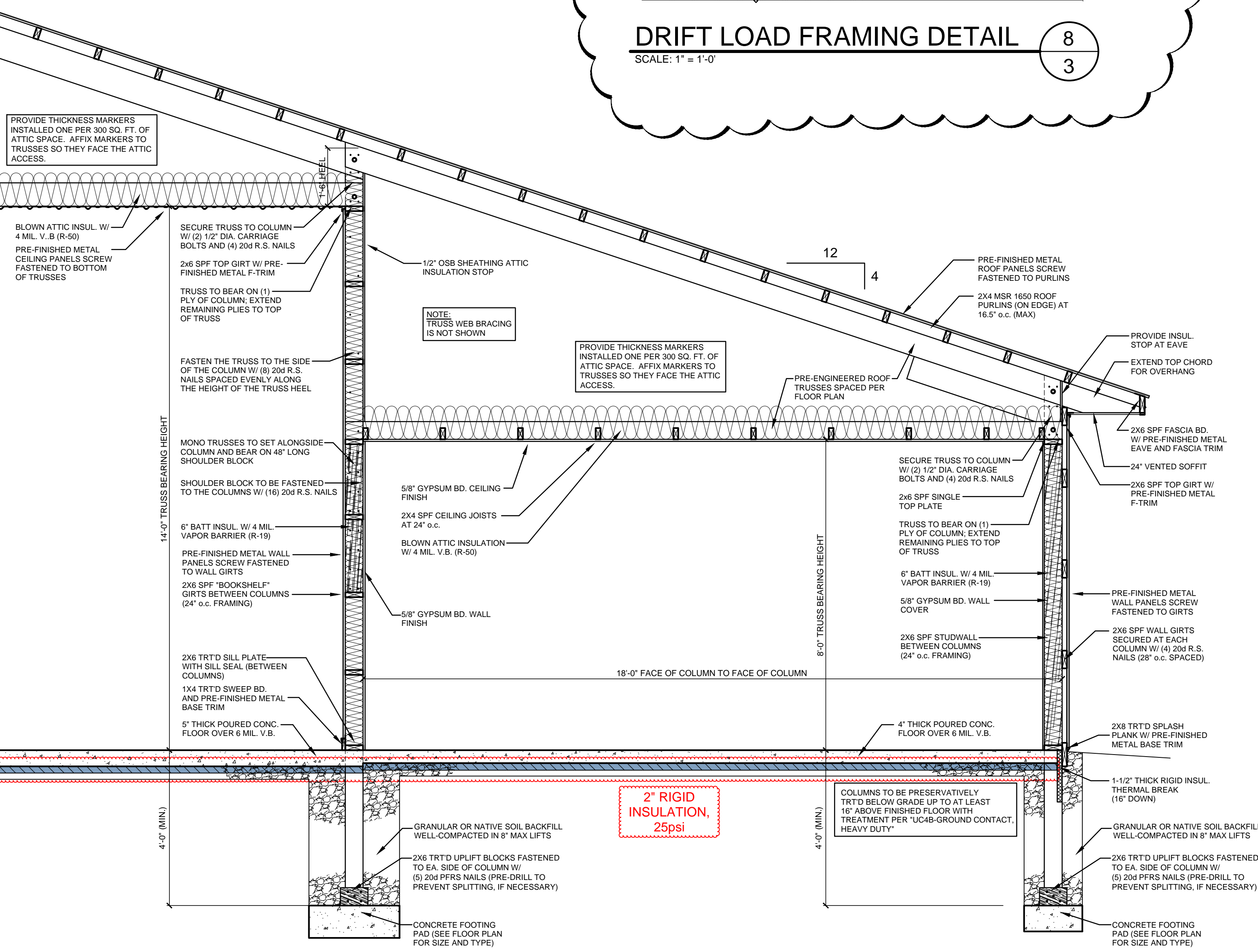
DRIFT LOAD FRAMING DETAIL
SCALE: 1" = 1'-0"
8
3



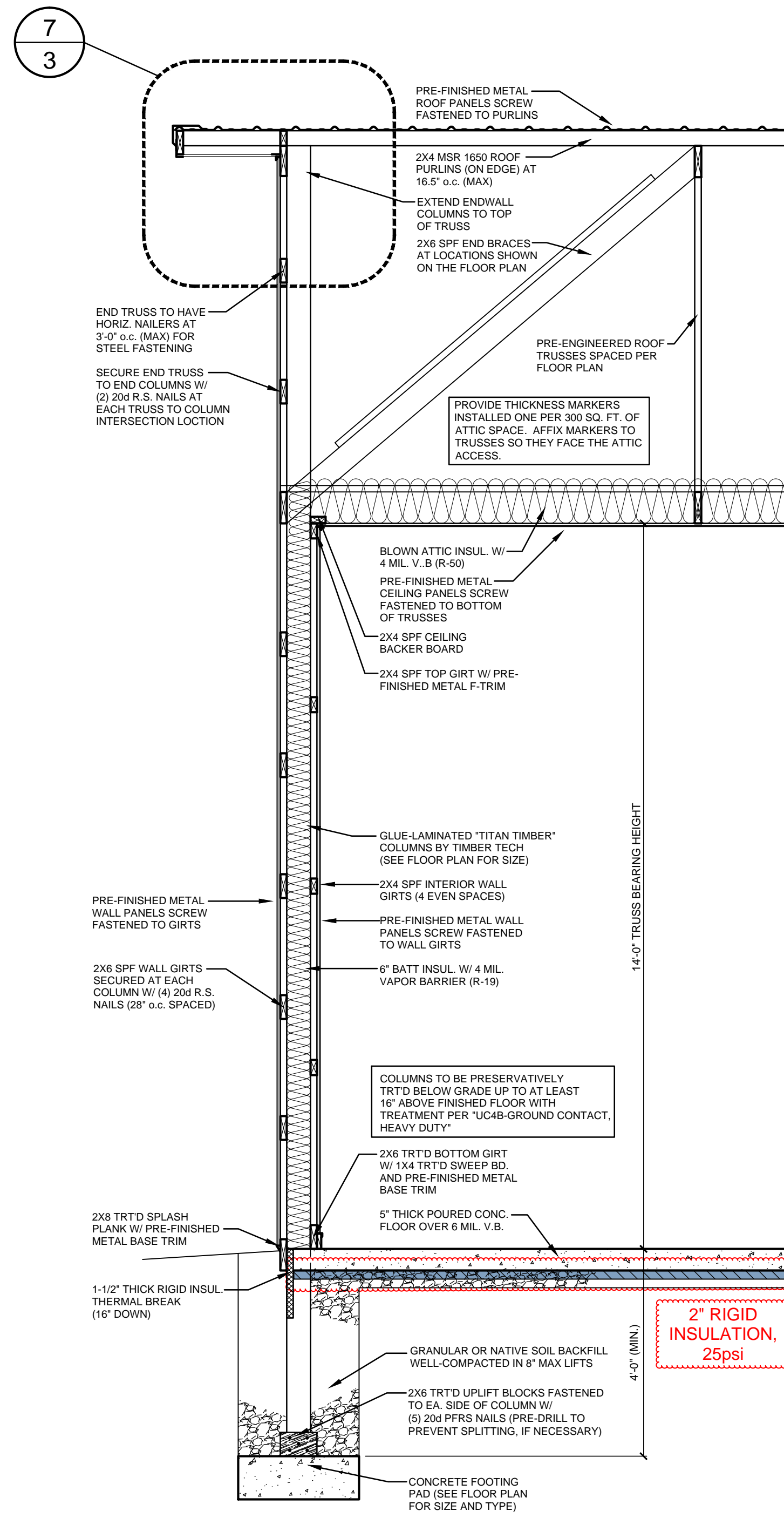
RAKE DETAIL
SCALE: 1" = 1'-0"
7
3



SECTION 1
SCALE: 1/2" = 1'-0"
1
3



SECTION 2
SCALE: 1/2" = 1'-0"
2
3



SECTION 3
SCALE: 1/2" = 1'-0"
3
3

THESE PLANS HAVE BEEN PRODUCED BY HALBERG ENGINEERING LLC. THE USER SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF THE INFORMATION PROVIDED HEREIN. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS OF THE WORK BEFORE BEGINNING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY MATERIALS AND LABOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INSURANCE AND BONDING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY LOCAL AND STATE CODE REQUIREMENTS.

HALBERG ENGINEERING LLC
Specialists in Post Frame Engineering
www.halbergengineering.com
aaron@halbergengineering.com

PROJECT: NEW AMBULANCE SHOP AND LIVING QUARTERS
OWNER: SAWYER COUNTY
AMBULANCE GARAGE

APPROVED PLANS		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION
7/17/17	PRELIMINARY DRAWINGS ISSUED	10/16/17	PRELIMINARY DRAWINGS ISSUED
10/16/17	PRELIMINARY DRAWINGS ISSUED	10/26/17	PRELIMINARY DRAWINGS ISSUED
10/26/17	ISSUED FOR STATE PLAN APPROVAL	11/28/17	REVISED WITHOUT FIREWALL

DATE DRAWN: 11/16/17
PROJECT MANAGER: PH
JOB NUMBER: 17A70

3
SHEET OF 3