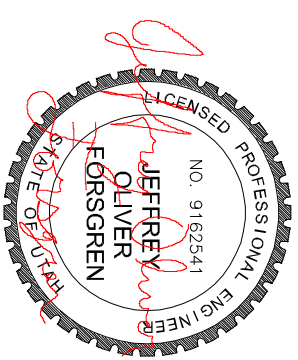
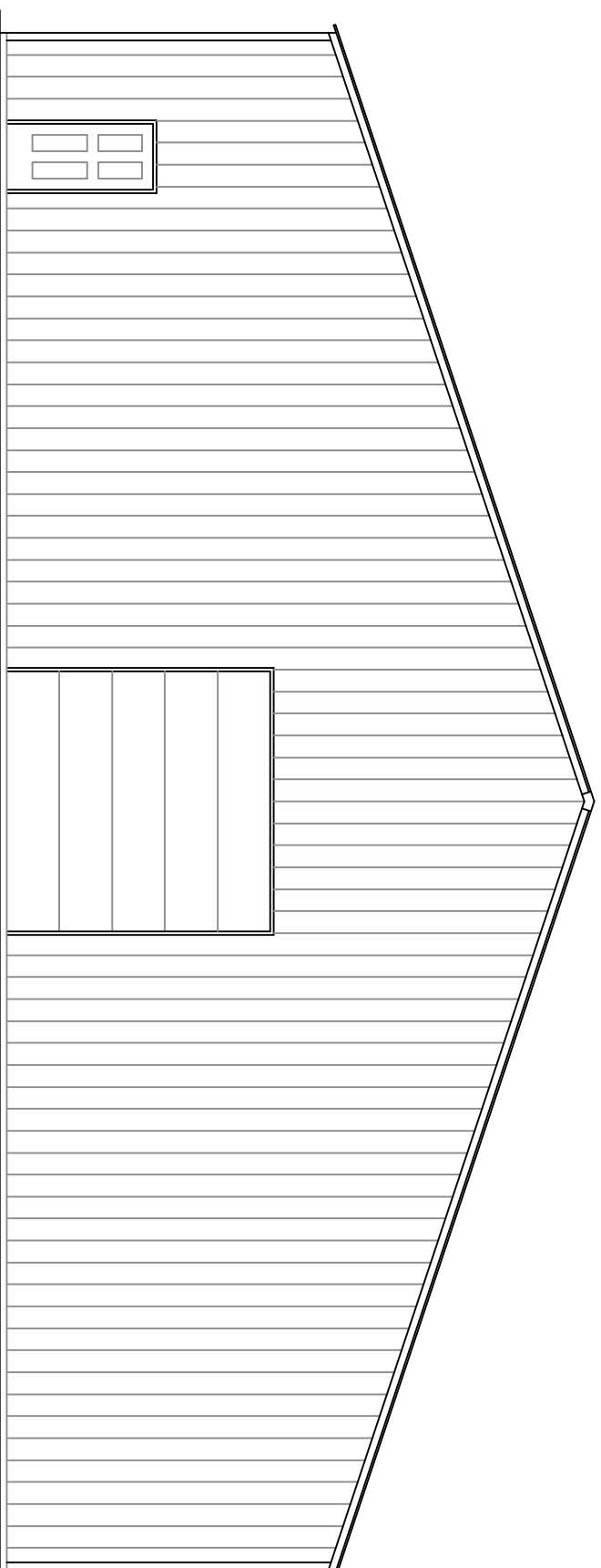


# BARN WERX

## GAMMON BUILDING



06 JUNE 2022

**PROJECT INFORMATION:**  
LYONEL GAMMON  
267 SOUTH 7900 WEST  
WEST WARREN, UTAH

**BUILDING INFORMATION:**  
MAIN BLDG DIM: 70'x120'  
MAIN BUILDING: 8400  
TOTAL SQ. FOOT: 8400

**DRAWING INDEX:**

- 00 COVER SHEET
- 01 FOUNDATION PLAN
- 02 FLOOR PLAN
- 03 ROOF PLAN
- 04 ELEVATIONS
- 05 GIRT WALL PLAN
- 06 PANEL LAYOUT
- 07 DETAILS
- 08 DETAILS
- 09 DETAILS

**GENERAL CONTRACTOR:**  
BARN WERX  
CONTACT: SCOTT SIMONSEN  
PHONE: 801-731-3226

**CONSULTING STRUCTURAL ENGINEER:**  
F3 ENGINEERING  
CONTACT: JEFF FORSGREN  
PHONE: 801-389-0157  
**DRAFTER:**  
LAKMAN DESIGNS  
CONTACT: TIM LAKMAN  
(801) 205-0382

DATE: 06/01/22

### CONC. FOUNDATION PIERS

SIZE (MINIMUM): 24" DIAMETER X 42" DEEP  
SEE FOOTING PLAN.  
REINFORCEMENT: NO PIER REINFORCEMENT.

### SOILS AND EXCAVATION NOTES

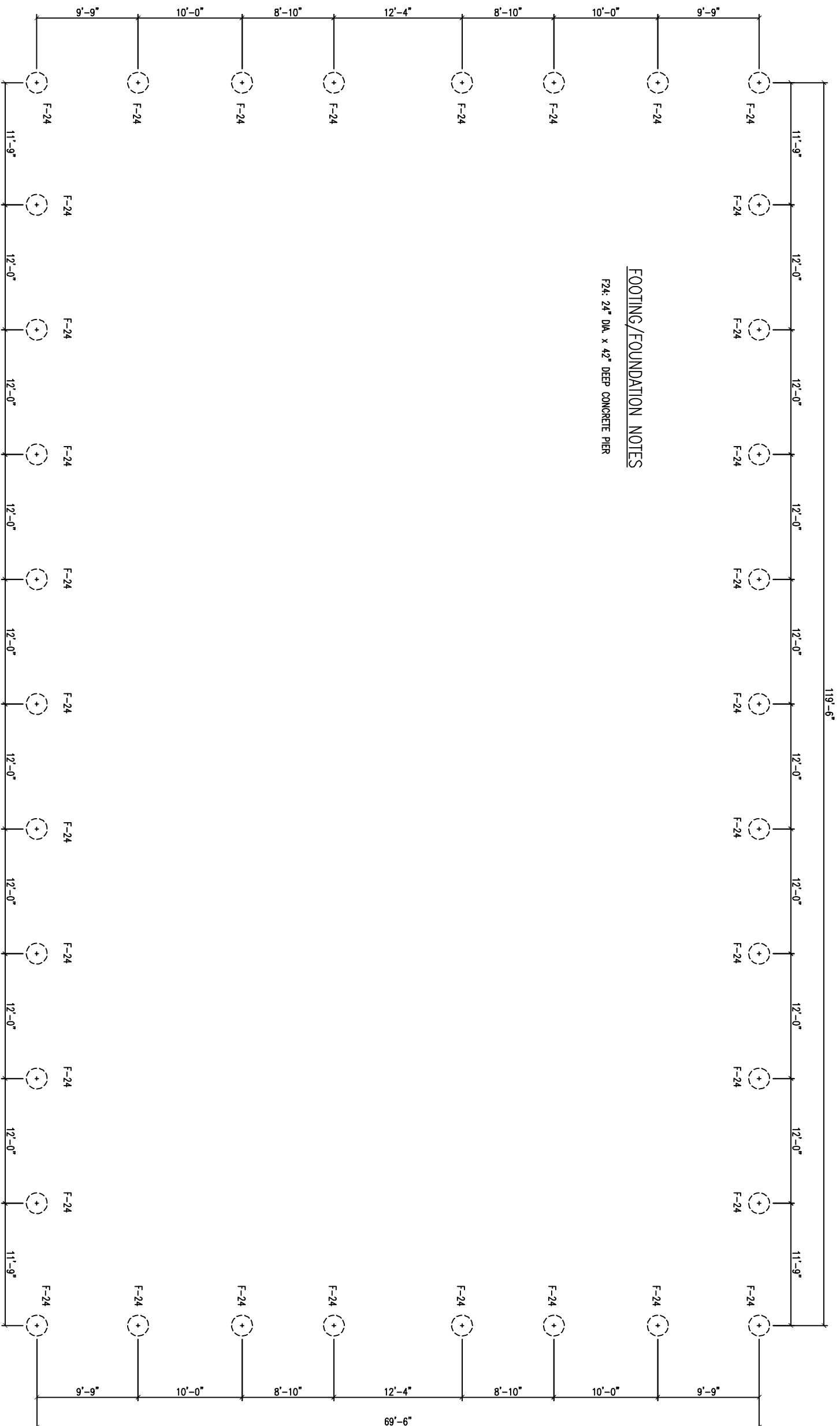
UNIFIED SOIL CLASSIFICATION. NO SOILS REPORT PROVIDED.  
STABLE SOIL CHARACTERISTICS ASSUMED.  
ALLOWABLE BEARING PRESSURE: 1500 PSF (ASSUMED)  
GEOLOGICAL HAZARDS FOUND ON OR AROUND THE SITE, INCLUDING EXPANSIVE CLAYS, OR SOILS FOUND AT THE SITE WHILE EXCAVATION OCCURS WHICH DIFFERS FROM THOSE ASSUMED SHOULD BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND ENGINEER.  
THE STRUCTURAL ENGINEER OF RECORD IS NOT RESPONSIBLE FOR DIFFERENTIAL FOOTING SETTLEMENT DUE TO INCONSISTANT OR UNSTABLE SOIL QUALITY.

### CONCRETE AND REINFORCEMENT NOTES

- CONCRETE MIN. 28 DAY STRENGTH (F'c) W/ NORMAL 145 PCF DENSITY:  
1. FOOTINGS: 3000 PSI
- SLABS ON GRADE: 3500 PSI REQUIRED (4000 PSI RECOMMENDED)  
ALL SLABS PROVIDE A MIN. THICKNESS OF 4" W/ 4" DEEP MIN. CRUSHED GRAVEL BASE. PROVIDE 1" DEEP CONTRACTION / CONSTRUCTION JOINTS NO FURTHER THAN 10' APART IN ANY DIRECTION.

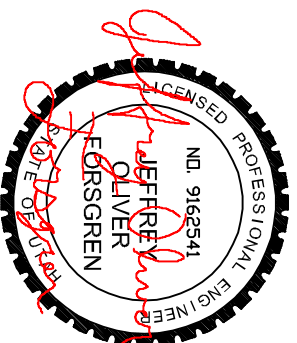
### DESIGN CRITERIA

- GOVERNING CODE: 2018 IBC, ASCE 7  
RISK CATEGORY: I
- LIVE LOADS:  
1. SNOW LOAD:  
GROUND P<sub>g</sub> 43 PSF  
ROOF P<sub>g</sub> 30 PSF + DRIFT  
P<sub>t</sub>: 0.80 C<sub>e</sub>: 1.0  
C<sub>e</sub>: 1.1 I: 0.8
2. WIND:  
DESIGN SPEED: 120 MPH, 3 SEC. GUST  
EXPOSURE: C
3. SEISMIC:  
SQC: D R: 1.5 OR 7.0 (SW) I: 1.0  
Site: 1.22  
S<sub>m</sub>: 0.84  
S<sub>0.8</sub>: 0.81
4. SOIL BEARING:  
ALLOWABLE PRESSURE ON NATIVE SOIL:  
1500 PSF (ASSUMED)
5. DEAD LOADS:  
ROOF 3 PSF  
FLOOR 10 PSF  
WALL 3 PSF  
CONCRETE 145 PCF (FTGS, FOUND, ETC)
- FORCE RESISTING SYSTEM:  
CANTILEVERED POSTS OR WOOD SHEAR WALL  
W/ CORR. METAL SHEATHING  
ANALYSIS PROCEDURE:  
SIMPLIFIED (IBC 12.14.6)



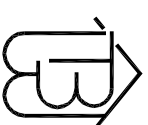
**FOOTING/FOUNDATION NOTES**

F24: 24" DIA. x 42" DEEP CONCRETE PIER



06 JUNE 2022

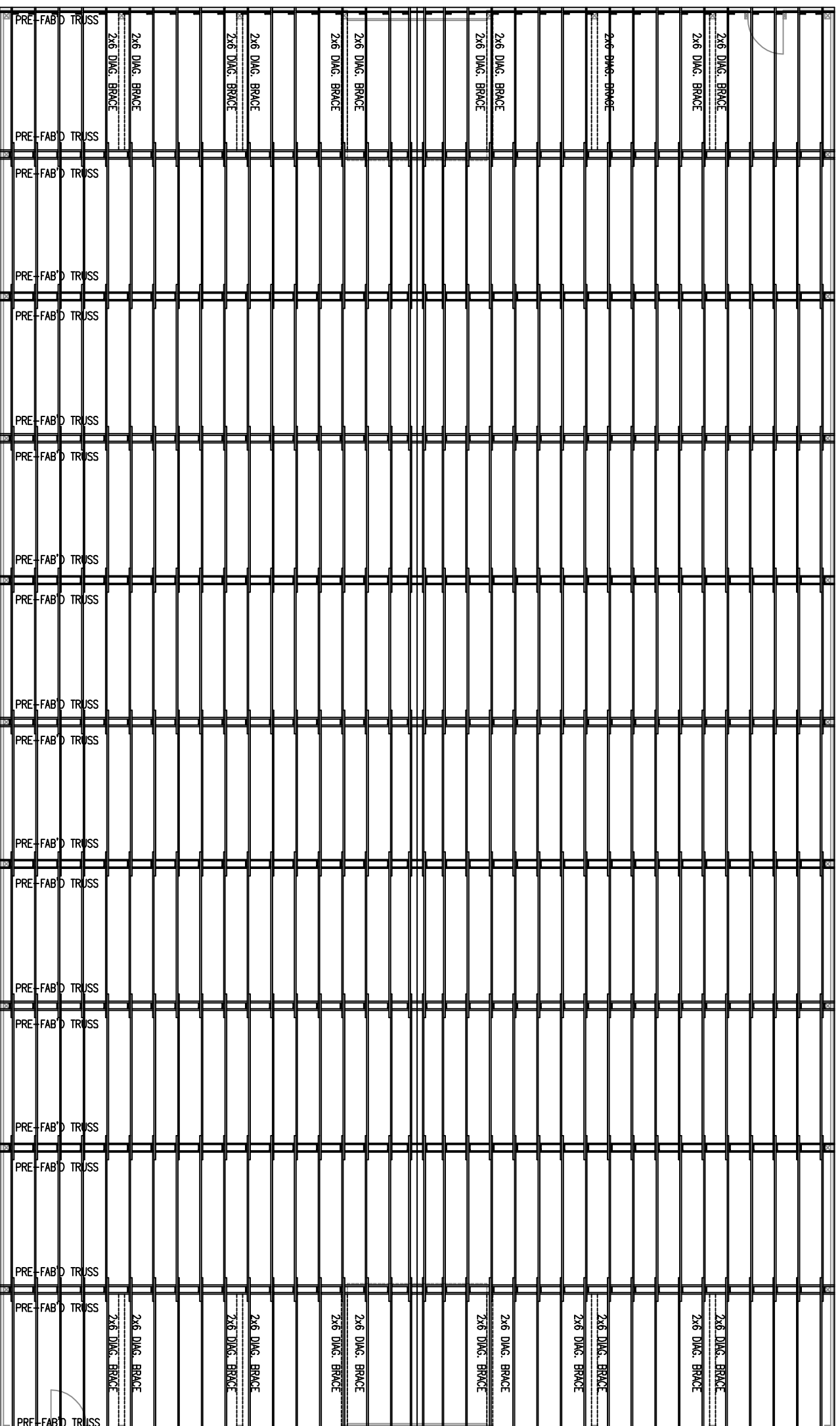
**BARN WERX**



CLIENT INFO: LYONEL GAMMON  
267 SOUTH 7900 WEST  
WEST WARREN, UTAH

SHEET: 01





**ROOF PLAN**

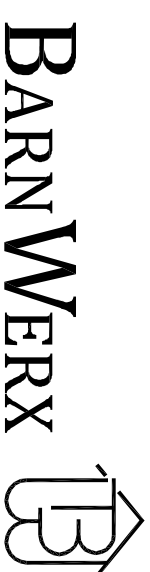
**ROOF FRAMING NOTES:**

4:12 ROOF PITCH

PURLINS: 2x6 DF-1, #2 AT 24" ON CENTER  
OVERLAPPED 10" MIN. STARTING  
5" MAX. FROM RIDGE LINE

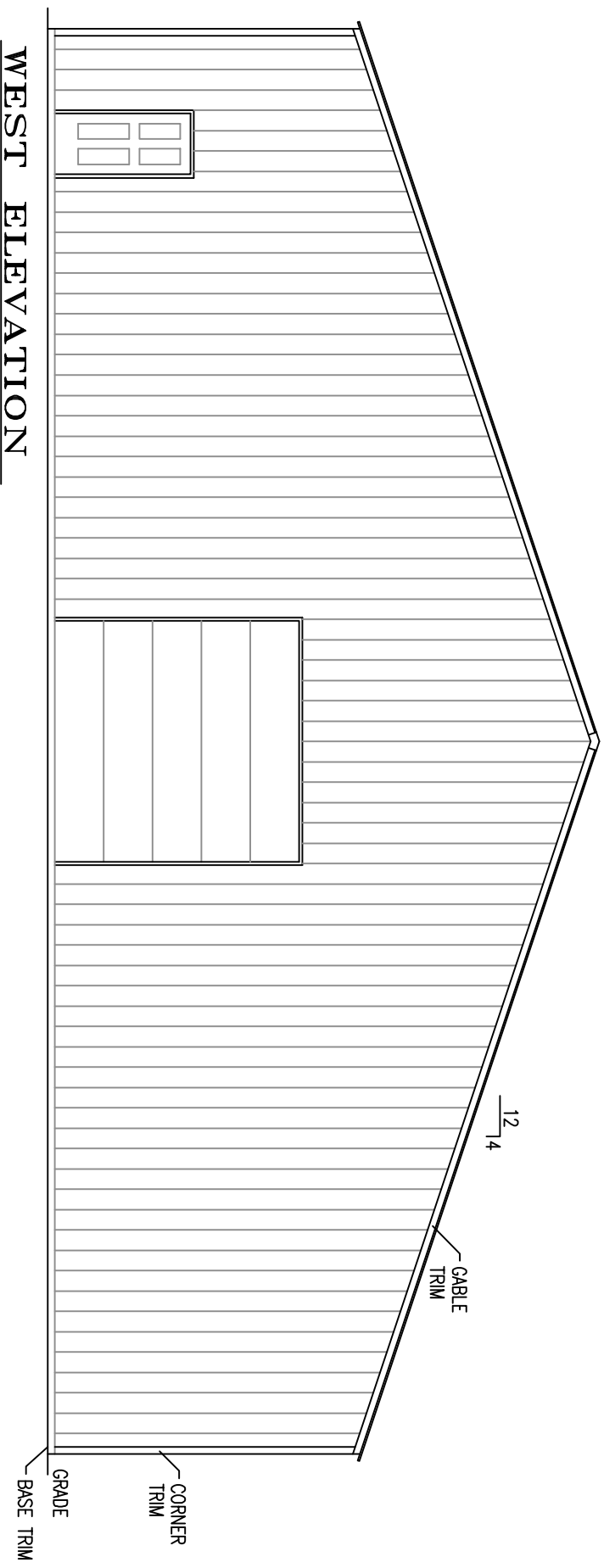


06 JUNE 2022

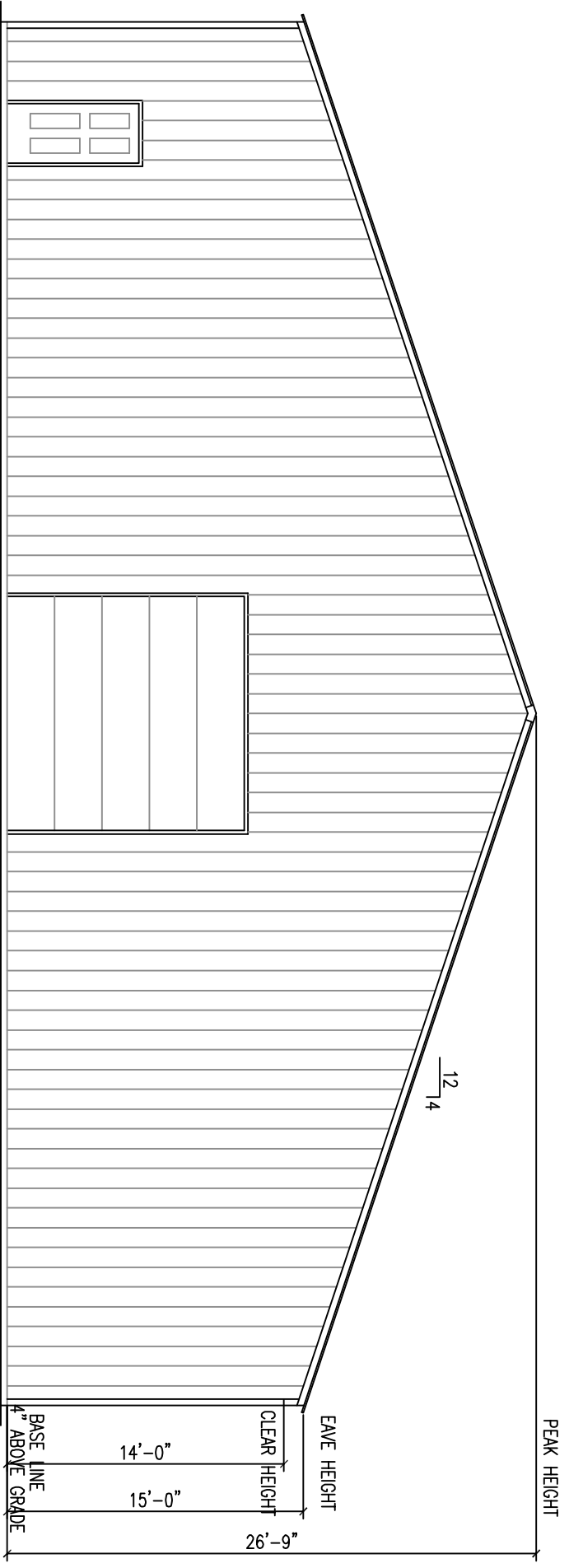


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267 SOUTH 7900 WEST  
WEST WARREN, UTAH

SHEET: 03



WEST ELEVATION



EAST ELEVATION

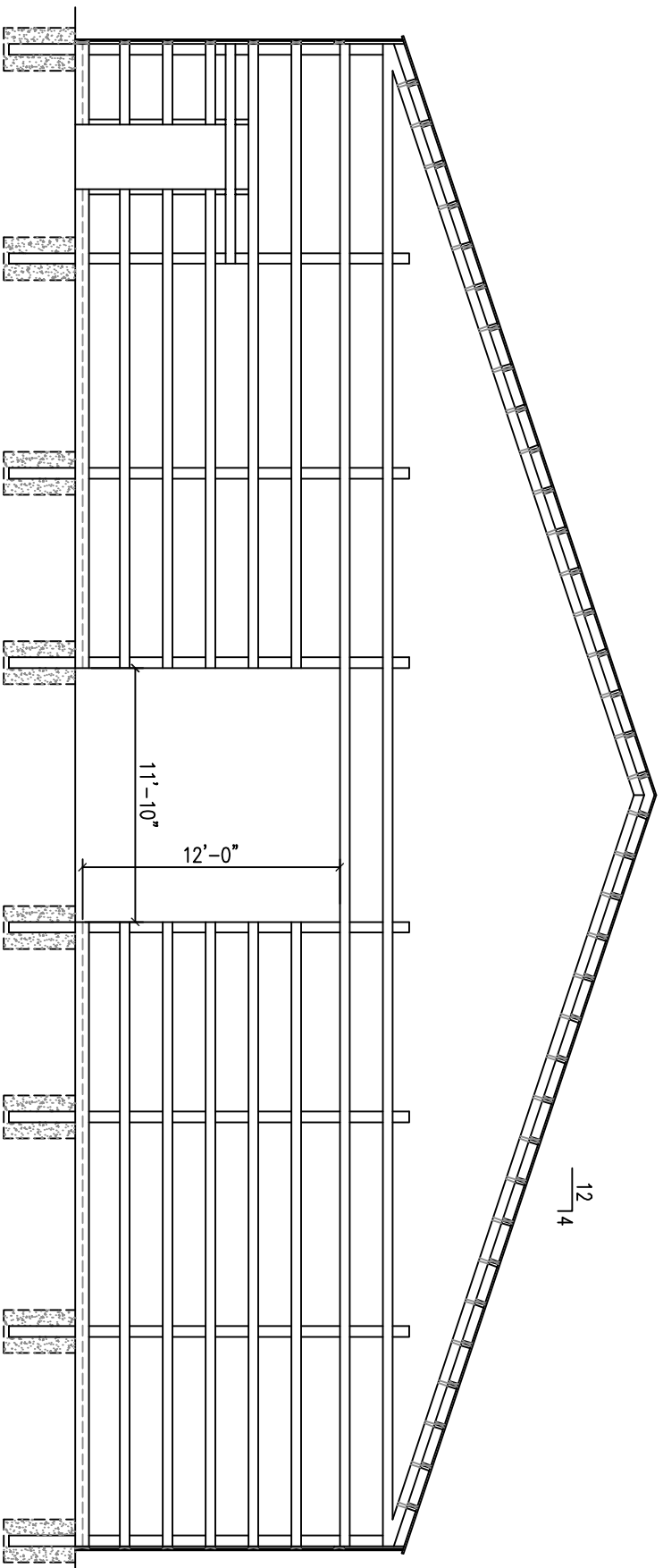


CLIENT INFO: LYONEL GAMMON  
 267 SOUTH 7900 WEST  
 WEST WARREN, UTAH

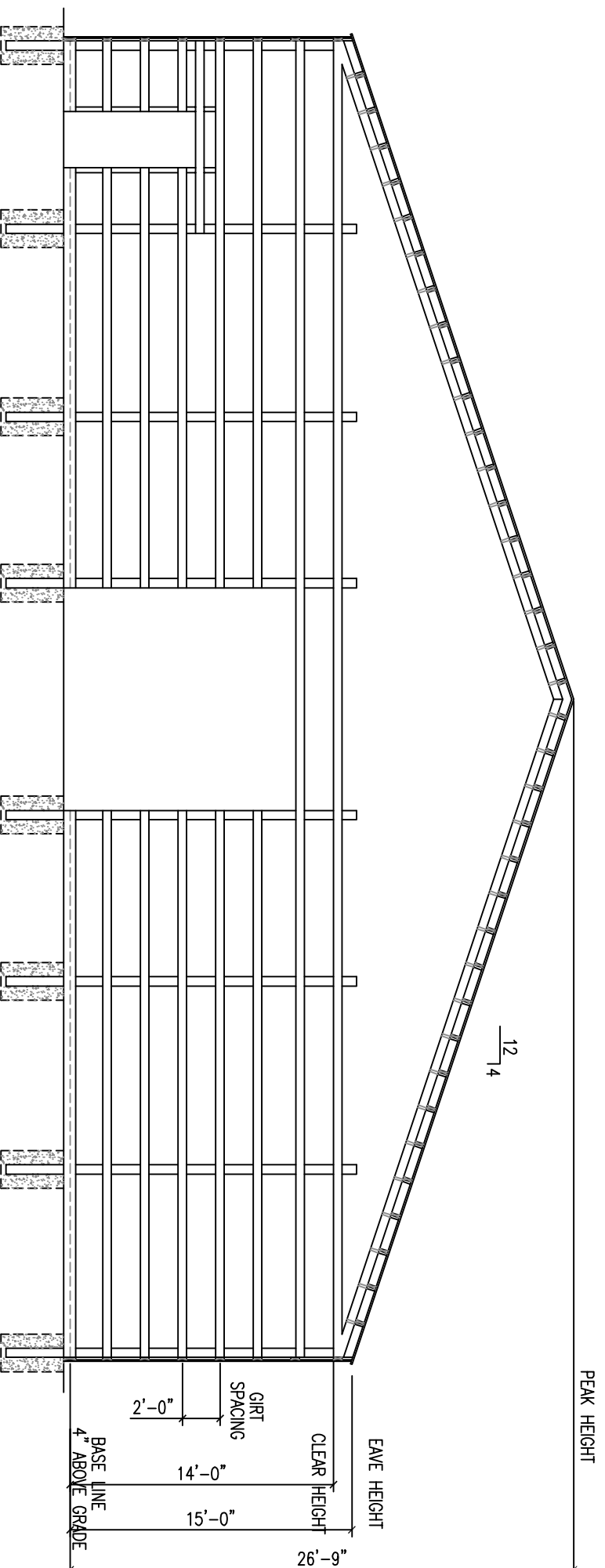
SHEET:

04A





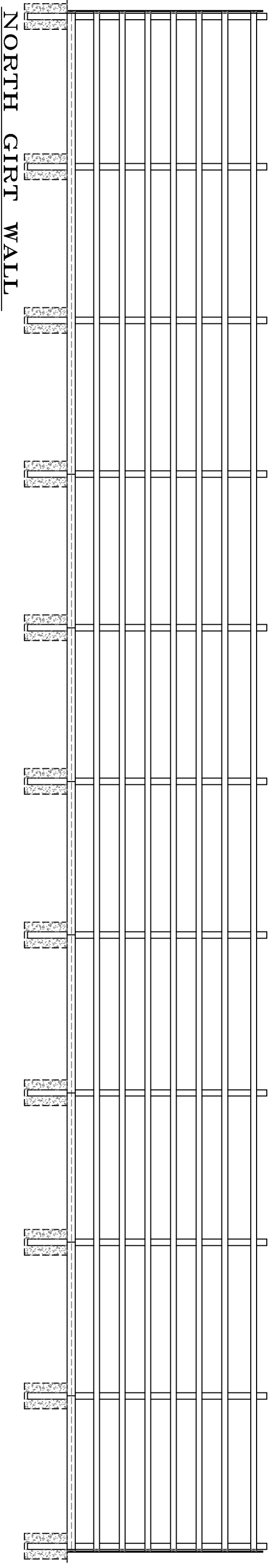
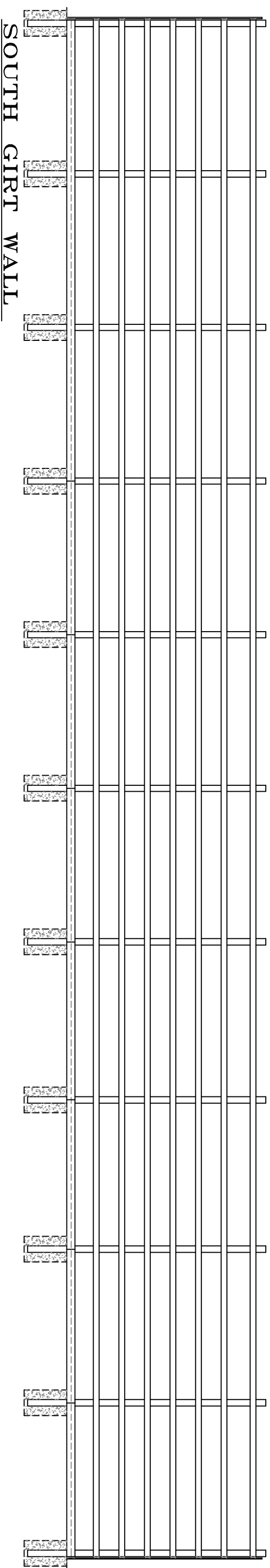
WEST GIRT WALL



EAST GIRT WALL

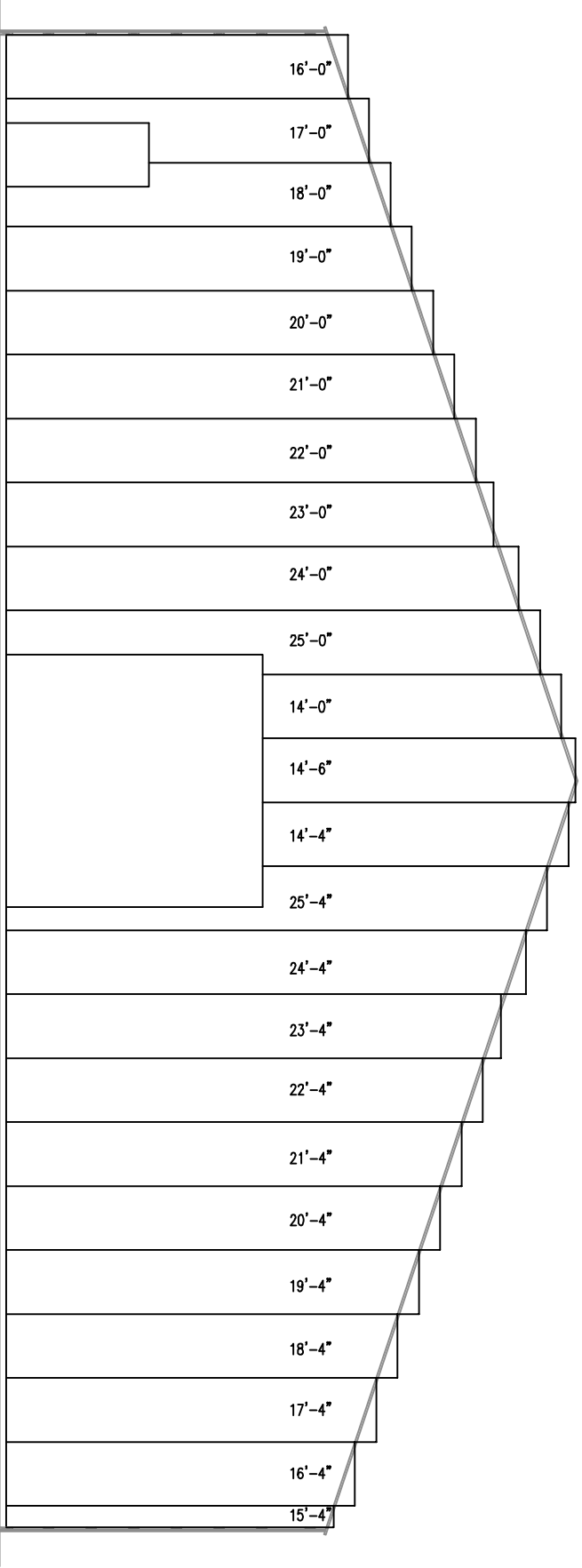
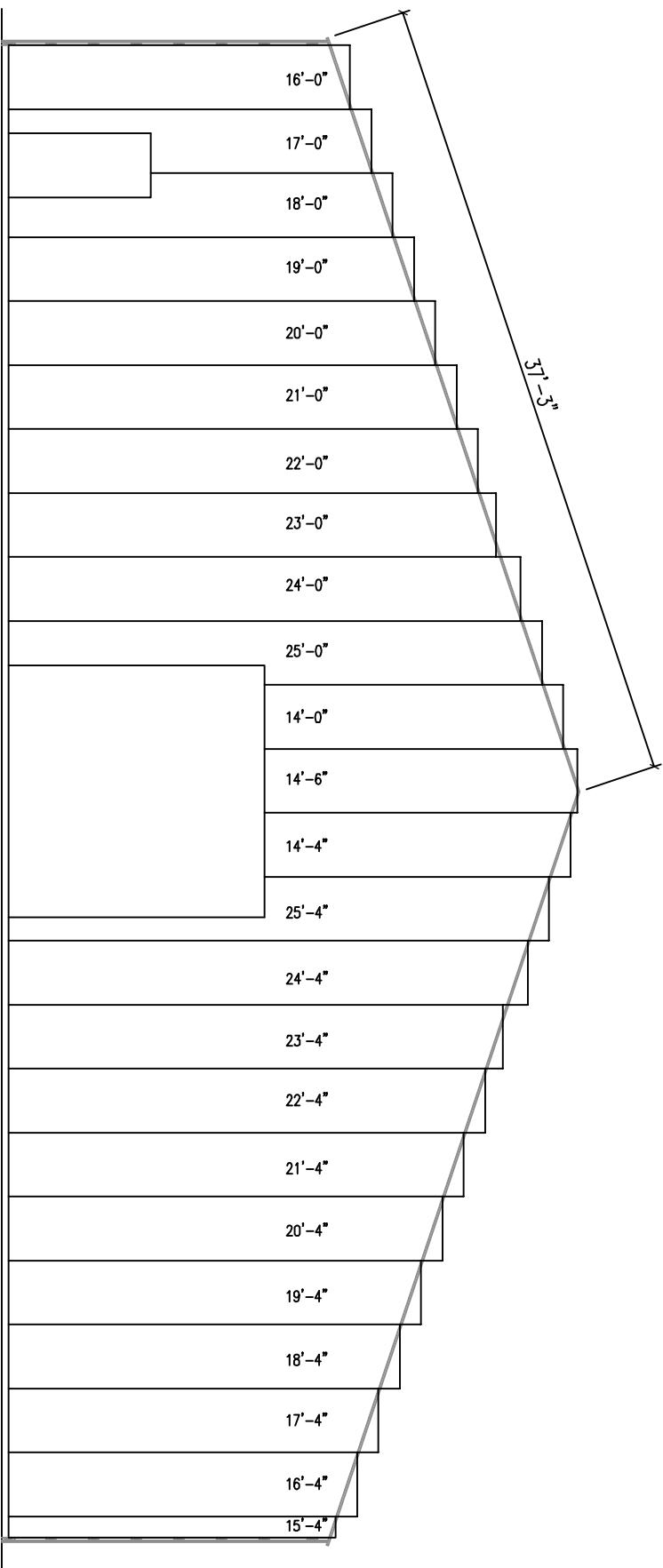
**BARN WERX** 

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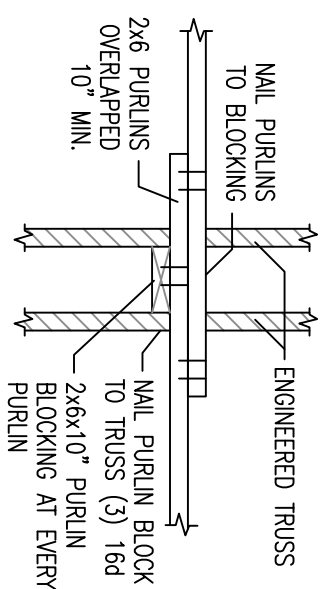




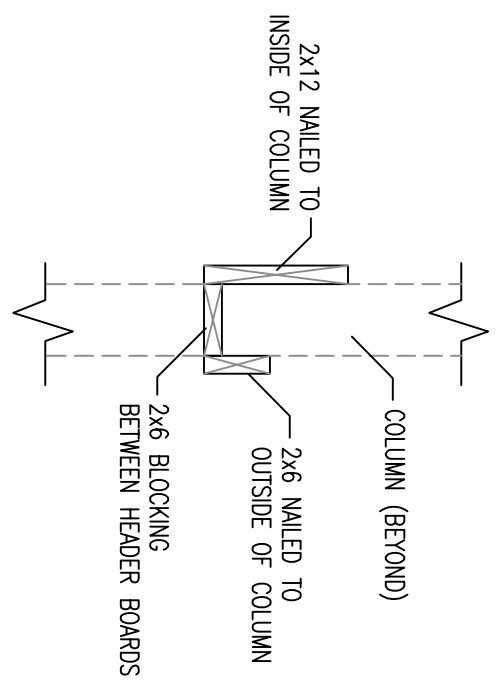
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WEST WARREN, UTAH

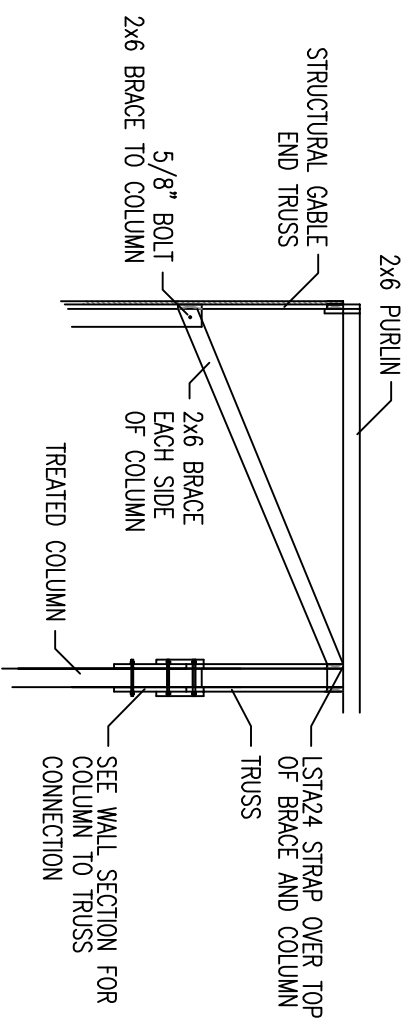




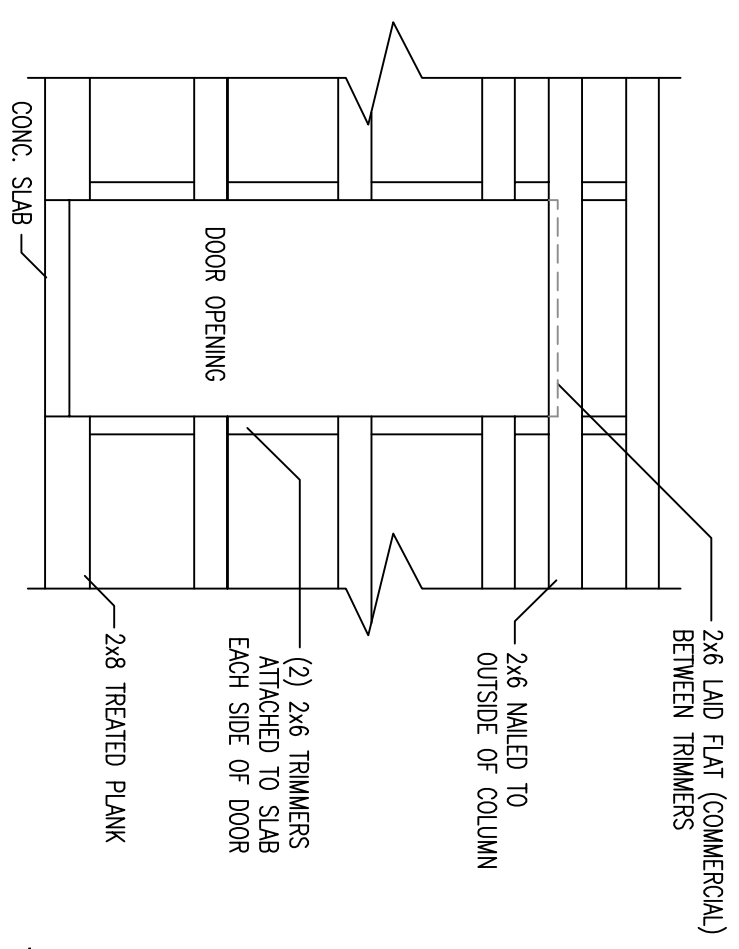
TYPICAL PURLIN CONNECTION  
N.T.S.



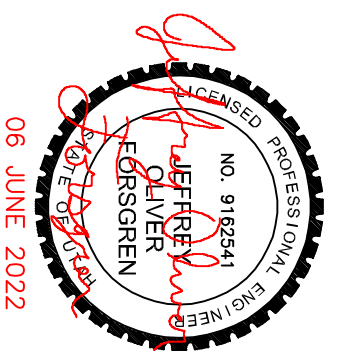
O.H. DOOR HEADER  
N.T.S.



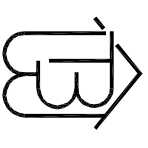
COLUMN TO TRUSS BRACE  
N.T.S.



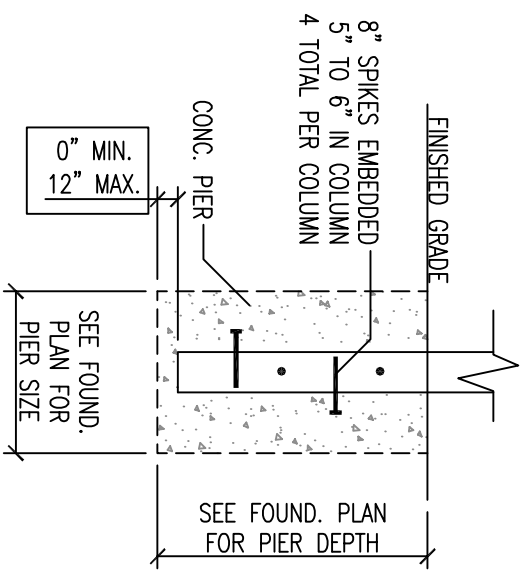
MAN DOOR OPENING  
N.T.S.



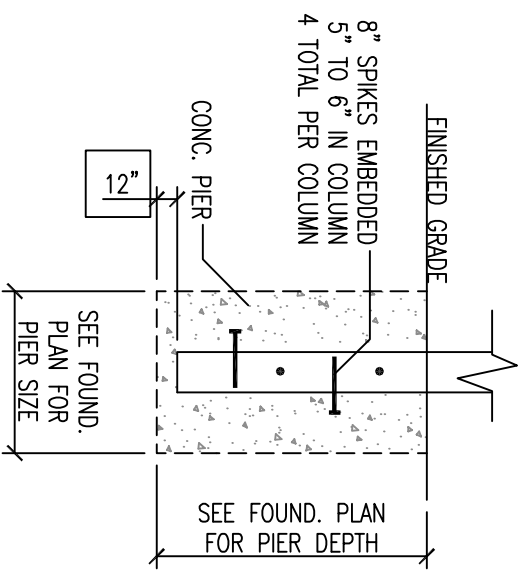
**BARN WERX**



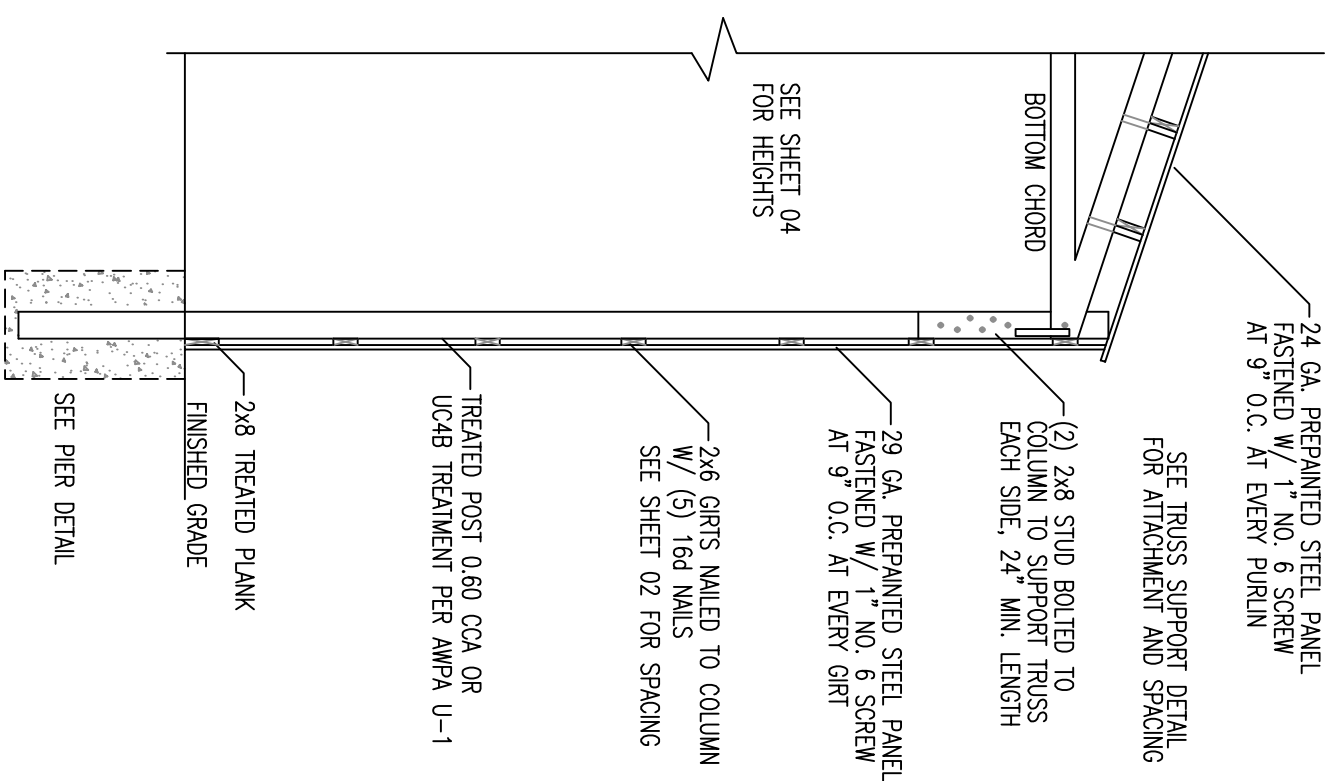
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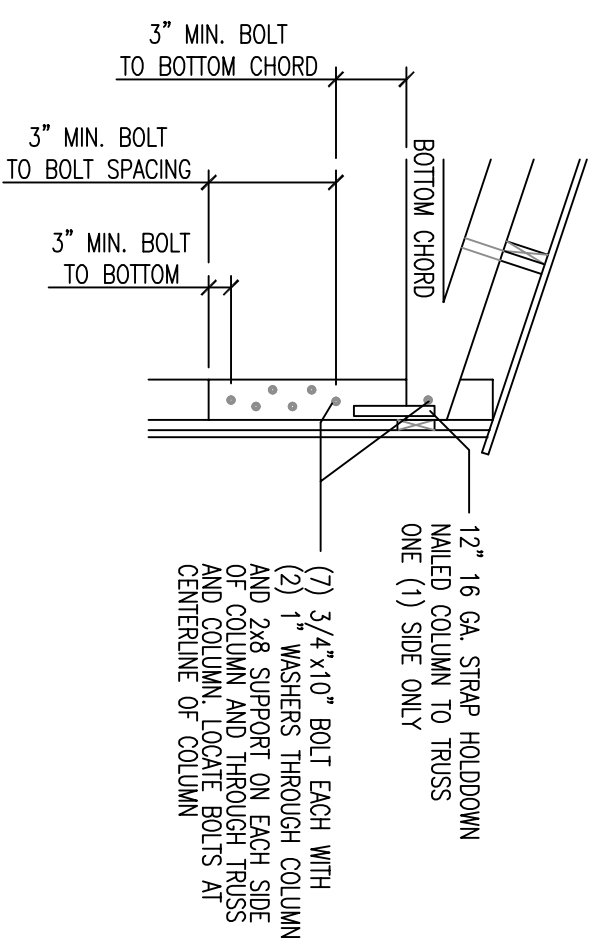
24" PIER DETAIL (TYPICAL)  
N.I.S.



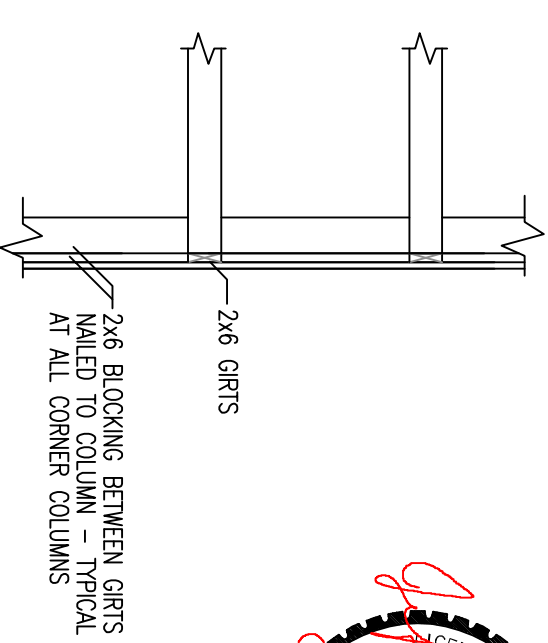
30" PIER DETAIL (TYPICAL)  
N.I.S.



TYPICAL WALL SECTION  
N.I.S.



TRUSS SUPPORT TO POST DETAIL  
N.I.S.

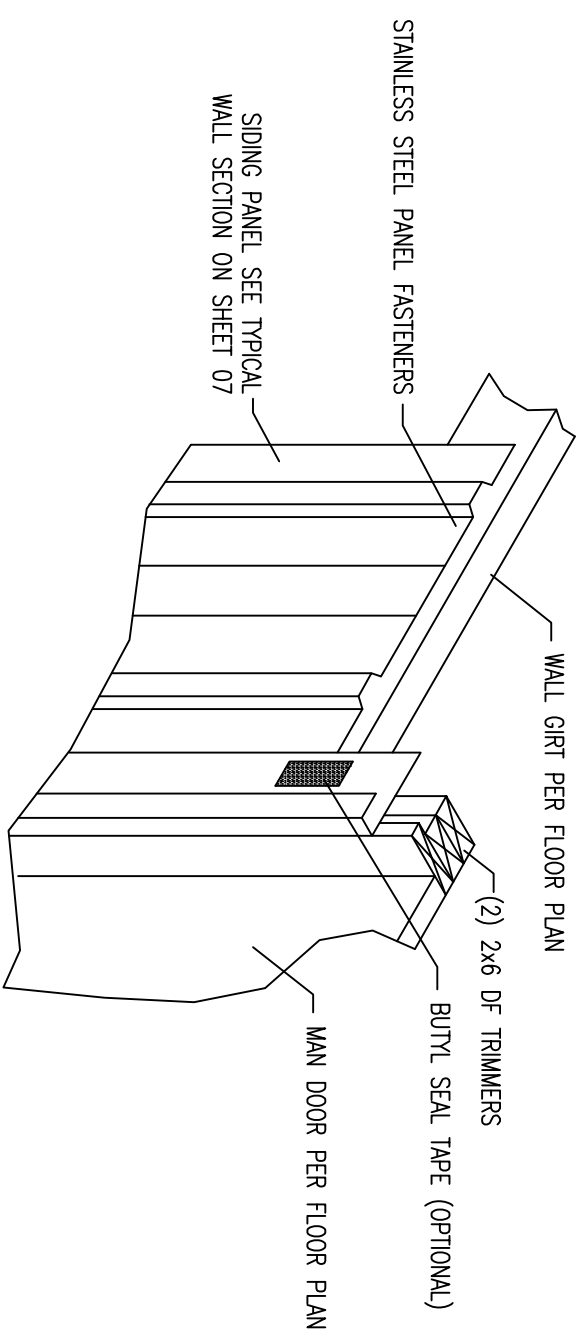


CORNER BLOCKING DETAIL  
N.I.S.

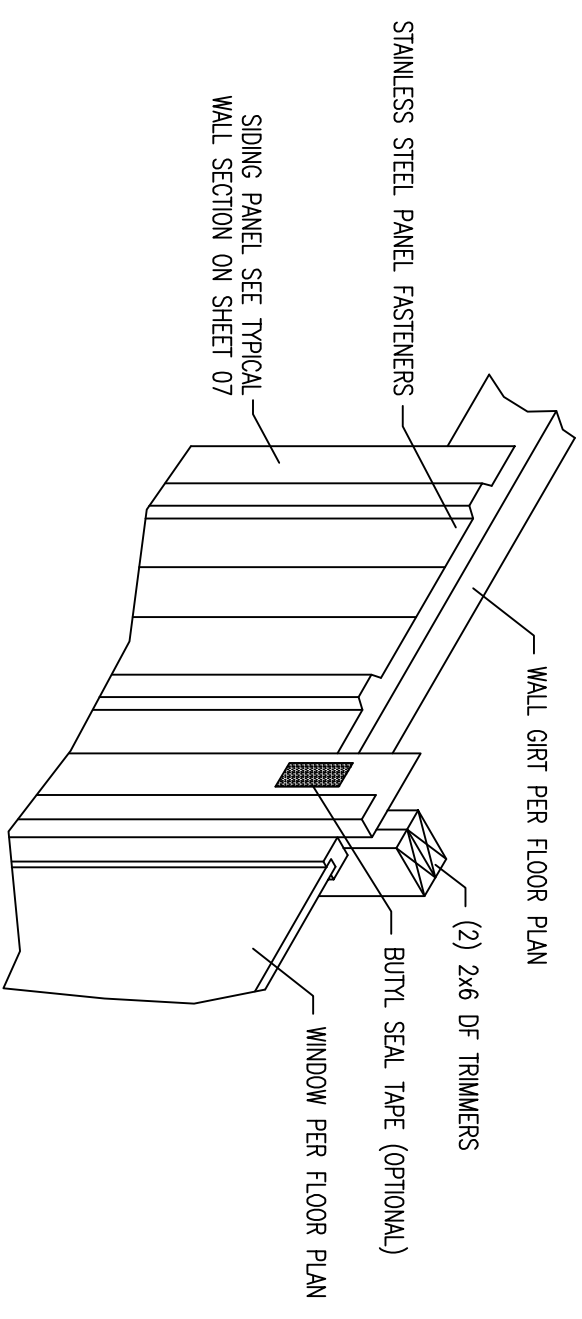


**BARN WERX**

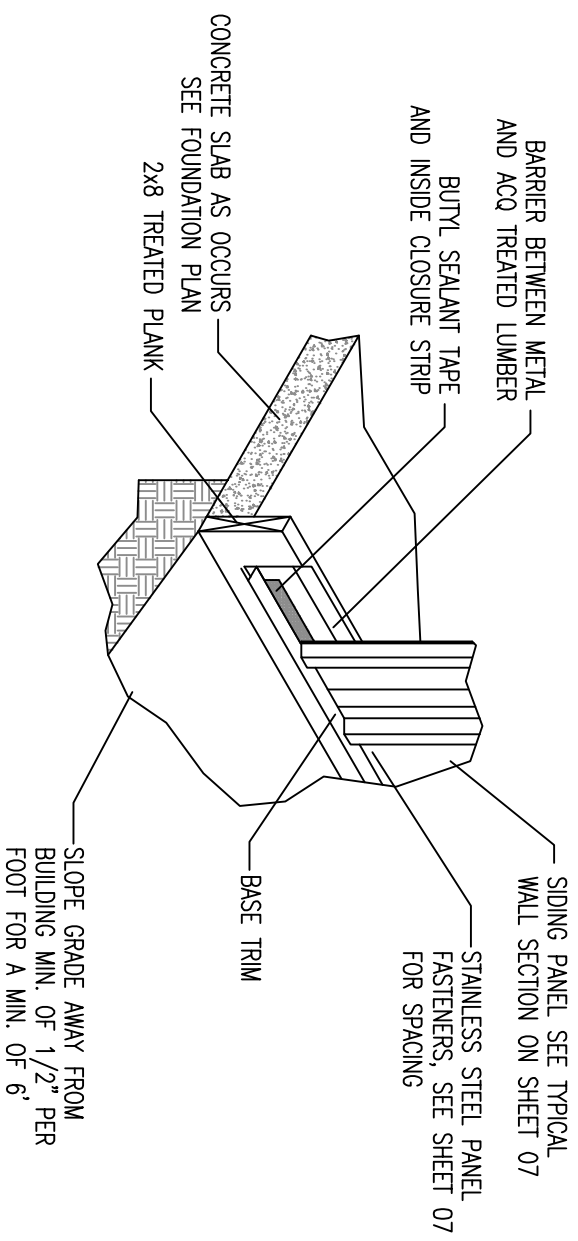
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WEST WARREN, UTAH



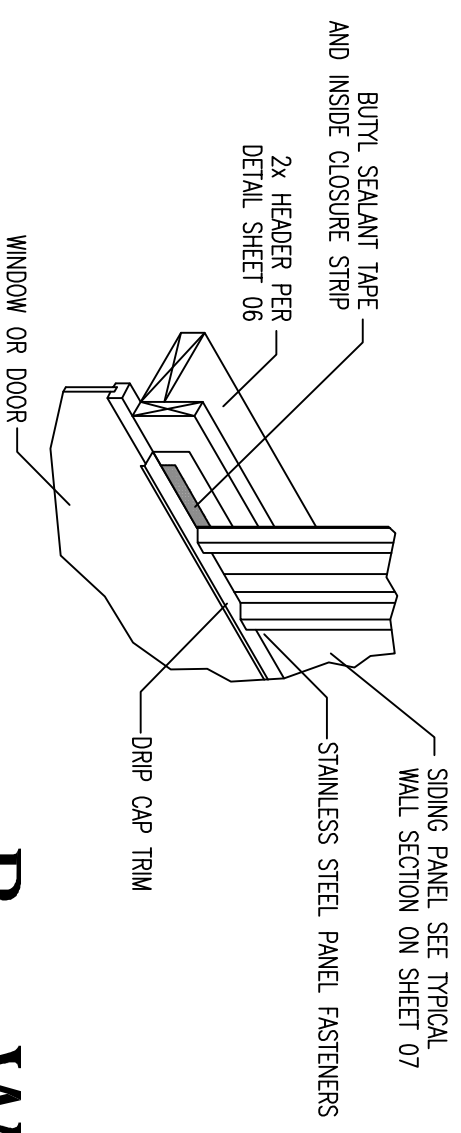
MAN DOOR JAMB FLASHING  
N.T.S.



WINDOW JAMB FLASHING  
N.T.S.



BASE GUARD FLASHING  
N.T.S.



WINDOW/DOOR HEADER FLASHING  
N.T.S.



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