

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= 0.777g, S1= 0.269g; SDS= 0.622g
 ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE
 BASE SHEAR= 8536 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: 4970 FT

SNOW LOAD:
 GROUND SNOW LOAD: 53 PSF
 ROOF DESIGN SNOW LOAD: 33 PSF MAIN, 50 PSF LEAN

DEAD LOADS:
 ROOF STRUCTURE 4 PSF
 WALLS 4 PSF

ROOF LIVE LOAD: 20 PSF

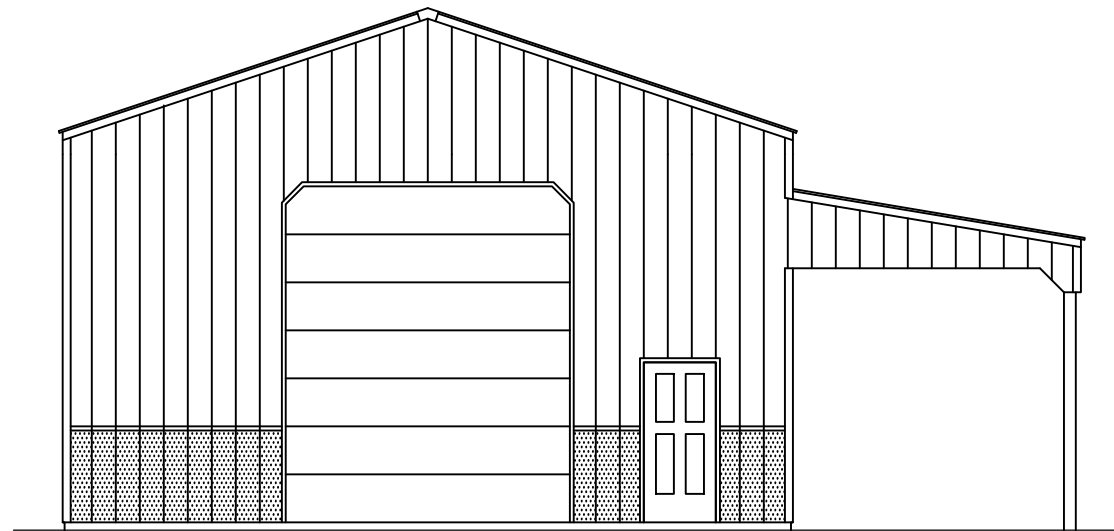
CONCRETE FOUNDATION NOTES:
 1. 28 DAY STRENGTH (F'C) W/ NORMAL 145 PCF DENSITY:
 1.1. FOOTINGS: 3000 PSI
 1.2. SLABS ON GRADE: 3000 PSI REQ'D, 3500 PSI RECOMMEND
 2. ALL SLABS: PROVIDE A MIN. THICKNESS OF 4" W/ 4" DEEP MIN. CRUSHED GRAVEL BASE.
 3. CONTRACTION/CONTROL JOINTS SHALL BE INSTALLED IN SLABS 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.

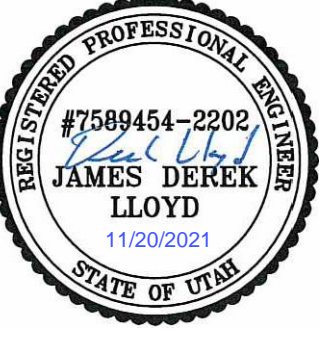

SOILS AND EXCAVATION:
 6. NO SOILS REPORT PROVIDED – STABLE SOIL CHARACTERISTICS ASSUMED. ALL DESIGN WAS BASED ON STABLE SOIL CHARACTERISTICS. GEOTECHNICAL HAZARDS FOUND ON OR AROUND THE SITE, INCLUDING EXPANSIVE CLAYS, OR SOILS FOUND AT THE SITE WHILE EXCAVATION OCCURS WHICH DIFFERS FROM THOSE ASSUMED 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.

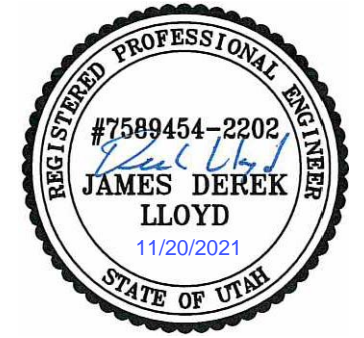
GENERAL:
 10. PLEASE REFER TO THE STRUCTURAL CALCULATIONS FOR ALL SPECIFICATIONS AND DESIGN CRITERIA NOT LISTED HERE. WHERE DETAILS ARE NOT SPECIFIED, TYPICAL DETAILS AS SPECIFIED ON PLANS AND ON THE STRUCTURAL DETAILS SHEET SHALL APPLY.
 11. FOR SPECIFICATIONS NOT SHOWN REFER TO THE IBC.

NORTH STAR BUILDINGS

TRENT WANGSGARD BUILDING



BUILDING INFORMATION	CONTRACTOR	DRAFTING & ENGINEERING	DRAWING INDEX		 ENGINEER STAMP
SITE INFORMATION: ADDRESS: 468 S 8300 E HUNTSVILLE, UTAH BUILDING INFORMATION: DIMENSIONS: 30' x 50' TOTAL SQUARE FOOTAGE: 2100 S.F. MAIN BUILDING: 1500 S.F. LEANS: 600 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	11/20/2021
			01	FOUNDATION PLAN	
			02	FLOOR PLAN	
			03	ROOF PLAN	
			04	ELEVATIONS	
			05	GIRT PLAN	
			06	PANEL LAYOUT	
			07-09	DETAIL SHEETS	



ENGINEER STAMP

MOUNTAIN POINT
ENGINEERING

FOUNDATION PLAN

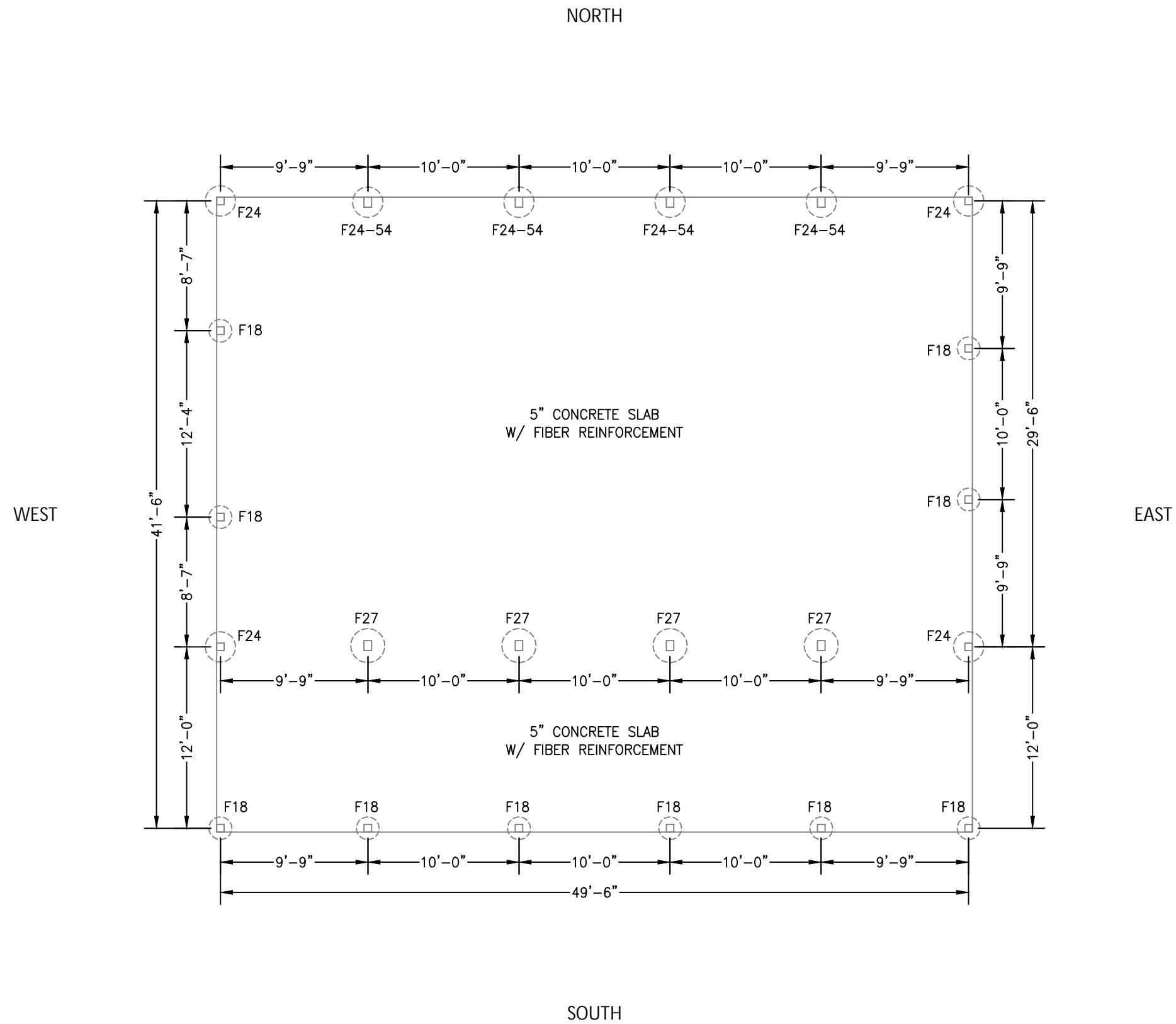
TRENT WANGSGARD BUILDING
HUNTSVILLE, UTAH

PROJECT
NS45

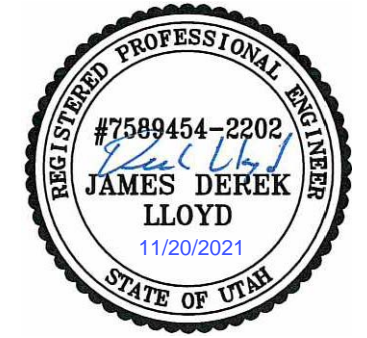
SCALE
1/8" = 1'-0"

DATE
11/20/2021

SHEET
01



- PIERS:
1. F18: 18" DIA X 40" DEEP CONCRETE PIER
1.1. 24" DIA OK
 2. F24: 24" DIA x 40" DEEP CONCRETE PIER
 3. F24-54: 24" DIA x 54" DEEP CONCRETE PIER
 4. F27: 27" DIA x 40" DEEP CONCRETE PIER



ENGINEER STAMP

MOUNTAIN POINT
ENGINEERING

FLOOR PLAN

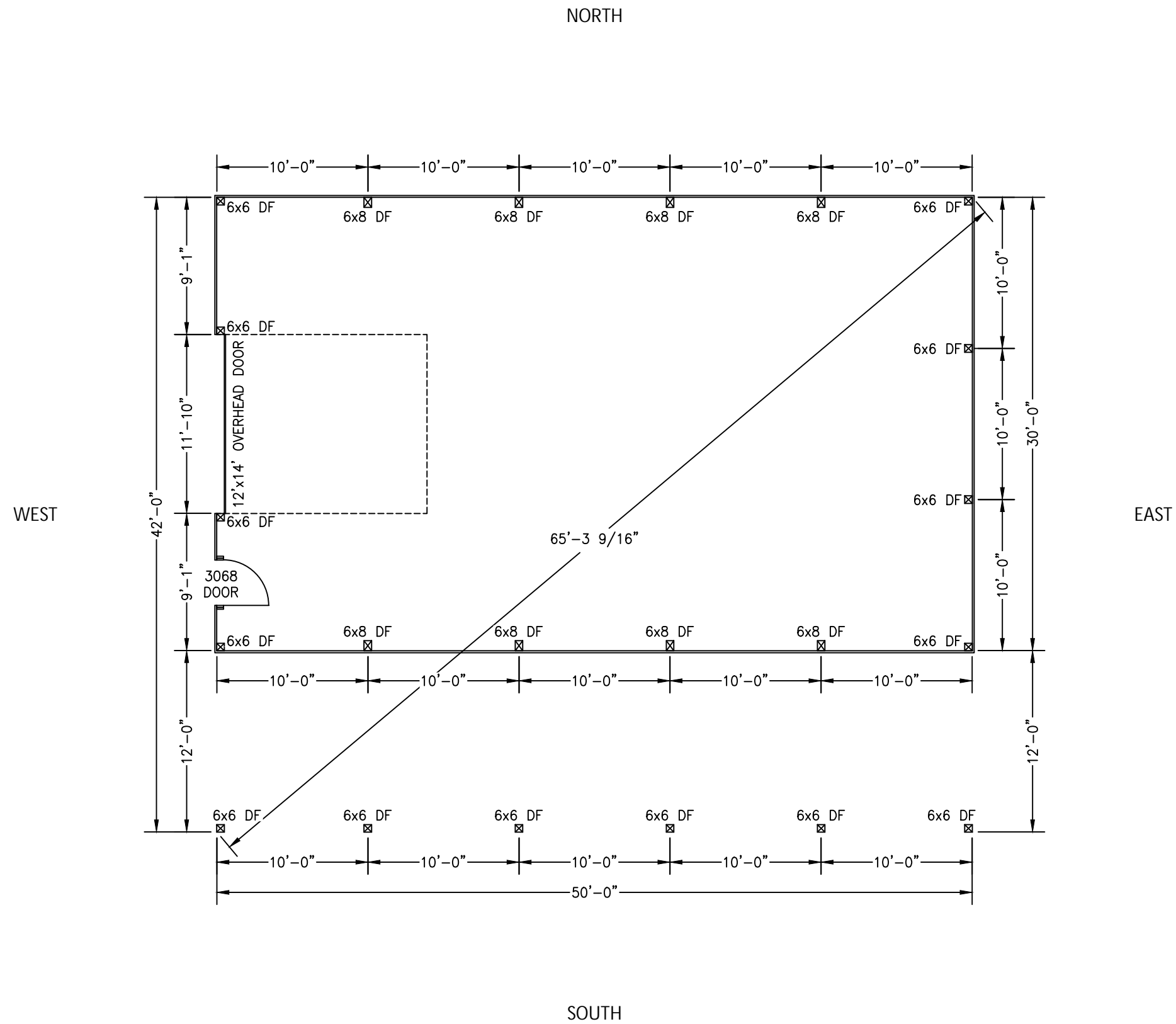
TRENT WANGSGARD BUILDING
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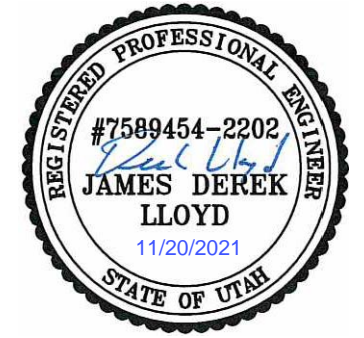
SCALE
1/8" = 1'-0"

DATE
11/20/2021

SHEET
02



- NOTES:
1. 6x6 DF: 6x6 DF-L #2 TREATED POST.
 2. 6x8 DF: 6x8 DF-L #2 TREATED POST.
 3. EMBED POST INTO CONCRETE PIER. SEE DETAIL ON SHEET 8.
 4. ROOF: 29 GA STEEL PANEL
 5. WALLS: STANDARD GIRTS, 29 GA STEEL PANEL



ENGINEER STAMP



ROOF PLAN

TRENT WANGSGARD BUILDING
HUNTSVILLE, UTAH

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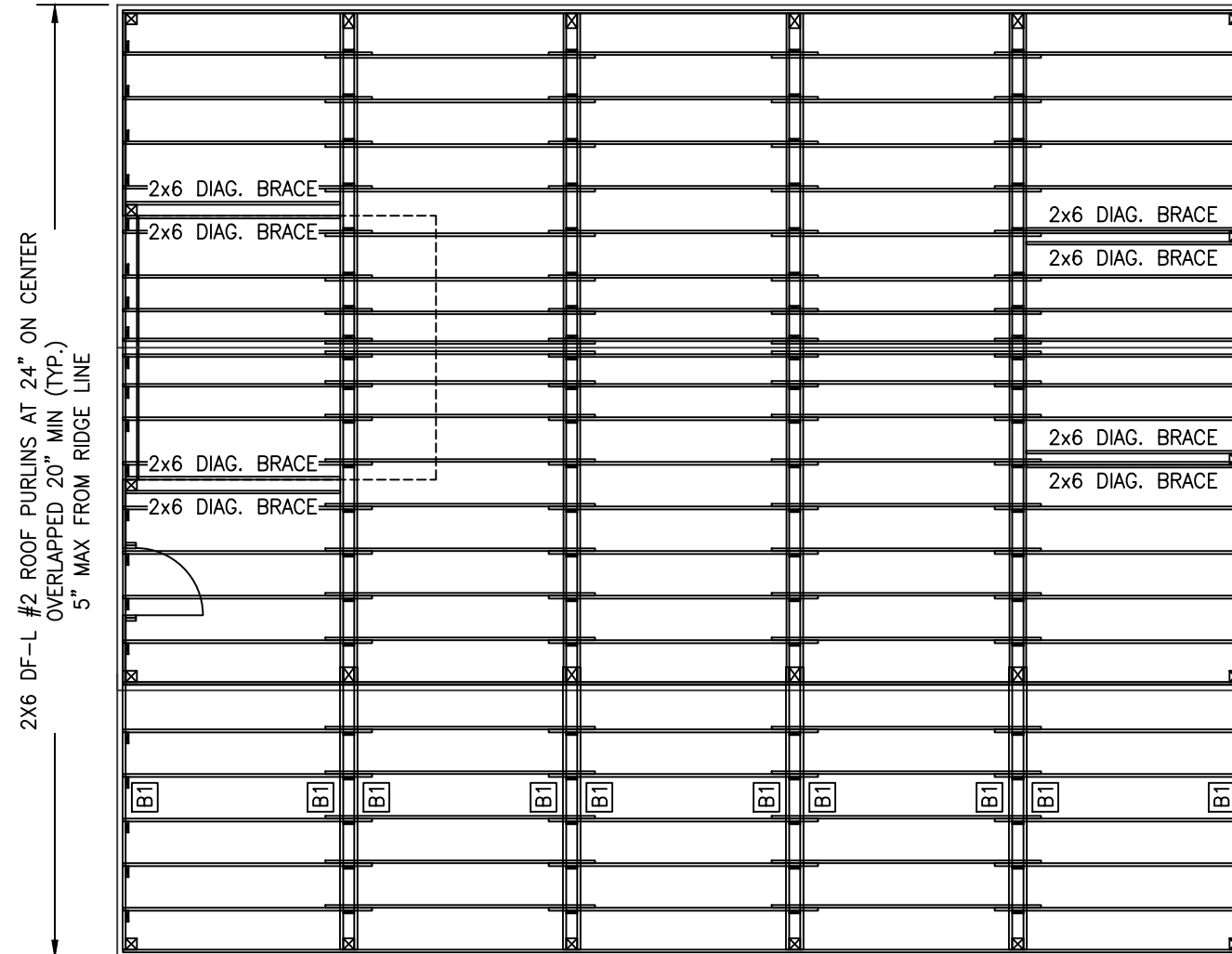
SHEET
03

NORTH

WEST

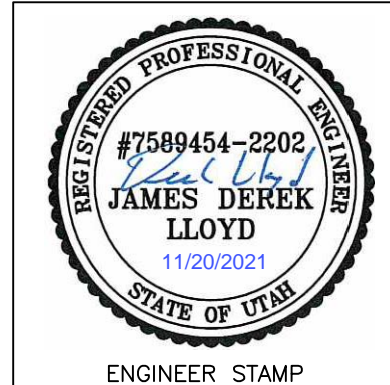
EAST

SOUTH



BEAMS:
1. B1: 1-3/4"x9-1/4" LVL

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



ELEVATIONS

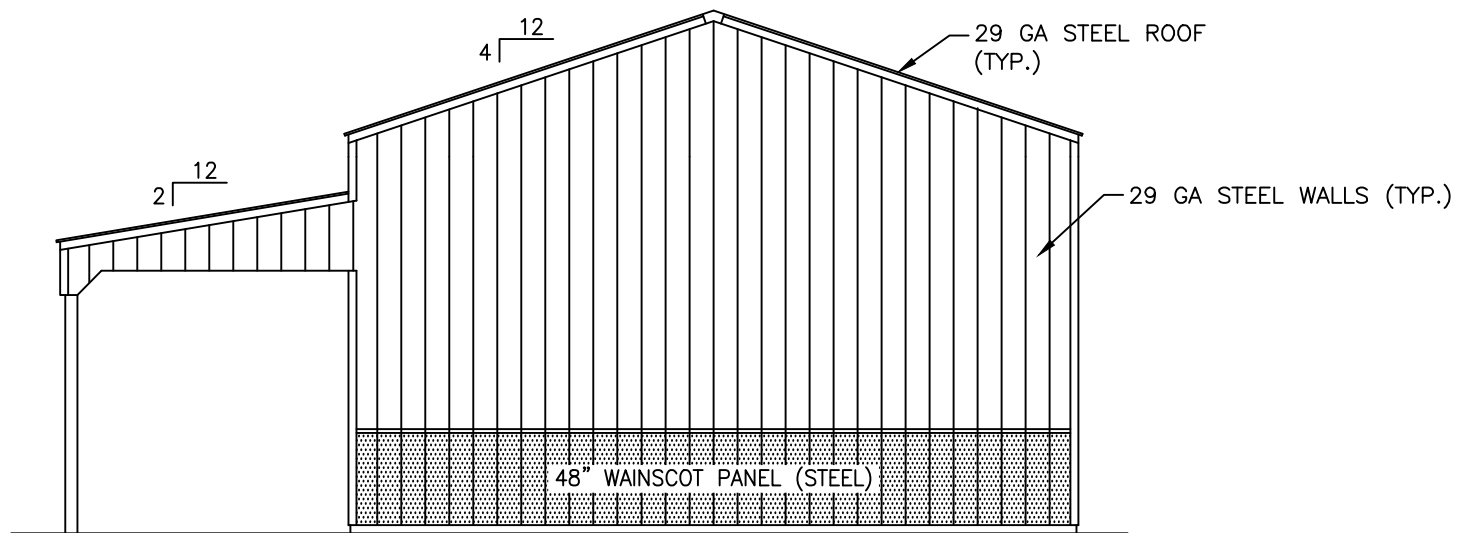
TRENT WANGSGARD BUILDING
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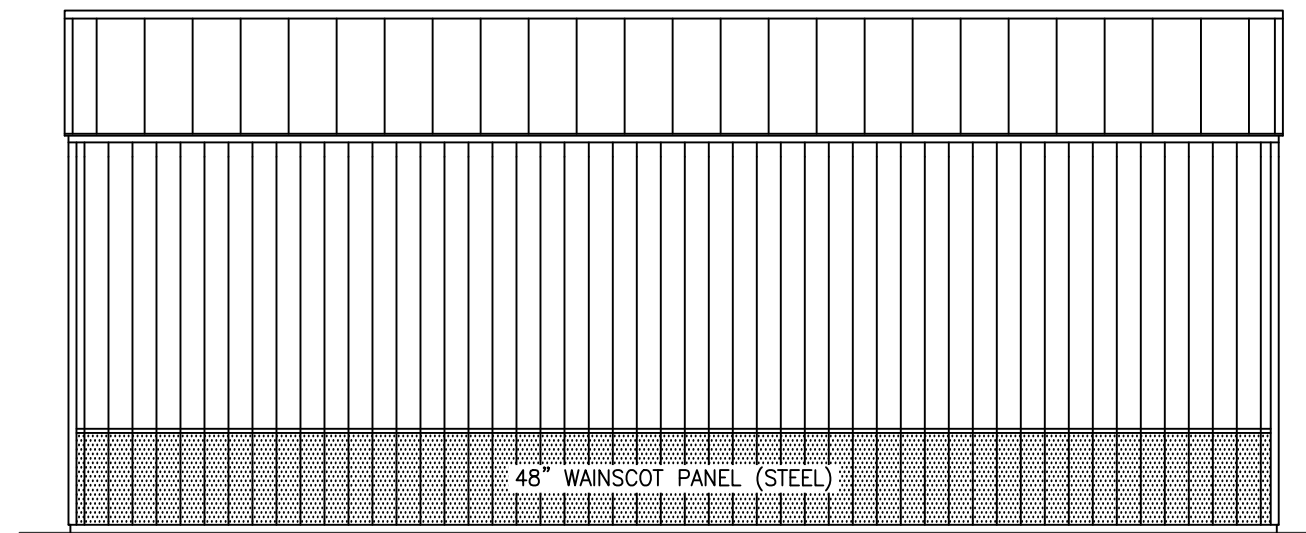
SCALE
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SHEET
04



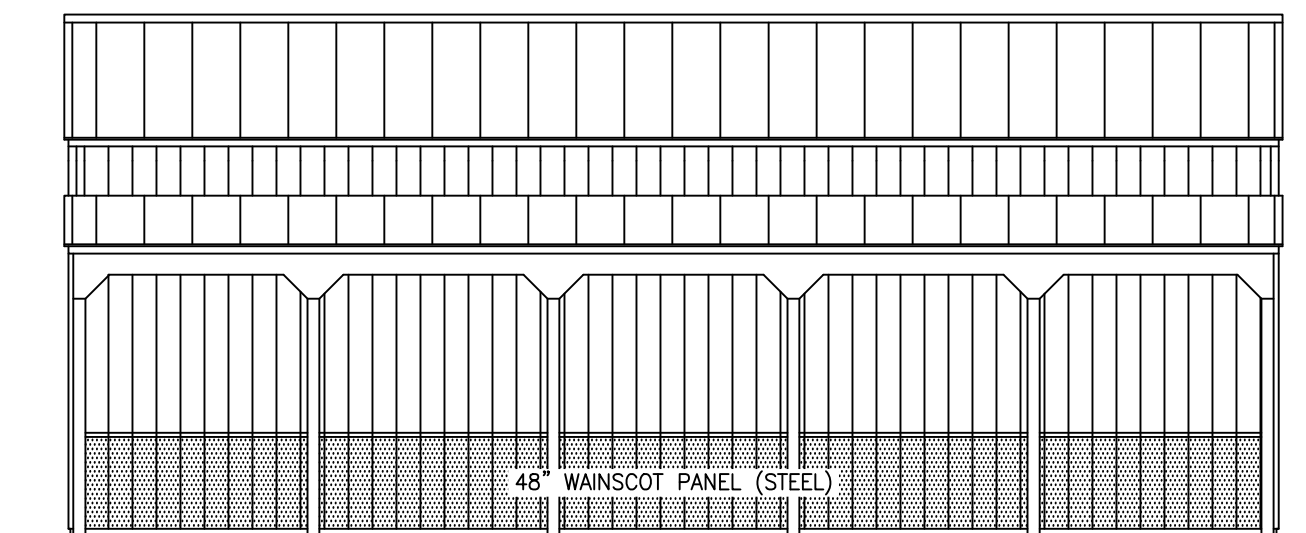
GABLE END ELEVATION - EAST



SIDE ELEVATION - NORTH



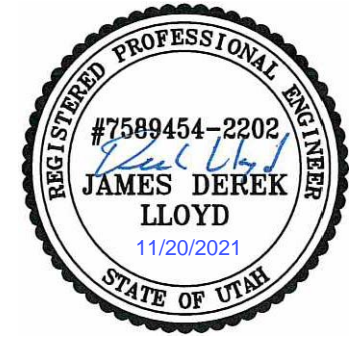
GABLE END ELEVATION - WEST



SIDE ELEVATION - SOUTH

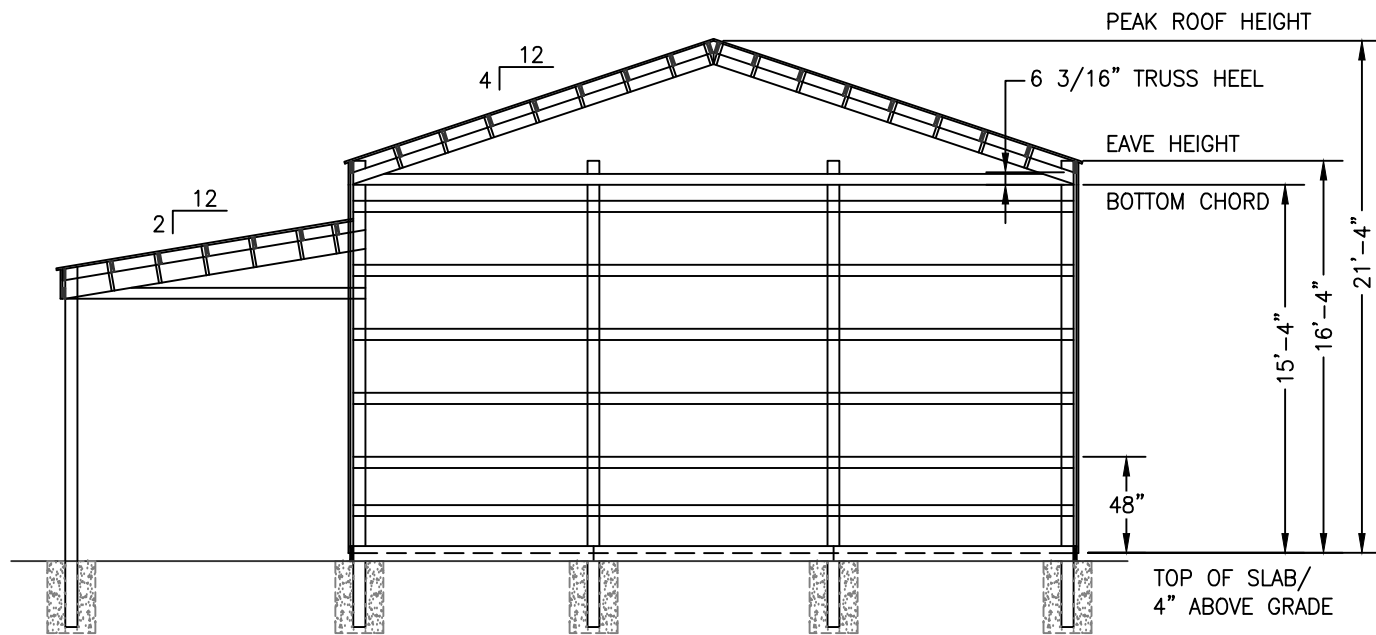
NOTES:

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.

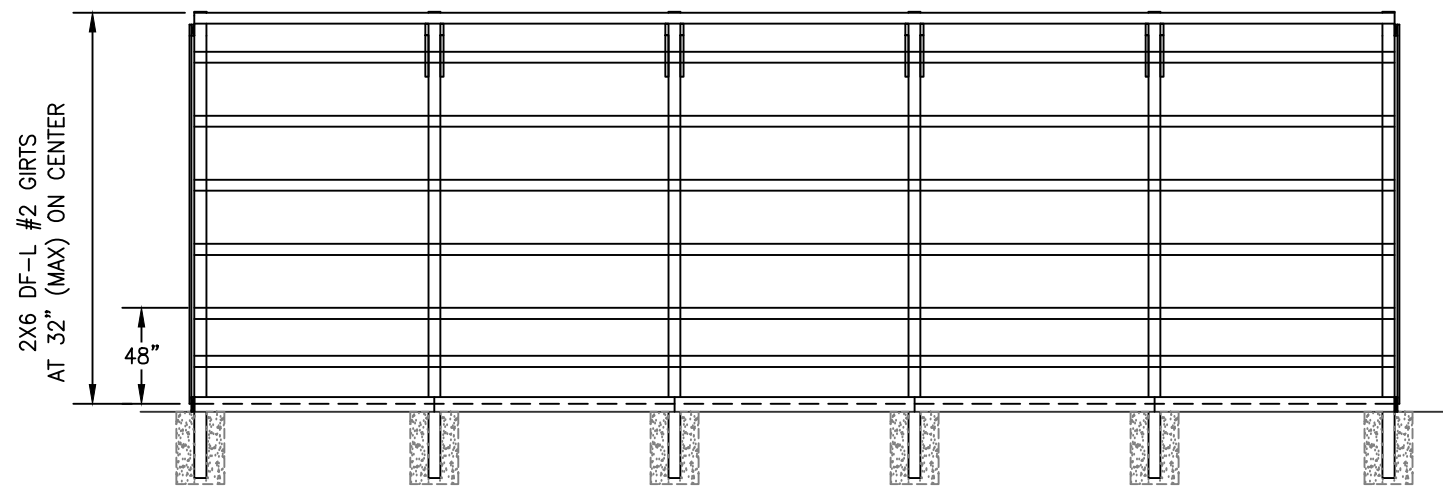


ENGINEER STAMP

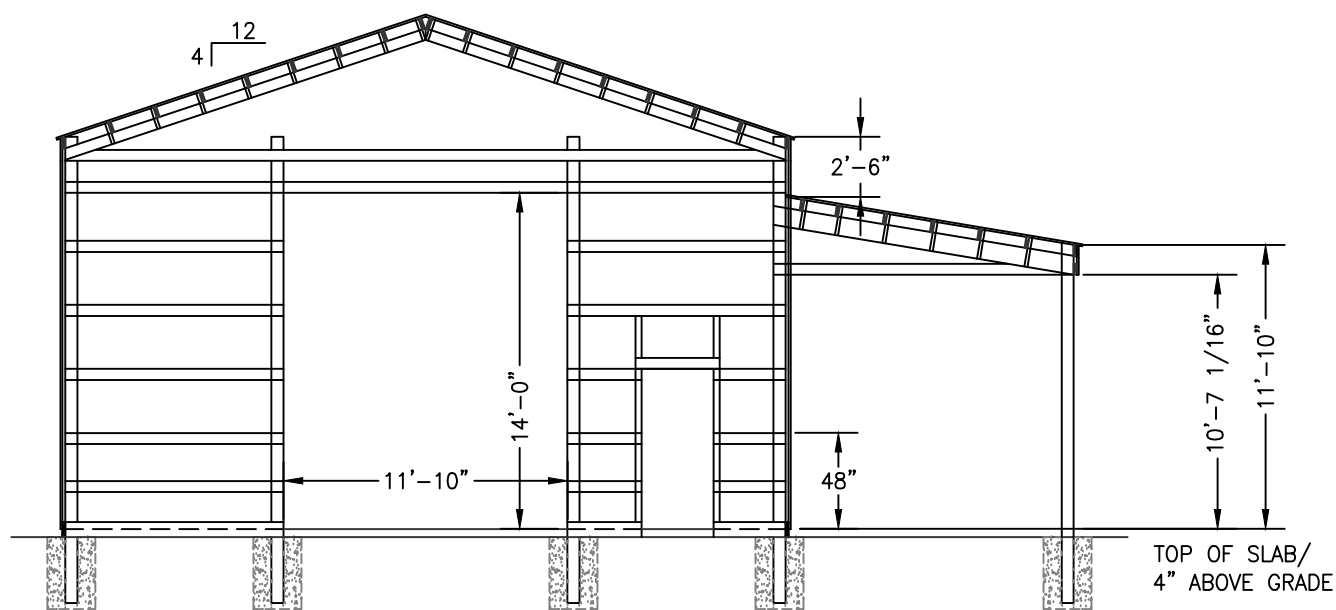
MOUNTAIN POINT
ENGINEERING



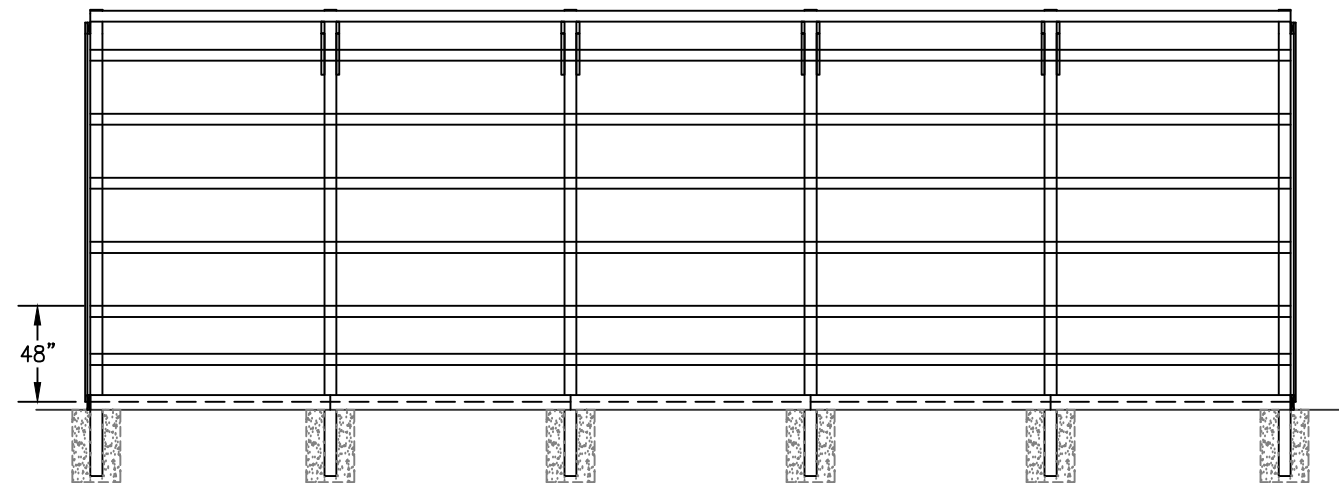
GABLE END GIRT WALL - EAST



SIDE GIRT WALL - NORTH



GABLE END GIRT WALL - WEST



SIDE GIRT WALL - SOUTH

GIRT PLAN

TRENT WANGSGARD BUILDING

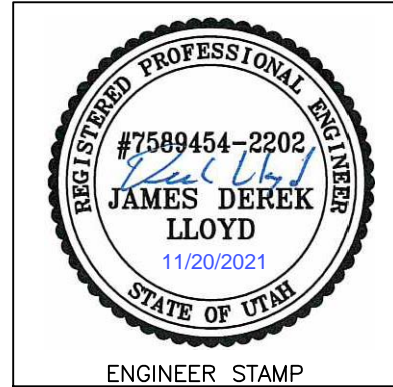
HUNTSVILLE, UTAH

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SHEET
05



ENGINEER STAMP

PANEL LAYOUT

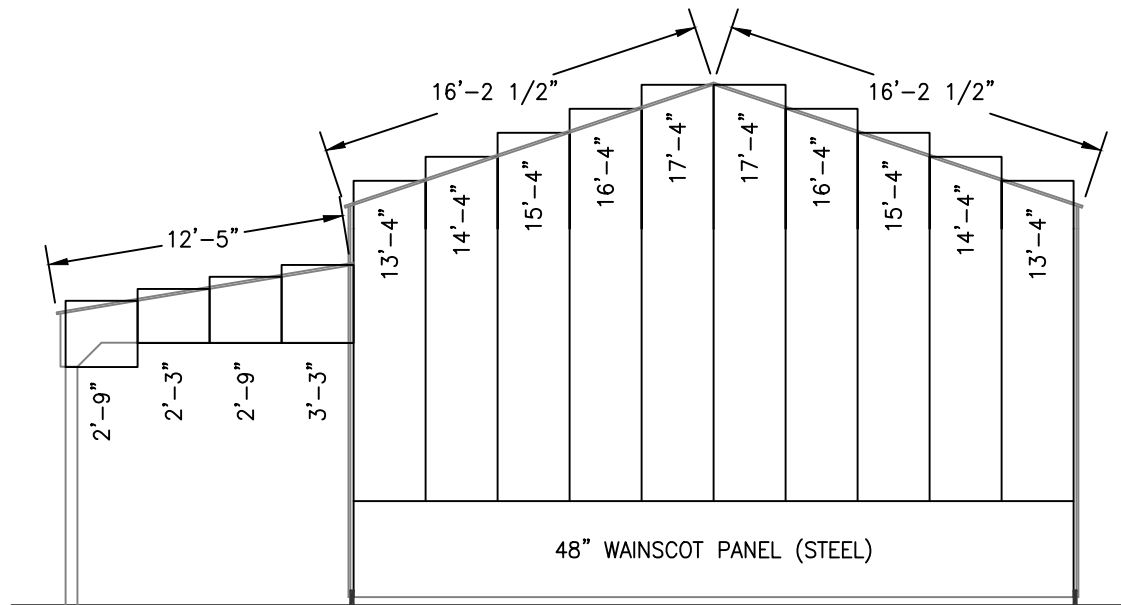
TRENT WANGSGARD BUILDING
HUNTSVILLE, UTAH

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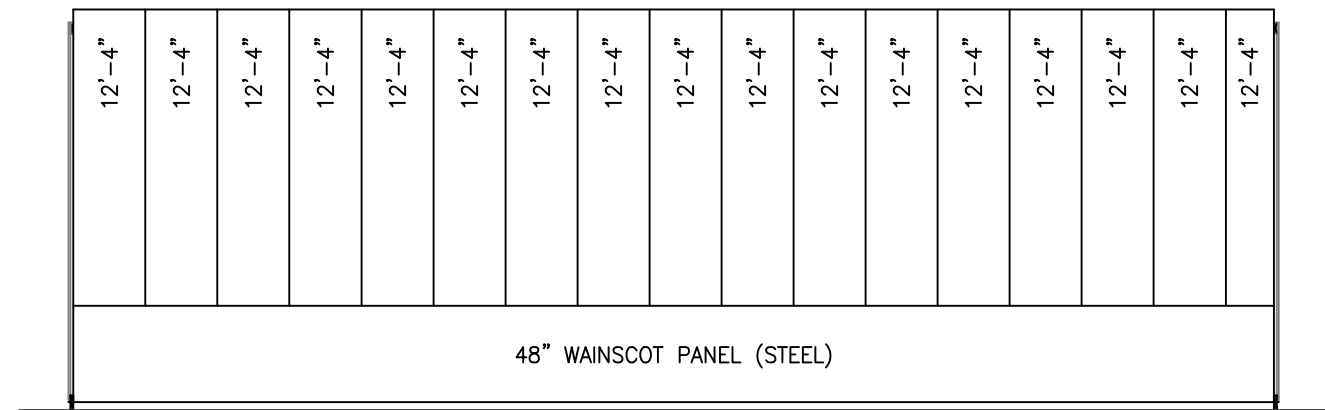
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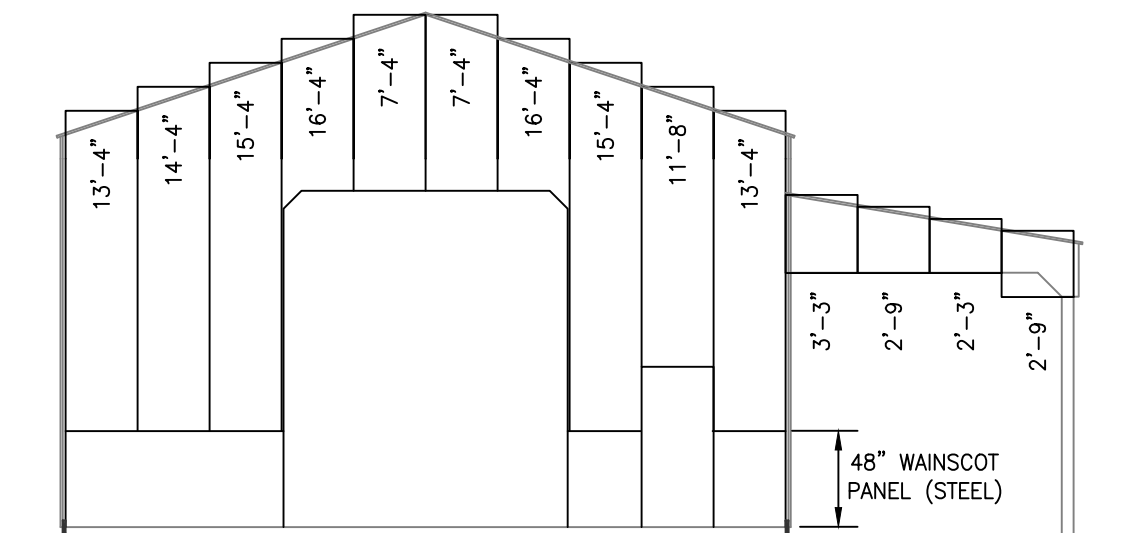
SHEET
06



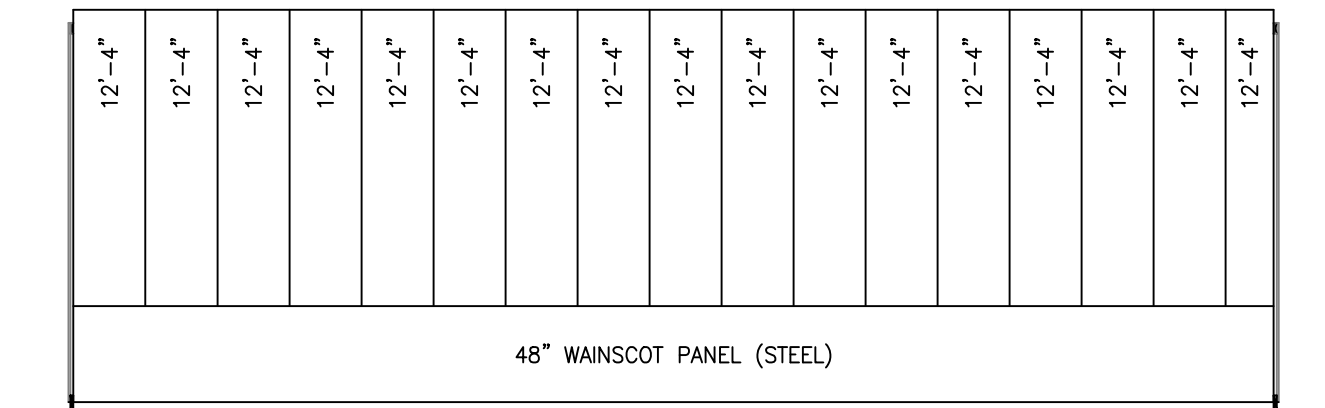
END PANEL LAYOUT - EAST



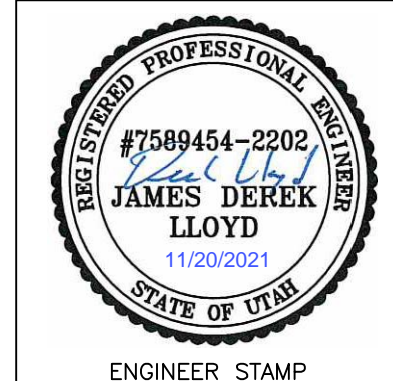
SIDE PANEL LAYOUT - NORTH



END PANEL LAYOUT - WEST



SIDE PANEL LAYOUT - SOUTH

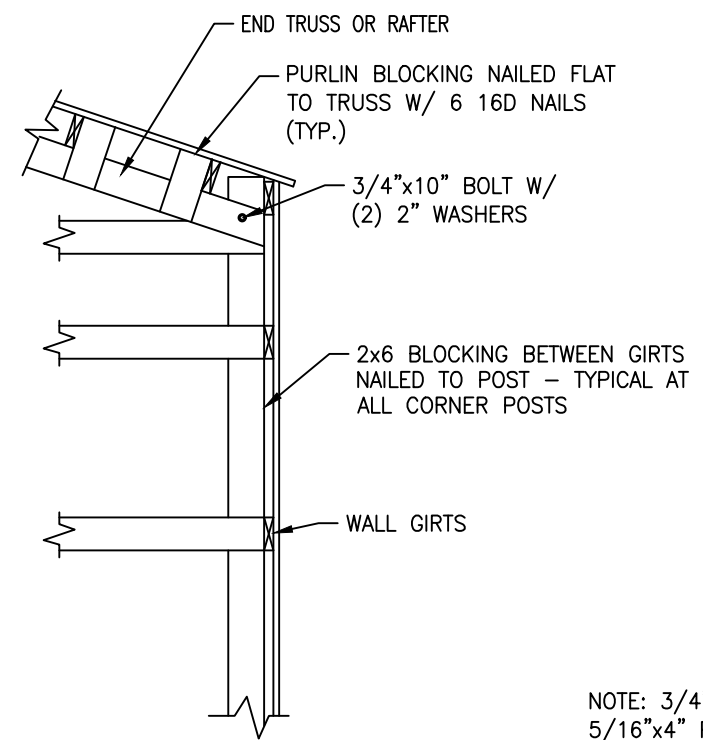


MOUNTAIN POINT
ENGINEERING

DETAIL SHEET

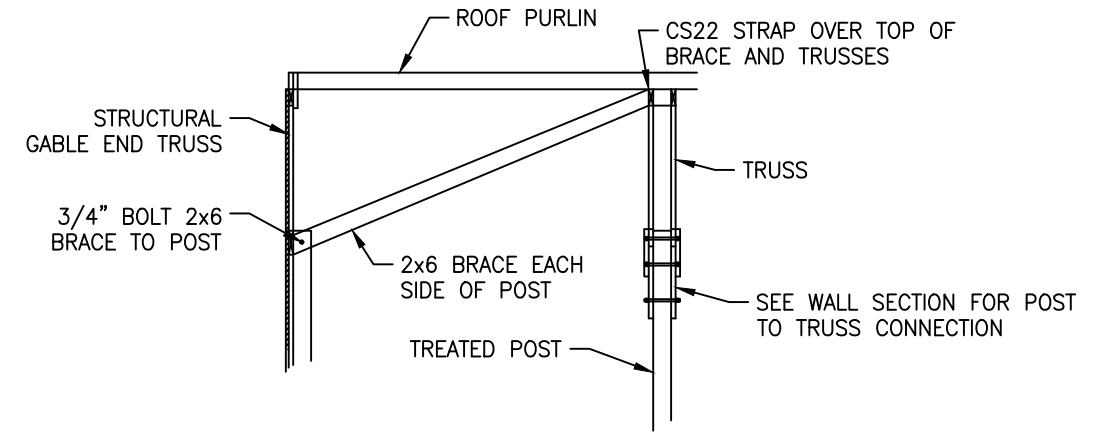
TRENT WANGSGARD BUILDING
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SHEET
07

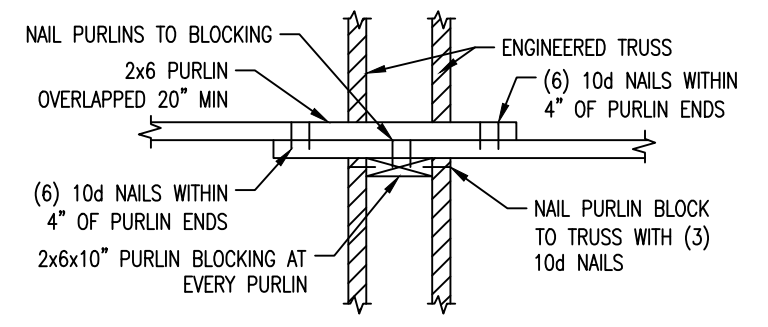


CORNER BLOCKING
NOT TO SCALE

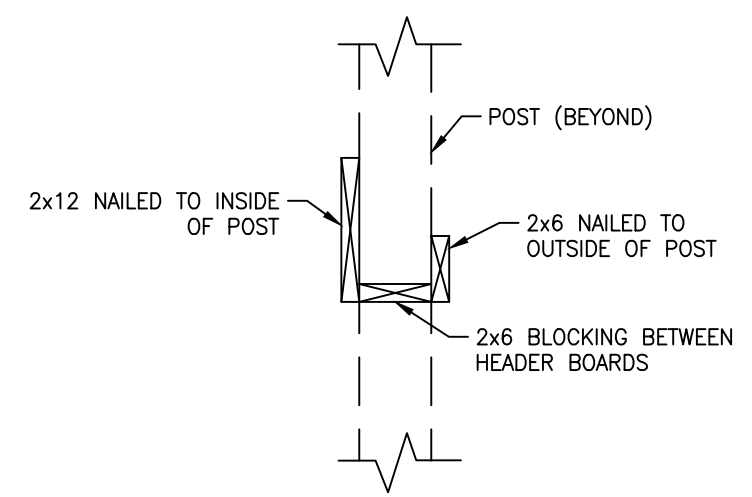
NOTE: 3/4" BOLT ALTERNATIVE: (2)
5/16"x4" POWERLAG FASTENERS
(TYP. FOR CORNER BLOCKING AND
POST TO TRUSS BRACE DETAILS)



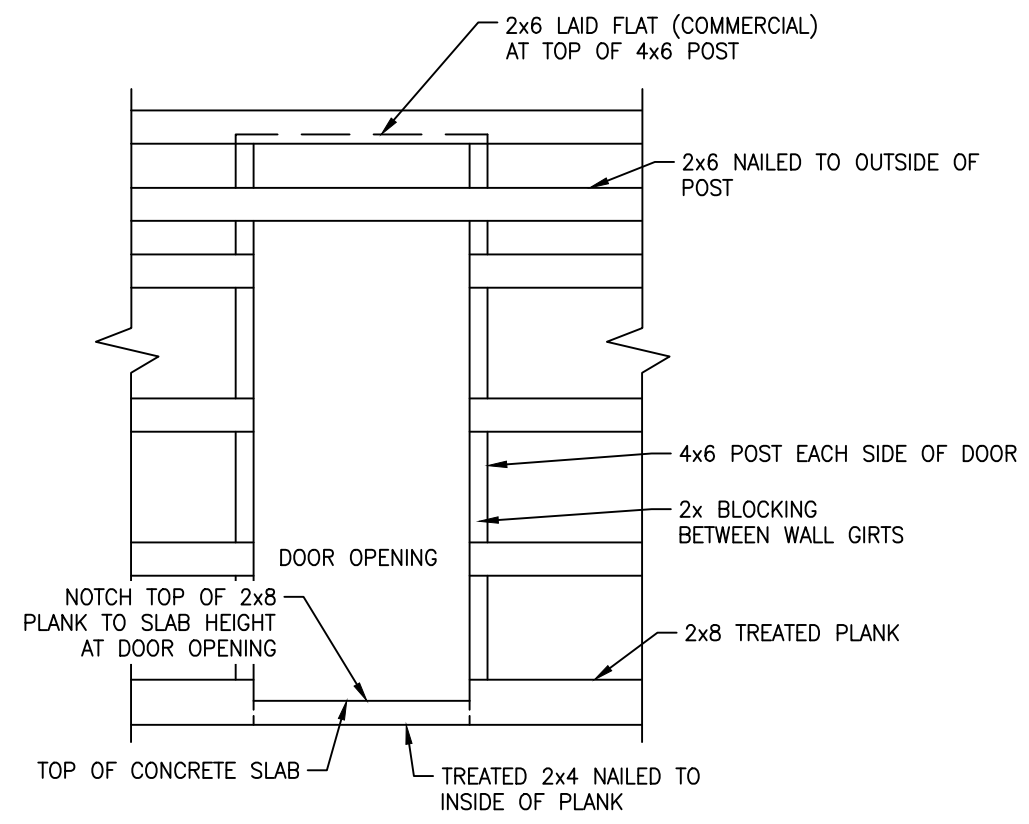
POST TO TRUSS BRACE
NOT TO SCALE



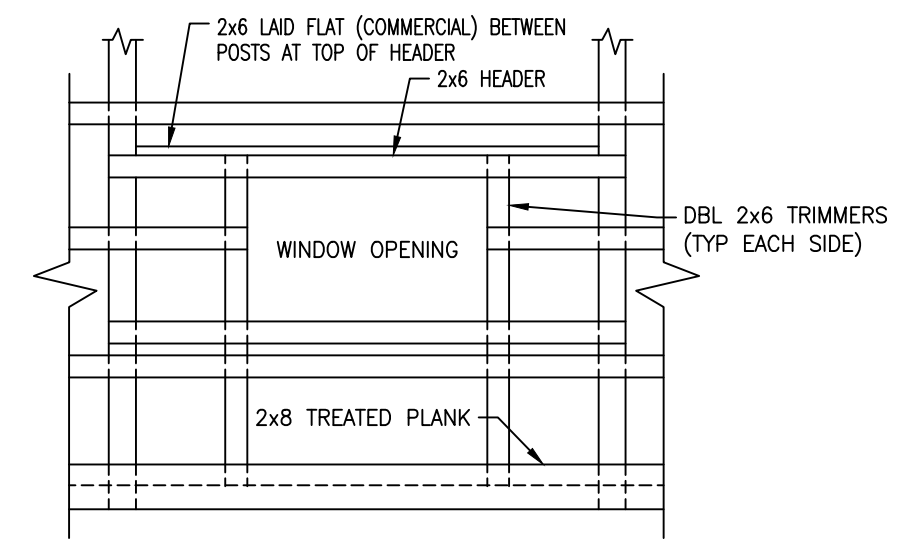
PURLIN CONNECTION
NOT TO SCALE



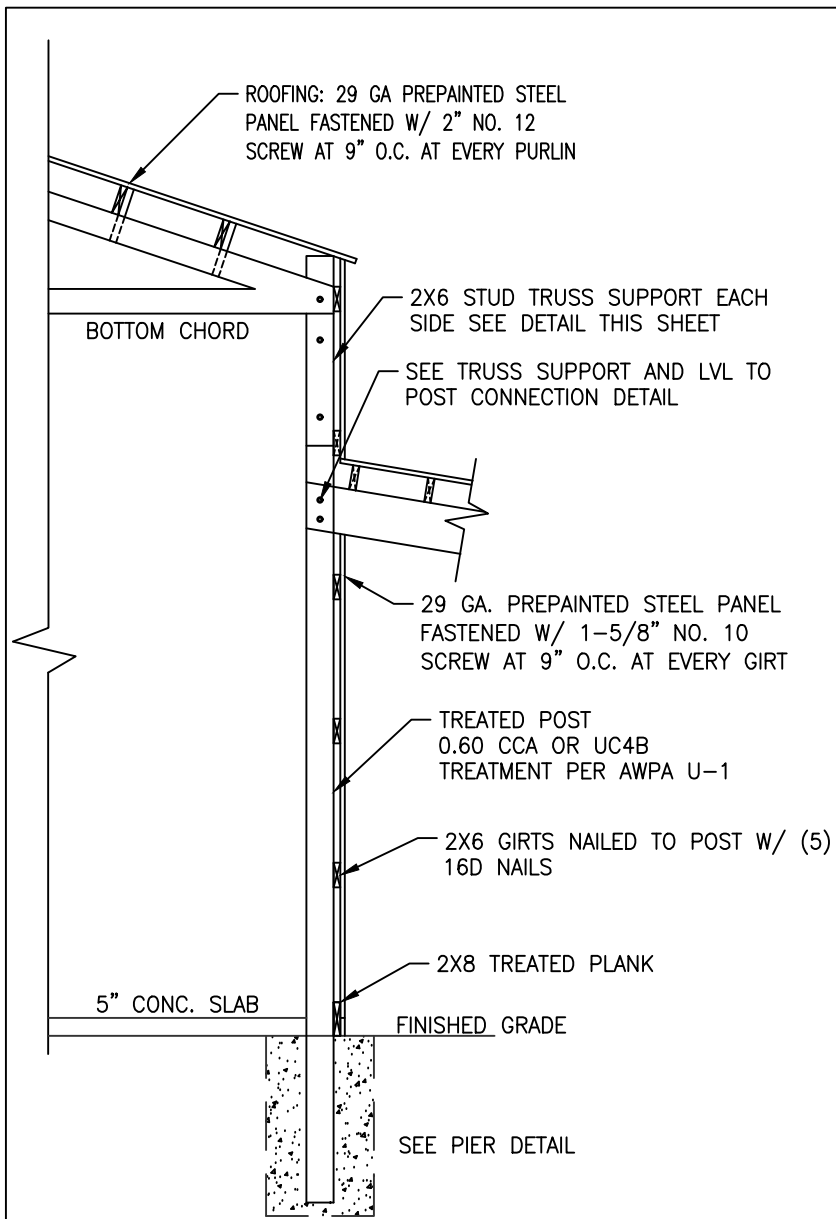
OVERHEAD DOOR HEADER
NOT TO SCALE



MAN DOOR OPENING
NOT TO SCALE

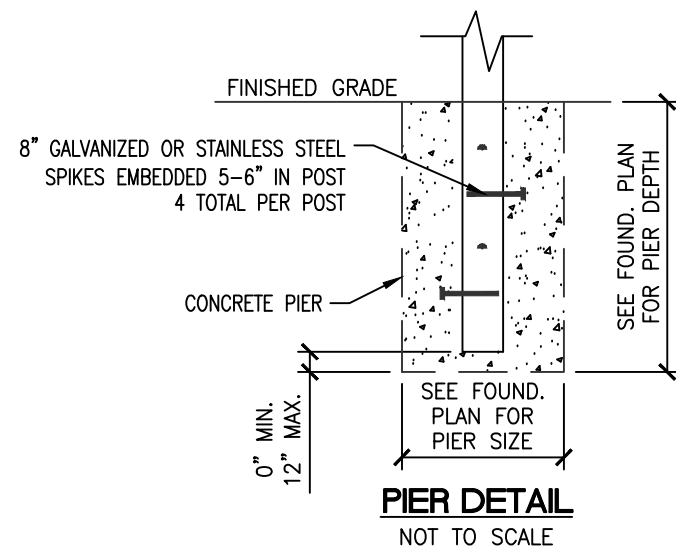


WINDOW OPENING
NOT TO SCALE



TYPICAL WALL SECTION

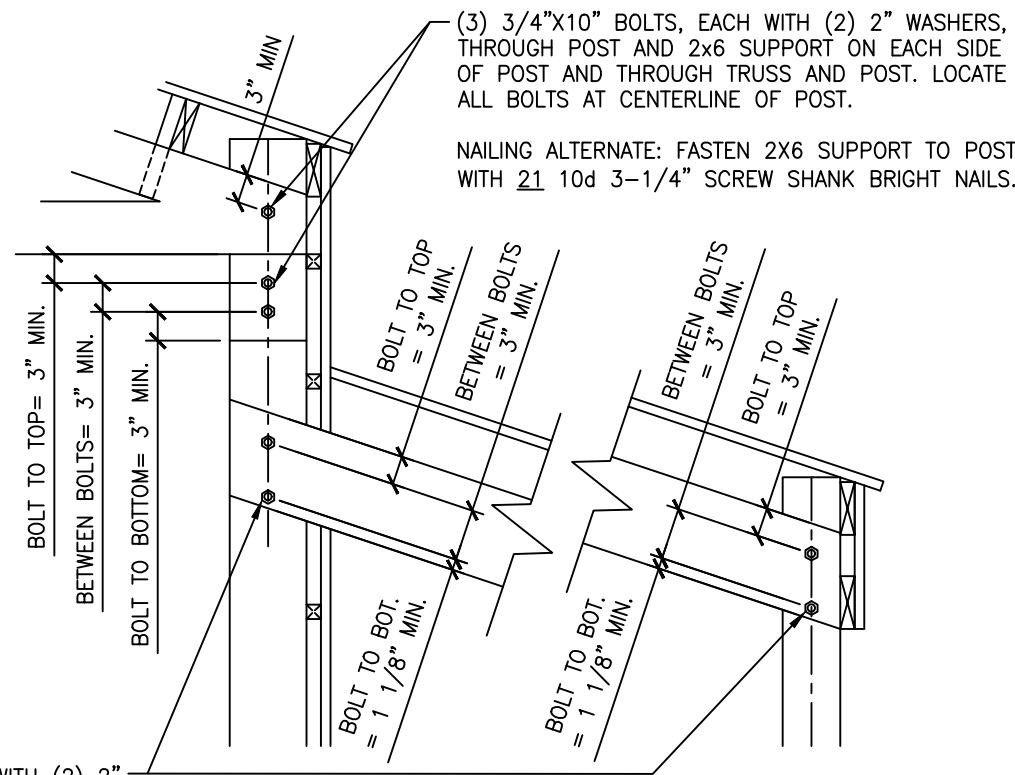
NOT TO SCALE



PIER DETAIL

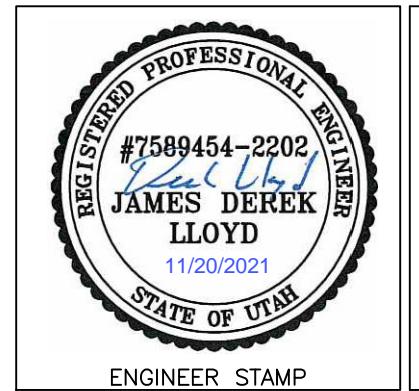
NOT TO SCALE

(2) 3/4"x10" BOLTS, EACH WITH (2) 2" WASHERS, THROUGH LVL AND POST EACH SIDE OF POST. LOCATE ALL BOLTS AT CENTERLINE OF POST.



TRUSS SUPPORT AND LVL TO POST CONNECTION DETAIL

NOT TO SCALE



MOUNTAIN POINT
ENGINEERING

DETAIL SHEET

TRENT WANGSGARD BUILDING

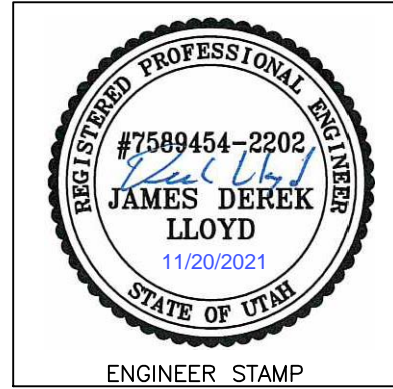
HUNTSVILLE, UTAH

PROJECT
NS45

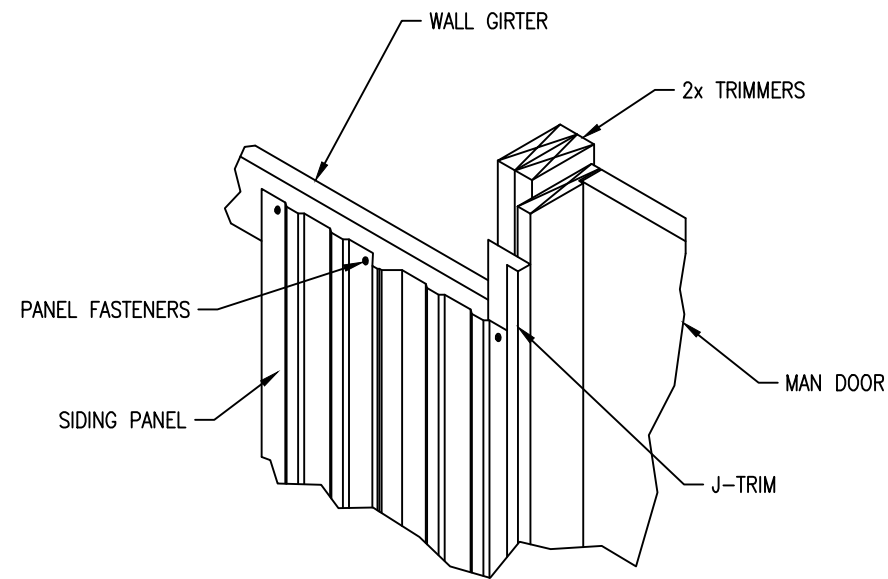
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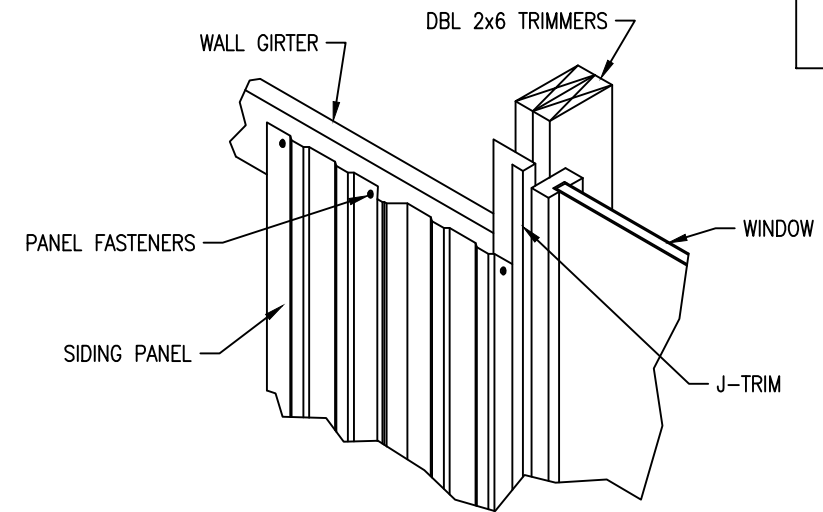
SHEET
08



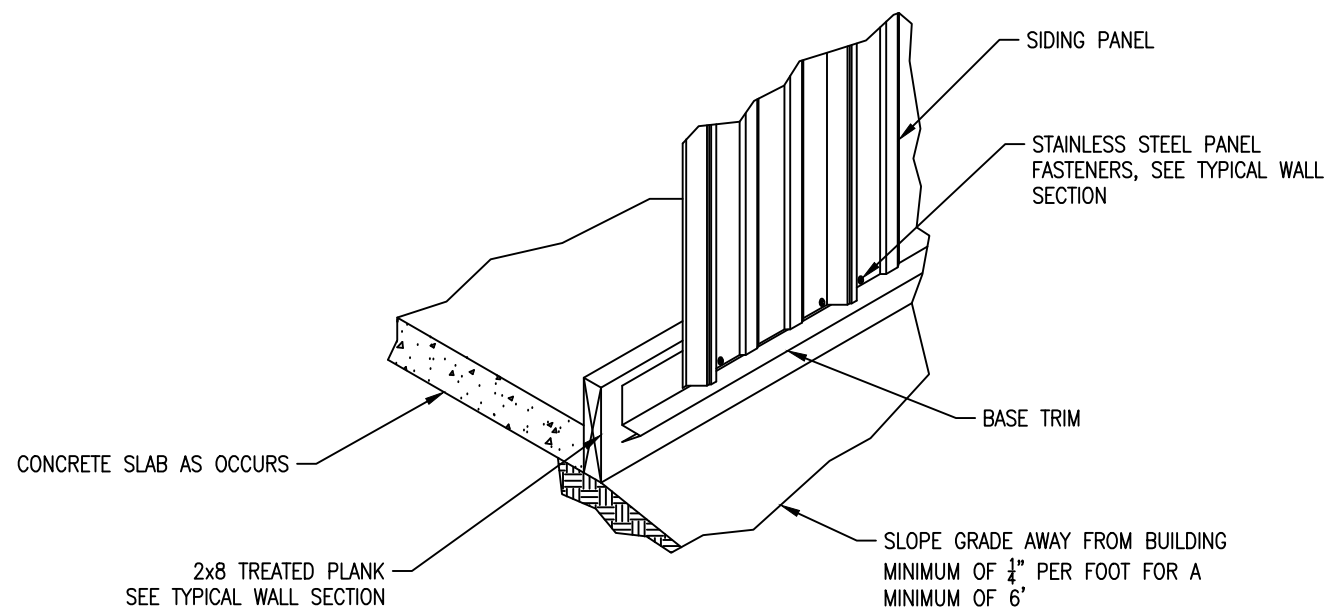
MOUNTAIN POINT
ENGINEERING



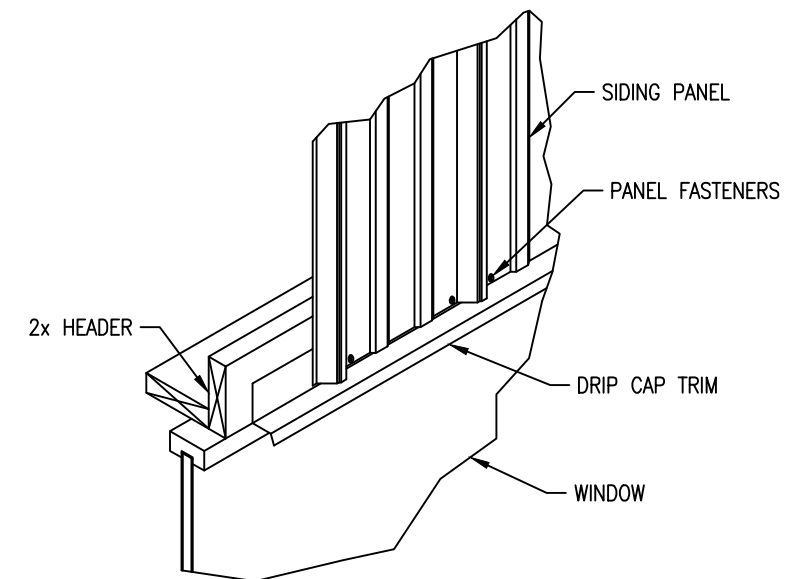
DOOR JAMB FLASHING
NOT TO SCALE



WINDOW JAMB FLASHING
NOT TO SCALE



BASE GUARD FLASHING
NOT TO SCALE



WINDOW / DOOR HEADER FLASHING
NOT TO SCALE

DETAIL SHEET

TRENT WANGSGARD BUILDING
HUNTSVILLE, UTAH

PROJECT
NS45

SCALE
AS NOTED

DATE
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SHEET
09