

DESIGN ACCORDING TO THE 2015 IBC.  
FOR SPECIFICATIONS NOT SHOWN REFER TO THE 2015 IBC.

DESIGN CATEGORY:  
RISK CATEGORY I – AGRICULTURAL/MINOR STORAGE

SEISMIC CRITERIA:  
DESIGN CATEGORY D  
SOIL SITE CLASS D (ASSUMED)  
R = 2.5 (LIGHT-FRAME WALLS WITH SHEAR PANELS OF ALL OTHER MATERIALS)  
SS= 1.17g, S1= 0.39g; SDS= 0.80g, SD1= 0.42g  
ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE  
BASE SHEAR= 9745 LBS

WIND LOAD:  
ULTIMATE WIND DESIGN SPEED: 105 MPH 3 SEC. GUST  
(RISK CATEGORY I, 2015 IBC FIGURE 1609.3(3))  
TERRAIN EXPOSURE C

SNOW LOAD:  
SITE ELEVATION: 4260 FT  
GROUND SNOW LOAD: 43 PSF  
ROOF DESIGN SNOW LOAD: 30 PSF

DEAD LOADS:  
ROOF STRUCTURE 4 PSF  
WALLS 4 PSF  
ROOF LIVE LOAD: 20 PSF  
FROST DEPTH: 30 IN

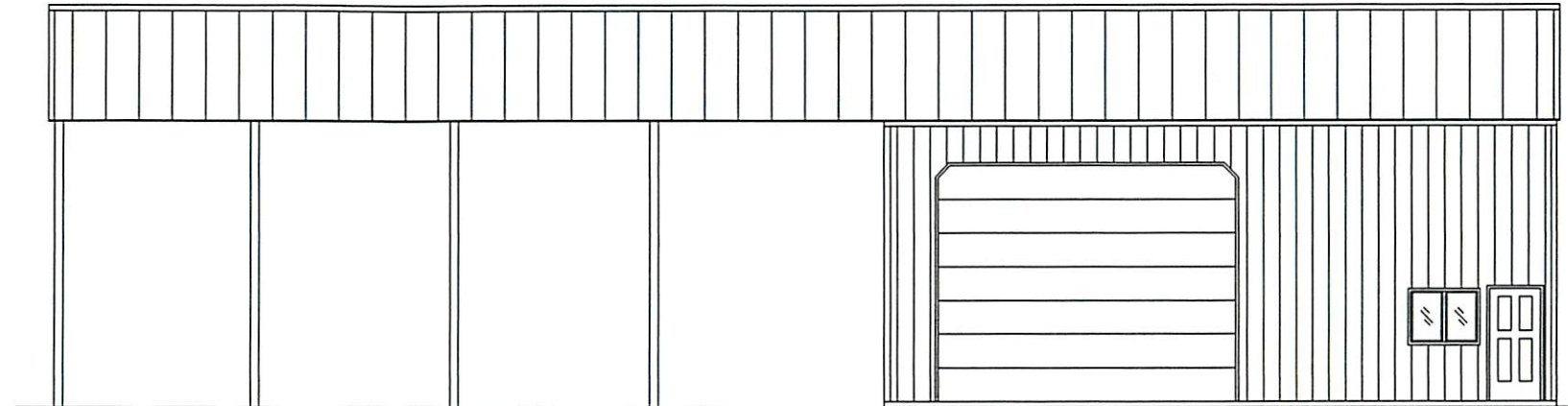
- CONCRETE FOUNDATION NOTES:
- 28 DAY STRENGTH (F'C) W/ NORMAL 145 PCF DENSITY: FOOTINGS: 2500 PSI
  - SLABS ON GRADE: 2500 PSI REQUIRED, 3500 PSI RECOMMEND
  - ALL SLABS: PROVIDE A MIN. THICKNESS OF 4" W/ 4" DEEP MIN. CRUSHED GRAVEL BASE.
  - CONTRACTION/CONTROL JOINTS SHALL BE INSTALLED IN SLABS ON 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.
  - CONTROL JOINTS SHALL BE COMPLETED WITHIN 6-18 HOURS OF CONCRETE PLACEMENT.
  - CONTROL JOINTS SHALL BE TOOLED OR SAWED TO THE GREATER DEPTH OF 1" DEEP OR 1/4 THICKNESS OF CONCRETE SLAB.

- SOILS AND EXCAVATION:
- 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.
  - ALLOWABLE BEARING PRESSURE: 1500 PSF
  - NATIVE MATERIAL SURROUNDING FOOTING TO BE DISTURBED MINIMALLY DURING EXCAVATION.
  - 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
- 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.

# ROPER BUILDINGS

## BREN EDWARDS BUILDING



### BUILDING INFORMATION

SITE INFORMATION:  
ADDRESS:  
4301 W 3300 S  
WEST HAVEN, UTAH

BUILDING INFORMATION:  
DIMENSIONS: 40' x 90'  
TOTAL SQUARE FOOTAGE: 3600 S.F.  
ENCLOSED: 1600 S.F.  
OPEN: 2000 S.F.

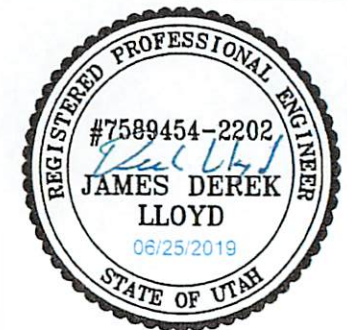
### CONTACTS

CONTRACTOR:  
ROPER BUILDINGS  
CONTACT: DAN SCARBOROUGH  
PHONE: 801-689-3630

DRAFTING AND ENGINEERING:  
  
CONTACT: DEREK LLOYD  
DEREK@MOUNTAINPOINTENGINEERING.COM  
PHONE: 801-450-5332

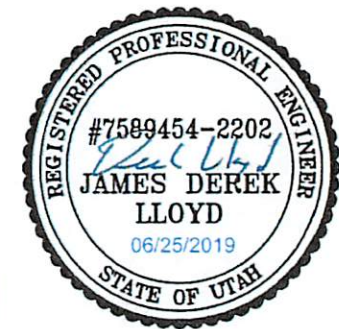
### DRAWING INDEX

SHEET	DESCRIPTION
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02	FLOOR PLAN
03	ROOF PLAN
04	GIRT PLAN
05	ELEVATIONS
06	PANEL LAYOUT
07	DETAIL SHEET
08	DETAIL SHEET
09	DETAIL SHEET



ENGINEER STAMP

DATE  
**06/25/2019**



ENGINEER STAMP

MOUNTAIN POINT  
ENGINEERING

FOUNDATION PLAN

BREN EDWARDS BUILDING

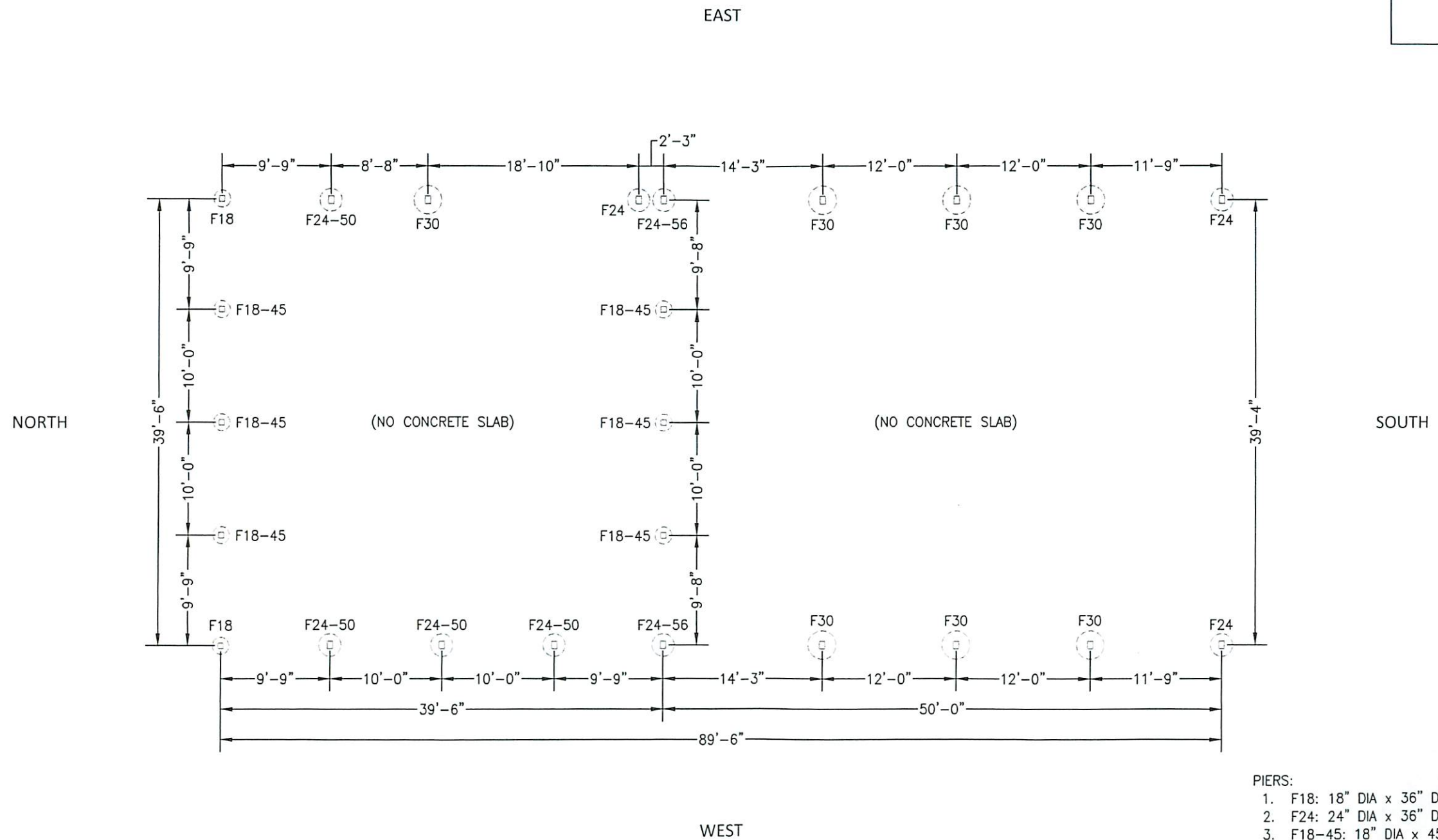
WEST HAVEN, UTAH

PROJECT  
R110

SCALE  
3/32" = 1'-0"

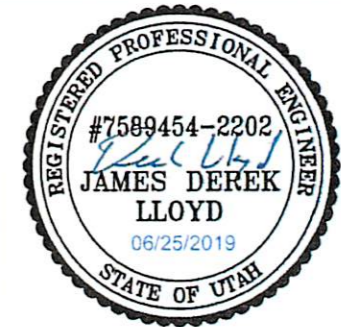
DATE  
06/25/2019

SHEET  
01



PIERS:

1. F18: 18" DIA x 36" DEEP CONCRETE PIER
2. F24: 24" DIA x 36" DEEP CONCRETE PIER
3. F18-45: 18" DIA x 45" DEEP CONCRETE PIER
4. F24-50: 24" DIA x 50" DEEP CONCRETE PIER
5. F24-56: 24" DIA x 56" DEEP CONCRETE PIER
6. F30: 30" DIA x 36" DEEP CONCRETE PIER



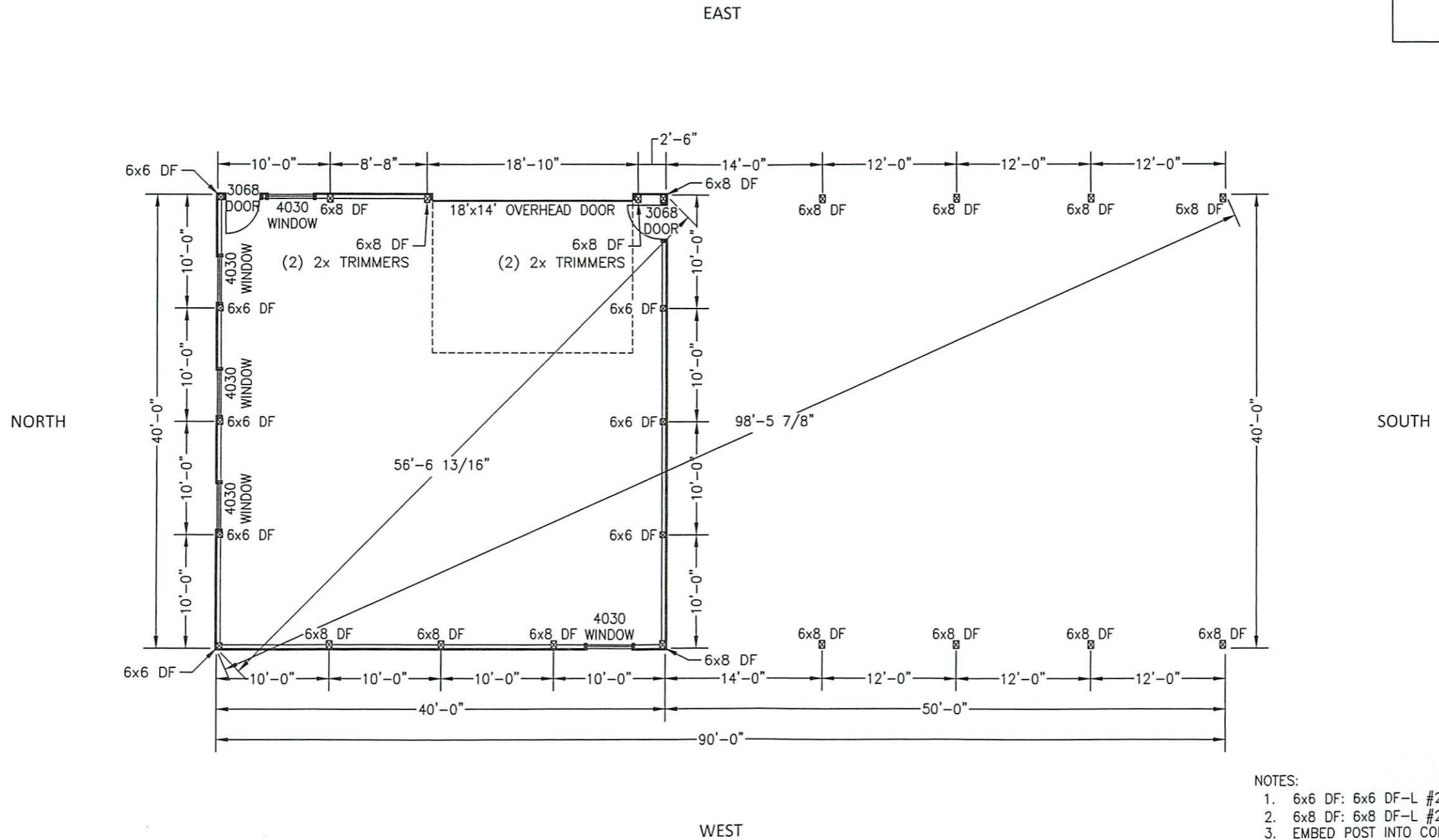
ENGINEER STAMP

MOUNTAIN POINT  
ENGINEERING

FLOOR PLAN

BREN EDWARDS BUILDING

WEST HAVEN, UTAH



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: COMMERCIAL GIRTS, 29 GA STEEL PANEL

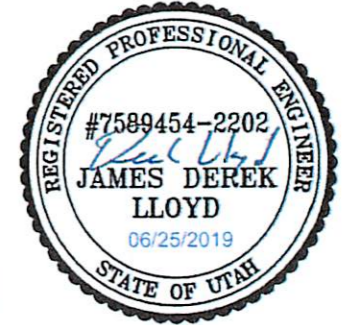
BUILDING INSULATION  
ROOF: R19  
WALLS: R19

PROJECT  
R110

SCALE  
3/32" = 1'-0"

DATE  
06/25/2019

SHEET  
02



ENGINEER STAMP

MOUNTAIN POINT  
ENGINEERING

ROOF FRAMING PLAN

BREN EDWARDS BUILDING

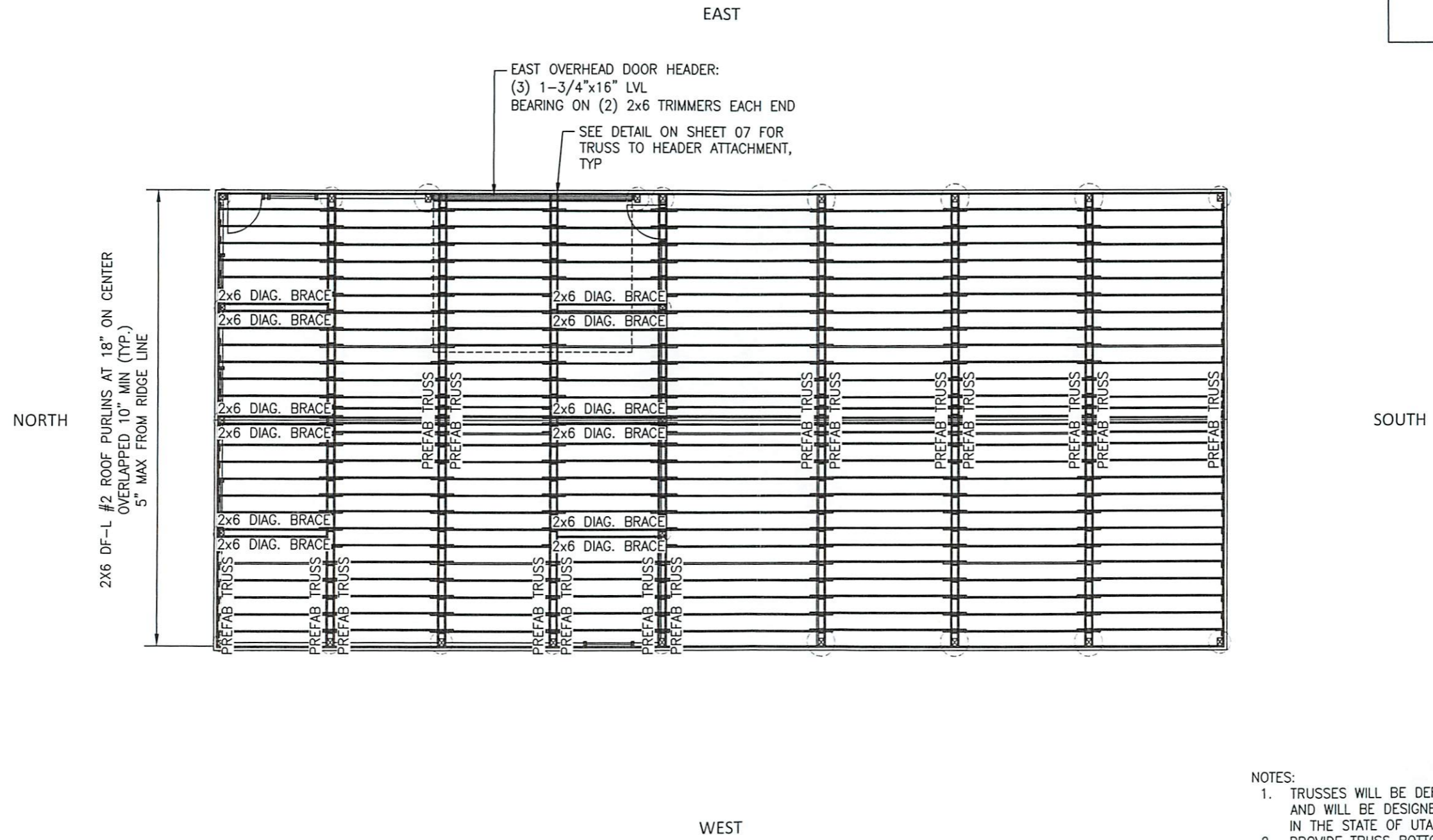
WEST HAVEN, UTAH

PROJECT  
R110

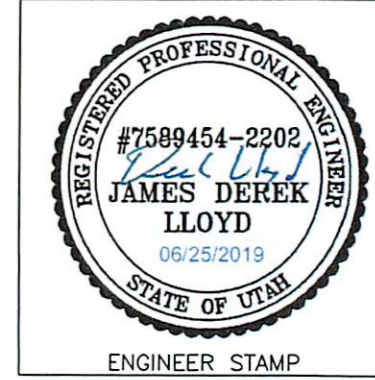
SCALE  
3/32" = 1'-0"

DATE  
06/25/2019

SHEET  
03



- 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.



MOUNTAIN POINT  
ENGINEERING

GIRT PLAN

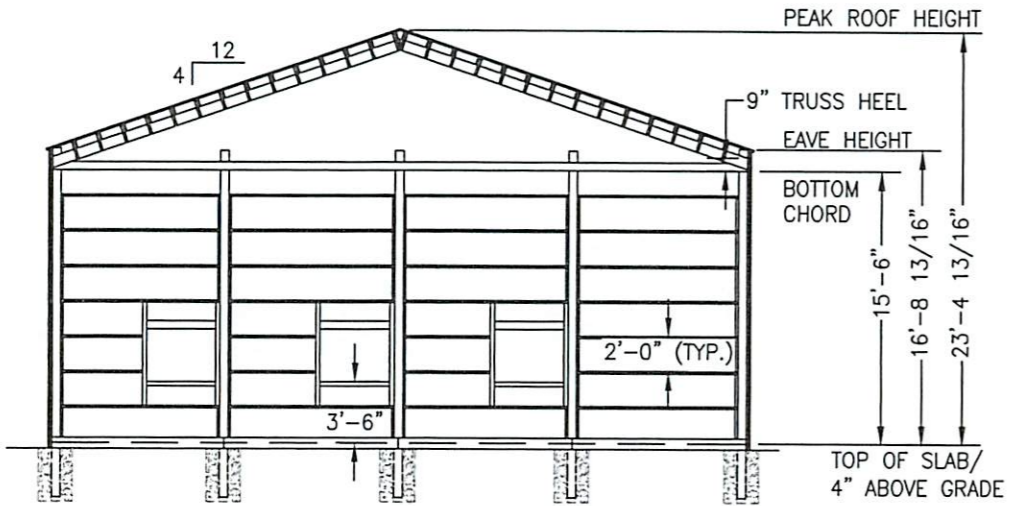
BREN EDWARDS BUILDING  
WEST HAVEN, UTAH

PROJECT  
R110

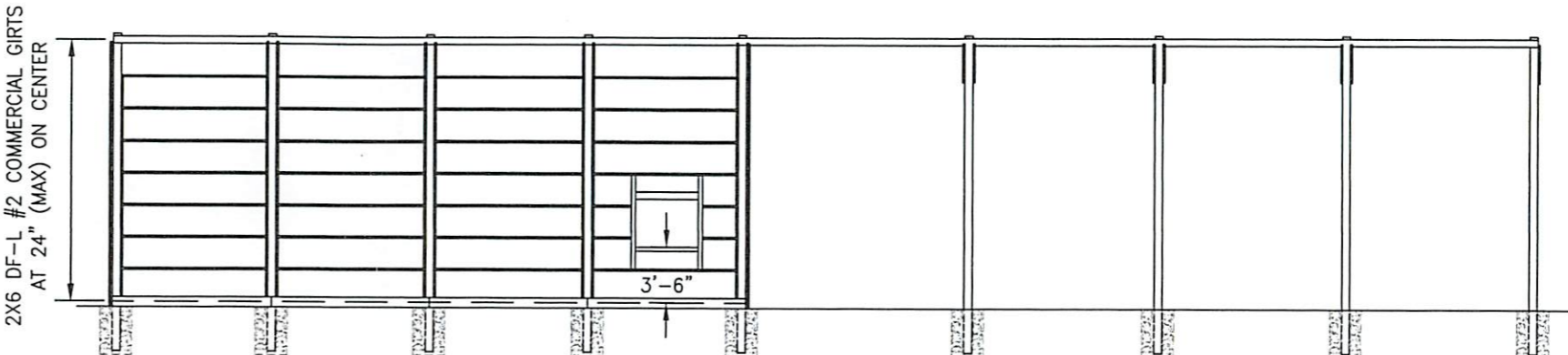
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3/32" = 1'-0"

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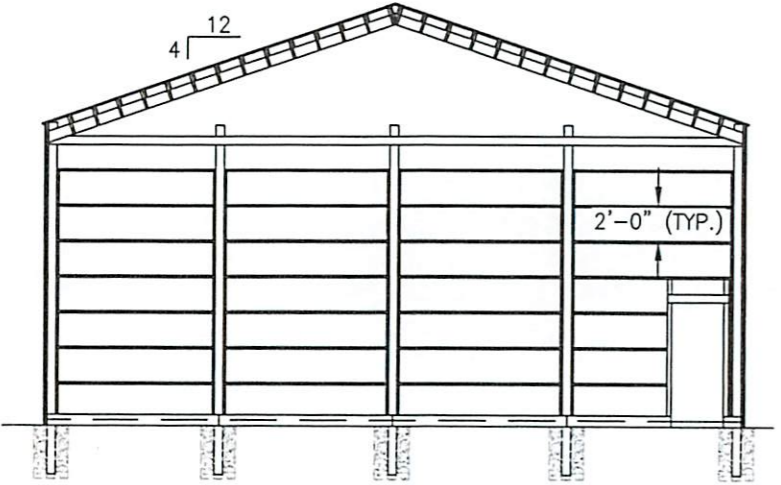
SHEET  
04



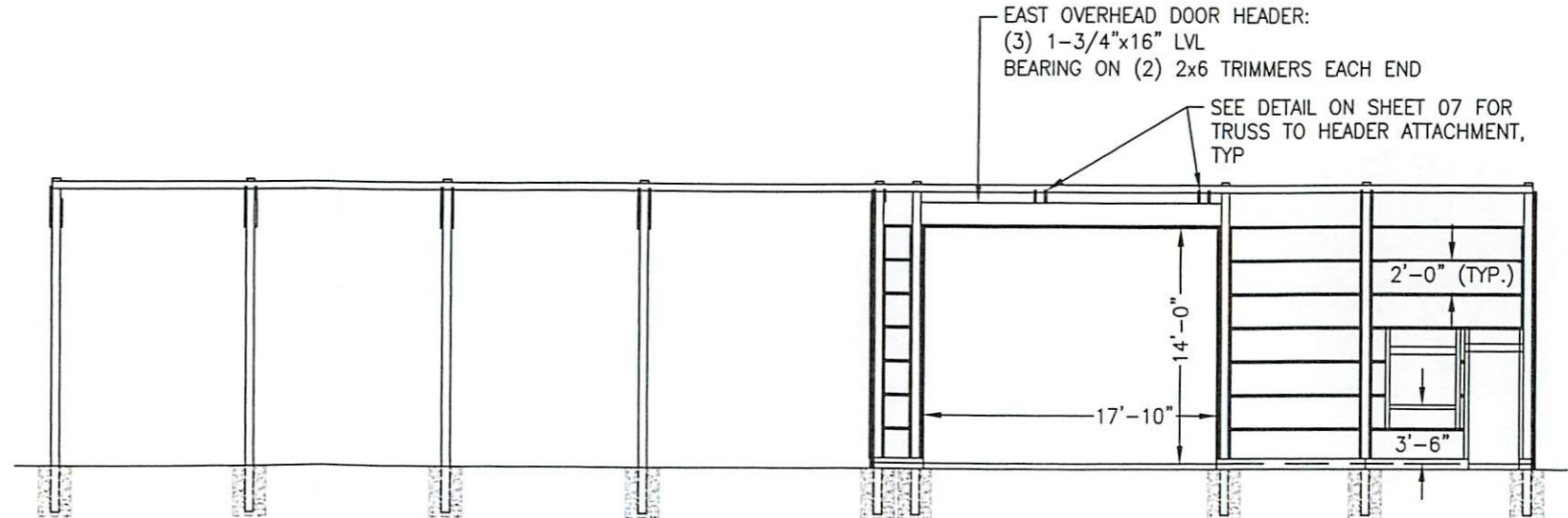
GABLE END GIRT WALL - NORTH



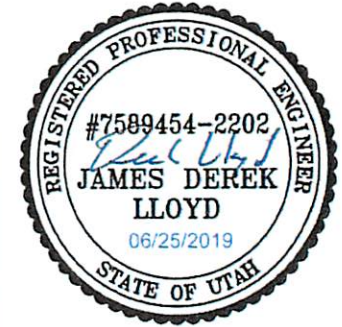
SIDE GIRT WALL - WEST



GABLE END GIRT WALL - SOUTH

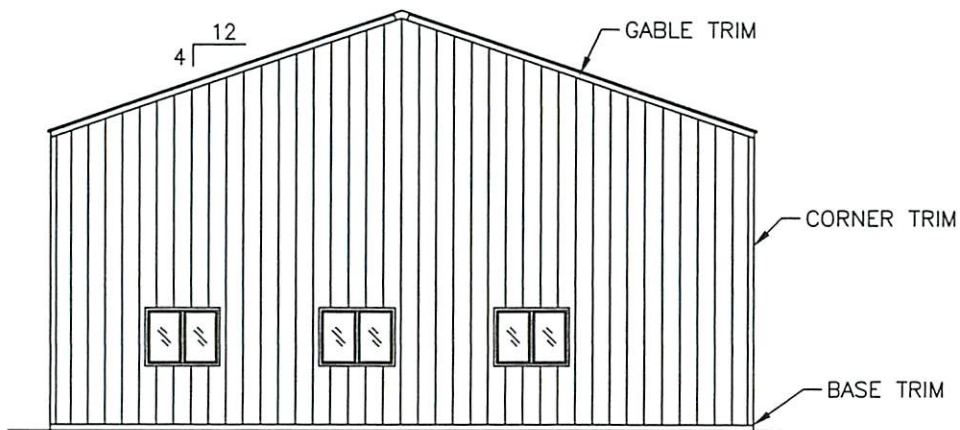


SIDE GIRT WALL - EAST

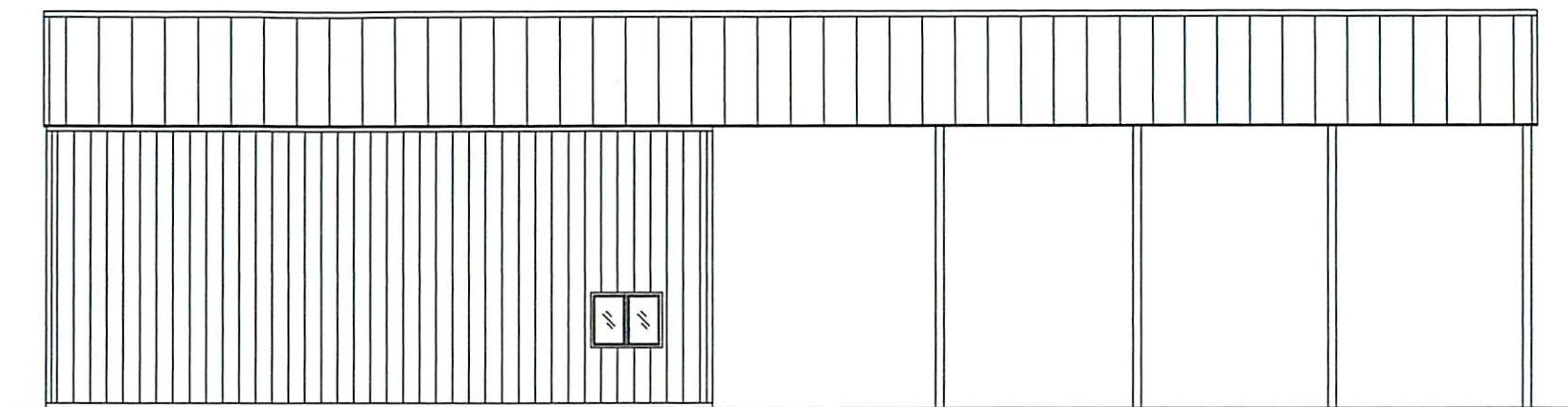


ENGINEER STAMP

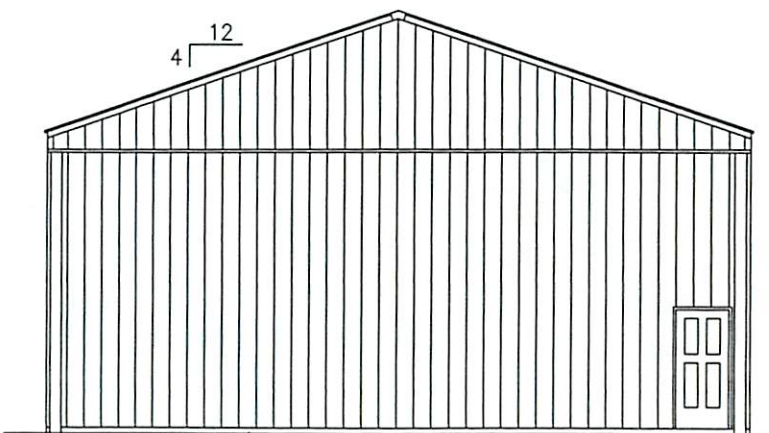
MOUNTAIN POINT  
ENGINEERING



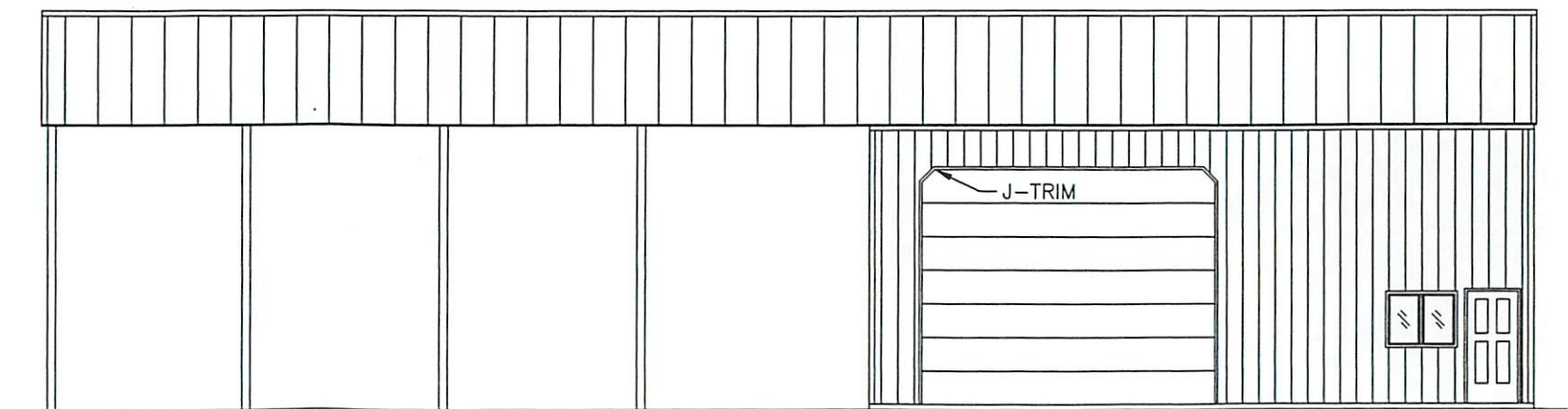
GABLE END ELEVATION - NORTH



SIDE ELEVATION - WEST



GABLE END ELEVATION - SOUTH



SIDE ELEVATION - EAST

ELEVATIONS

BREN EDWARDS BUILDING

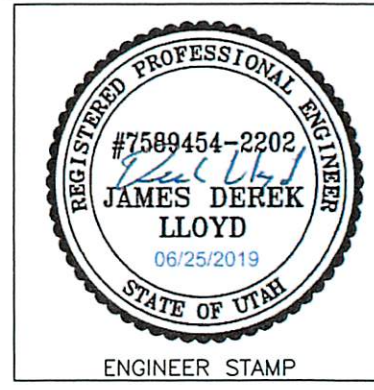
WEST HAVEN, UTAH

PROJECT  
R110

SCALE  
3/32" = 1'-0"

DATE  
06/25/2019

SHEET  
05



MOUNTAIN POINT  
ENGINEERING

PANEL LAYOUT

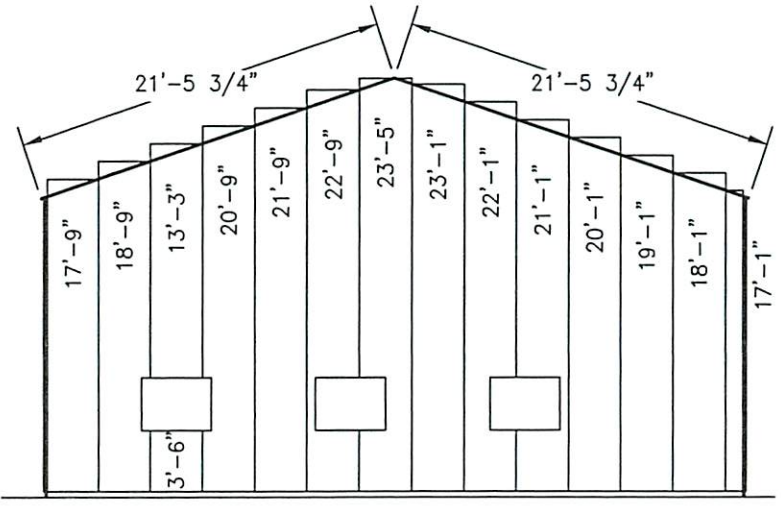
BREN EDWARDS BUILDING  
WEST HAVEN, UTAH

PROJECT  
R110

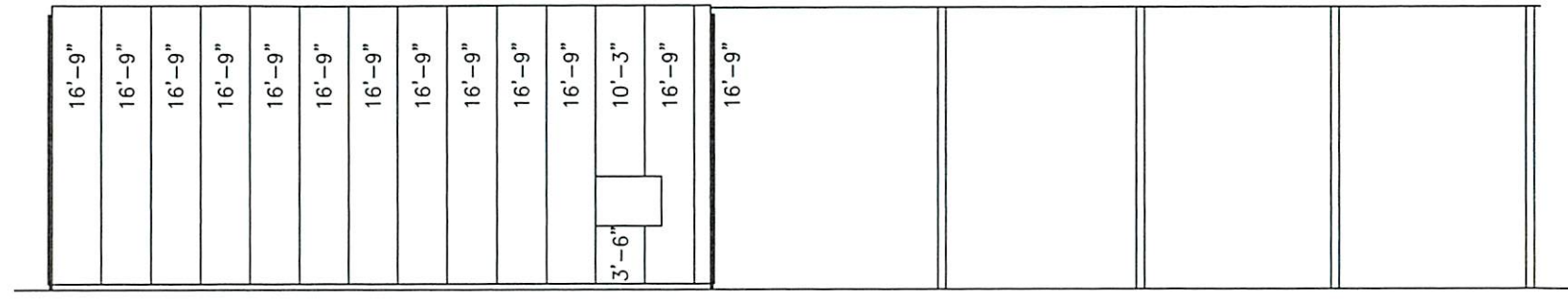
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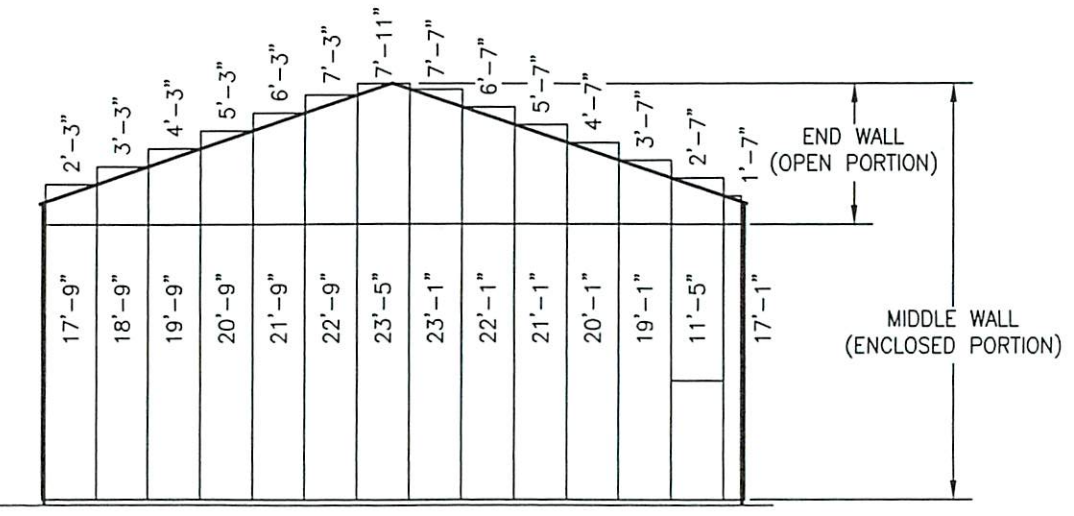
SHEET  
06



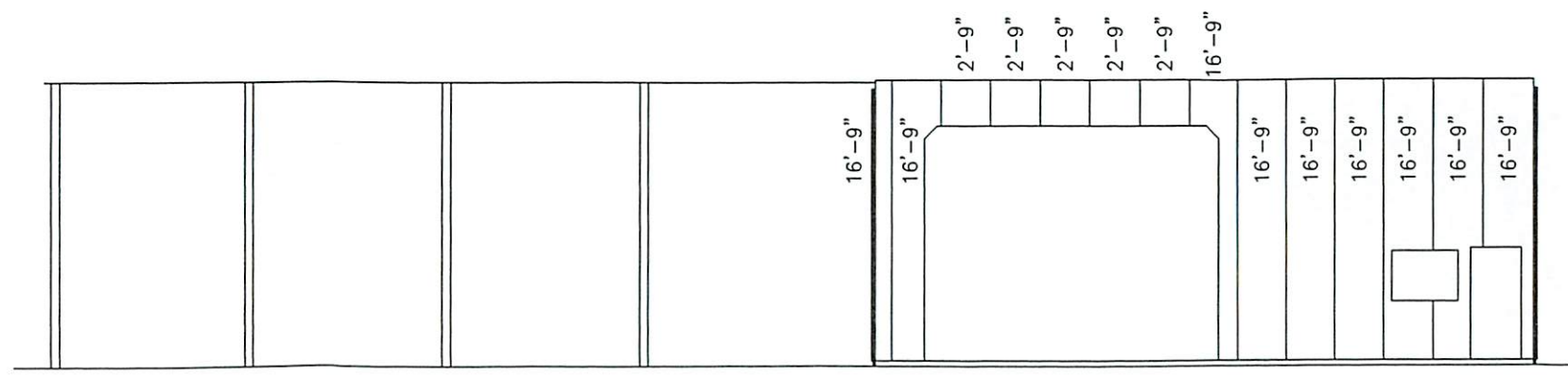
END PANEL LAYOUT - NORTH



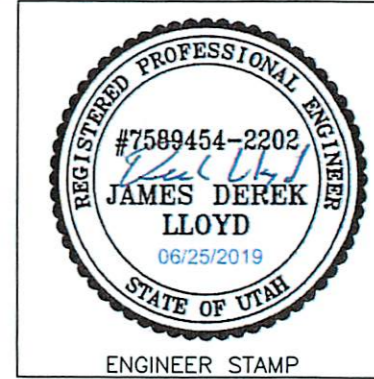
SIDE PANEL LAYOUT - WEST



END PANEL LAYOUT - SOUTH



SIDE PANEL LAYOUT - EAST



MOUNTAIN POINT  
ENGINEERING

DETAIL SHEET

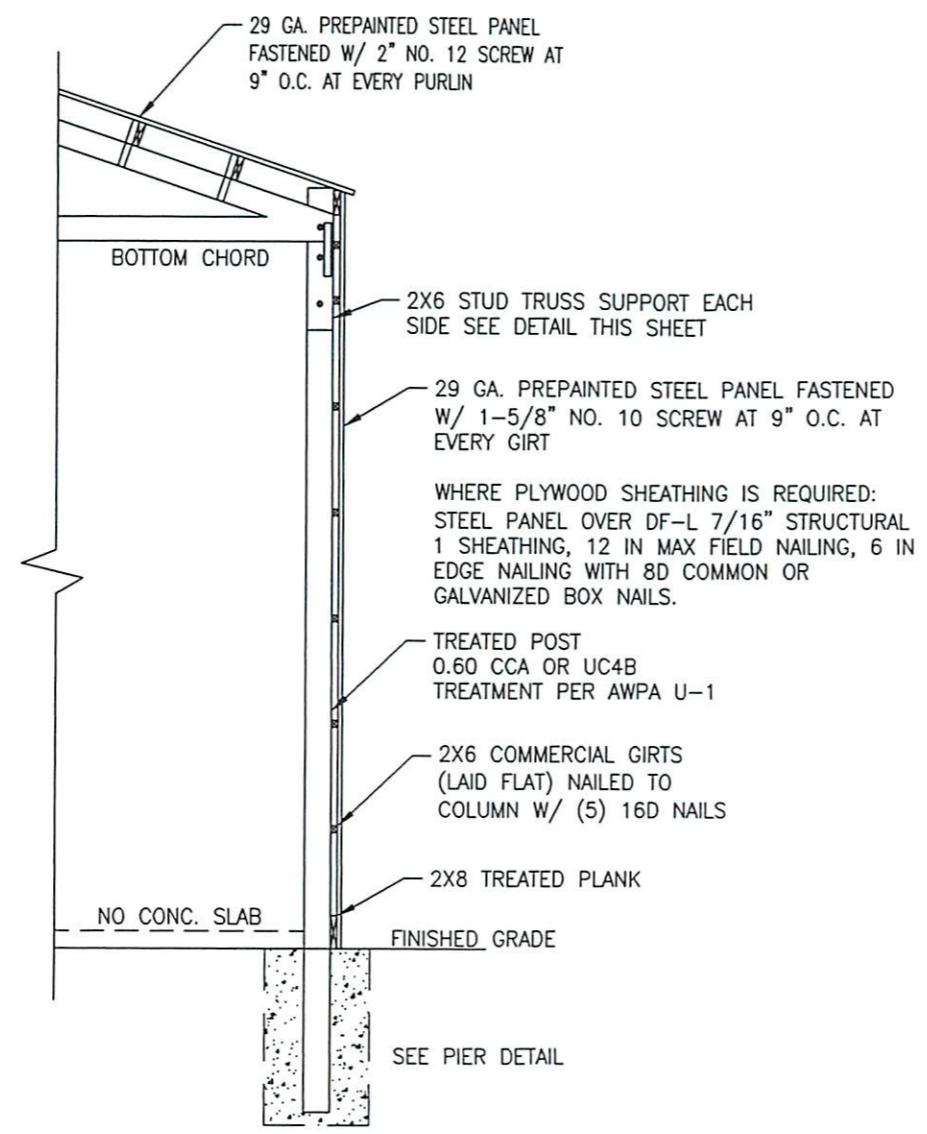
BREN EDWARDS BUILDING  
WEST HAVEN, UTAH

PROJECT  
R110

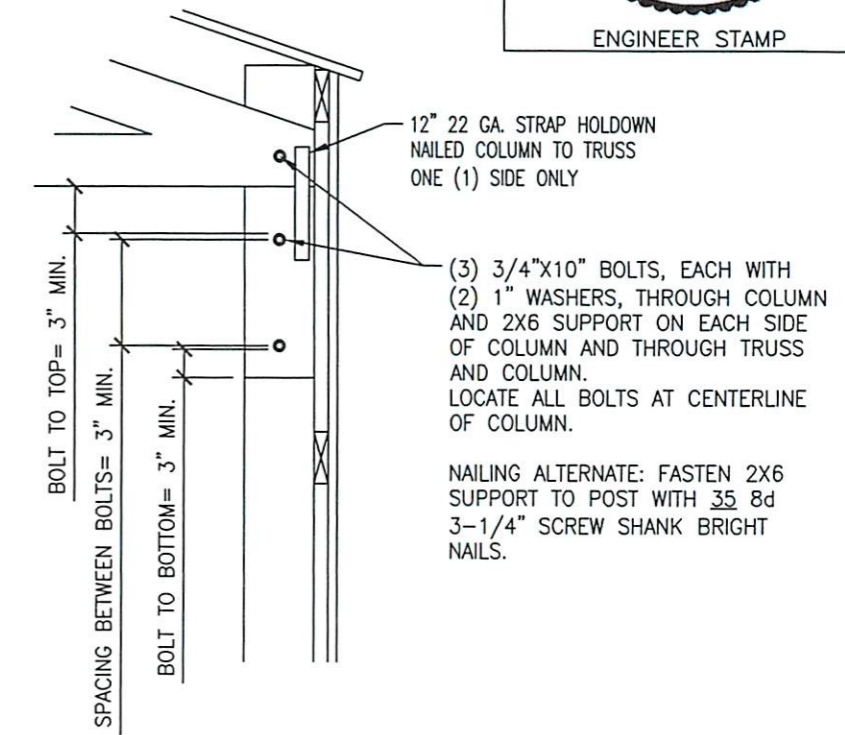
SCALE  
AS NOTED

DATE  
06/25/2019

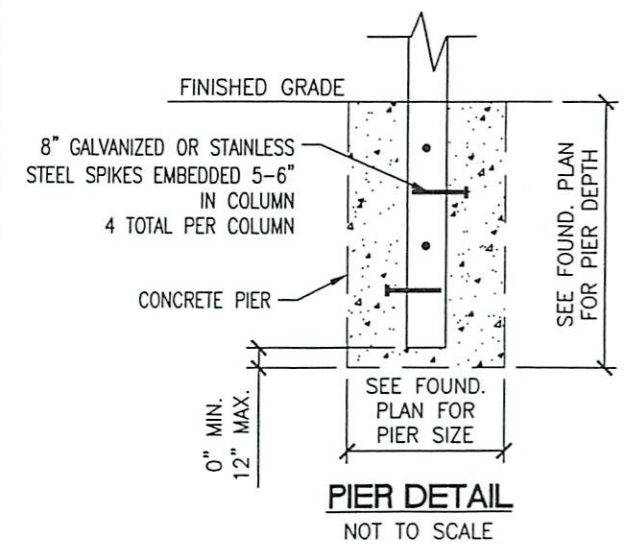
SHEET  
07



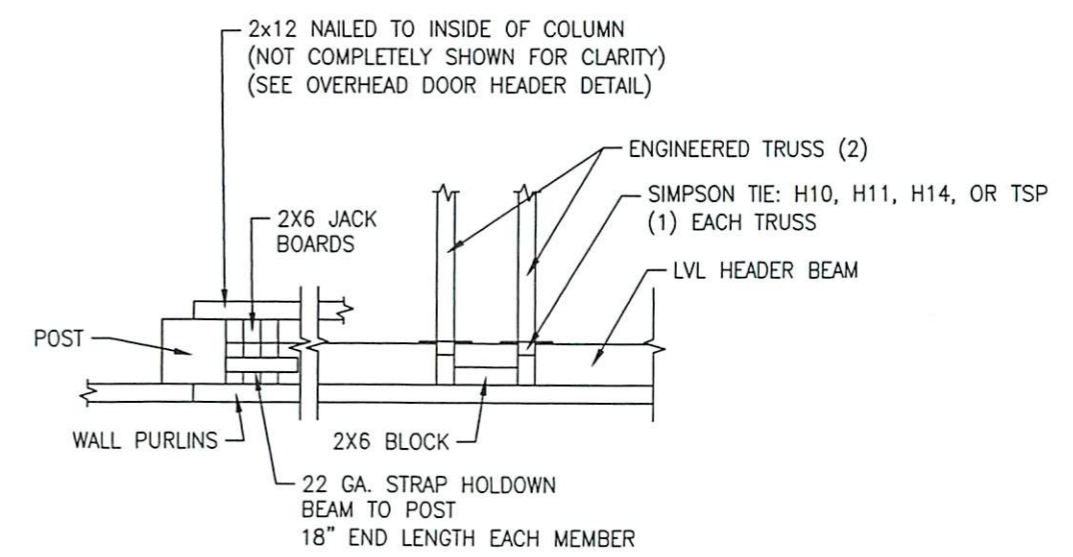
**TYPICAL WALL SECTION**  
NOT TO SCALE



**TRUSS SUPPORT TO POST CONNECTION DETAIL**  
NOT TO SCALE

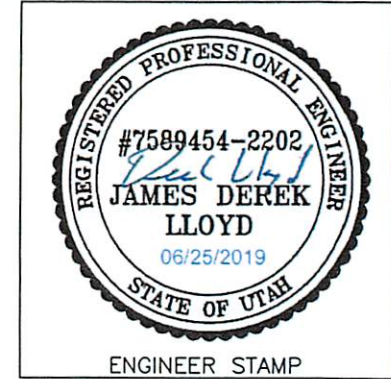


**PIER DETAIL**  
NOT TO SCALE



**TRUSS TO HEADER CONNECTION**  
NOT TO SCALE





MOUNTAIN POINT  
ENGINEERING

DETAIL SHEET

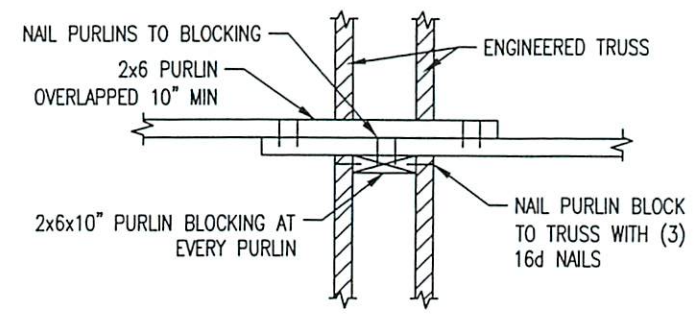
BREN EDWARDS BUILDING  
WEST HAVEN, UTAH

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R110

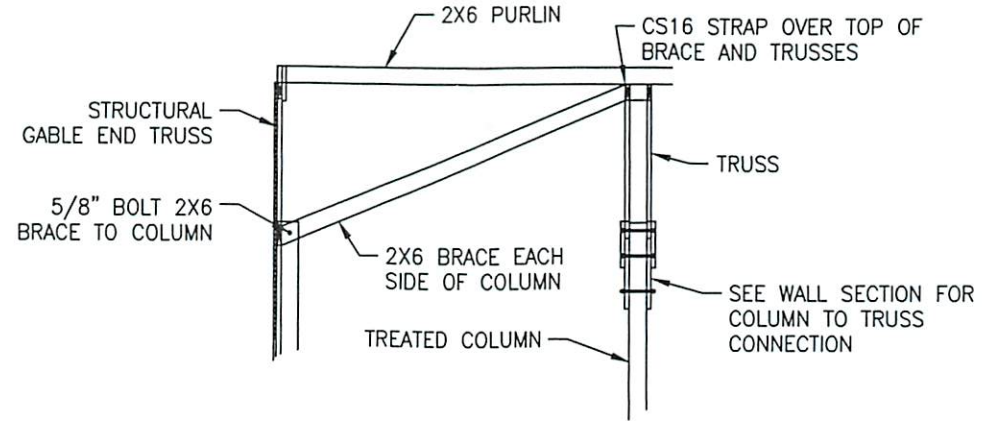
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AS NOTED

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06/25/2019

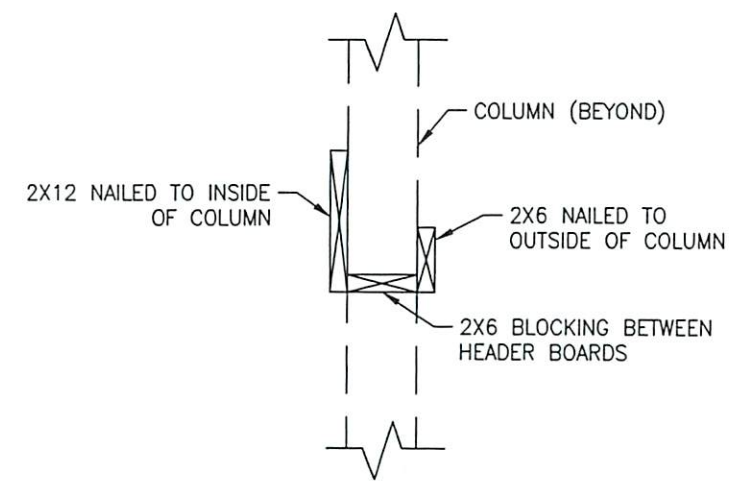
SHEET  
08



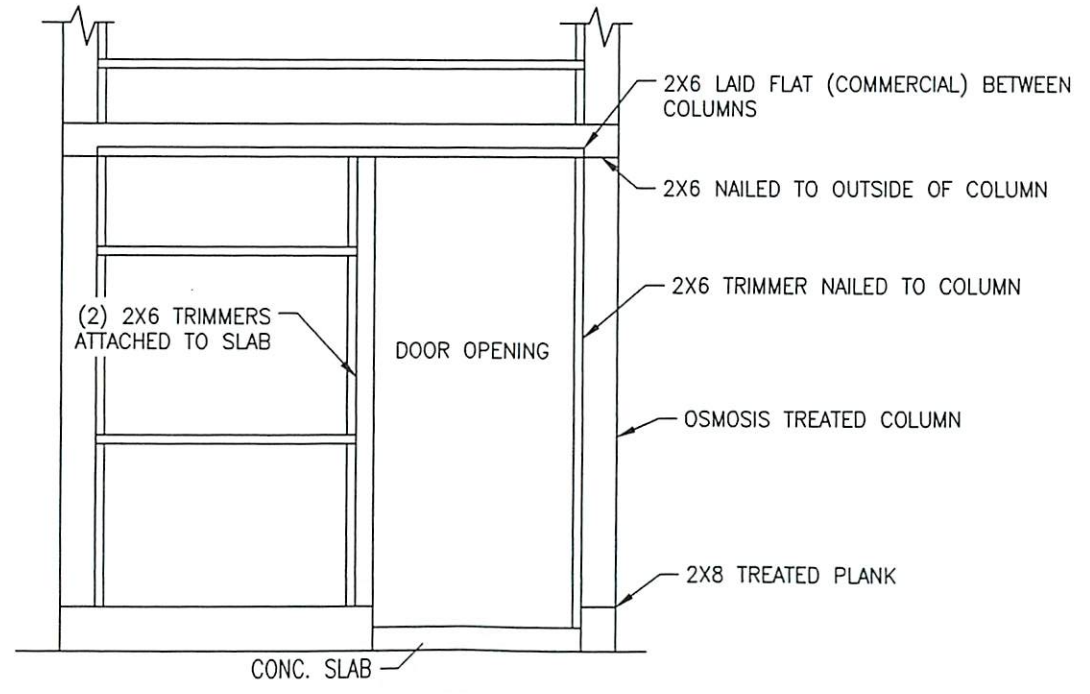
**PURLIN CONNECTION**  
NOT TO SCALE



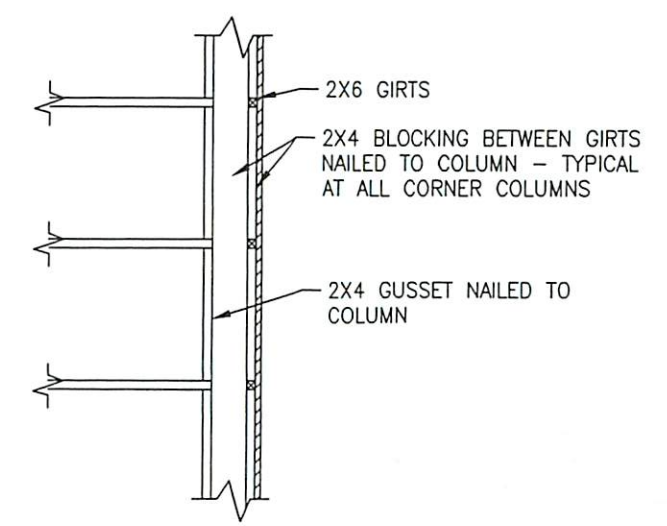
**COLUMN TO TRUSS BRACE**  
NOT TO SCALE



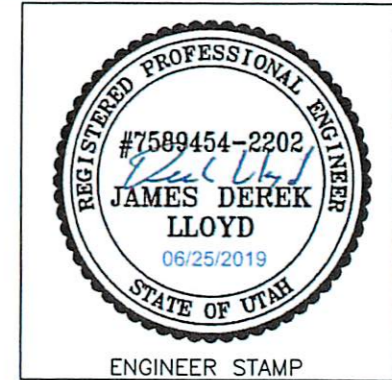
**OVERHEAD DOOR HEADER**  
NOT TO SCALE



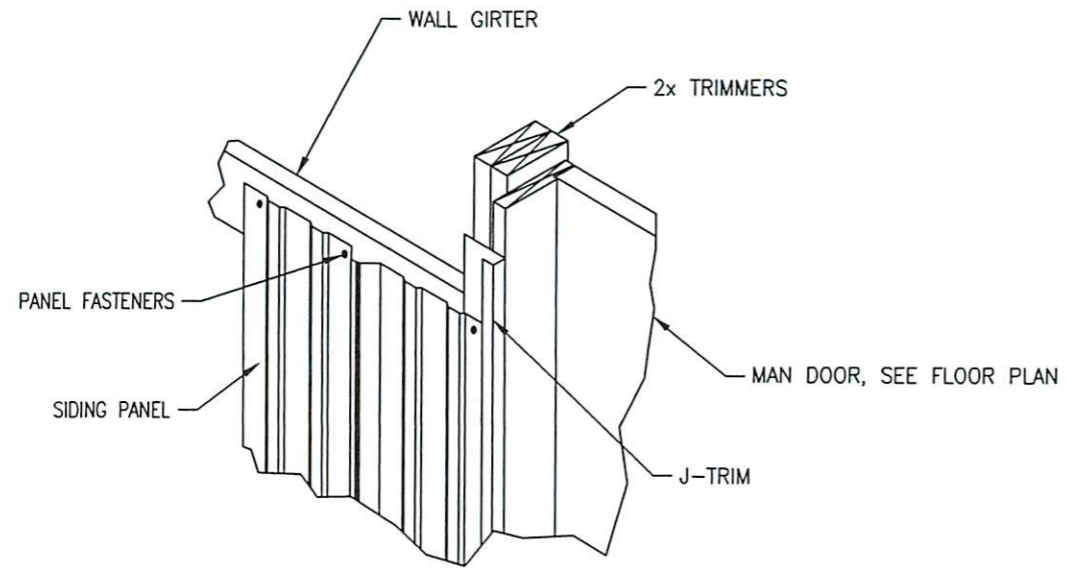
**MAN DOOR OPENING (COMMERCIAL GIRTS)**  
NOT TO SCALE



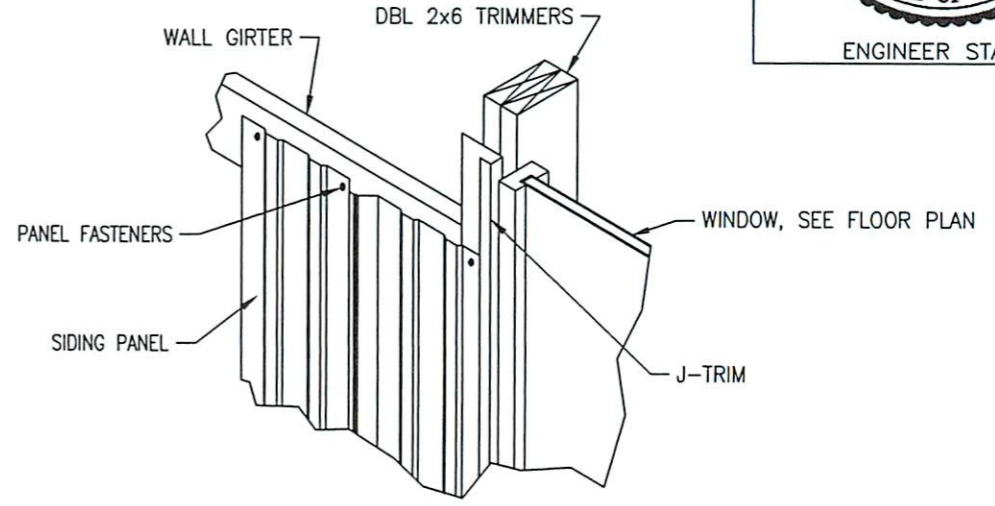
**CORNER BLOCKING**  
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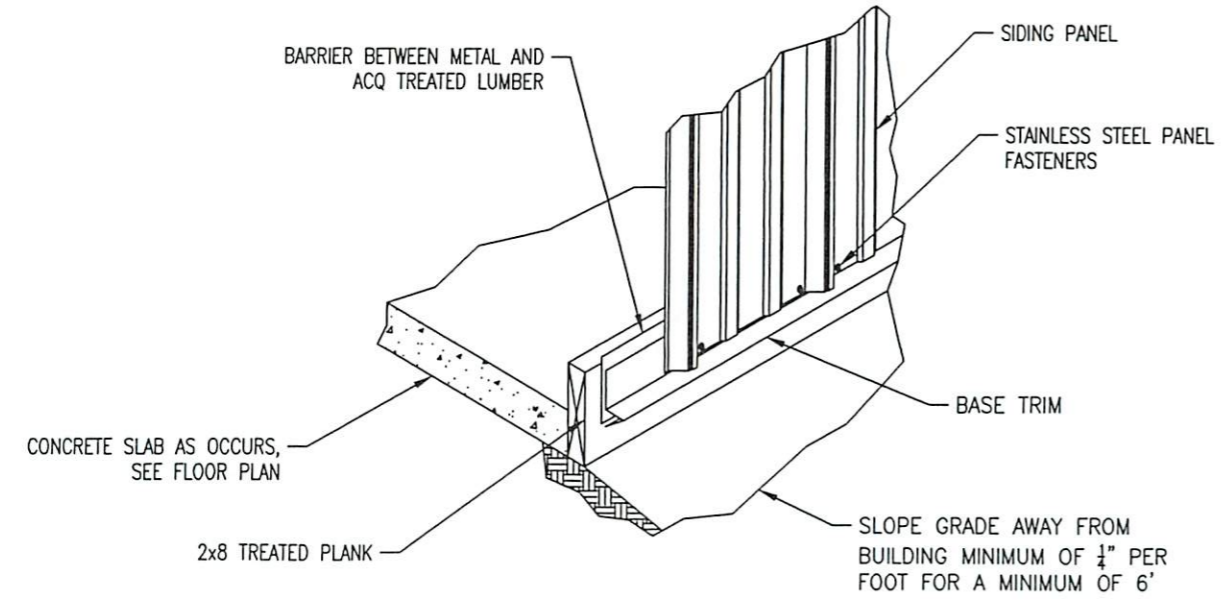
MOUNTAIN POINT  
ENGINEERING



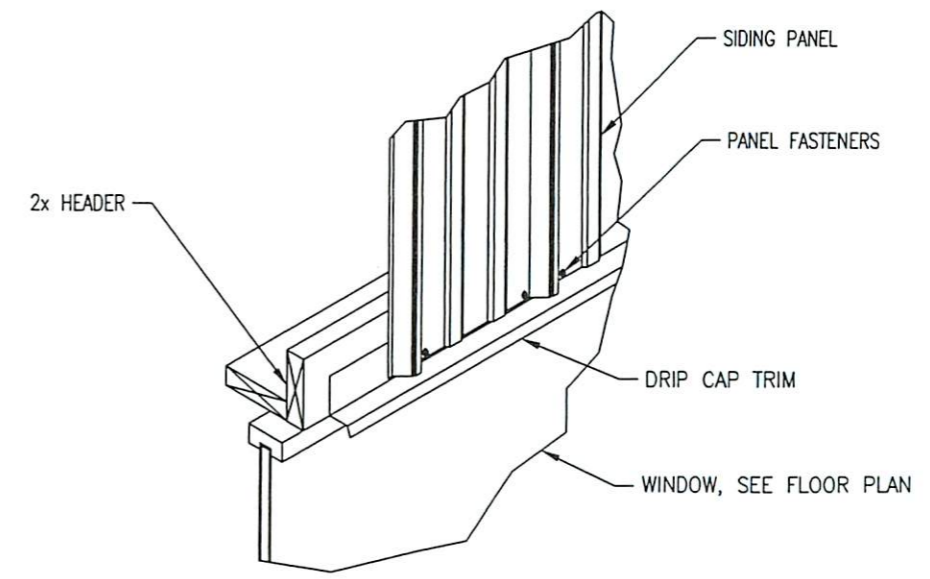
**DOOR JAMB FLASHING**  
NOT TO SCALE



**WINDOW JAMB FLASHING**  
NOT TO SCALE



**BASE GUARD FLASHING**  
NOT TO SCALE



**WINDOW / DOOR HEADER FLASHING**  
NOT TO SCALE

DETAIL SHEET

BREN EDWARDS BUILDING  
WEST HAVEN, UTAH

PROJECT  
R110

SCALE  
AS NOTED

DATE  
06/25/2019

SHEET  
09