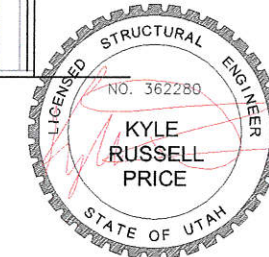
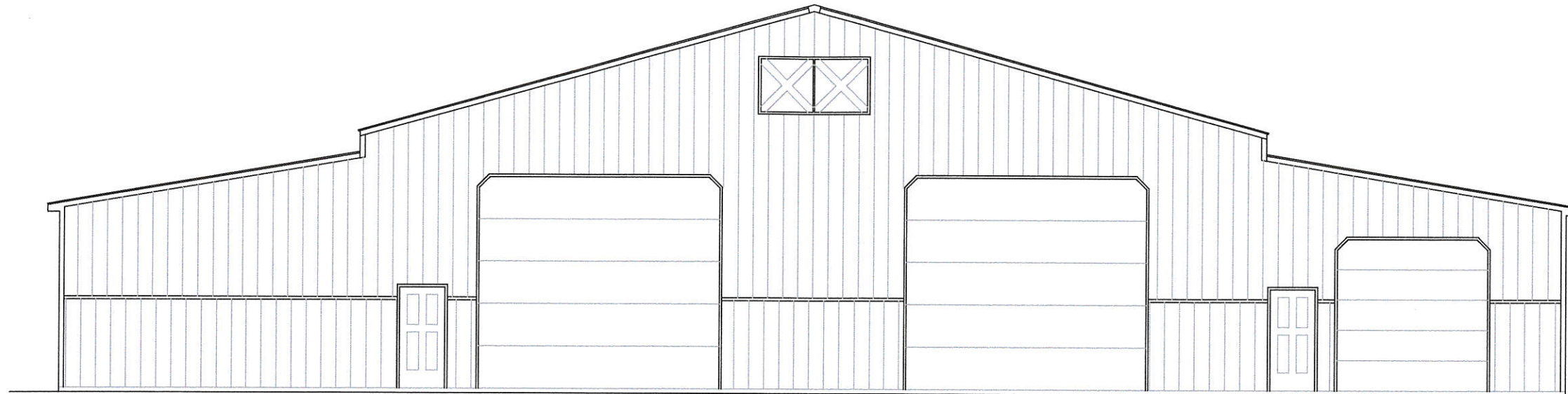


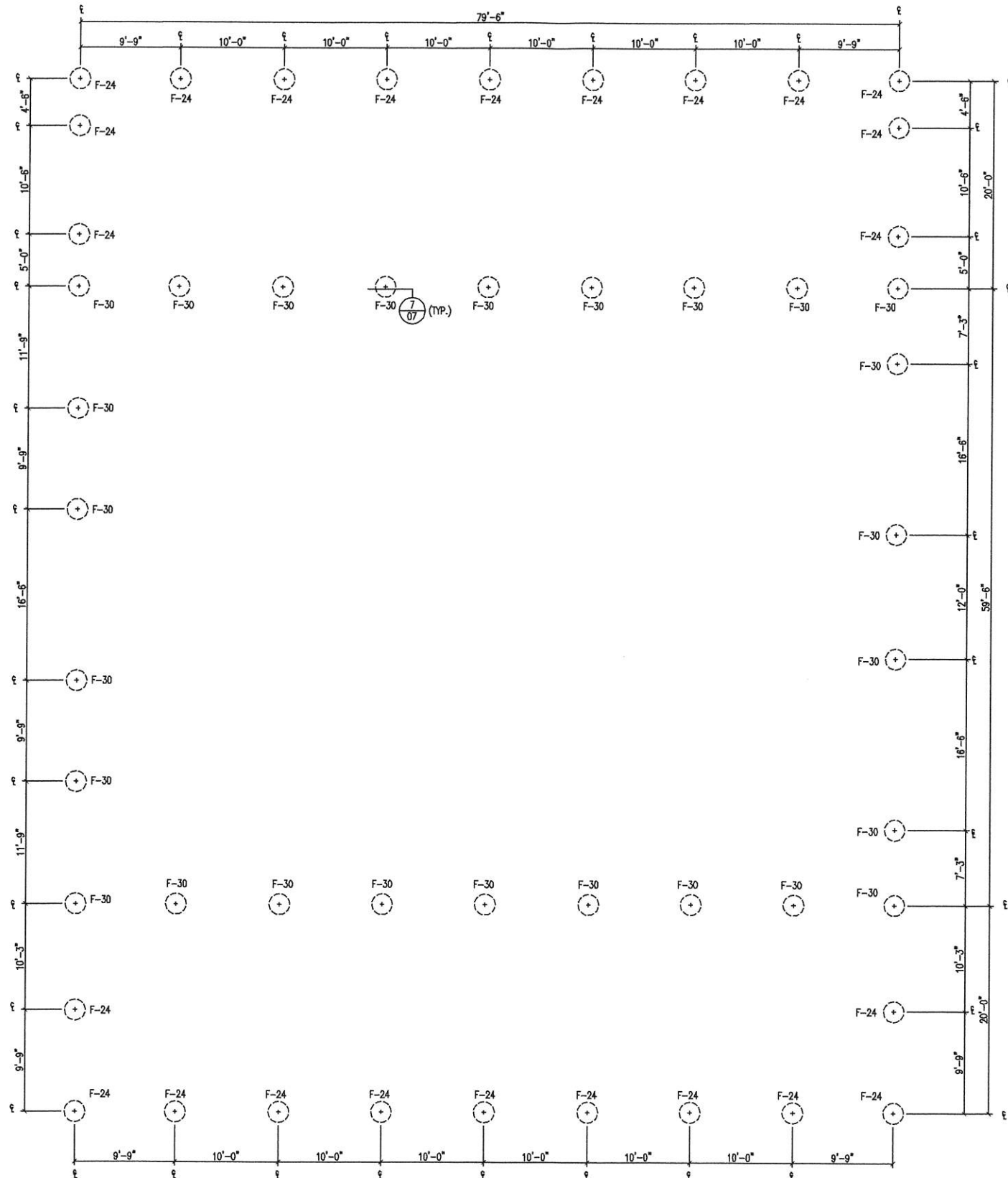
# ROPER BUILDINGS

## SANDBERG BUILDING



12/26/14

<p><b>PROJECT INFORMATION:</b>          SANDBERG BUILDING          3047 EAST 5750 NORTH          LIBERTY, UTAH</p>	<p><b>BUILDING INFORMATION:</b>          SQUARE FOOTAGE 8000          DIMENSIONS: 100x80</p>	<p><b>DRAWING INDEX:</b></p> <ul style="list-style-type: none"> <li>00 COVER SHEET</li> <li>01 FOUNDATION PLAN</li> <li>02 FLOOR PLAN</li> <li>03 GIRT PLAN</li> <li>03B ELEVATIONS</li> <li>04 ROOF PLAN</li> <li>05 PANEL LAYOUT</li> <li>06 DETAILS</li> <li>07 DETAILS</li> </ul>	<p><b>GENERAL CONTRACTOR:</b>          ROPER BUILDINGS          CONTACT: DAN SCARBROUGH          PHONE: 801-540-5586</p>	<p><b>DRAFTER:</b>          LAKMAN DESIGNS          SOUTH WEBER, UTAH          (801) 205-0382          (801) 479-1661 FAX          CONTACT: TIM LAKMAN</p> <p>THESE PLANS ARE ISSUED TO:          ROPER BUILDINGS          FOR THE CONSTRUCTION OF ONE          BUILDING LISTED IN THE PROJECT          INFORMATION AREA OF THIS PAGE</p>
<p><b>DRAWING/REVISION DATE:</b> 12/15/14</p>		<p><b>CONSULTING STRUCTURAL ENGINEER:</b>          PRICE ENGINEERING          990 WEST 7900 SOUTH          WILLARD, UTAH          (801) 771-0542          CONTACT: KYLE PRICE</p>		



**FOUNDATION PLAN**  
 F-24: 24" DIA. X 40" DEEP CONCRETE FOOTING.  
 F-30: 30" DIA. X 42" DEEP CONCRETE FOOTING.



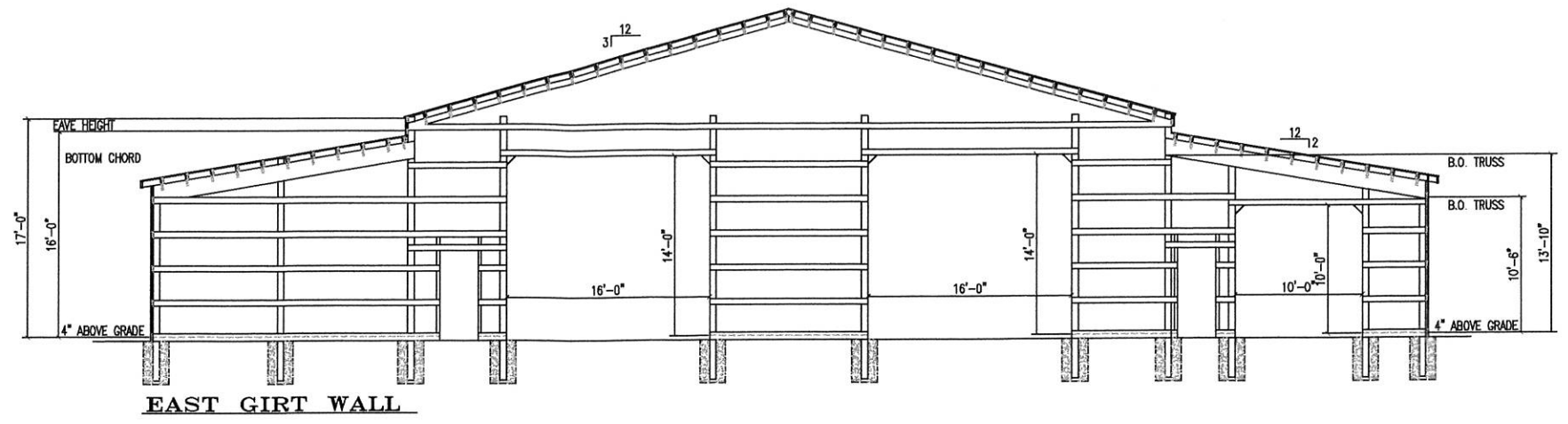
12/26/14

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 DAN SCARBROUGH  
 (801) 540-5586

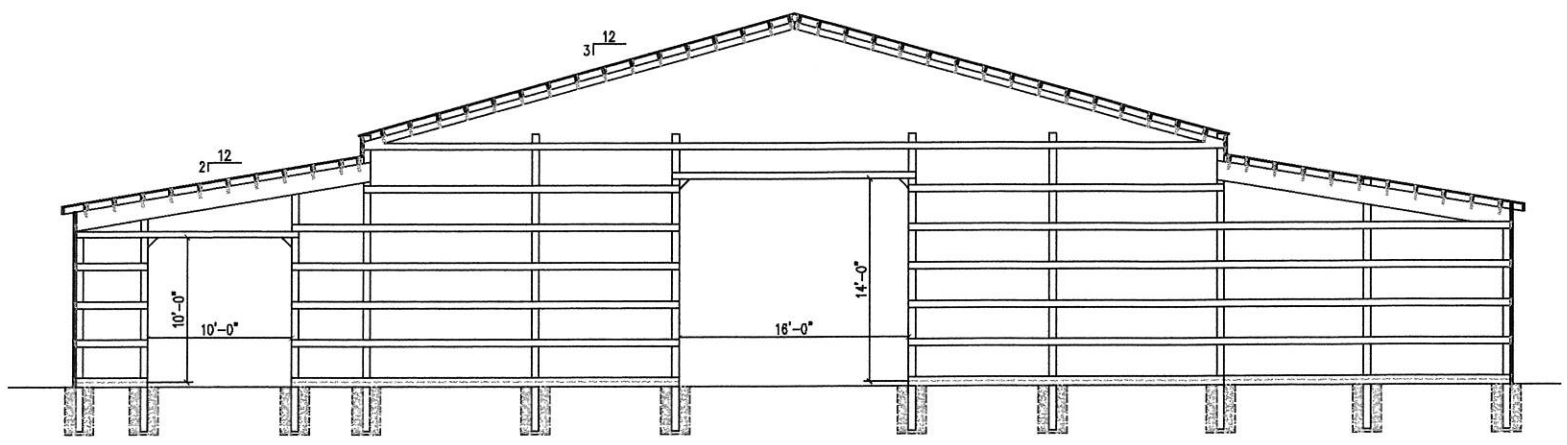
**SANDBERG BUILDING**  
 3047 EAST 5750 NORTH  
 LIBERTY, UTAH

DATE: 12-15-14  
 SCALE: 1/8"=1'-0"  
 JOB: SANDBERG  
 SHEET:

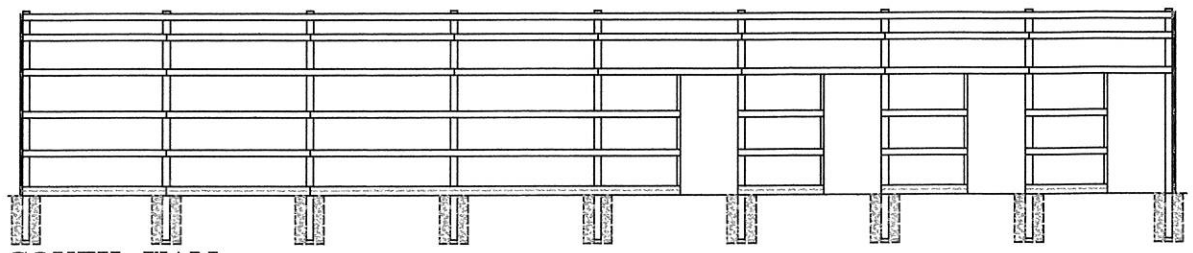
**01**



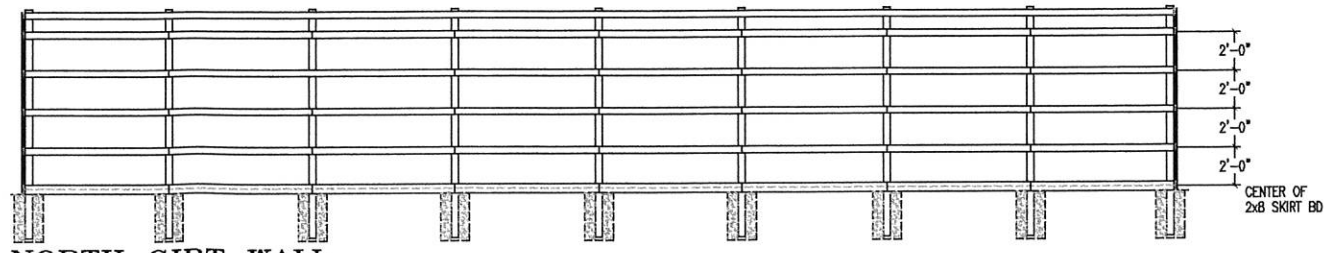
**EAST GIRT WALL**



**WEST GIRT WALL**



**SOUTH WALL**



**NORTH GIRT WALL**

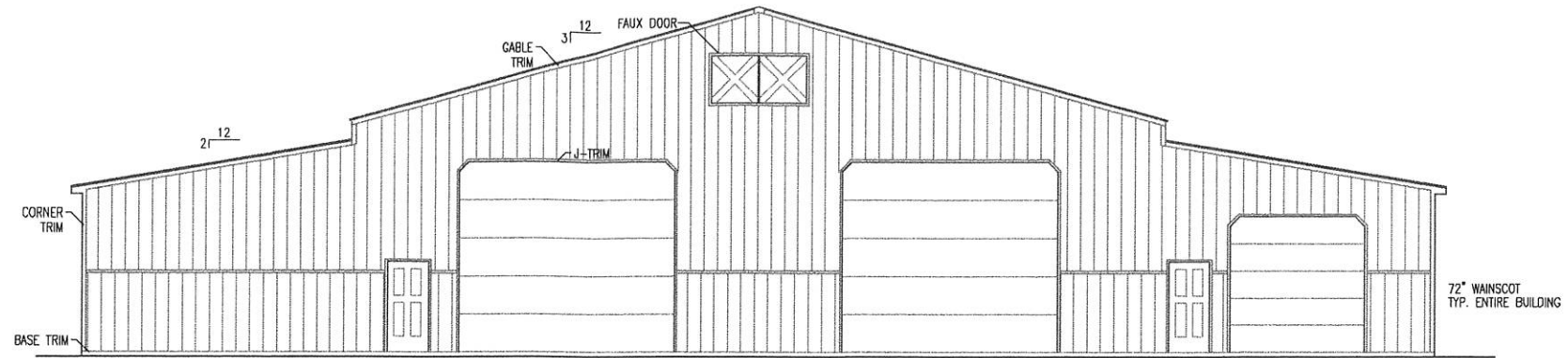
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 3047 EAST 5750 NORTH  
 LIBERTY, UTAH

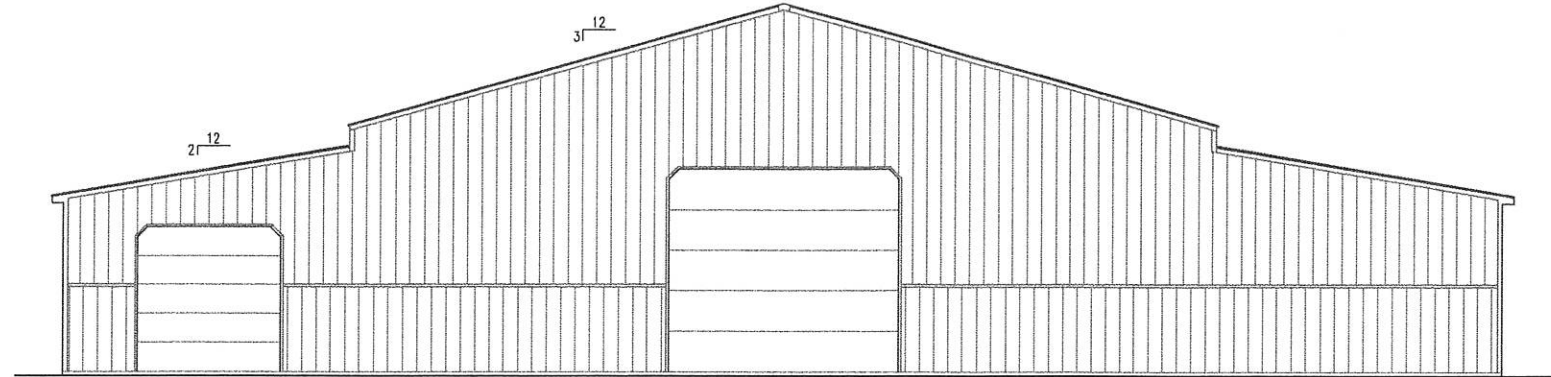
DATE: 12-15-14  
 SCALE: 1/8" = 1'-0"  
 JOB: SANDBERG

SHEET:  
**03A**

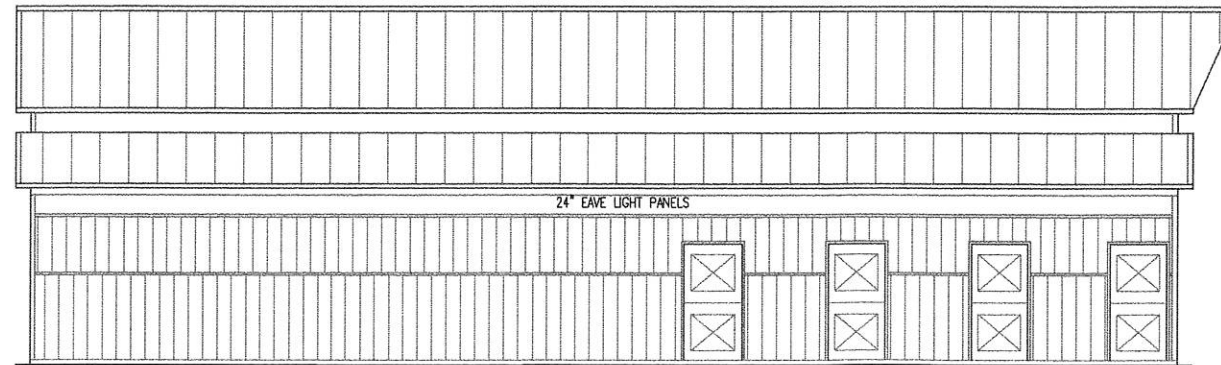




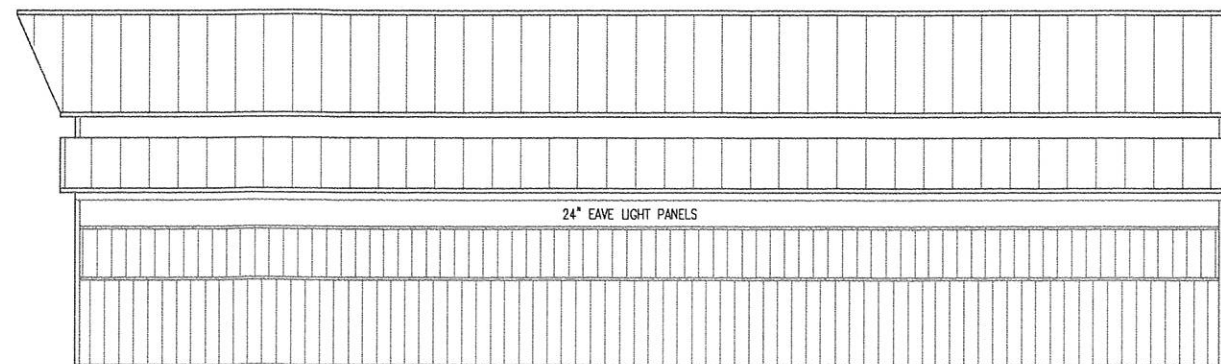
**EAST ELEVATION**



**WEST ELEVATION**



**SOUTH ELEVATION**



**NORTH ELEVATION**

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 3047 EAST 5750 NORTH  
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DATE: 12-15-14

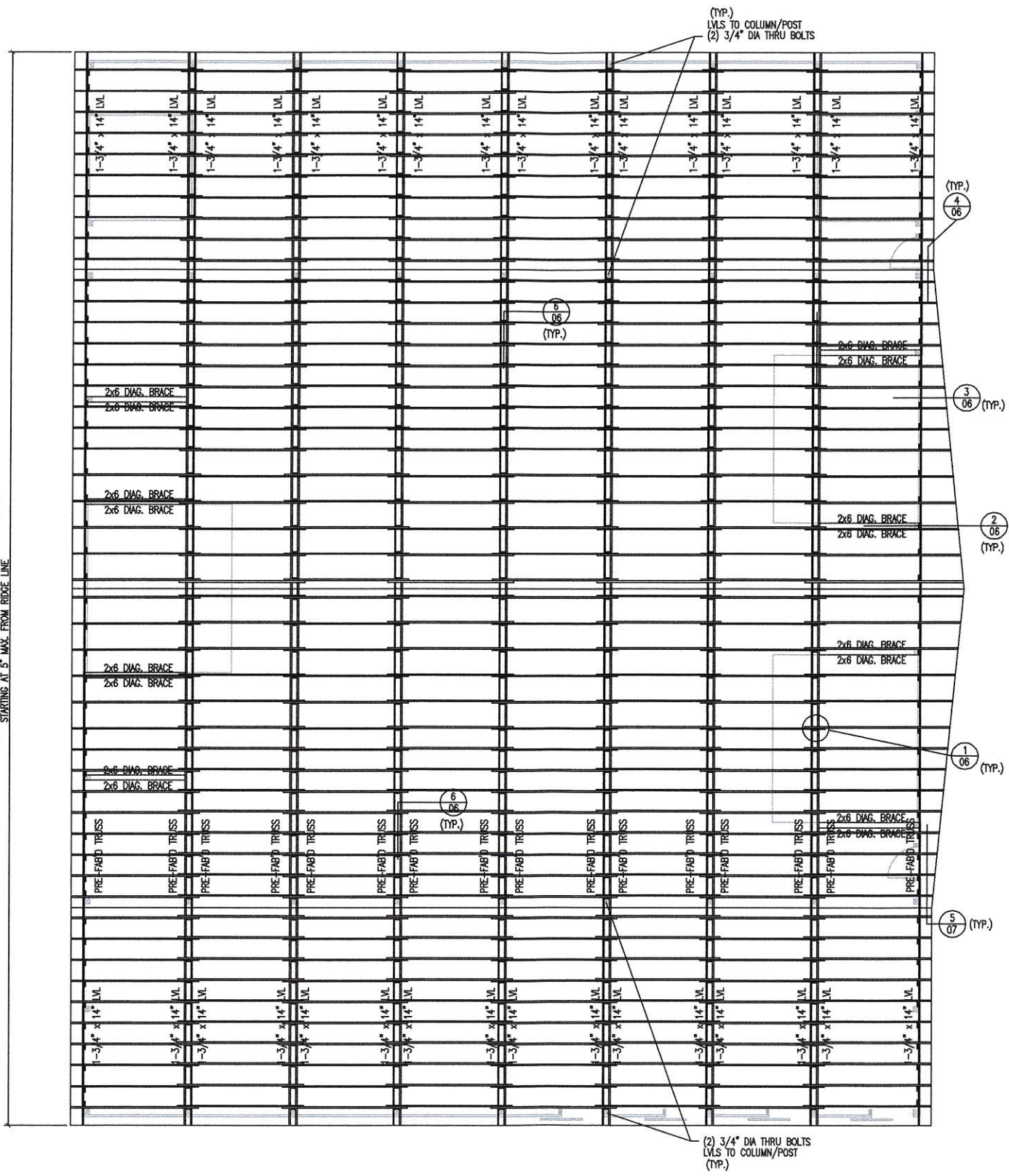
SCALE: 1/8" = 1'-0"

JOB: SANDBERG

SHEET:

**03B**

2x6 DF-L #2 ROOF PURLINS AT 24" O.C. OVERLAPPED 10" MIN. (TYP.)  
STARTING AT 5" MAX. FROM RIDGE LINE



**ROOF PLAN**

**ROOF FRAMING NOTES:**

1. 12" OVERHANG, ENTIRE BUILDING
2. FLYING GABLE, FRONT ONLY



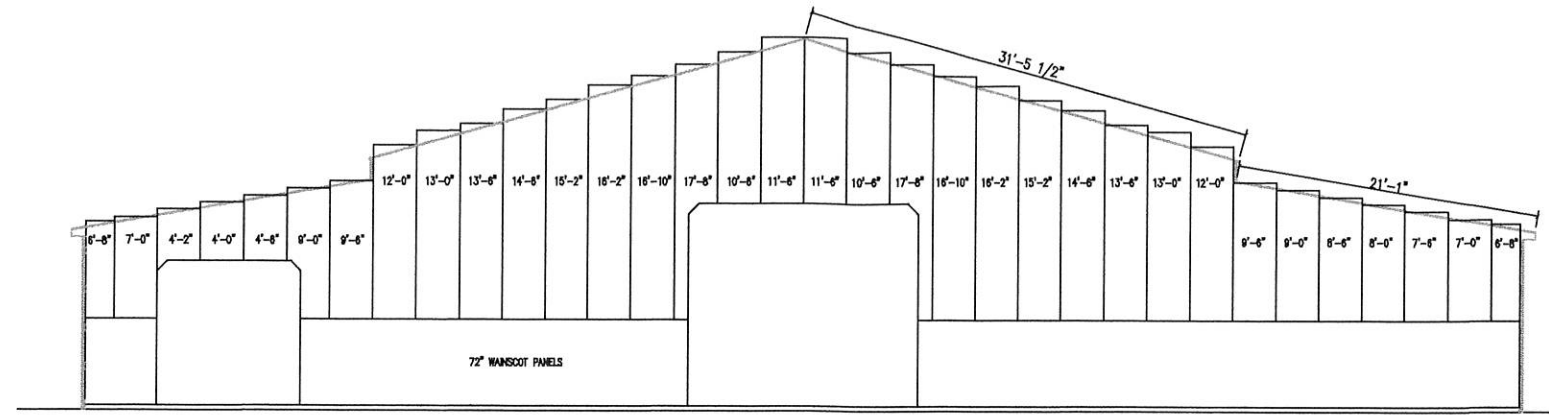
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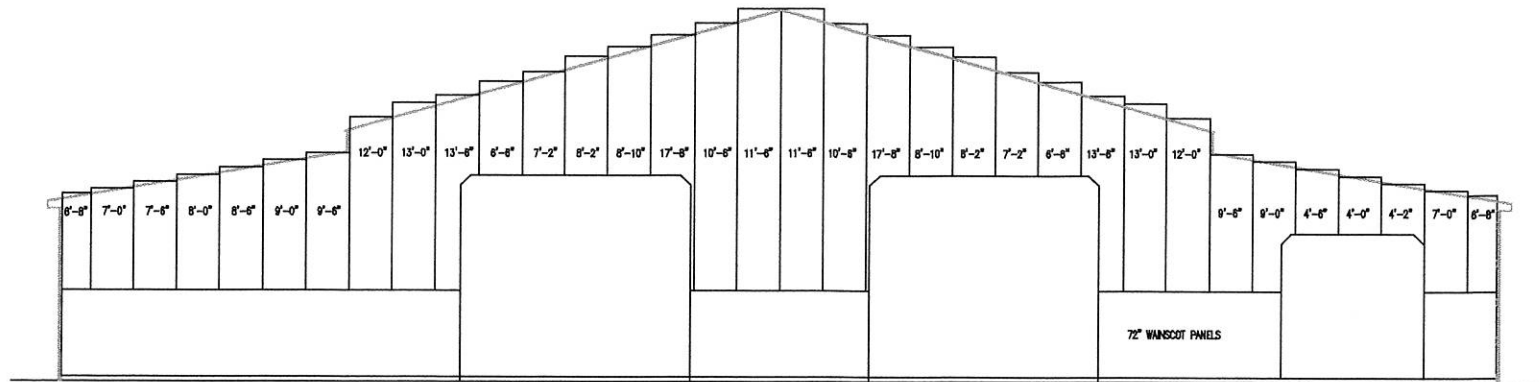
**SANDBERG BUILDING**  
3047 EAST 5750 NORTH  
LIBERTY, UTAH

DATE: 12-15-14  
SCALE: 1/8"=1'-0"  
JOB: SANDBERG  
SHEET:

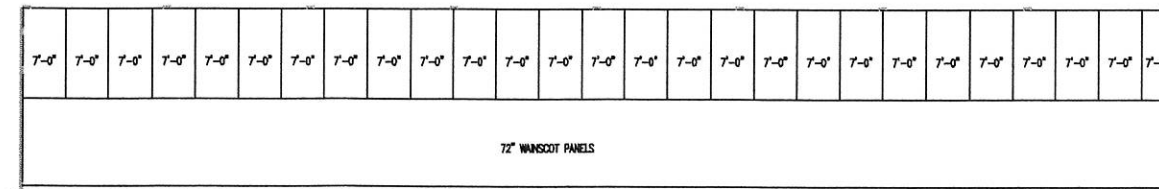
**04**



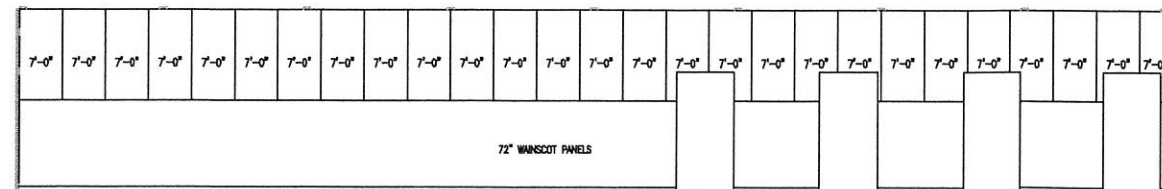
PANEL LAYOUT



PANEL LAYOUT



PANEL LAYOUT



PANEL LAYOUT

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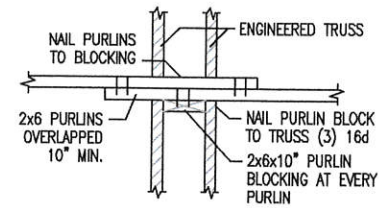
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JOB: SANDBERG

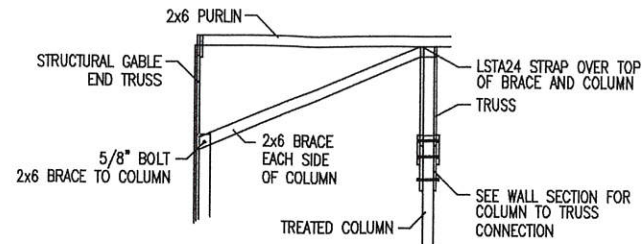
SHEET:

**05**

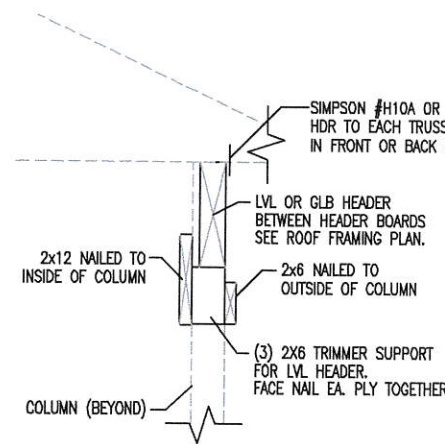




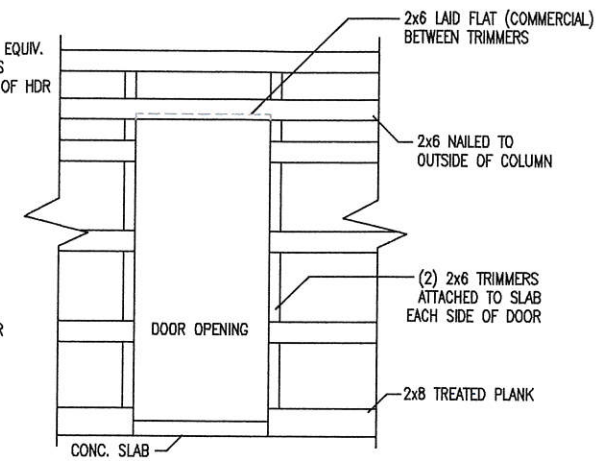
1 TYPICAL PURLIN CONNECTION  
06 N.T.S.



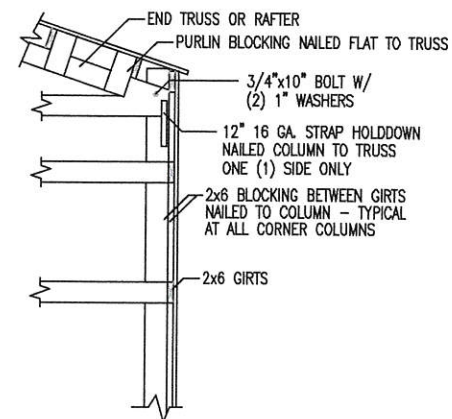
2 COLUMN TO TRUSS BRACE  
06 N.T.S.



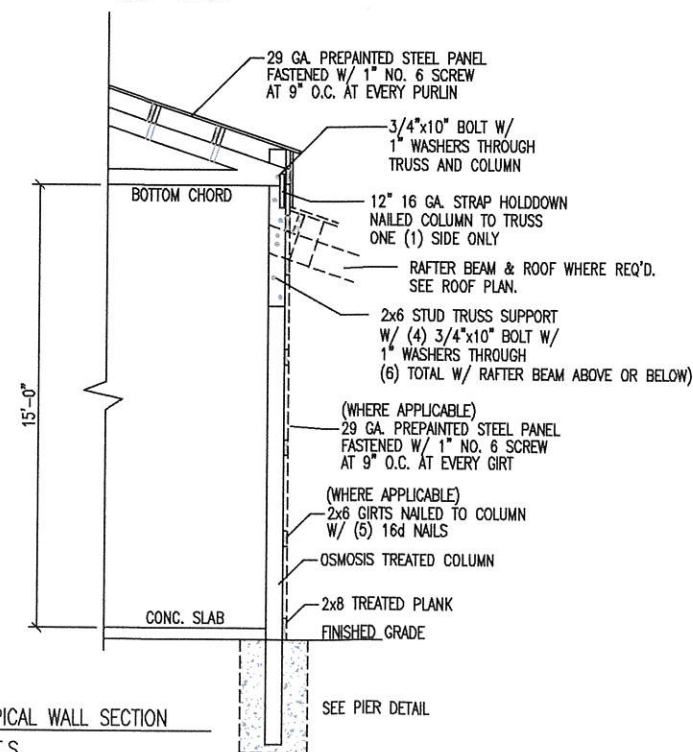
3 O.H. DOOR HEADER  
06 N.T.S.



4 MAN DOOR OPENING  
06 N.T.S.



5 CORNER BLOCKING DETAIL  
07 N.T.S.



6 TYPICAL WALL SECTION  
07 N.T.S.

ENGINEERING NOTES:

DESIGN CRITERIA

GENERAL:  
1. 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 PLAN SHEET SHALL APPLY.

2. DESIGN CRITERIA:  
DESIGN ACCORDING TO THE 2012 IBC, RISK CATEGORY 1. FOR SPECIFICATIONS NOT SHOWN REFER TO THE 2012 IBC.

SEISMIC CRITERIA: DESIGN SPECTRAL RESPONSE SDS: 74%  
SDC=D W<sub>s</sub>=0 PSF  
SOIL SITE CLASS=D (ASSUMED)

WIND LOAD: DESIGN SPEED: 120 MPH 3 SEC. GUST  
EXPOSURE C, I=0.87

SNOW LOAD: P<sub>s</sub>=36 PSF, P<sub>g</sub>=66 PSF  
I=0.8 C<sub>t</sub>=1.1 C<sub>s</sub>=.85 C<sub>e</sub>=0.9

DEAD LOADS: ROOF 3 PSF  
WALLS 3 PSF

CONC. FOUNDATION PIERS

SIZE (MINIMUM): 24" TO 30" DIAMETER X 3'-4" TO 3'-6" 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)

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.

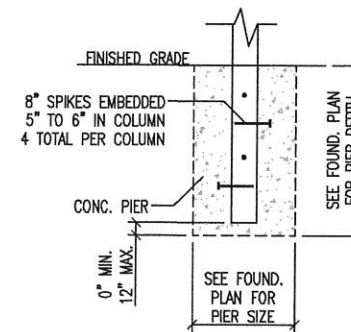
THE STRUCTURAL ENGINEER OF RECORD IS NOT RESPONSIBLE FOR DIFFERENTIAL FOOTING SETTLEMENT DUE TO INCONSISTANT OR UNSTABLE SOIL QUALITY.

CONCRETE AND REINFORCEMENT NOTES

CONCRETE MIN. 28 DAY STRENGTH (F<sup>o</sup>C) W/ NORMAL 145 PCF DENSITY:

1. FOOTINGS: 3000 PSI

2. 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.



7 PIER DETAIL (TYPICAL)  
07 N.T.S.



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06