

DRAWING NOTES

DESIGN CODE: 2018 IBC.
 USE GROUP: U
 CONSTRUCTION TYPE VB
 DESIGN CATEGORY: RISK CATEGORY I – LOW RISK

SEISMIC CRITERIA:
 DESIGN CATEGORY D
 SOIL SITE CLASS D (ASSUMED)
 R = 2.5 (LIGHT-FRAME WALLS WITH SHEAR PANELS OF ALL OTHER MATERIALS)
 SS= 1.08g, S1= 0.39g; SDS= 0.86g
 ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE
 BASE SHEAR= 22,211 LBS

WIND LOAD:
 ULTIMATE WIND DESIGN SPEED: 97 MPH 3 SEC. GUST
 (RISK CATEGORY I, 2018 IBC FIGURE 1609.3(4))
 TERRAIN EXPOSURE C

FROST DEPTH: 40 IN
 SITE ELEVATION: 5260 FT

SNOW LOAD:
 GROUND SNOW LOAD: 65 PSF
 ROOF DESIGN SNOW LOAD: 41 PSF MAIN; 73 PSF LEAN

DEAD LOADS:
 ROOF 4 PSF
 WALLS 4 PSF

ROOF LIVE LOAD: 20 PSF

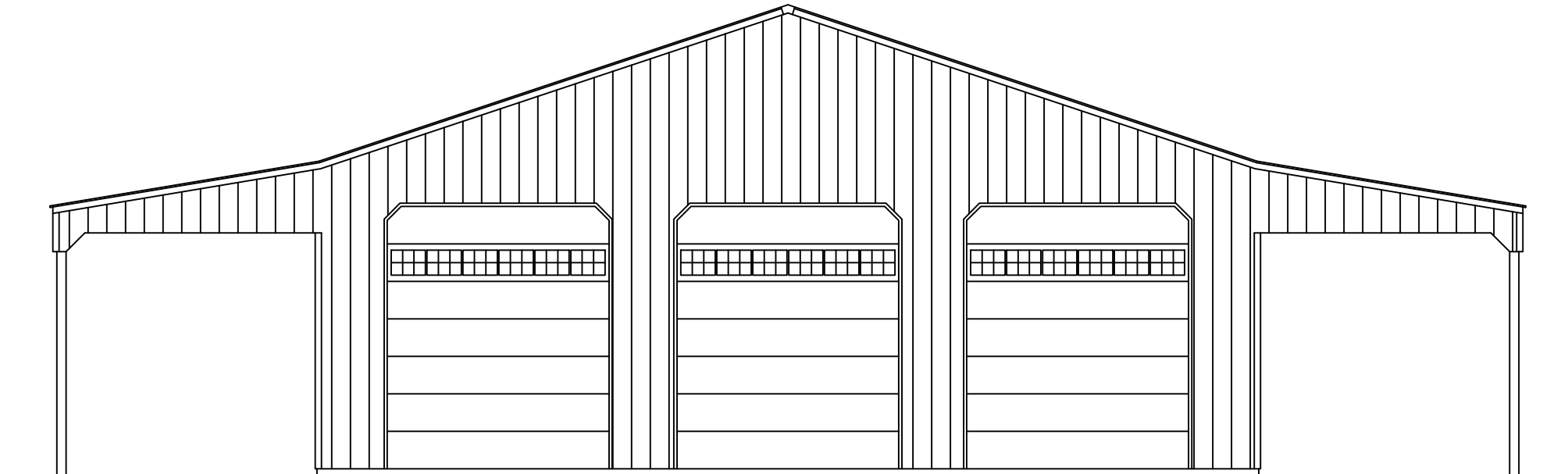
CONCRETE FOUNDATION NOTES:
 1. 28 DAY STRENGTH (F'C) W/ NORMAL 145 PCF DENSITY:
 1.1. FOOTINGS: 3000 PSI
 1.2. SLABS ON GRADE: 3000 PSI REQ'D, 3500 PSI RECOMMEND
 2. ALL SLABS: PROVIDE A MIN. THICKNESS OF 4" W/ 4" DEEP MIN. CRUSHED GRAVEL BASE.
 3. CONTRACTION/CONTROL JOINTS SHALL BE INSTALLED IN SLABS ON GRADE SO THE LENGTH TO WIDTH RATIO OF THE SLAB IS NO MORE THAN 1.5:1. CONTROL JOINT SPACING SHALL NOT EXCEED 30 TIMES THE SLAB THICKNESS IN ANY DIRECTION, UNLESS OTHERWISE NOTED.
 4. CONTROL JOINTS SHALL BE COMPLETED WITHIN 6-18 HOURS OF CONCRETE PLACEMENT.
 5. CONTROL JOINTS SHALL BE TOOLED OR SAWED TO THE GREATER DEPTH OF 1" DEEP OR 1/4 THICKNESS OF CONCRETE SLAB.

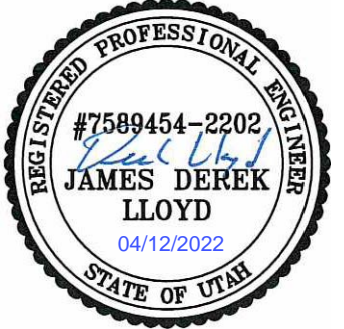

SOILS AND EXCAVATION:
 6. NO SOILS REPORT PROVIDED – STABLE SOIL CHARACTERISTICS ASSUMED. ALL DESIGN WAS BASED ON STABLE SOIL CHARACTERISTICS. GEOTECHNICAL HAZARDS FOUND ON OR AROUND THE SITE, INCLUDING EXPANSIVE CLAYS, OR SOILS FOUND AT THE SITE WHILE EXCAVATION OCCURS WHICH DIFFERS FROM THOSE ASSUMED SHOULD BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND ENGINEER.
 7. ALLOWABLE BEARING PRESSURE: 1500 PSF
 8. NATIVE MATERIAL SURROUNDING FOOTING TO BE DISTURBED MINIMALLY DURING EXCAVATION.
 9. FOOTINGS SHALL BE PLACED ENTIRELY IN UNDISTURBED NATIVE SOILS OR STRUCTURAL FILL WHICH IS BEARING ON UNDISTURBED NATIVE SOILS AND IS COMPACTED TO 95% OF THE MODIFIED PROCTOR DENSITY.

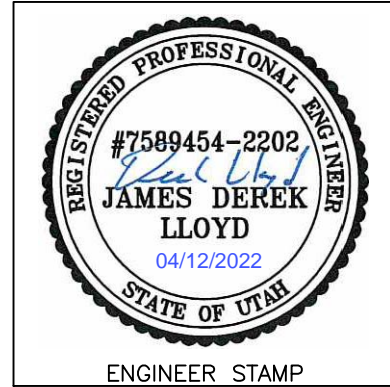
GENERAL:
 10. PLEASE REFER TO THE STRUCTURAL CALCULATIONS FOR ALL SPECIFICATIONS AND DESIGN CRITERIA NOT LISTED HERE. WHERE DETAILS ARE NOT SPECIFIED, TYPICAL DETAILS AS SPECIFIED ON PLANS AND ON THE STRUCTURAL DETAILS SHEET SHALL APPLY.
 11. FOR SPECIFICATIONS NOT SHOWN REFER TO THE IBC.

NORTH STAR BUILDINGS

JEREMY AND TINA YOUNG BUILDING



BUILDING INFORMATION	CONTRACTOR	DRAFTING & ENGINEERING	DRAWING INDEX		 ENGINEER STAMP
SITE INFORMATION: ADDRESS: 5460 N 3100 E LIBERTY, UTAH 84310 BUILDING INFORMATION: DIMENSIONS: 50' x 50' TOTAL SQUARE FOOTAGE: 3900 S.F. MAIN BUILDING: 2500 S.F. LEANS: 1400 S.F.	NORTH STAR BUILDINGS CONTACT: ALAN WALKER ALAN@NORTHSTARBUILDINGS.COM PHONE: 385-254-1086	MOUNTAIN POINT ENGINEERING CONTACT: DEREK LLOYD DEREK@MOUNTAINPOINTENGINEERING.COM PHONE: 801-450-5332 	SHEET	DESCRIPTION	
			00	COVER SHEET	04/12/2022
			01	FOUNDATION PLAN	
			02	FLOOR PLAN	
			03	ROOF PLAN	
			04	ELEVATIONS	
			05	GIRT PLAN	
			06	PANEL LAYOUT	
			07-09	DETAIL SHEETS	



FOUNDATION PLAN

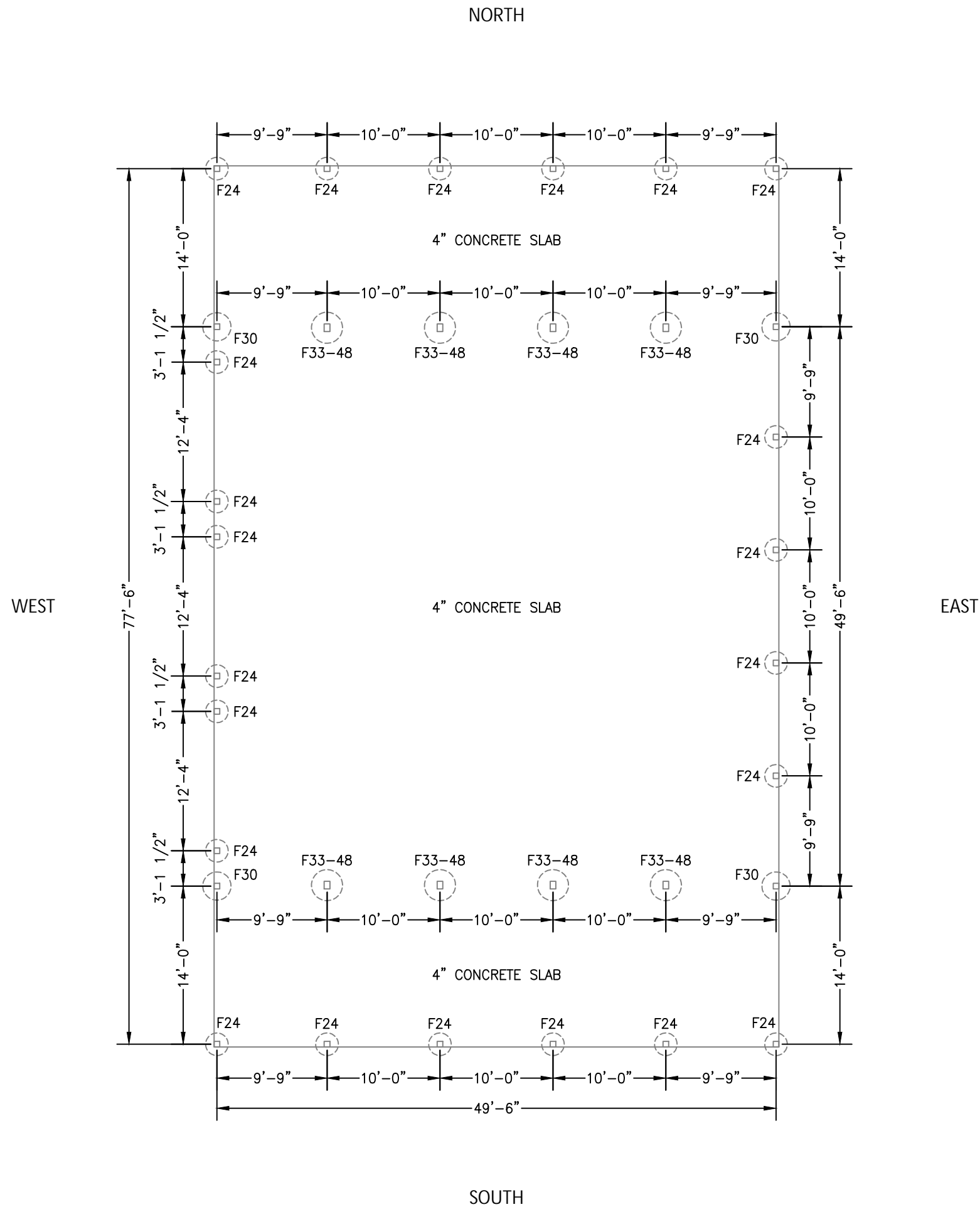
JEREMY & TINA YOUNG
BUILDING
LIBERTY, UTAH

PROJECT
NS76

SCALE
3/32" = 1'-0"

DATE
04/12/2022

SHEET
01



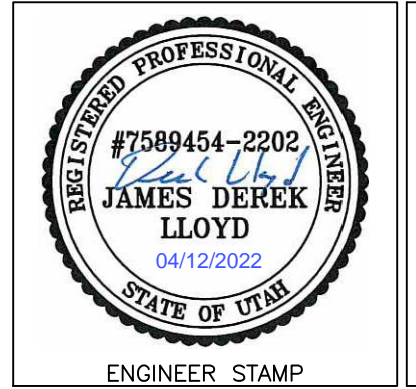
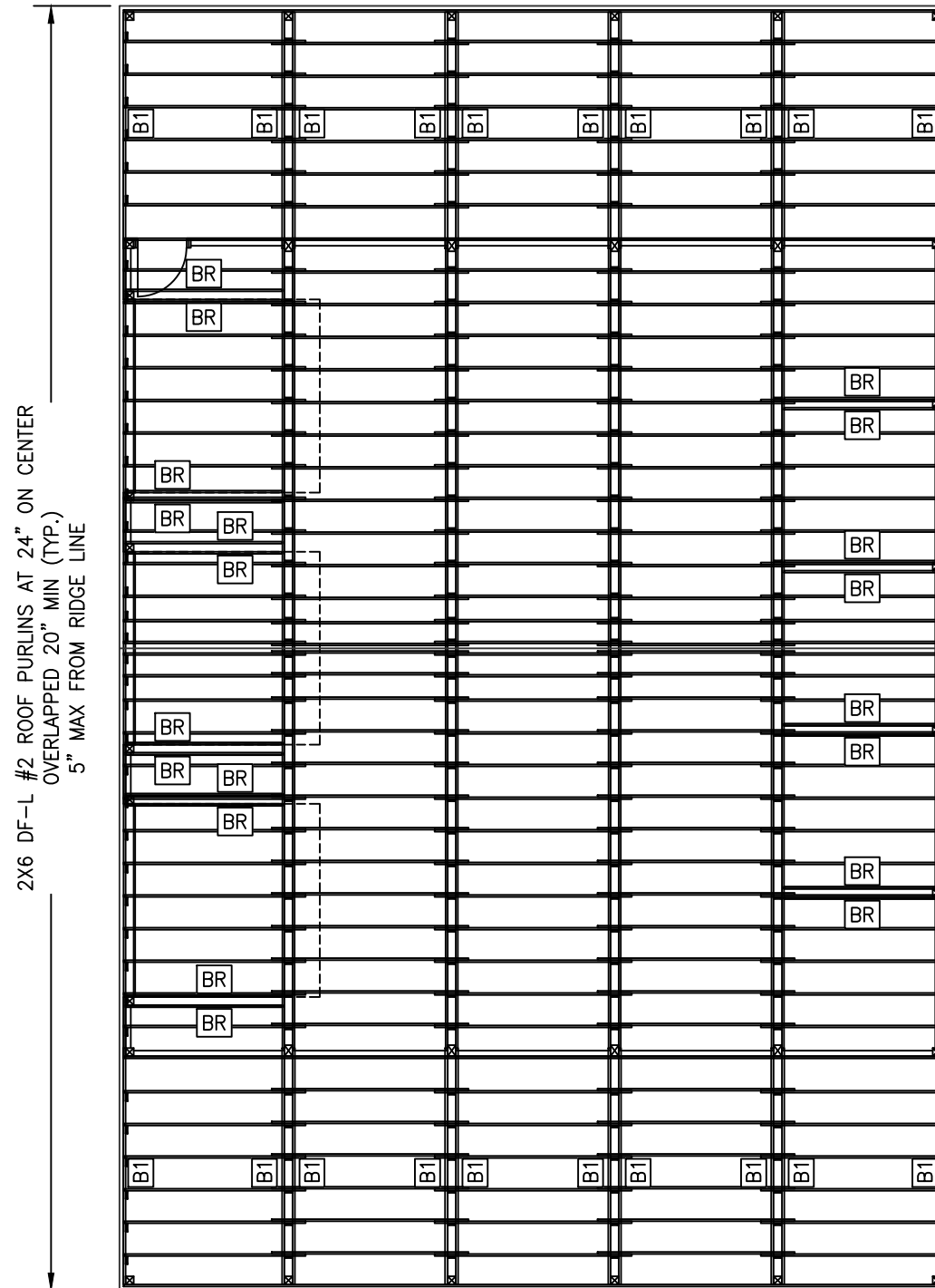
- PIERS:
1. F24: 24" DIA x 40" DEEP CONCRETE PIER
 2. F30: 30" DIA x 40" DEEP CONCRETE PIER
 3. F33-48: 33" DIA x 48" DEEP CONCRETE PIER

NORTH

WEST

EAST

SOUTH



ROOF PLAN

JEREMY & TINA YOUNG
BUILDING
LIBERTY, UTAH

BEAMS:
 1. B1: 1-3/4"x11-7/8" LVL

BR 2X6 DIAGONAL BRACE

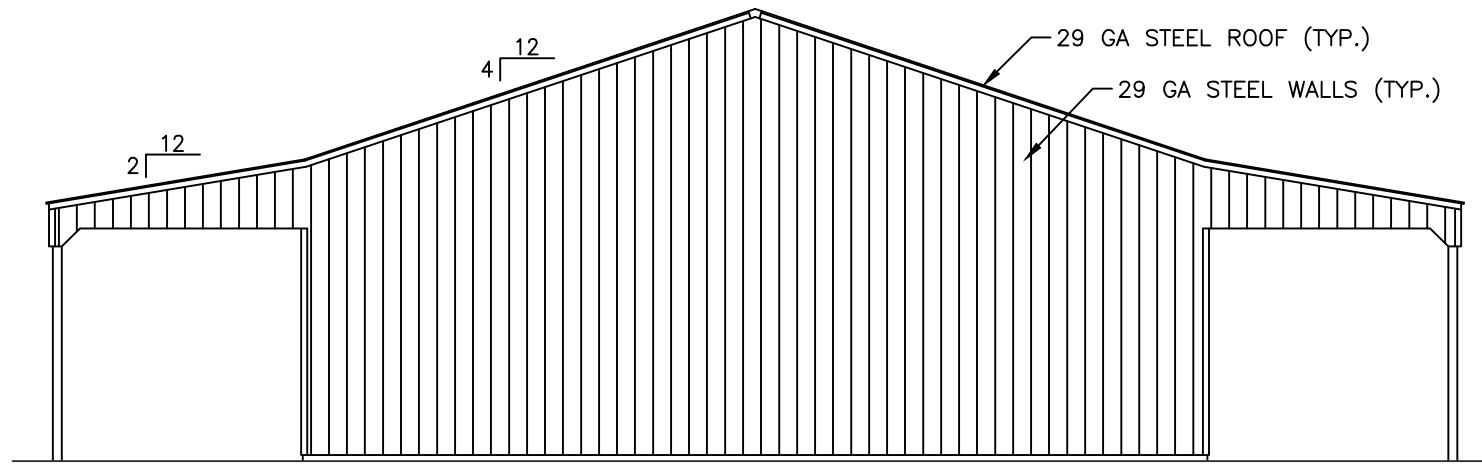
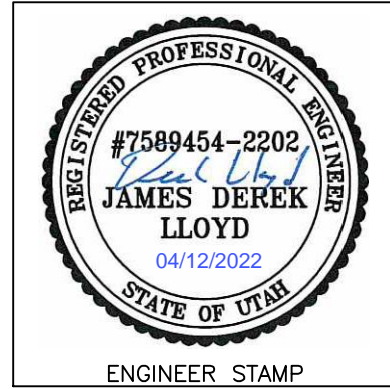
- NOTES:
- TRUSSES WILL BE DEFERRED PER IBC 107.3.4.1 AND WILL BE DESIGNED BY A LICENSED ENGINEER IN THE STATE OF UTAH.
 - PROVIDE TRUSS BOTTOM CHORD BRACING PER TRUSS MANUFACTURER'S SPECIFICATIONS.

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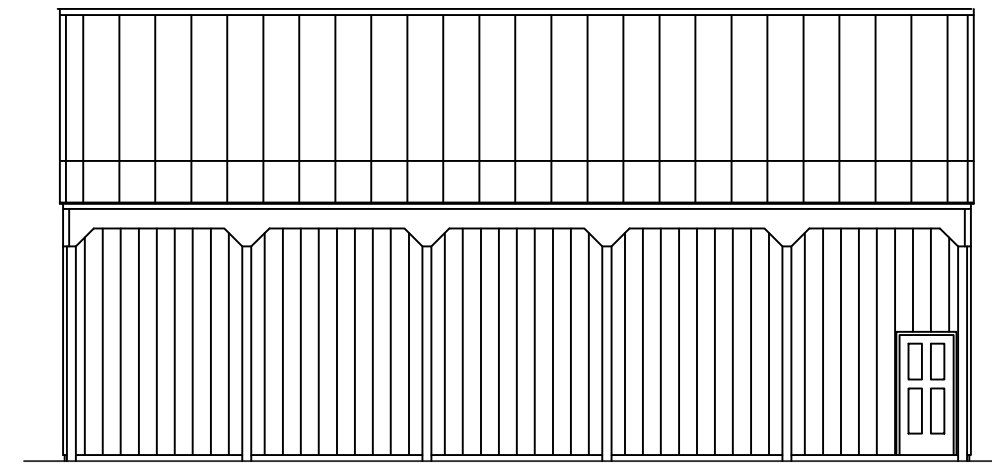
SCALE
3/32" = 1'-0"

DATE
04/12/2022

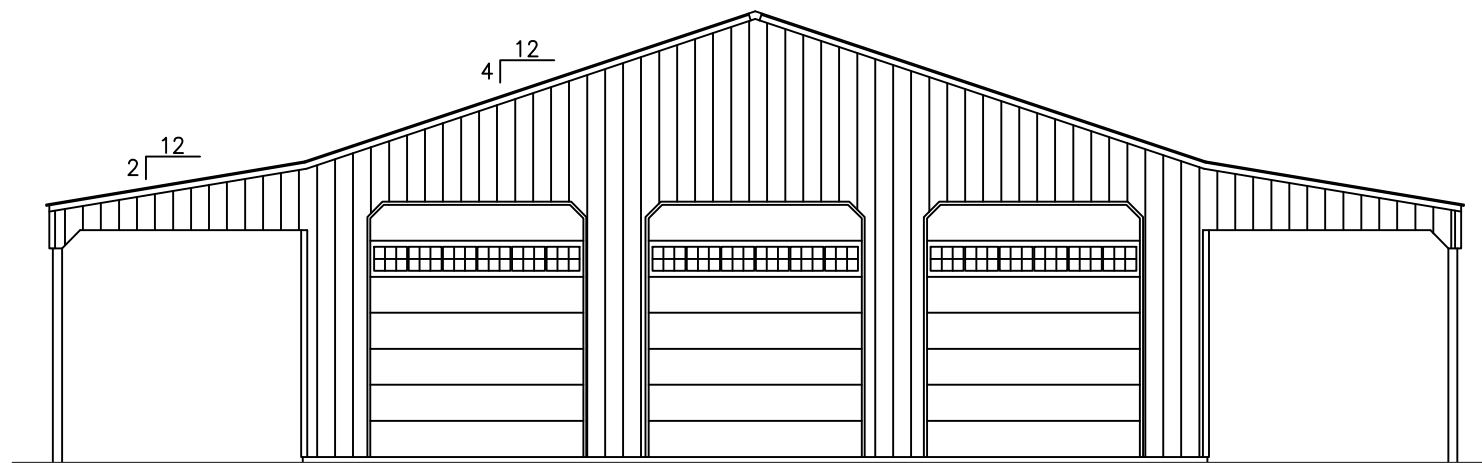
SHEET
03



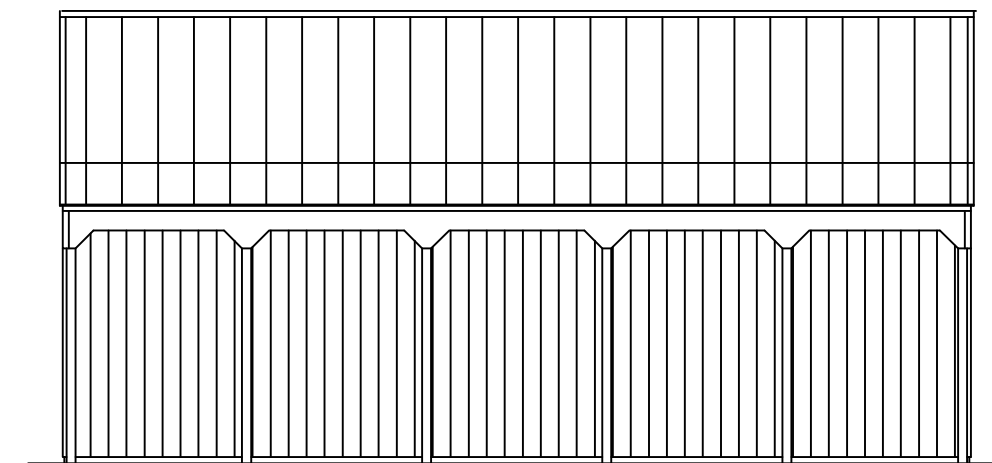
GABLE END ELEVATION - EAST



SIDE ELEVATION - NORTH



GABLE END ELEVATION - WEST



SIDE ELEVATION - SOUTH

ELEVATIONS

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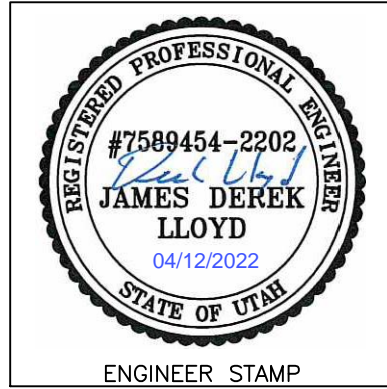
SCALE
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DATE
04/12/2022

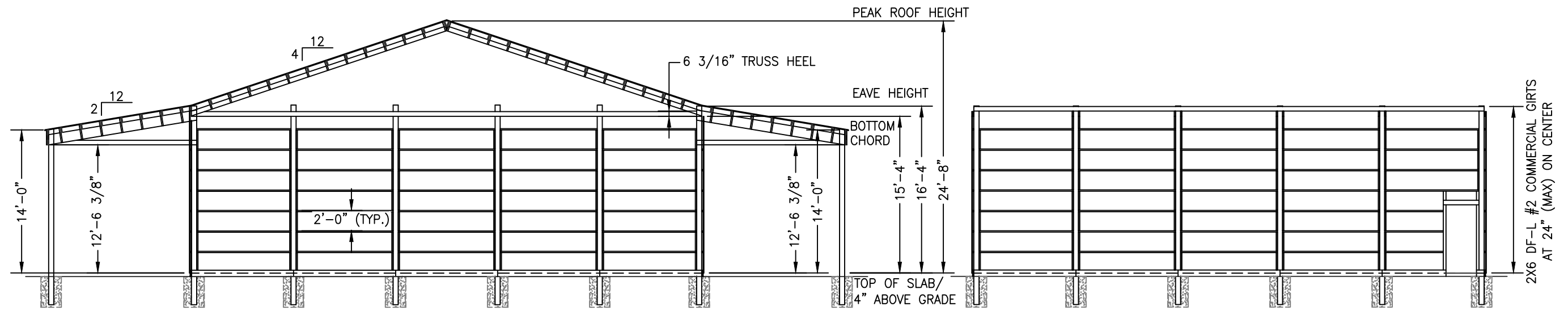
SHEET
04

NOTES:

1. TRUSS HEEL SHOWN AT 6-3/16" ON THESE PLANS. COMPARE PLAN DIMENSIONS WITH TRUSS MANUFACTURER DRAWINGS AND ADJUST PLAN DIMENSIONS (EAVE HEIGHT, PEAK HEIGHT, PANEL LENGTHS, ETC) AS NECESSARY.

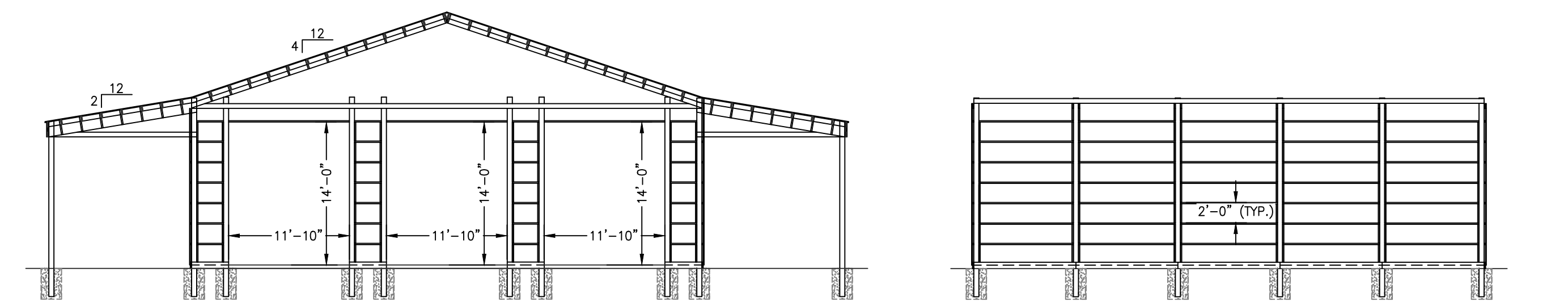


MOUNTAIN POINT
ENGINEERING



GABLE END GIRT WALL - EAST

SIDE GIRT WALL - NORTH



GABLE END GIRT WALL - WEST

SIDE GIRT WALL - SOUTH

GIRT PLAN

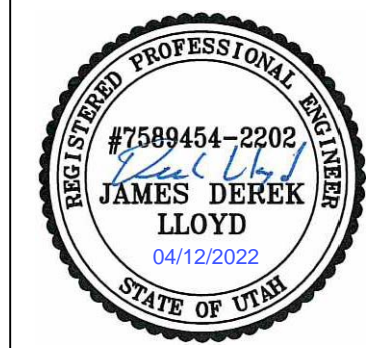
JEREMY & TINA YOUNG
BUILDING
LIBERTY, UTAH

PROJECT
NS76

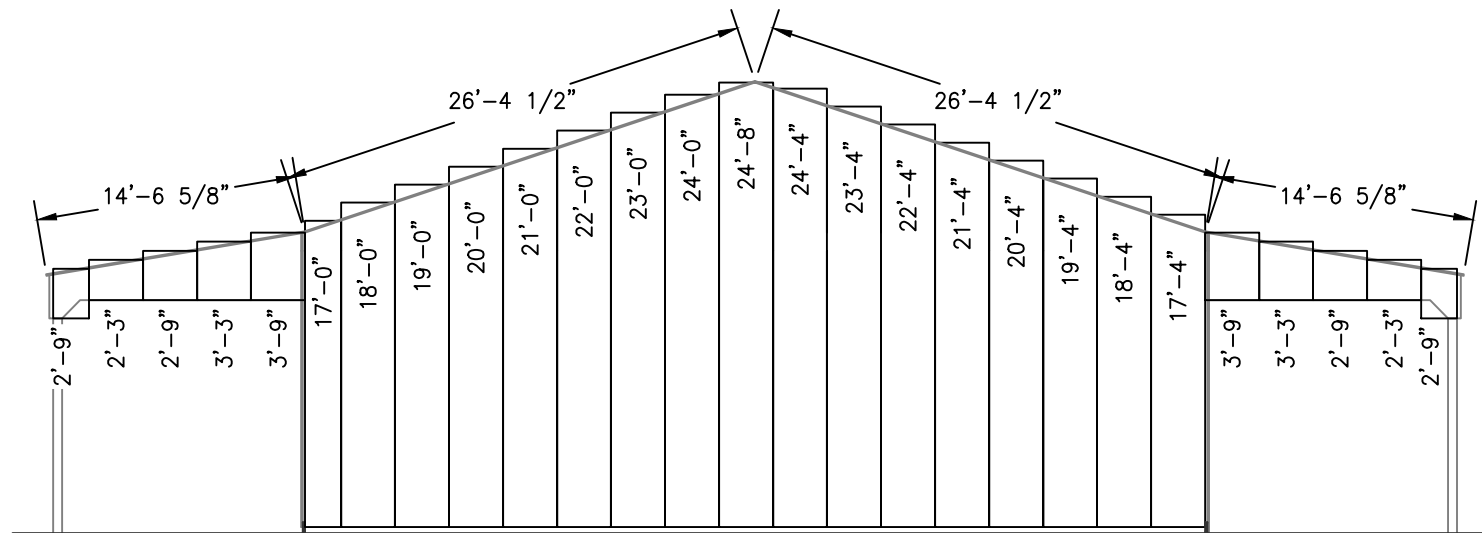
SCALE
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DATE
04/12/2022

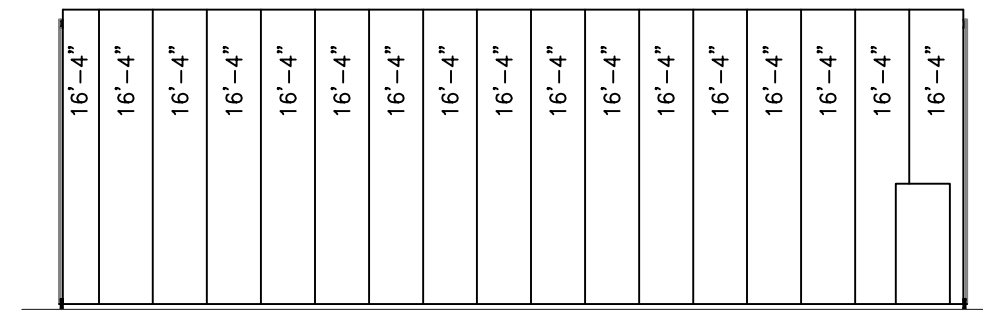
SHEET
05



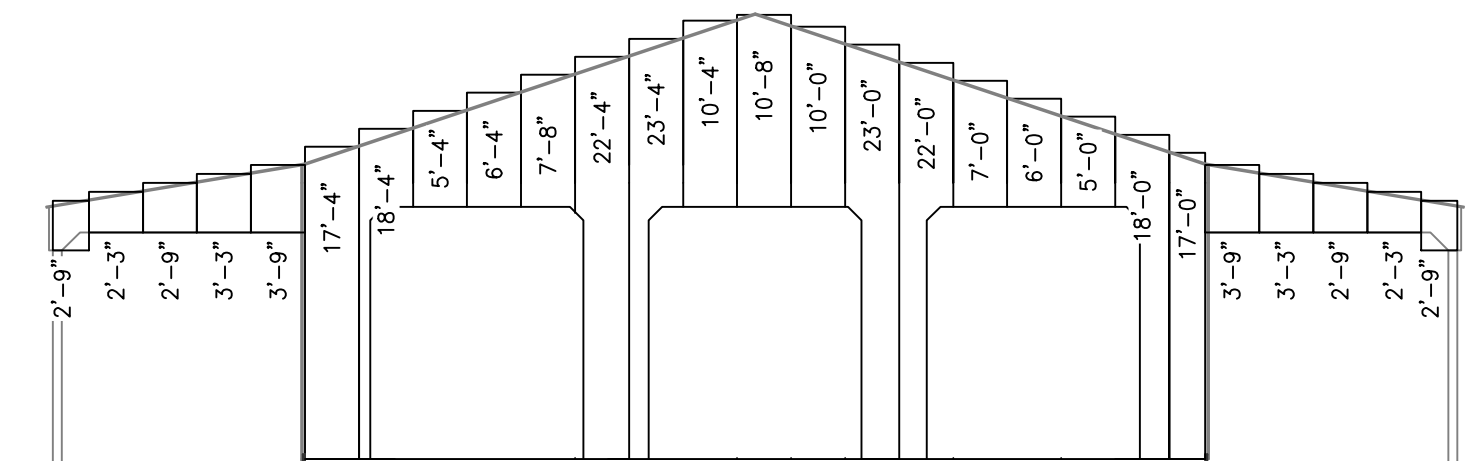
ENGINEER STAMP



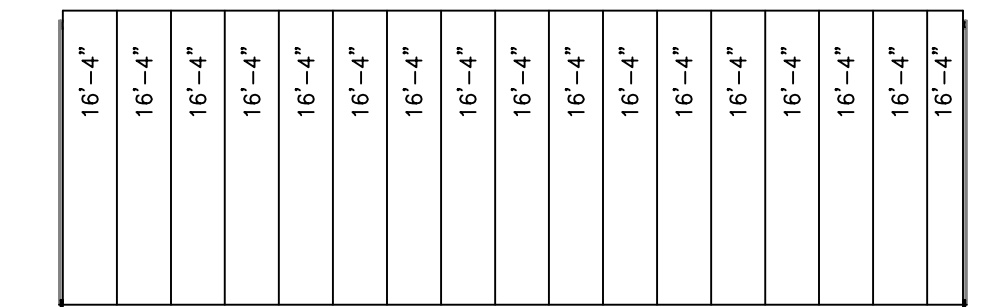
END PANEL LAYOUT - EAST



SIDE PANEL LAYOUT - NORTH



END PANEL LAYOUT - WEST



SIDE PANEL LAYOUT - SOUTH

PANEL LAYOUT

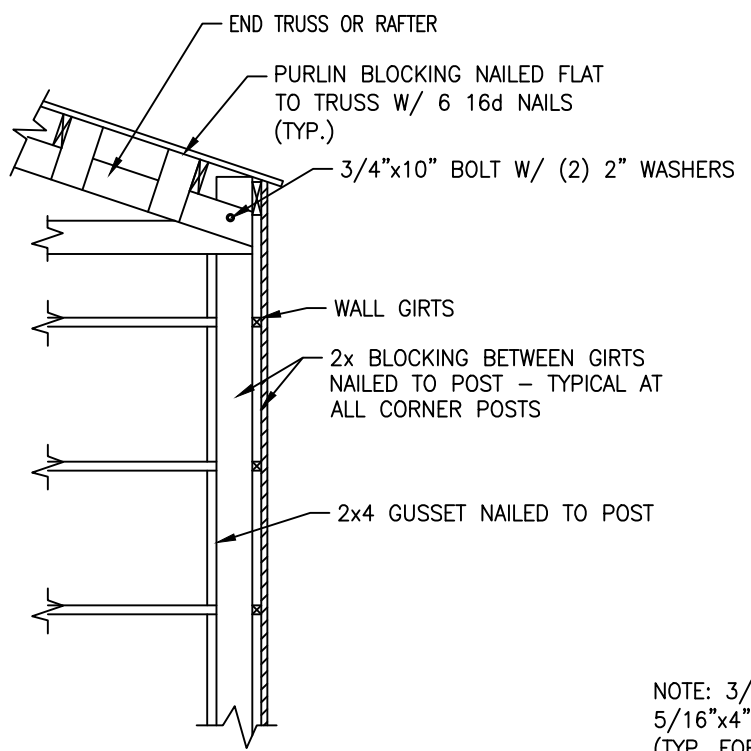
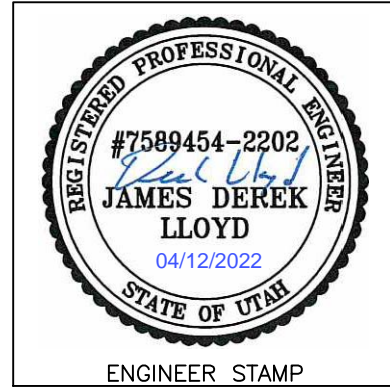
JEREMY & TINA YOUNG
BUILDING
LIBERTY, UTAH

PROJECT
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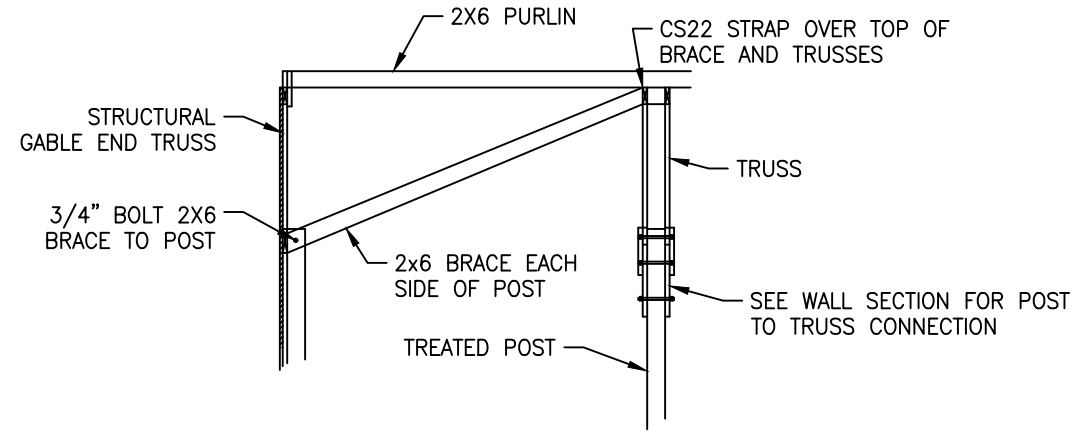
SCALE
3/32" = 1'-0"

DATE
04/12/2022

SHEET
06

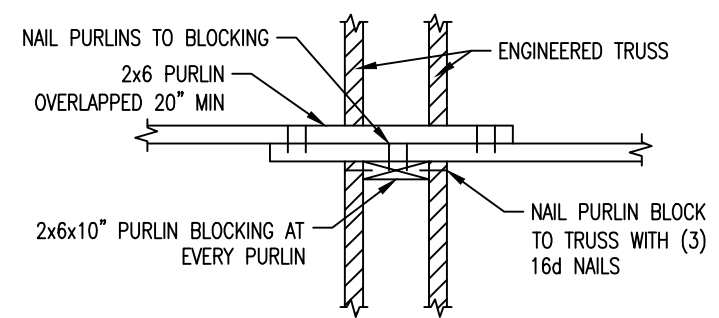


CORNER BLOCKING
NOT TO SCALE

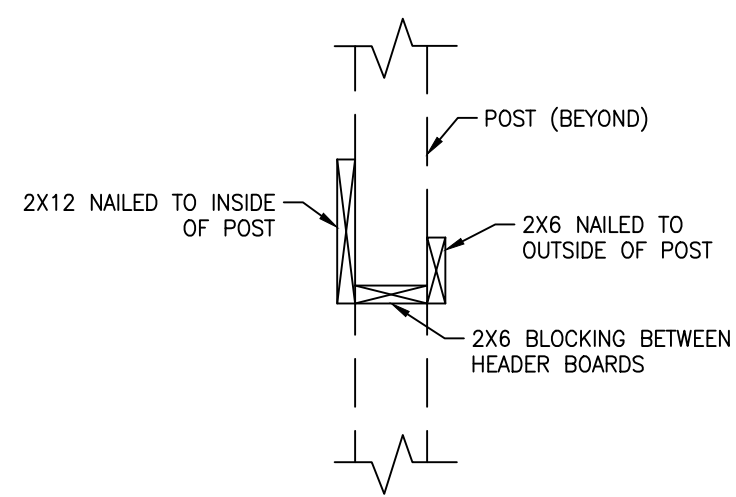


POST TO TRUSS BRACE
NOT TO SCALE

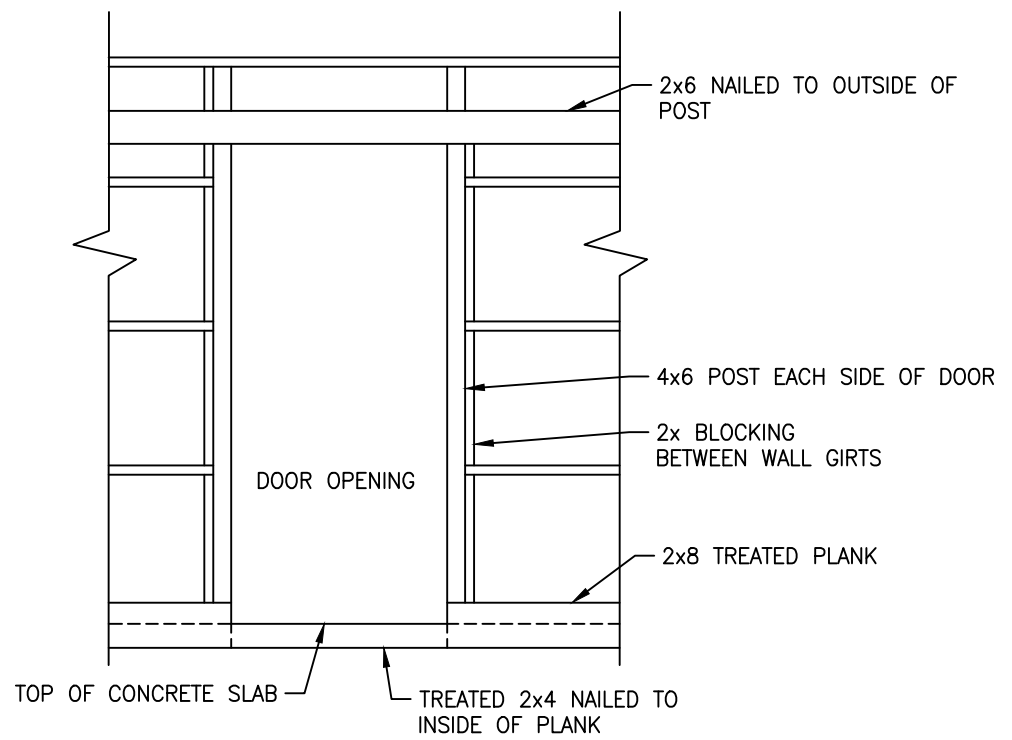
NOTE: 3/4" BOLT ALTERNATIVE: (2)
5/16"x4" POWERLAG FASTENERS
(TYP. FOR CORNER BLOCKING AND
POST TO TRUSS BRACE DETAILS)



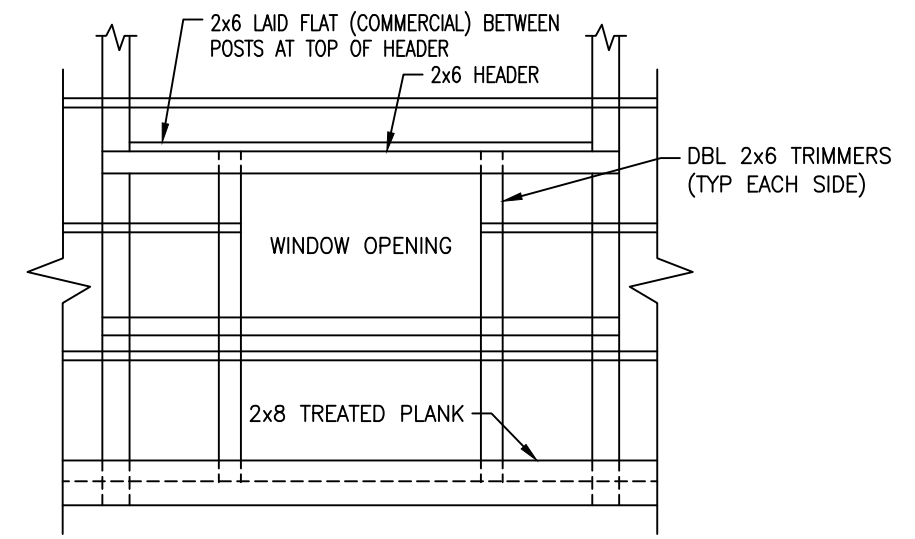
PURLIN CONNECTION
NOT TO SCALE



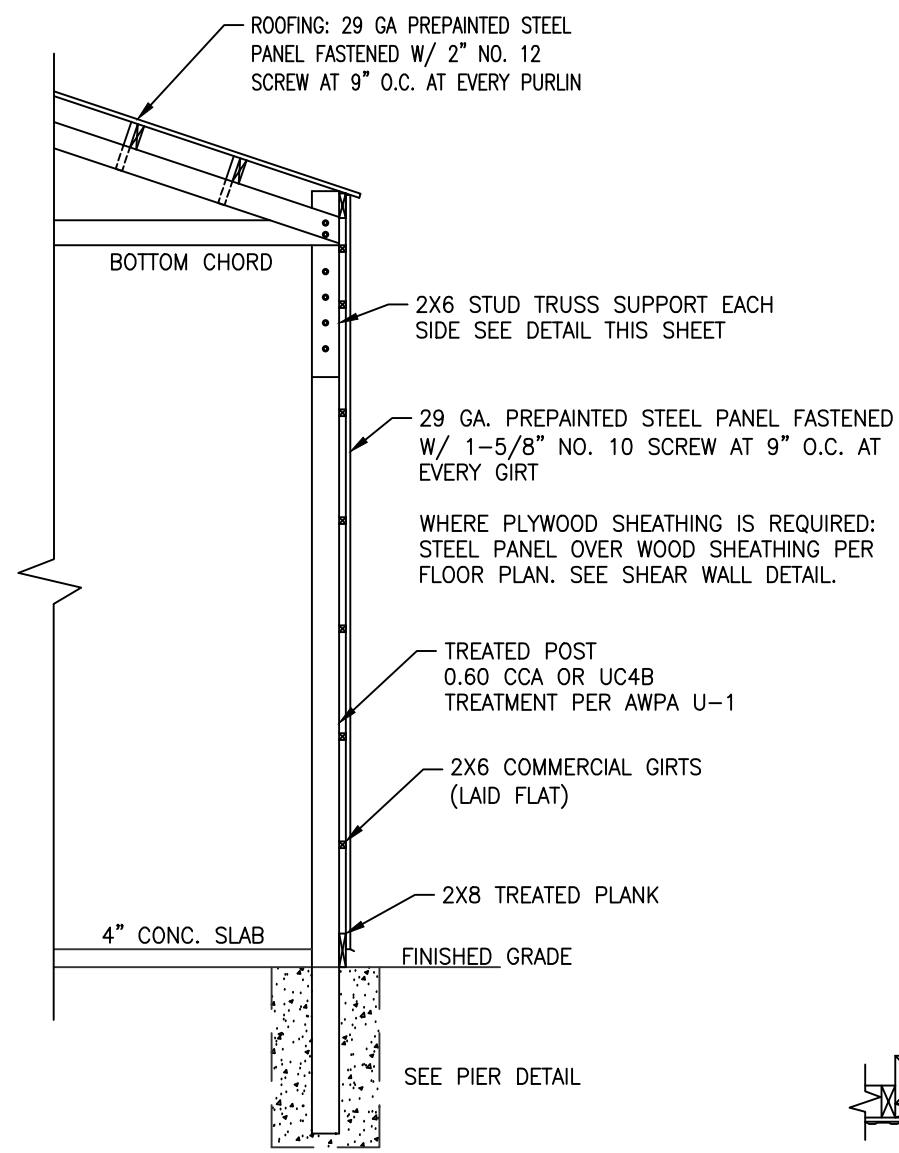
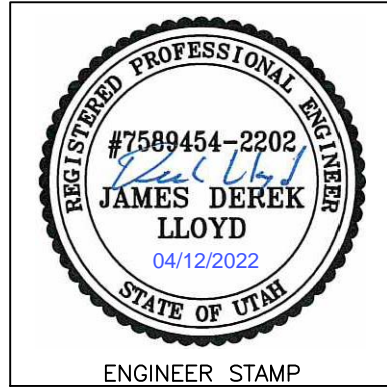
OVERHEAD DOOR HEADER
NOT TO SCALE



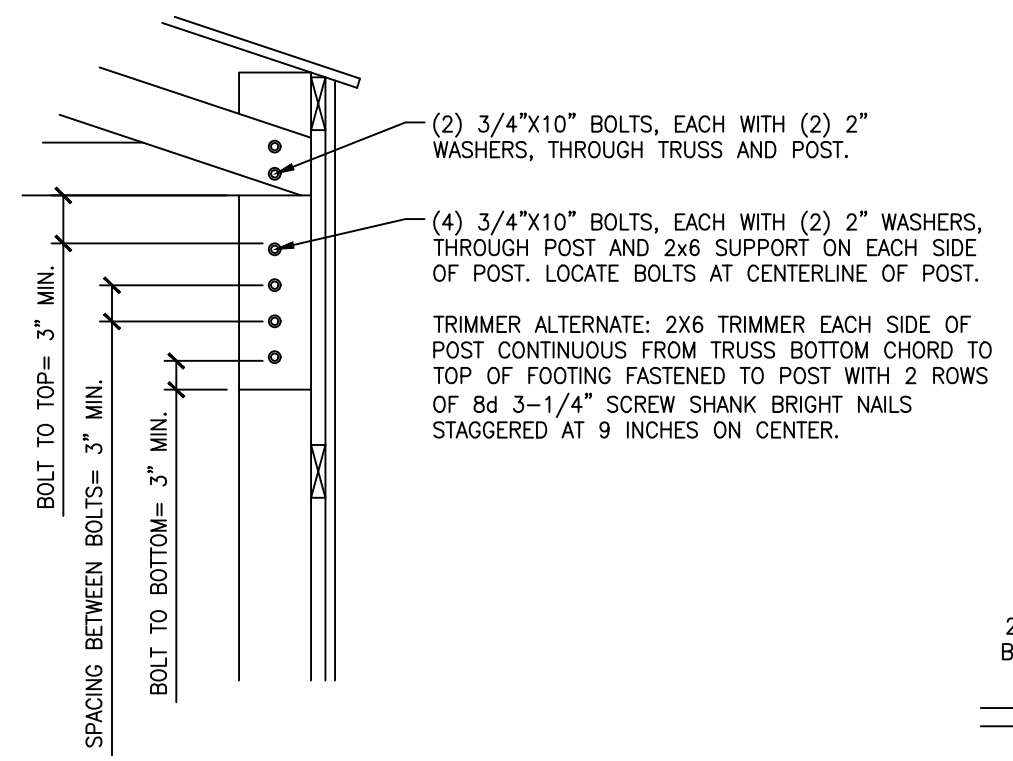
MAN DOOR OPENING
NOT TO SCALE



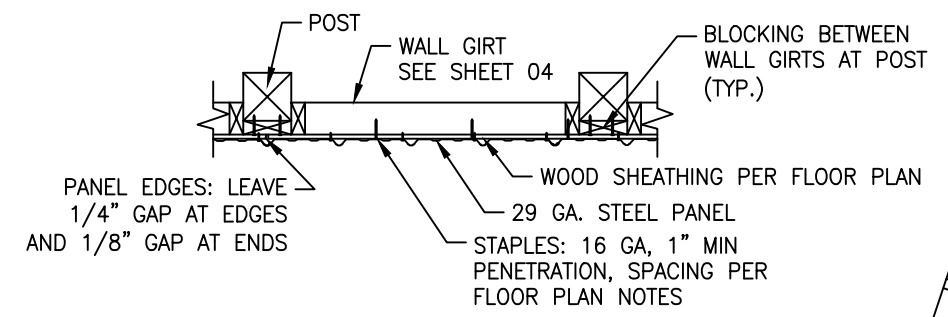
WINDOW OPENING
NOT TO SCALE



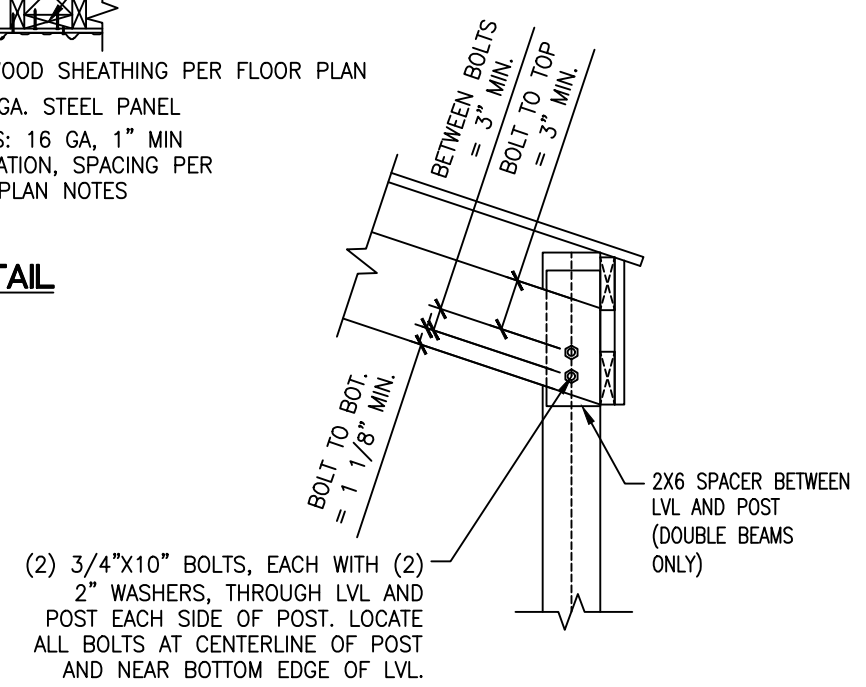
TYPICAL WALL SECTION
NOT TO SCALE



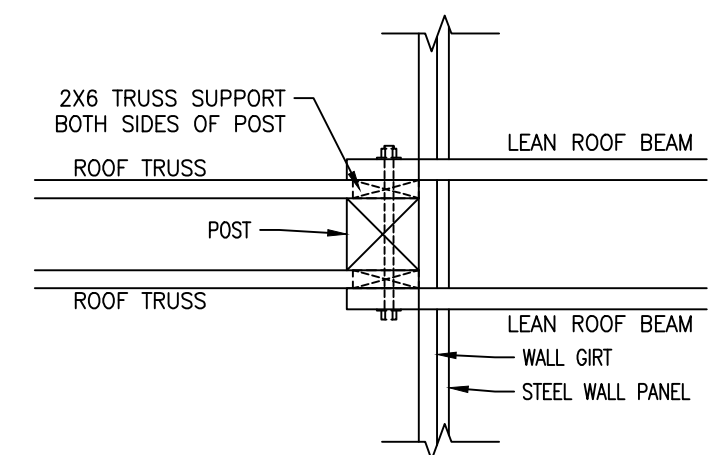
TRUSS SUPPORT TO POST CONNECTION DETAIL
NOT TO SCALE



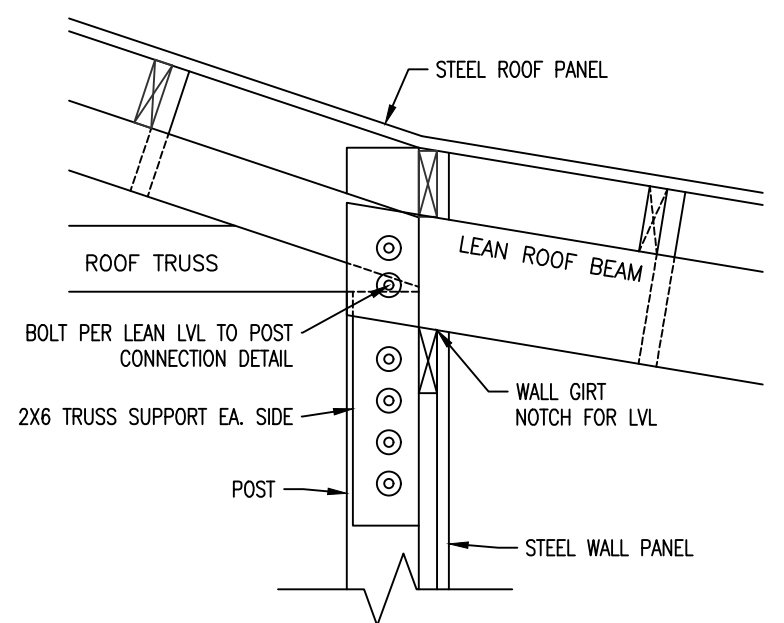
SHEAR WALL DETAIL
NOT TO SCALE



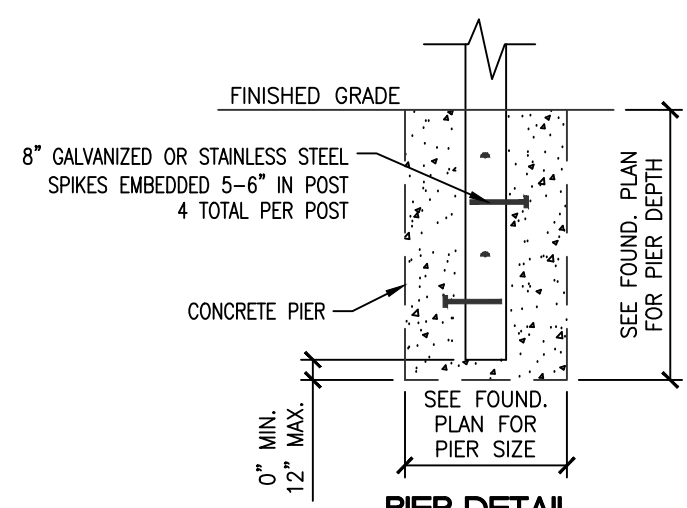
LEAN LVL TO POST CONNECTION DETAIL
NOT TO SCALE



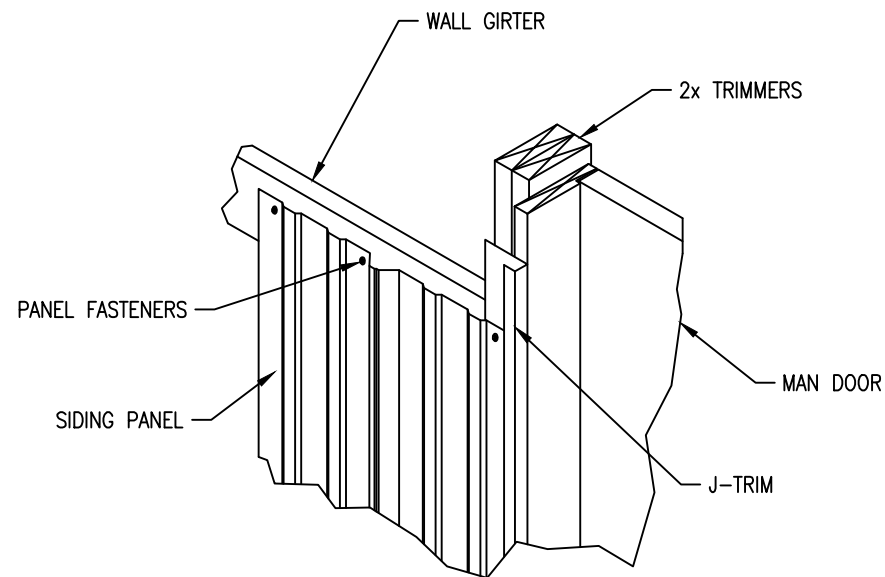
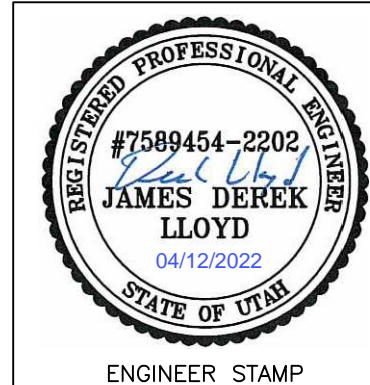
INTERIOR POST TOP VIEW



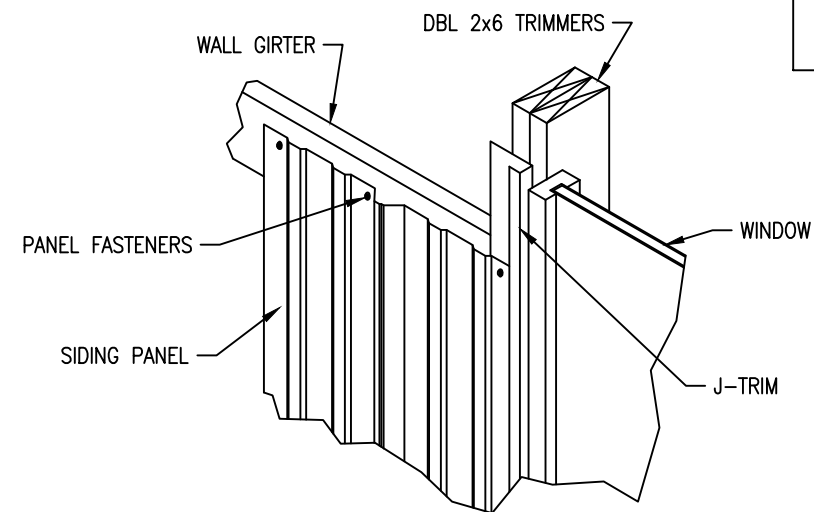
LEAN ROOF BEAM TO POST CONNECTION DETAIL
NOT TO SCALE



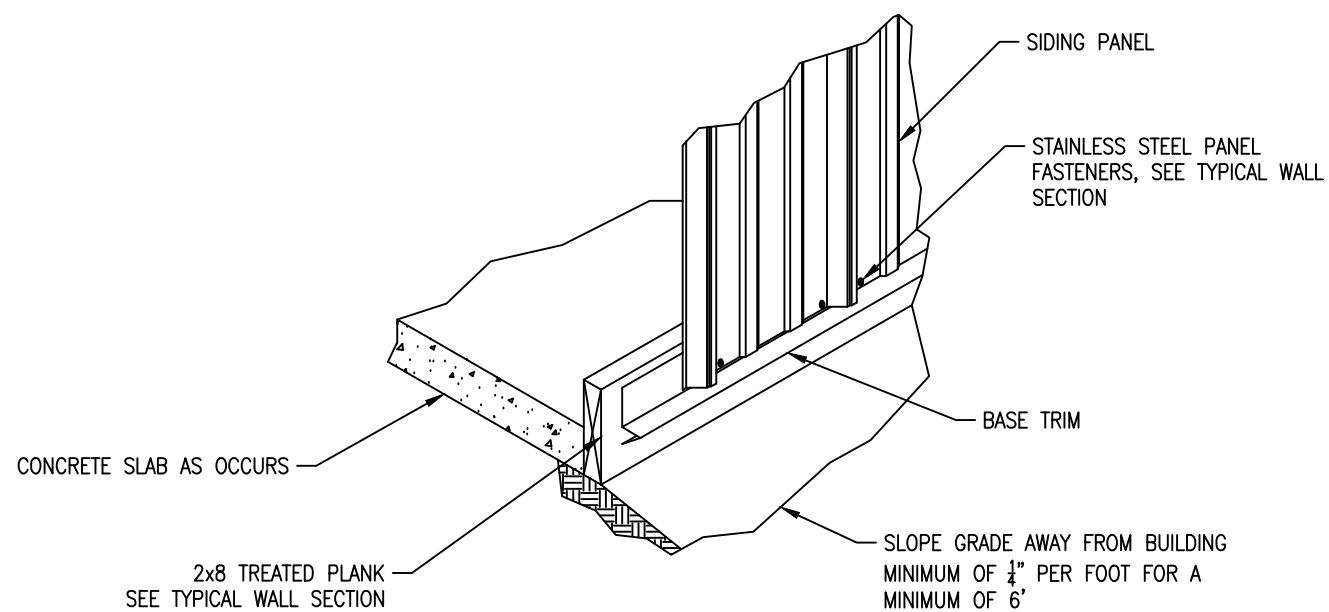
PIER DETAIL
NOT TO SCALE



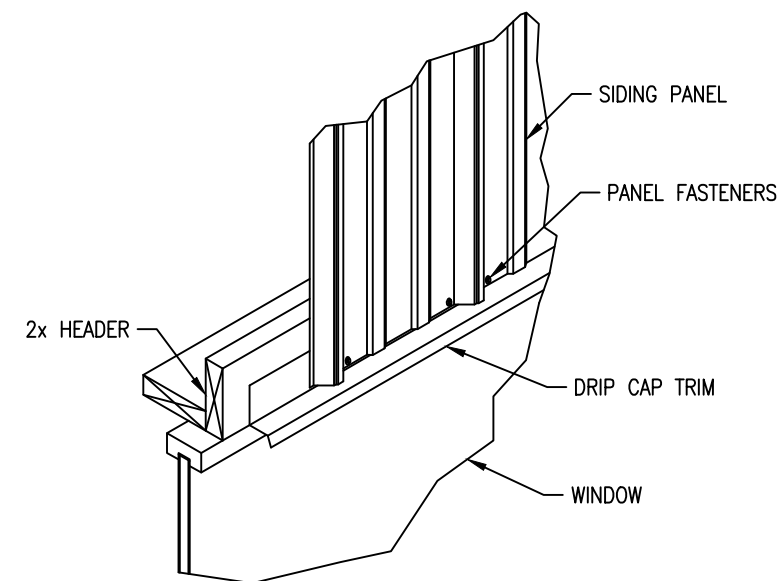
DOOR JAMB FLASHING
NOT TO SCALE



WINDOW JAMB FLASHING
NOT TO SCALE



BASE GUARD FLASHING
NOT TO SCALE



WINDOW / DOOR HEADER FLASHING
NOT TO SCALE