

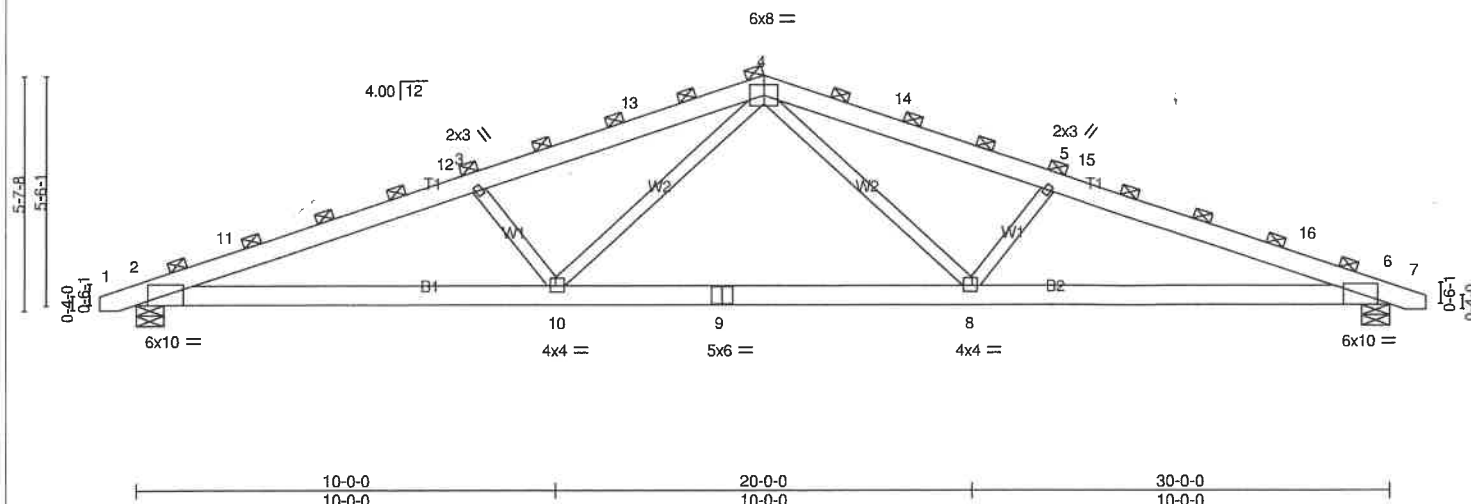
Job 22091670B	Truss PIO30	Truss Type FINK	Qty 1	Ply 1	30' Stock Truss Job Reference (optional)
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UFF Site Built, LLC, UFF 20/20

Run: 8.510 s Oct 22 2021 Print: 8.510 s Oct 22 2021 MiTek Industries, Inc. Tue Sep 20 14:15:35 2022 Page 1
ID:kwZGdaSQ04IVacs2roupg9yvURi-QW5BnpRe4WpIZeQ0vYxQU6EY1J6uwwSkrik?jhBybjus

0-10-8	8-2-3	15-0-0	21-9-13	30-0-0	30-10-8
0-10-8	8-2-3	6-9-13	6-9-13	8-2-3	0-10-8

Scale = 1:53.0



LOADING (psf)	SPACING-	4-0-0	CSL	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 30.0	Plate Grip DOL	1.15	TC 1.00	Vert(LL)	-0.32	8-10	>999	MT20	197/144
TCDL 5.0	Lumber DOL	1.15	BC 0.97	Vert(CT)	-0.45	8-10	>780		
BCLL 0.0	Rep Stress Incr	NO	WB 0.45	Horz(CT)	0.13	6	n/a		
BCDL 5.0	Code IBC2021/TPI2014		Matrix-R					Weight: 171 lb	FT = 20%

LUMBER-	BRACING-
TOP CHORD 2x6 SP No.1	TOP CHORD 2-0-0 oc purlins (2-0-2 max.).
BOT CHORD 2x6 SP No.1	BOT CHORD Rigid ceiling directly applied or 6-0-8 oc bracing.
WEBS 2x4 SPF No.2	

REACTIONS. (lb/size)	2=2579/0-8-0, 6=2579/0-8-0
Max Horz 2=104(LC 14)	
Max Uplift 2=454(LC 9), 6=454(LC 10)	
Max Grav 2=2586(LC 20), 6=2586(LC 21)	

FORCES. (lb)	- Maximum Compression/Maximum Tension
TOP CHORD	1-2=0/26, 2-11=5841/1869, 11-12=5677/1890, 3-12=5458/1892, 3-13=5084/1760, 4-13=4901/1773, 4-14=4901/1773, 5-14=5084/1760, 5-15=5458/1892, 15-16=5677/1890, 6-16=5841/1869, 6-7=0/26
BOT CHORD	2-10=1628/5355, 9-10=1044/3629, 8-9=1044/3629, 6-8=1628/5355
WEBS	3-10=1338/496, 4-10=415/1848, 4-8=415/1848, 5-8=1338/496

- NOTES-**
- Unbalanced roof live loads have been considered for this design.
 - Wind: ASCE 7-16; Vult=115mph (3-second gust) Vasd=91mph; TCDL=3.0psf; BCDL=3.0psf; h=20ft; Cat. II; Exp C; Enclosed; MWFRS (envelope) and C-C Exterior(2E) 0-7-13 to 2-4-3, Interior(1) 2-4-3 to 12-0-0, Exterior(2R) 12-0-0 to 18-0-0, Interior(1) 18-0-0 to 27-7-13, Exterior(2E) 27-7-13 to 30-7-13 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.33 plate grip DOL=1.33
 - TCLL: ASCE 7-16; Pr=30.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pg=40.0 psf; Ps=31.5 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat C; Partially Exp.; Ce=1.0; Cs=0.94; Ct=1.20; Unobstructed slippery surface
 - Roof design snow load has been reduced to account for slope.
 - Unbalanced snow loads have been considered for this design.
 - This truss has been designed for greater of min roof live load of 12.0 psf or 1.00 times flat roof load of 33.6 psf on overhangs non-concurrent with other live loads.
 - Dead loads shown include weight of truss. Top chord dead load of 5.0 psf (or less) is not adequate for a shingle roof. Architect to verify adequacy of top chord dead load.
 - The Fabrication Tolerance at joint 2 = 4%, joint 9 = 4%, joint 4 = 4%, joint 10 = 4%, joint 3 = 4%, joint 8 = 4%, joint 5 = 4%, joint 6 = 4%
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 454 lb uplift at joint 2 and 454 lb uplift at joint 6.
 - See Standard Industry Piggyback Truss Connection Detail for Connection to base truss as applicable, or consult qualified building designer.
 - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard



09/20/2022

General Notes:

Foundations:

- A. Bottom of all exterior footings shall be minimum of 3'-0" below finished grade. Minimum size 8" high x 18" round or as noted.
- B. Assumed design soil bearing pressure = 2,000 PSF U.N.O.
- C. Minimum concrete footing strength to be 3,500 PSI at 28 days.

Metal Cladding:

- A. Steel siding and roofing panels shall be fabricated from 27 # 28 gauge, grade e 180 KSI structural quality steel conforming to ASTM A-446 with a hot dipped galvanized coating conforming to ASTM A-525 or with an aluminum-zinc alloy coating conforming to ASTM A-792 (plain products only).

- B. Paint Finish: All panels when required shall receive a factory applied polyester coating conforming to the manufacturer's specifications.

- C. Flashings: All flashings shall be shop fabricated from material that is the same gauge and finish as the wall/roof panels to which they are attached.

- D. Closures: Shall be pre-molded neoprene to match the configuration of the wall/roof panel and shall be in lengths as supplied by the panel manufacturer.

- E. Fasteners: All screw fasteners shall have a combination steel and neoprene washer. Nails shall have a Fabriseal washer or equivalent. Fastener selection and installation shall be as recommended by the cladding manufacturer.

Wood Trusses:

- A. Trusses are to be designed and fabricated in accordance with the published standards of the National Forest Products Association and the Truss Plate Institute's "Design Specifications for Light, Metal Plate Connected Wood Trusses" (TPI-XX) Latest Edition.

- B. The web configuration plate sizes, chord sizes and lateral bracing shall be designed by a licensed professional engineer. The truss manufacturer shall provide the contractor with shop drawings of each truss design bearing the engineers seal. Shop drawings shall be approved by the contractor before fabrication.

- C. All trusses shall be designed for the loading, spacing and geometry shown on the plan.

- D. The contractor shall install the bracing of the wood trusses in accordance with the manufacturer's design. Minimum lateral bracing of web and bottom chord members shall be as required by truss design.

Lumber:

- A. All lumber shall comply to the requirements of the American Institute of Timber Construction and the National Forest Products Association's "National Design Specification for Wood Construction".

- B. All lumber for posts and beams shall be #2 or better southern yellow pine grade stamped by a SPIB approved mill, surfaced at a maximum moisture content of 19% treated .6 pcf CCA, .23 pcf MCA, or equal.

- C. All lumber for headers shall be SYP #1 or Better, grade stamped by a SPIB approved mill, surfaced at a maximum moisture content of 19%.

- D. All lumber exposed to ground contact or insect infestation shall be treated according to the American Wood preservers' Association Standards, .15 pcf MCA or equal.

Connections:

- A. All wood connection to be made according to the "National Design Specification for Wood Construction". The minimum connection to be two 12 penny nails. Other connection as per plan or as controlled by standard construction practices.

- B. It is acceptable for 2x4 wind girt spacing to vary from 18" to 30", when the span of the girt is 10' or less. Horizontal spacing of fasteners for the metal wall panels shall be in accordance with the panel manufacturer's instructions. The wind girt spacing up to 30" conforms to the rigid diaphragm design for post frame walls.

QUOTE # - 111779-003

Cautionary Notes:

1. Structural components such as posts, beams, trusses or fasteners and attachment brackets should NOT be modified, notched or cut in any manner without proper review and approval of the building design professional.

2. Rainwater and melt water should be directed away from post foundation locations.

3. On enclosed buildings with large doors (that is buildings designed as completely enclosed) the doors should be closed during periods high wind and/or stormy weather to reduce uplift forces on the building.

4. Do NOT lean heavy materials against posts or girts unless the building has been designed for those types of loads. Do NOT store loose material against walls unless building has been designed for side thrust loads and any moisture contained in the loose materials.

5. Do NOT use the roof trusses for storing material unless the building and roof trusses have been designed for those loads.

6. Concentrated loads such as ceiling-mounted furnaces, wet sprinkler systems, ventilation hoods, etc. SHALL NOT be attached to the roof trusses without the prior review and written approval of Pioneer Pole Buildings, Inc. and the building design professional.

7. Do NOT install hardware that would maintain snow cover on the roof of buildings without the prior review and written approval of Pioneer Pole Buildings, Inc. and the building design professional.

8. Do NOT attach additional buildings or lean-to enclosed areas to pole barn buildings unless the building has been designed for the additional loads created by these building additions and needs the written approval of Pioneer Pole Buildings, Inc. and the building design professional.

9. Door openings should NOT be added to the building walls after the building has been constructed without review and approval of the building design professional.

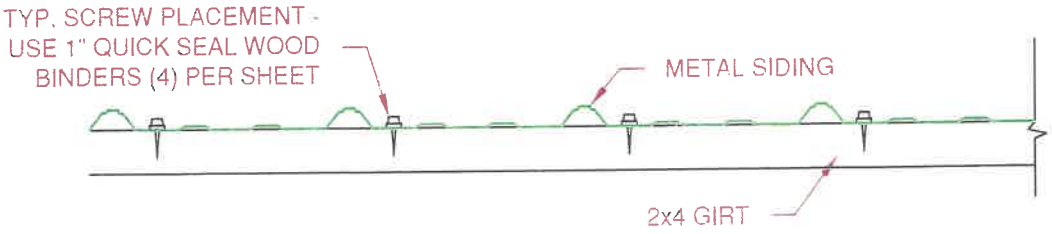
Misc. Notes:

These plans are designed in accordance with the 2021 IBC
Construction Class VB
IBC USE GROUP "U" UTILITY

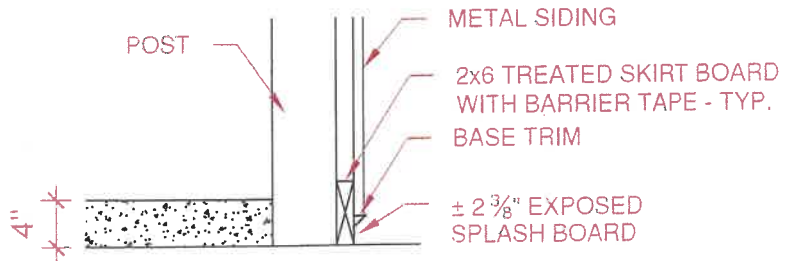
TRUSS CARRIERS TO BE EQUAL TO OR BETTER THAN 2X12 SYP #1
HOLD ALL DOORS +4" FOR CONCRETE FLOOR
12" OVERHANGS ON EAVES AND GABLES
DOUBLE BUBBLE VAPOR BARRIER BENEATH METAL ROOFING
HURRICANE TIES USED = H10A OR EQUAL
UNIVERSAL RIDGE VENT

DESIGN CRITERIA:
Ground Snow Loads:
Ground Snow Load (psf) = 40
Wind Speed:
Wind Speed = 115 mph
Truss Loads:
Top Chord Live (psf) = 30
Top Chord Dead (psf) = 5
Bottom Chord Live (psf) = 0
Bottom Chord Dead (psf) = 5

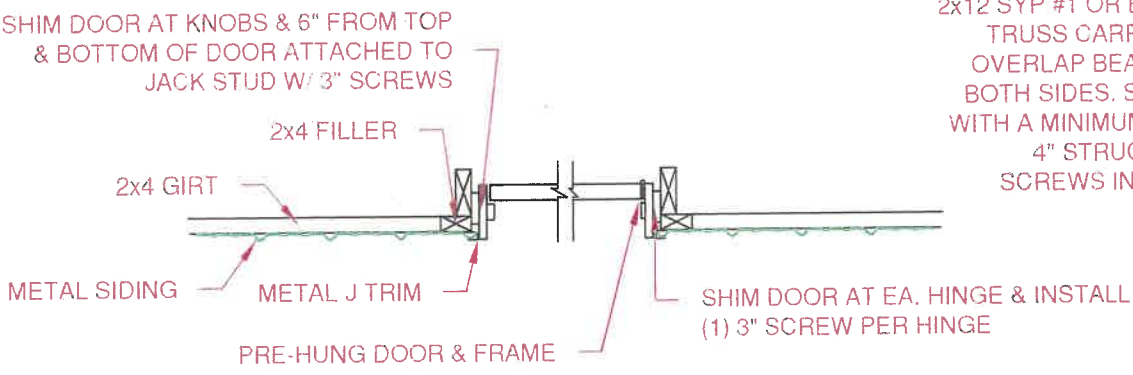
Revisions:		BUILDING SIZE: 30x50x18'-4"		DATE: 05/30/2024			
		DRAWN BY: JOSH DAY	Job Number:	SHEET:			
		CHECKED BY:	SMITH-001	Notes			
		PPB. Inc.		JOB SITE ADDRESS:			CUSTOMER ADDRESS:
		Pioneer Pole Buildings, Inc.					STEVE SMITH
		716 South Rt. 183					48 PRINCETON ST
		Schuylkill Haven, PA 17972					RED BANK, NJ 07701
		1-888-448-2505 Toll Free				PH: (732) 496-7879	
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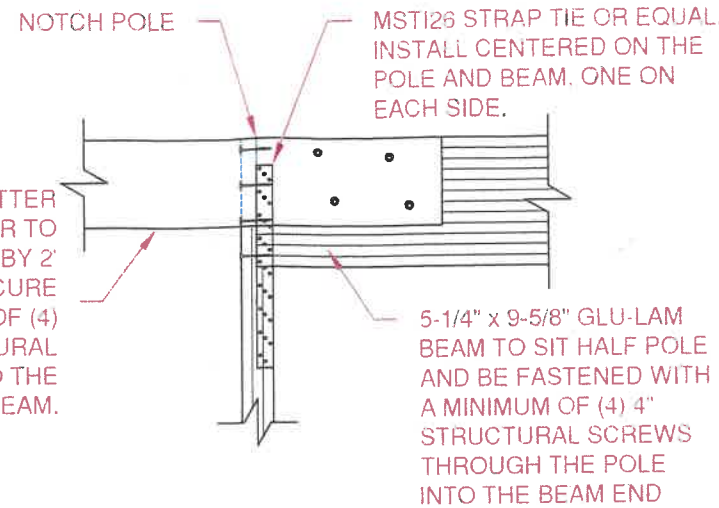
SS 1 SIDING SCREW PATTERN DETAIL



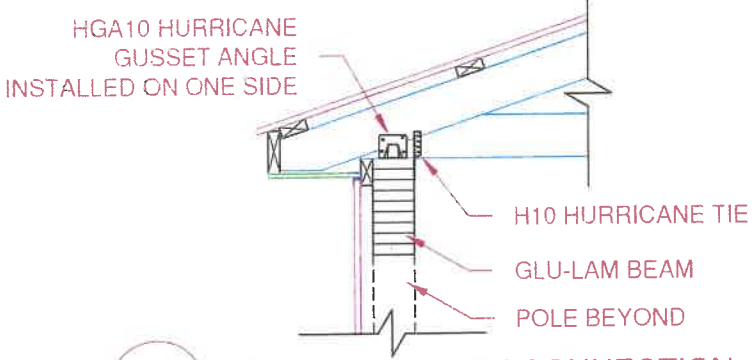
BT 1 BASE TRIM DETAIL



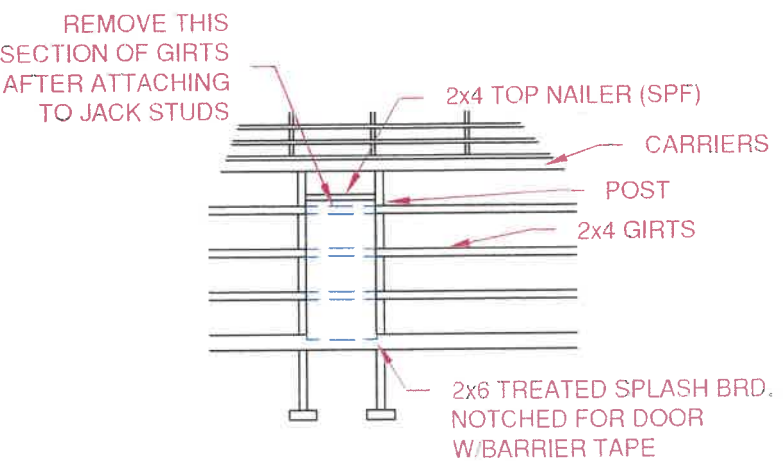
SD 2 SERVICE DOOR JAMB DETAIL



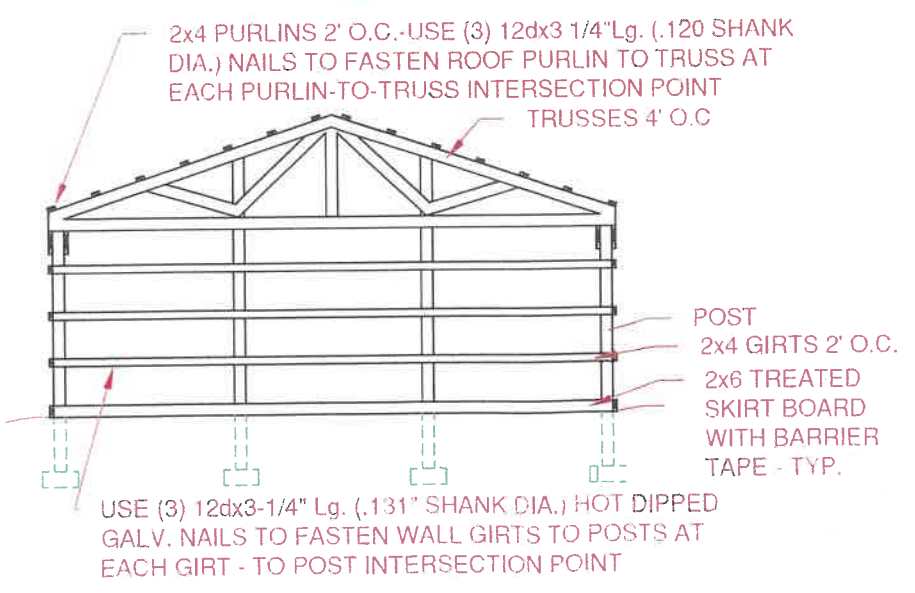
BC 1 BEAM CONNECTION DETAIL



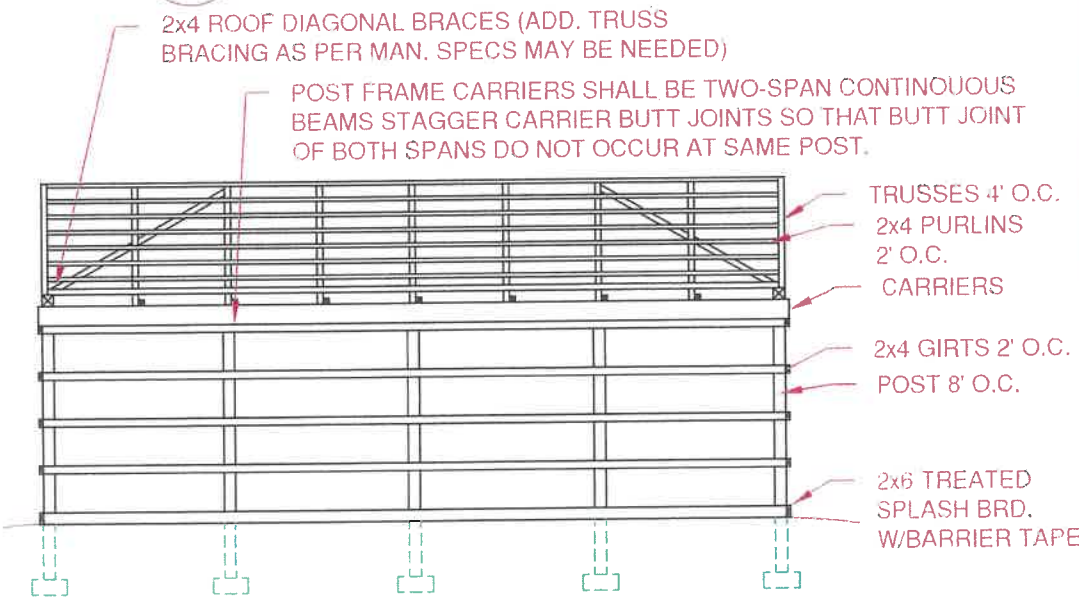
BC 2 TRUSS TO BEAM CONNECTION



SD 1 SERVICE DOOR FRAMING DETAIL



GF 1 GENERAL GABLE VIEW DETAIL



EF 1 GENERAL EAVE VIEW DETAIL

Revisions:

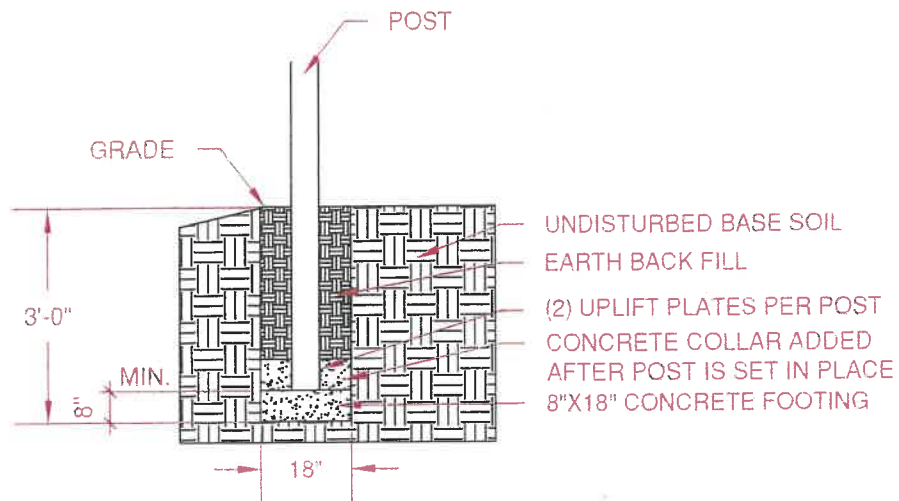
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DRAWN BY: JOSH DAY
CHECKED BY: SMITH-001

DATE: 05/30/2024
SHEET: Detail B

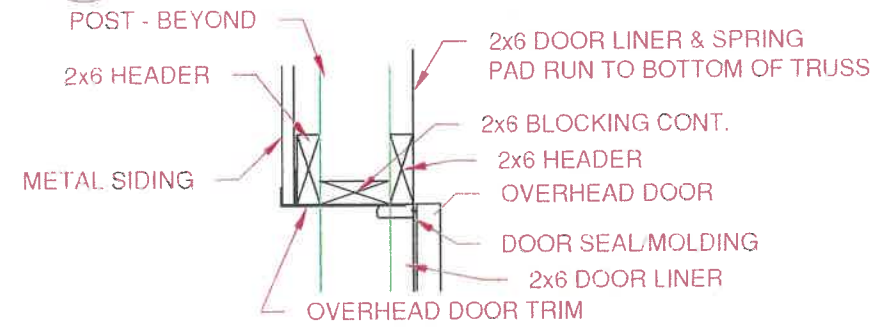
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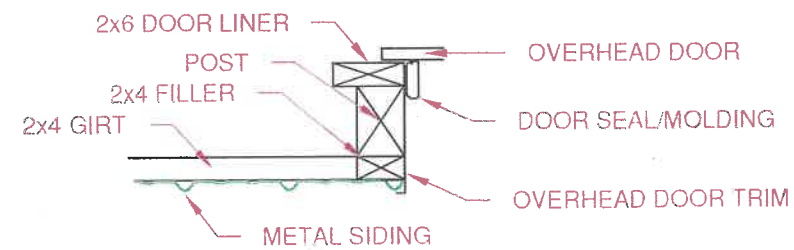
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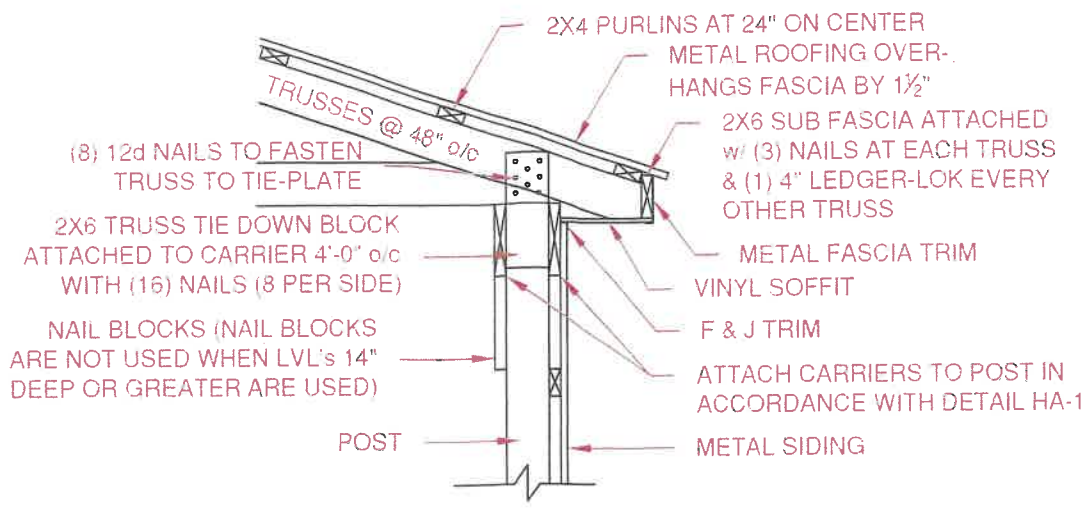
FD 1 FOOTER DETAIL



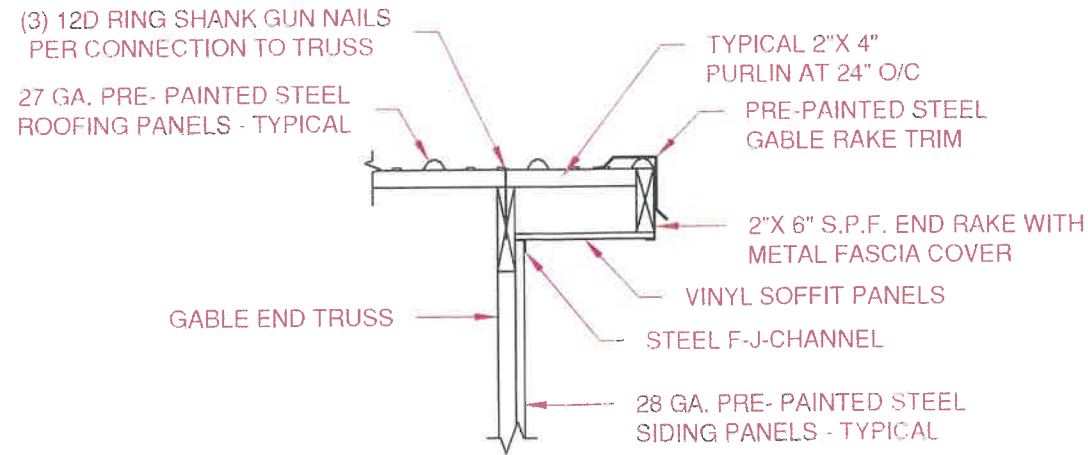
OD 1 O.H. DOOR HEADER DETAIL



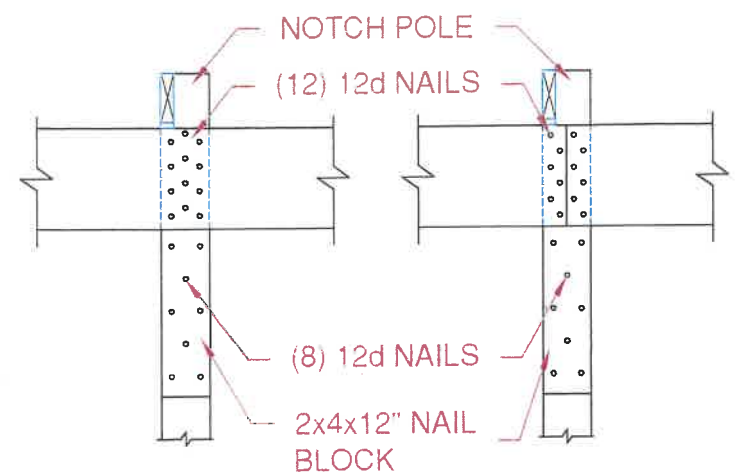
OD 2 O.H. DOOR JAMB DETAIL



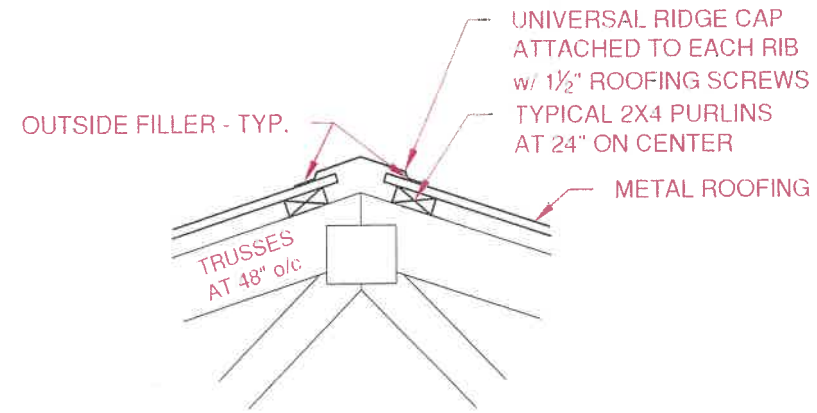
RE 3 ROOF EDGE DET.



GO 1 TYPICAL GABLE OVERHANG DETAIL



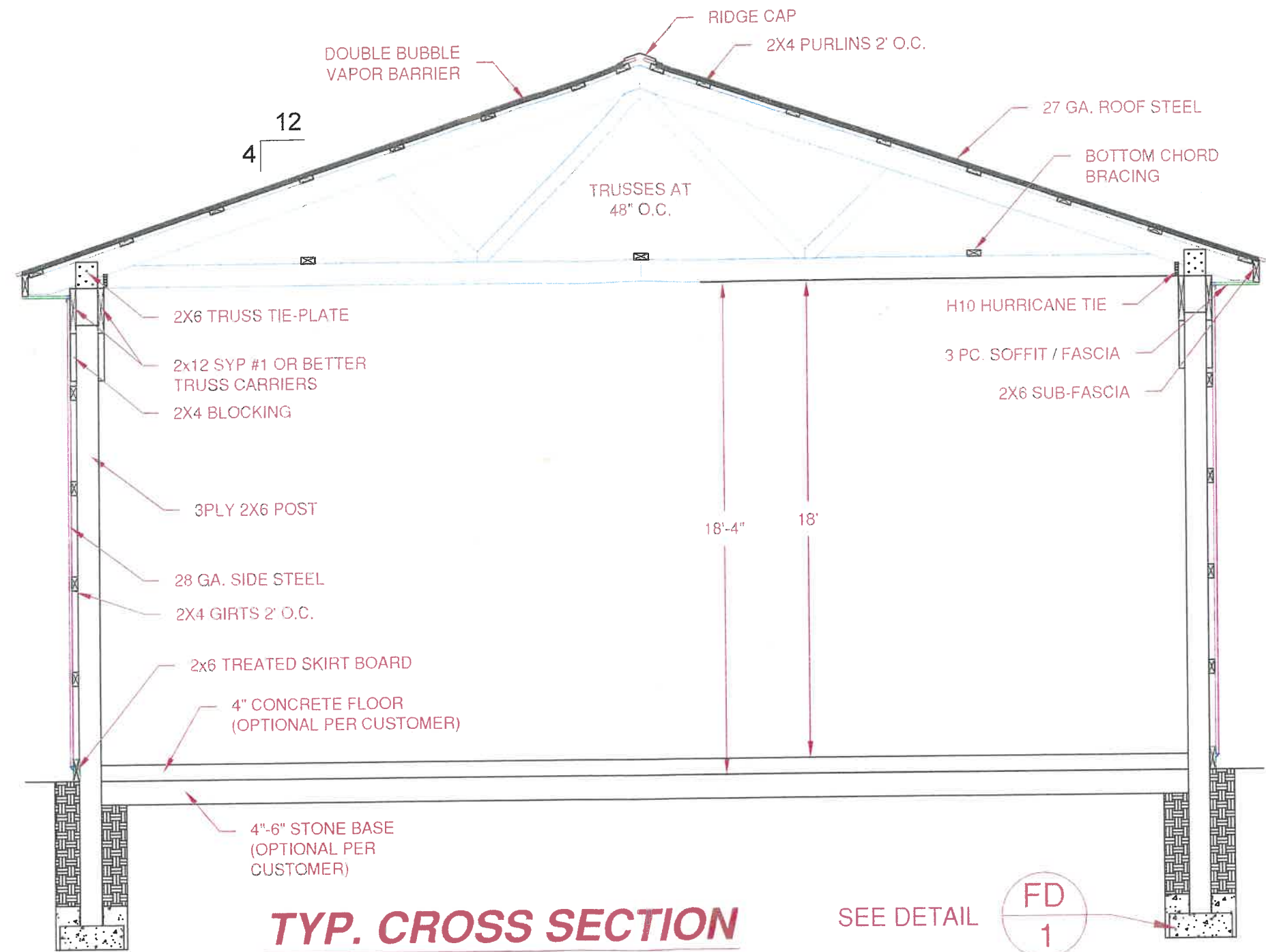
HA 1 2X12 SYP #1 OR BETTER HEADER ATTACHMENT



R 1 ROOF RIDGE DETAIL

Revisions:

BUILDING SIZE: 30x50x18'-4"		DATE: 05/30/2024	
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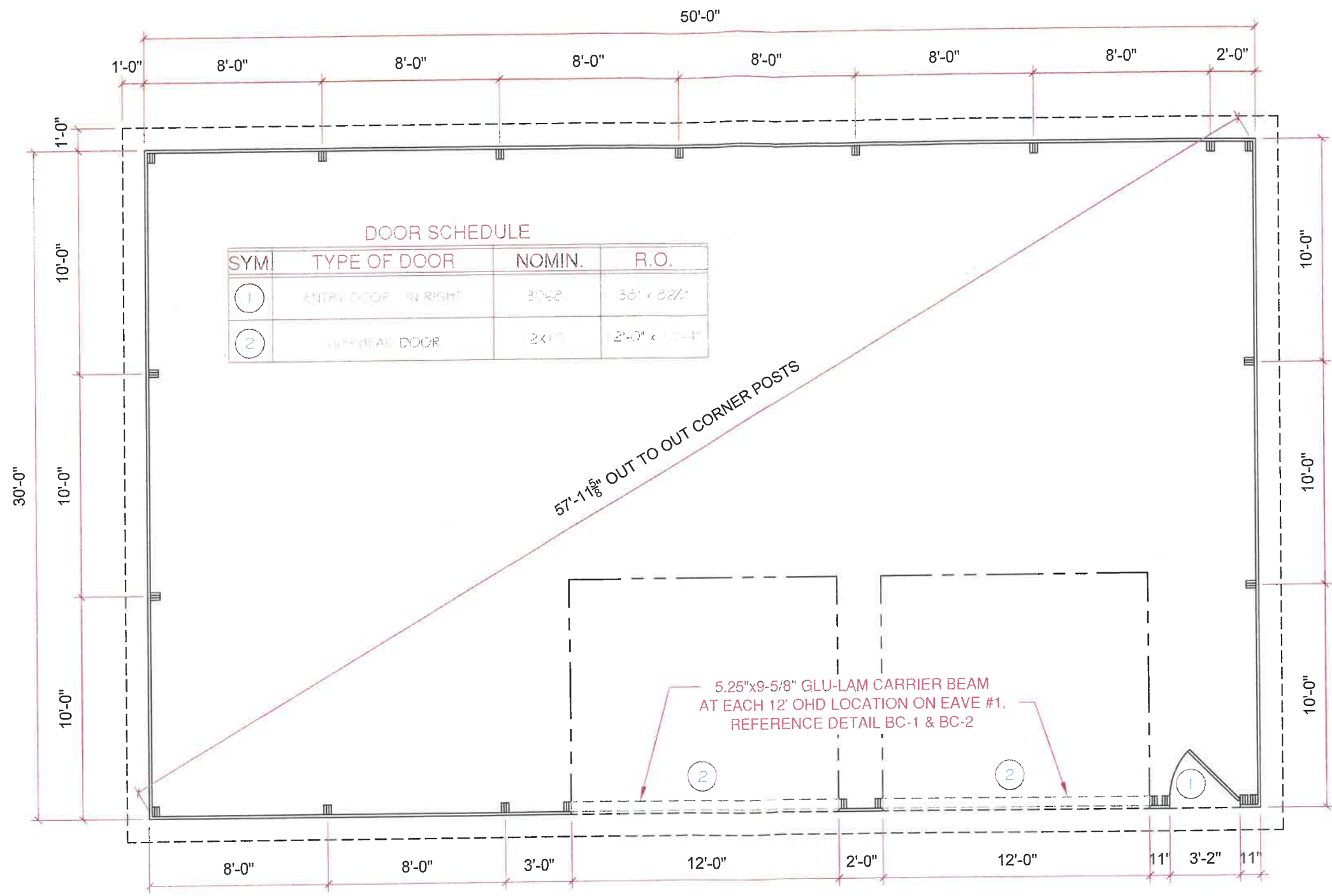


TYP. CROSS SECTION

SEE DETAIL

FD
1

Revisions:	BUILDING SIZE: 30x50x18'-4"		DATE: 05/30/2024	
	DRAWN BY: JOSH DAY	Job Number: SMITH-001	SHEET: TYP	
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	PPB. Inc.		CUSTOMER ADDRESS:	
	Pioneer Pole Buildings, Inc.		STEVE SMITH	
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BUILDING SIZE: 30x50x18'-4"

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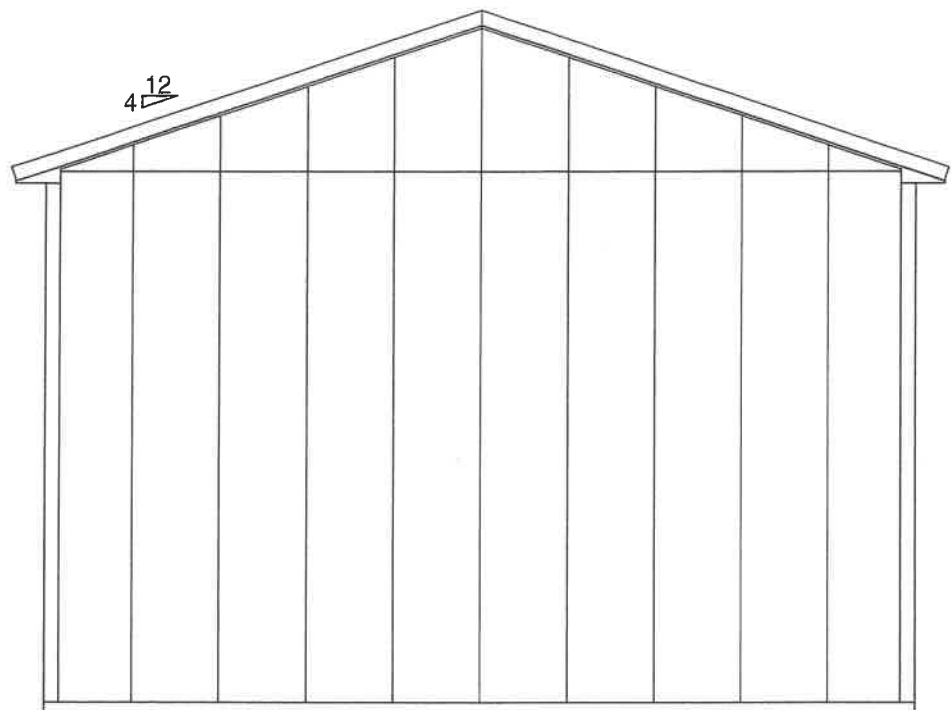
Job Number:
SMITH-001

DATE:
05/30/2024
SHEET:
Pole Plan

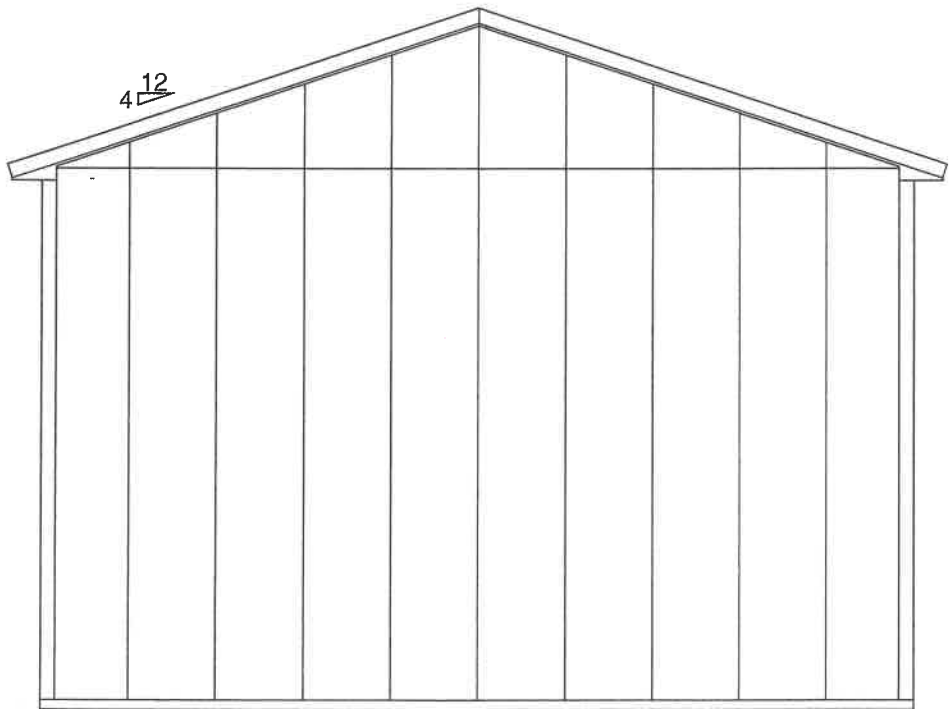
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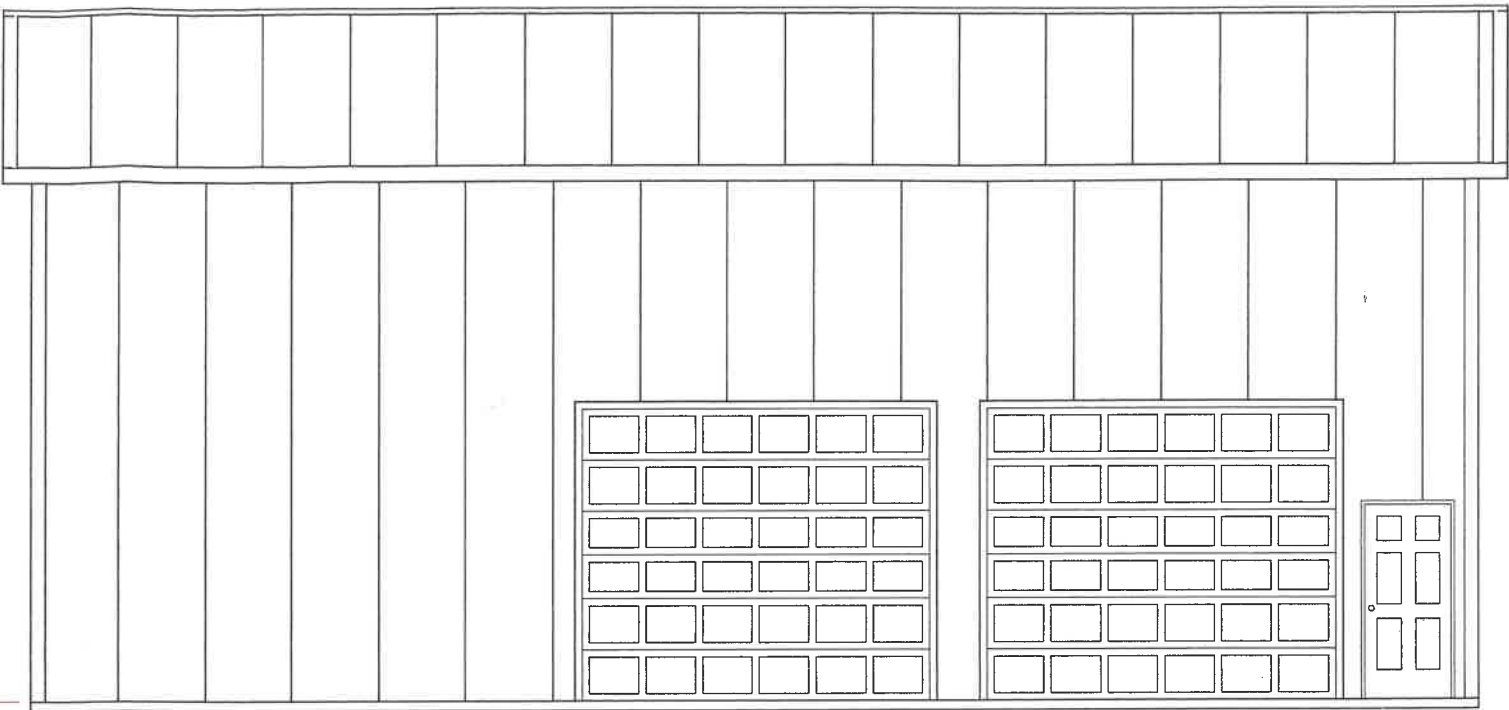


GABLE #1 ELEVATION

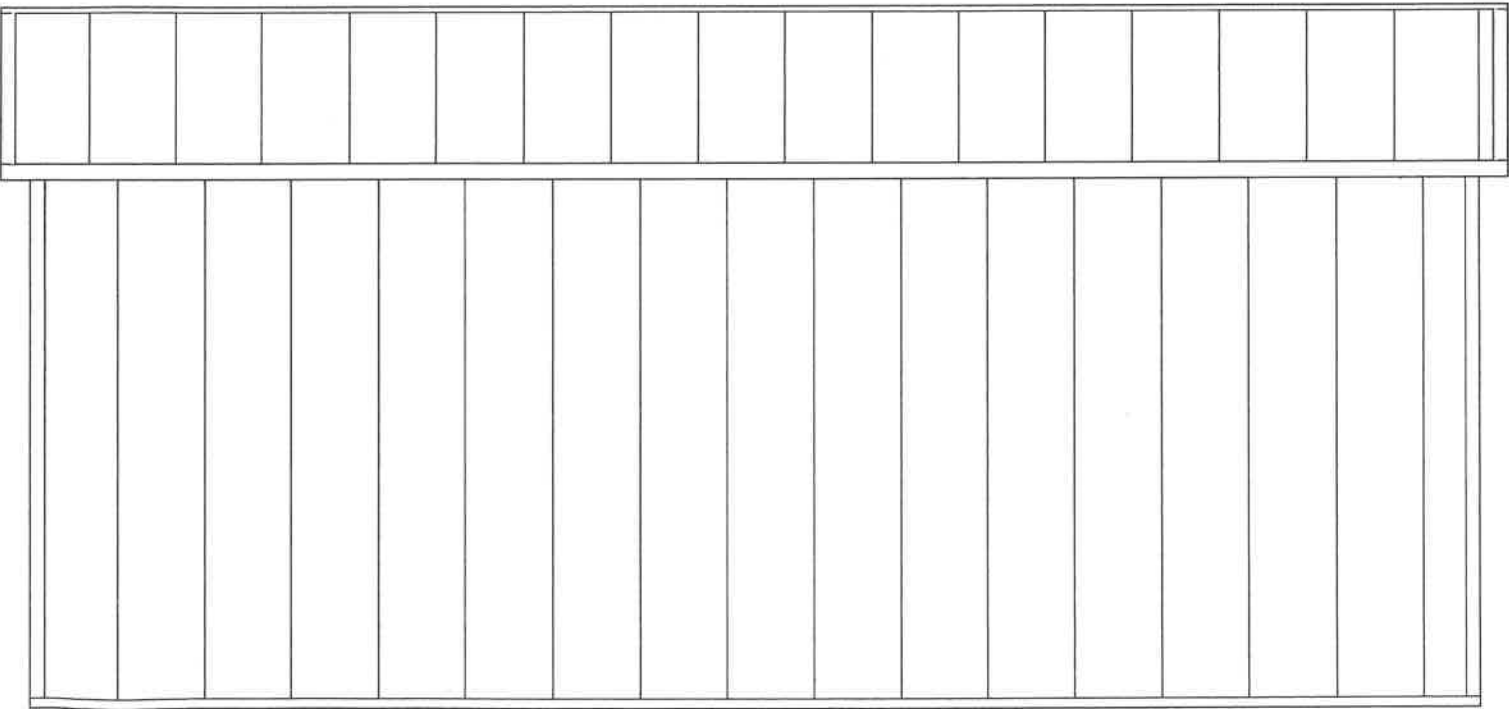


GABLE #2 ELEVATION

+/-23'-8 1/16"



EAVE #1 ELEVATION



EAVE #2 ELEVATION

Revisions:

BUILDING SIZE: 30x50x18'-4"		DATE: 05/30/2024
DRAWN BY: JOSH DAY	Job Number:	Elevations
CHECKED BY:	SMITH-001	
JOB SITE ADDRESS:		CUSTOMER ADDRESS:
PPB. Inc. Pioneer Pole Buildings, Inc. 716 South Rt. 183 Schuylkill Haven, PA 17972 1-888-448-2505 Toll Free		STEVE SMITH 48 PRINCETON ST RED BANK, NJ 07701 PH: (732) 496-7879