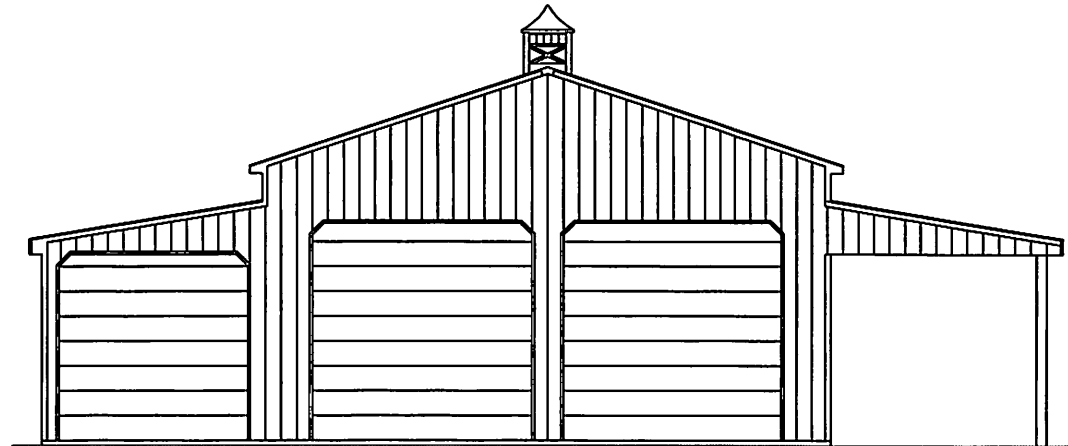


# ROPER BUILDINGS

## HARRIS #2 BUILDING



### DESIGN CRITERIA AND NOTES

**DESIGN CRITERIA**  
 DESIGN ACCORDING TO THE 2012 IBC.  
 FOR SPECIFICATIONS NOT SHOWN REFER TO THE 2012 IBC.

**DESIGN CATEGORY:**  
 RISK CATEGORY I - AGRICULTURAL/MINOR STORAGE

**SEISMIC CRITERIA:**  
 DESIGN SPECTRAL RESPONSE SDS: 71%  
 DESIGN CATEGORY D  
 SOIL SITE CLASS D (ASSUMED)  
 R = 6.5 (CORRUGATED STEEL SHEETED SHEAR WALLS)

**WIND LOAD:**  
 ULTIMATE WIND DESIGN SPEED: 105 MPH 3 SEC. GUST  
 TERRAIN EXPOSURE C

**SNOW LOAD:**  
 ROOF DESIGN SNOW LOAD 40 PSF

**DEAD LOADS:**  
 ROOF STRUCTURE 5 PSF  
 WALLS 3 PSF

### CONCRETE FOUNDATION NOTES

**SIZE (MINIMUM):**  
 24" DIAMETER X 3'-4" DEEP  
 SEE FOUNDATION PLAN.  
 REINFORCEMENT: NO PIER REINFORCEMENT.

**MIN. 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.  
 PROVIDE 1" DEEP CONTRACTION / CONSTRUCTION JOINTS  
 NO FURTHER THAN 10' APART IN ANY DIRECTION.

### 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.

### SOILS AND EXCAVATION

UNIFIED SOIL CLASSIFICATION: NO SOILS REPORT PROVIDED.  
 STABLE SOIL CHARACTERISTICS ASSUMED.

ALLOWABLE BEARING PRESSURE: 1500 PSF

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.

### BUILDING INFORMATION

#### SITE INFORMATION:

ADDRESS:  
 CLARK LANE  
 EDEN, UT 84317

#### BUILDING INFORMATION:

SQUARE FOOTAGE: 2160 S.F.  
 DIMENSIONS: 36' x 60'

LEANS: (2) 14' x 60'  
 ENCLOSED LEAN: 840 S.F.  
 OPEN LEAN: 840 S.F.

TOTAL ENCLOSED: 3000 S.F.  
 TOTAL FOOTAGE: 3840 S.F.

### CONTACTS

#### CONTRACTOR:

ROPER BUILDINGS  
 CONTACT: DAN SCARBROUGH  
 PHONE: 801-540-5586

#### DRAFTING AND ENGINEERING:

WILDING ENGINEERING, INC.  
 CONTACT: DEREK LLOYD  
 PHONE: 801-553-8112



### DRAWING INDEX

SHEET	DESCRIPTION
00	COVER SHEET
01	FOUNDATION PLAN
02	FLOOR PLAN
03	GIRT PLAN
04	ELEVATIONS
05	ROOF PLAN
06	PANEL LAYOUT
07	DETAIL SHEET
08	DETAIL SHEET

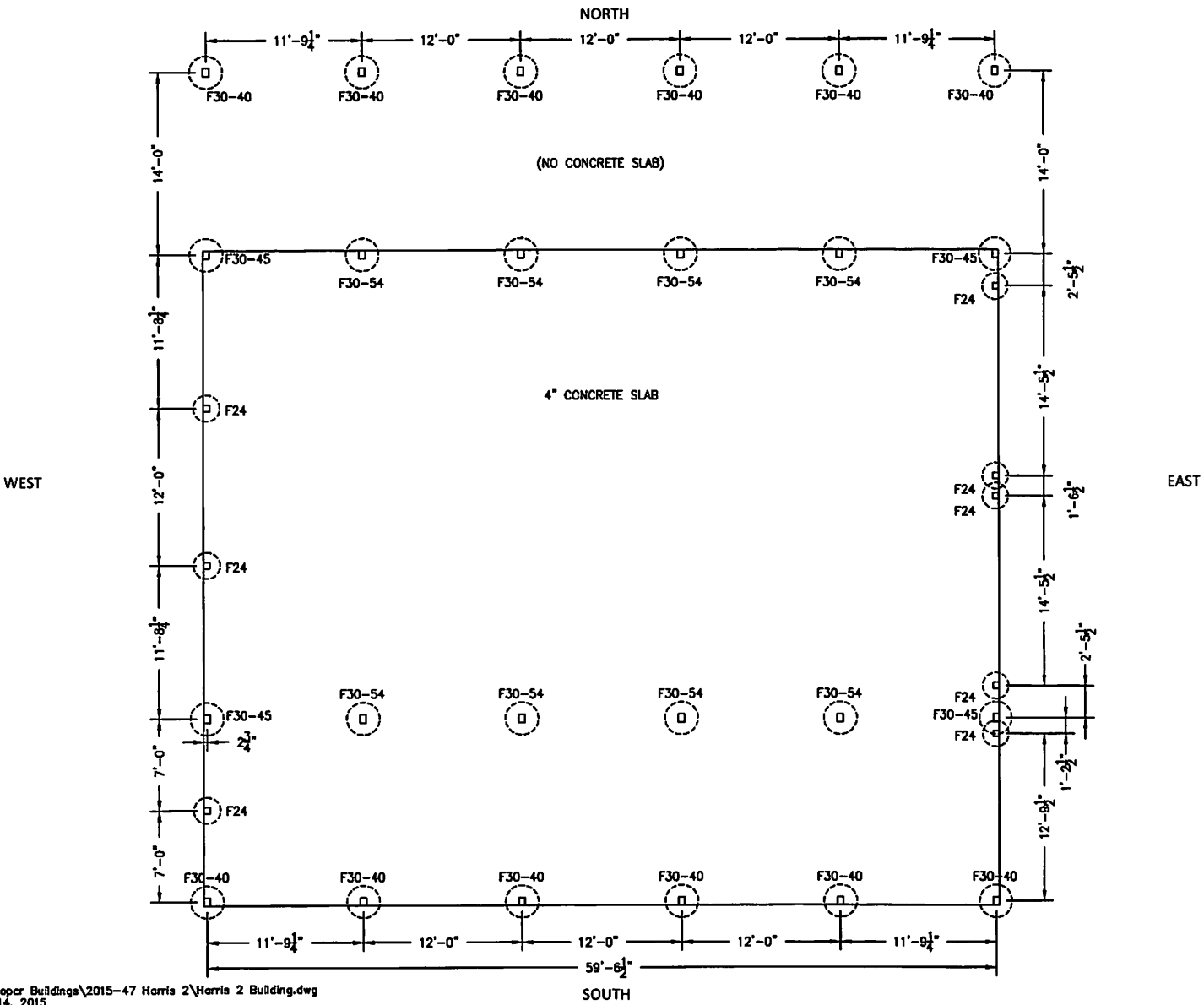
DATE

09/14/15

# FOUNDATION PLAN



- PIERS:
1. F24: 24" DIA X 40" DEEP CONCRETE PIER
  2. F30-40: 30" DIA X 40" DEEP CONCRETE PIER
  3. F30-45: 30" DIA X 45" DEEP CONCRETE PIER
  4. F30-54: 30" DIA X 54" DEEP CONCRETE PIER

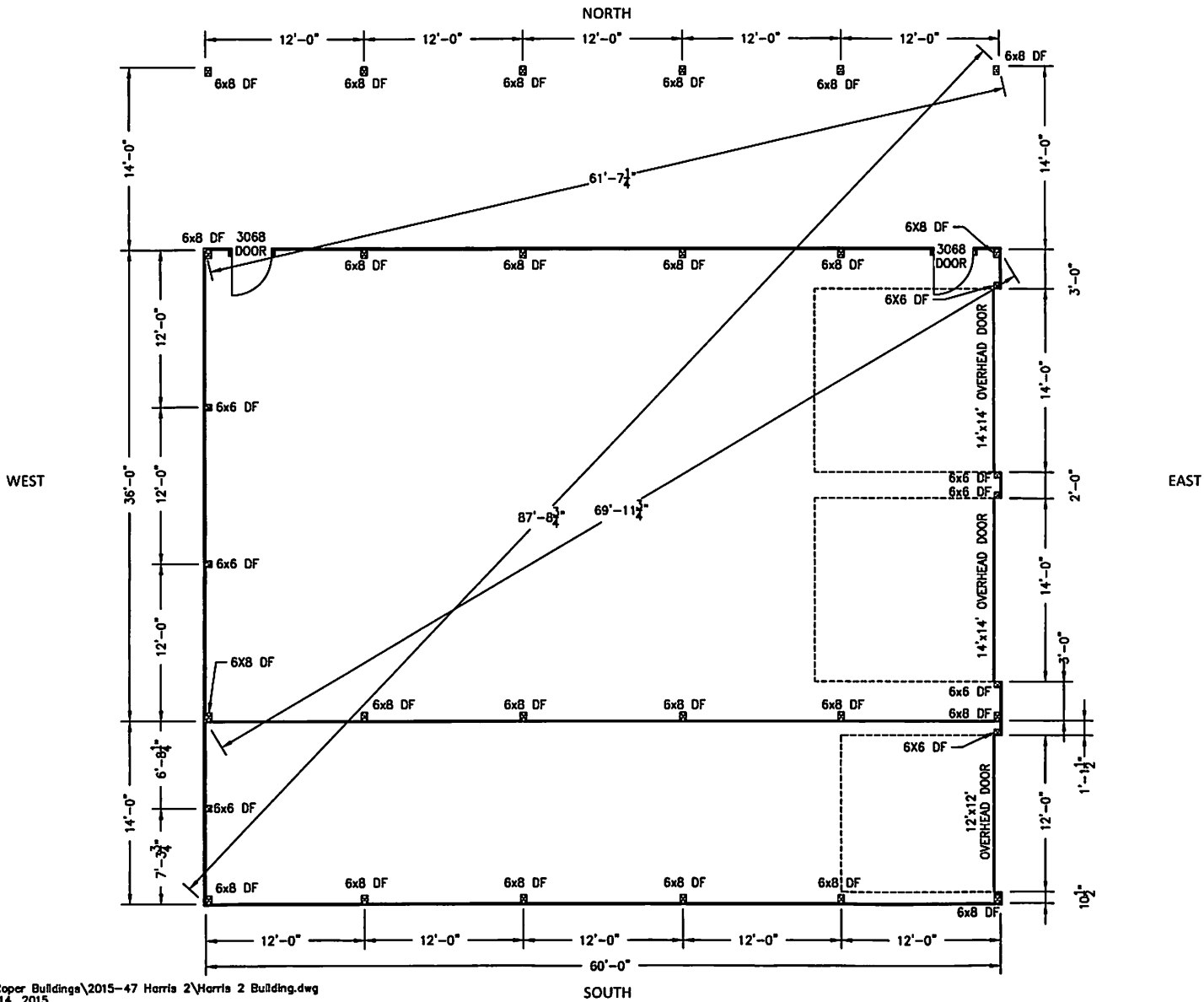


△	RELEASE TO CLIENT	09/14/15
NO.	REVISION	DATE

PROJECT INFORMATION	
<b>HARRIS #2 BUILDING</b>	
FOUNDATION PLAN	
EDEN, UTAH	

DRAWN JDL	DATE 09/14/2015
CHECKED MEC	SCALE 1/8" = 1'-0"
PROJECT # 15109	SHEET 01

# FLOOR PLAN



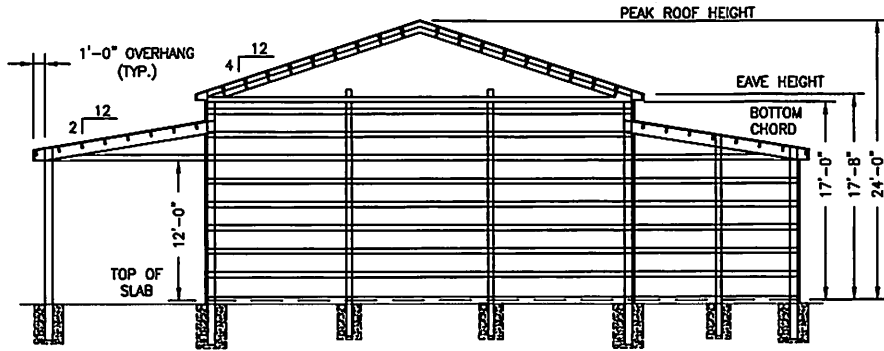
- NOTES:
1. 6x6 DF: 6x6 DF-L #2 TREATED POST. EMBED POST INTO CONCRETE PIER. SEE DETAIL ON SHEET 8.
  2. 6x8 DF: 6x8 DF-L #2 TREATED POST. EMBED POST INTO CONCRETE PIER. SEE DETAIL ON SHEET 8.

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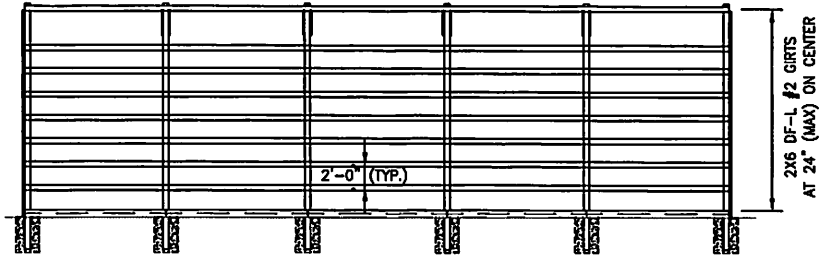
PROJECT INFORMATION	
HARRIS #2 BUILDING	
FLOOR PLAN	
EDEN, UTAH	

DRAWN JDL	DATE 09/14/2015
CHECKED MEC	SCALE 1/8" = 1'-0"
PROJECT # 15109	SHEET 02

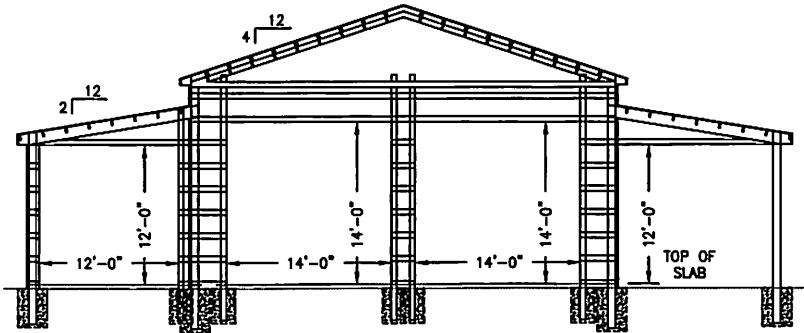
# GIRT PLAN



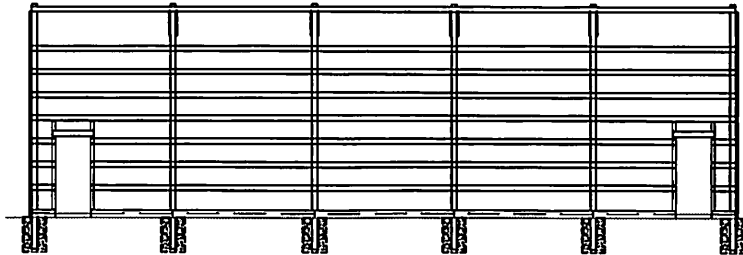
GABLE END GIRT WALL - WEST



SIDE GIRT WALL - SOUTH



GABLE END GIRT WALL - EAST



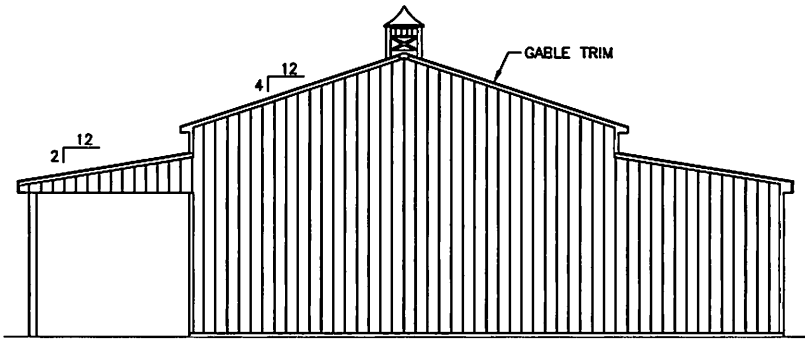
SIDE GIRT WALL - NORTH

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NO.	REVISION	DATE

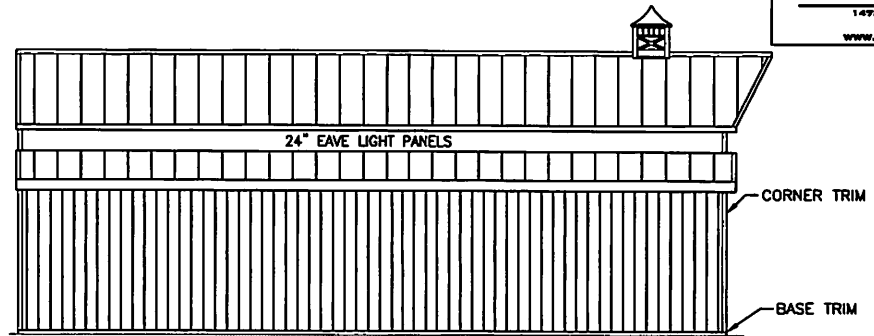
PROJECT INFORMATION	
HARRIS #2 BUILDING	
GIRT PLAN	
EDEN, UTAH	

DRAWN	JDL	DATE	09/14/2015
CHECKED	MEC	SCALE	3/32" = 1'-0"
PROJECT #	15109	SHEET	03

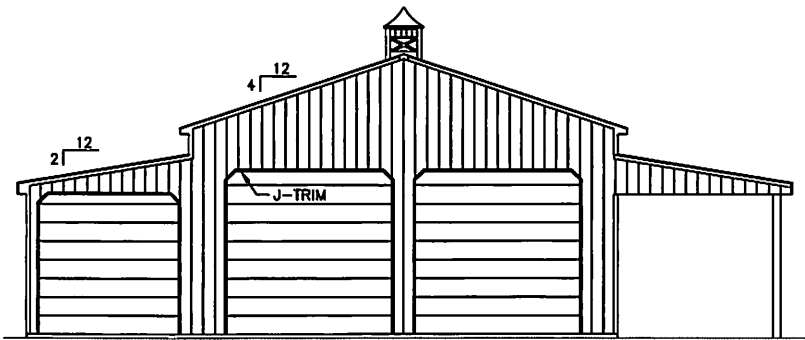
# ELEVATIONS



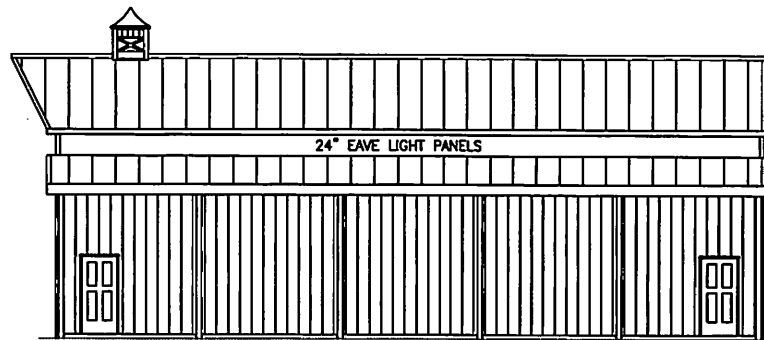
GABLE END ELEVATION - WEST



SOUTH ELEVATION



GABLE END ELEVATION - EAST



NORTH ELEVATION

△	RELEASE TO CLIENT	09/14/15
NO.	REVISION	DATE

PROJECT INFORMATION	
HARRIS #2 BUILDING	
ELEVATIONS	
EDEN, UTAH	

DRAWN	DATE
JDL	09/14/2015
CHECKED	SCALE
MEC	3/32" = 1'-0"
PROJECT #	SHEET
15109	04

# ROOF PLAN

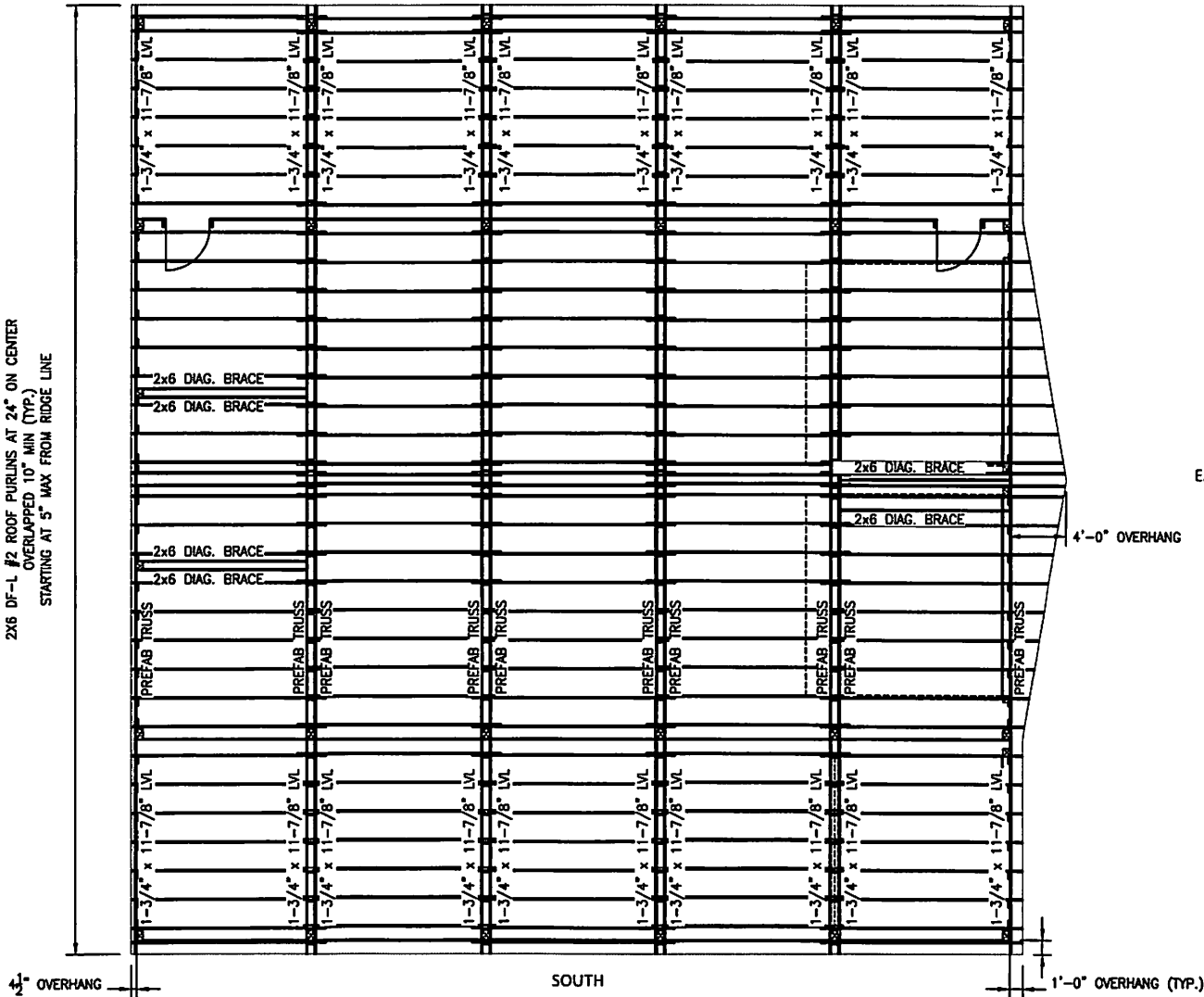
NORTH



WEST

EAST

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



4'-0" OVERHANG

SOUTH

4'-0" OVERHANG

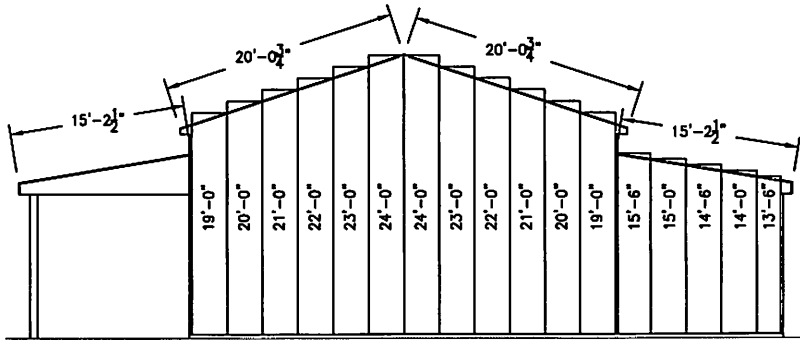
1'-0" OVERHANG (TYP.)

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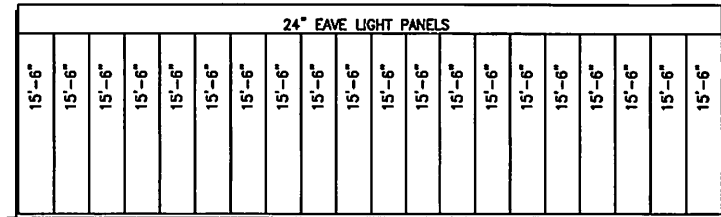
PROJECT INFORMATION	
HARRIS #2 BUILDING	
ROOF PLAN	
EDEN, UTAH	

DRAWN	JDL	DATE	09/14/2015
CHECKED	MEC	SCALE	1/8" = 1'-0"
PROJECT #	15109	SHEET	05

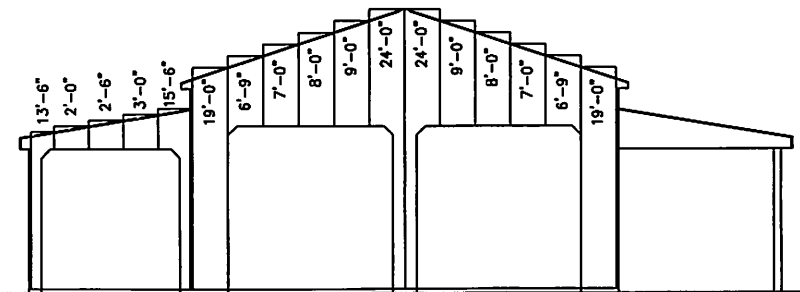
# PANEL LAYOUT



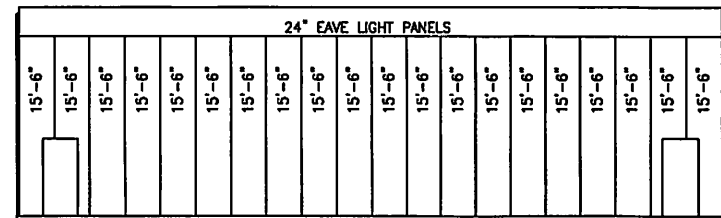
END PANEL LAYOUT - SOUTH



SIDE PANEL LAYOUT - EAST



END PANEL LAYOUT - NORTH



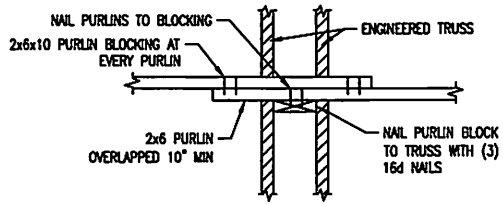
SIDE PANEL LAYOUT - WEST

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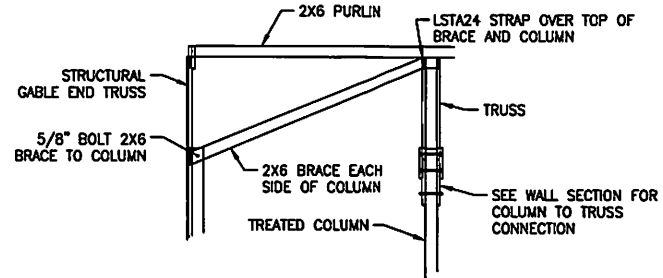
PROJECT INFORMATION	
HARRIS #2 BUILDING	
PANEL LAYOUT	
EDEN, UTAH	

DRAWN	DATE
JDL	09/14/2015
CHECKED	SCALE
MEC	3/32" = 1'-0"
PROJECT #	SHEET
15109	06

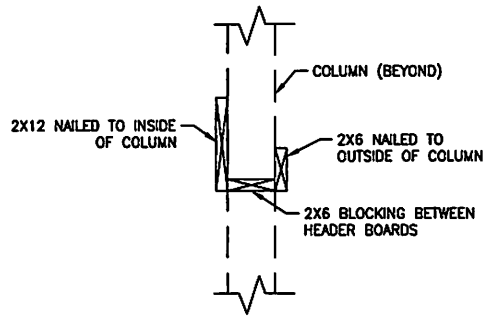
# DETAIL SHEET



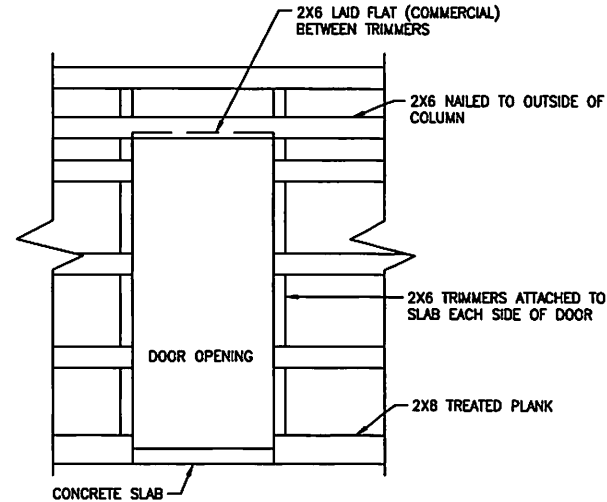
**PURLIN CONNECTION**  
NOT TO SCALE



**COLUMN TO TRUSS BRACE**  
NOT TO SCALE



**OVERHEAD DOOR HEADER**  
NOT TO SCALE



**MAN DOOR OPENING**  
NOT TO SCALE

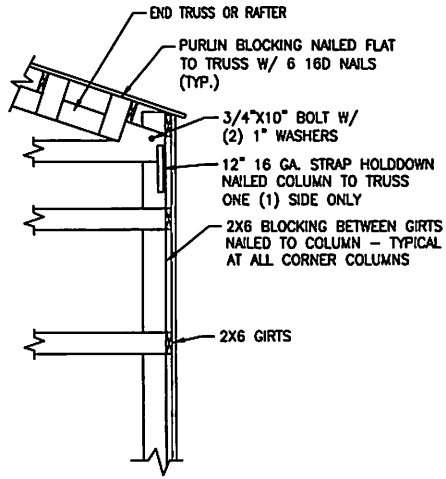
⚠	RELEASE TO CLIENT	09/14/15
NO.	REVISION	DATE

PROJECT INFORMATION	
HARRIS #2 BUILDING	
DETAIL SHEET	
EDEN, UTAH	

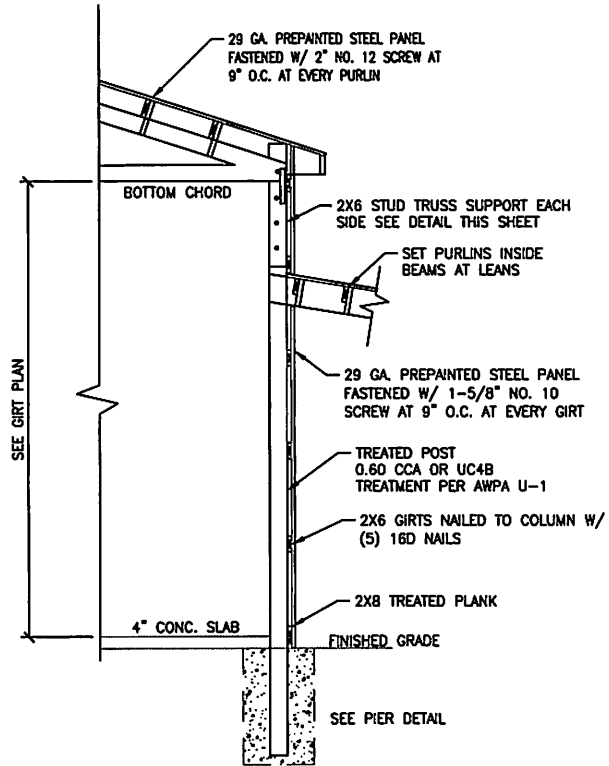
DRAWN	JDL	DATE	09/14/2015
CHECKED	MEC	SCALE	1/8" = 1'-0"
PROJECT #	15109	SHEET	07



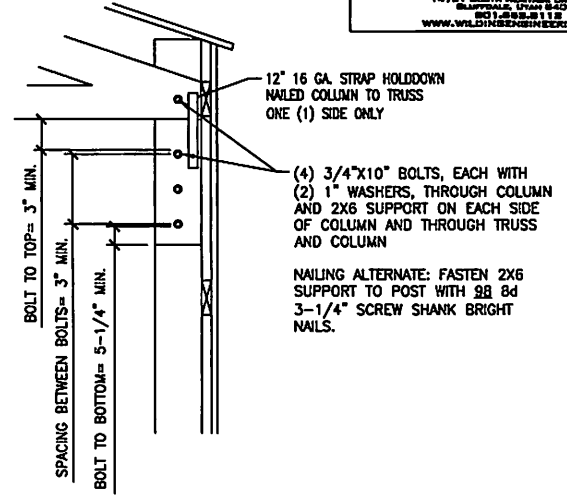
# DETAIL SHEET



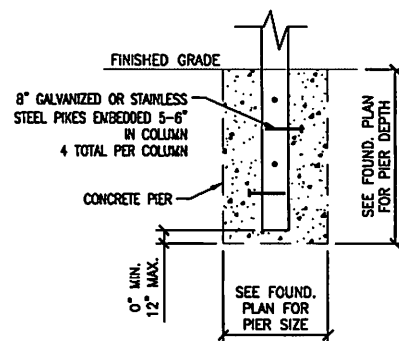
**CORNER BLOCKING**  
NOT TO SCALE



**TYPICAL WALL SECTION**  
NOT TO SCALE



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



**PIER DETAIL**  
NOT TO SCALE

	RELEASE TO CLIENT	09/14/15
NO.	REVISION	DATE

PROJECT INFORMATION	
<b>HARRIS #2 BUILDING</b>	
DETAIL SHEET	
EDEN, UTAH	

DRAWN	JDL	DATE	09/14/2015
CHECKED	MEC	SCALE	1/8" = 1'-0"
PROJECT #	15109	SHEET	08