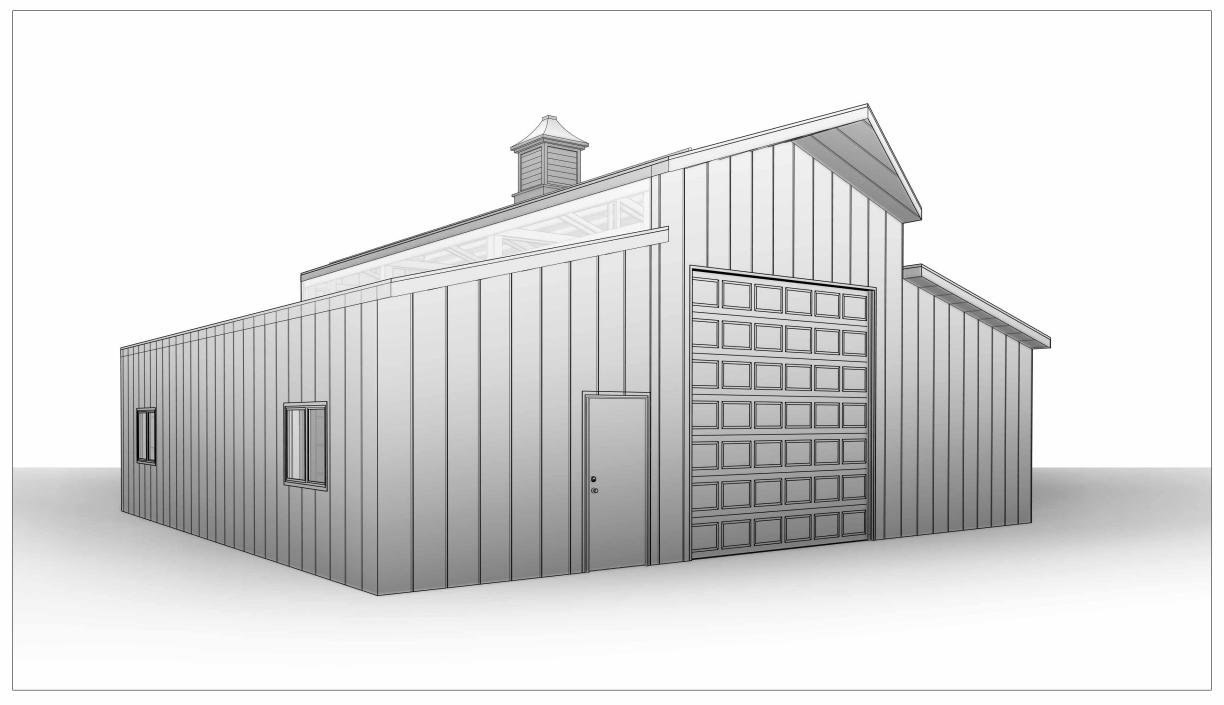
# ROPER BUILDINGS GARILYN NELSON BLDG.





# A4

**BUILDING INFORMATION:** DIMENSIONS: 16' x 36' = 576 Sq. Ft.

LEAN DIMENSIONS: (2) 12' x 36' = 864 Sq. Ft.

TOTAL SQUARE FOOTAGE: 1,440 Sq. Ft.

# **SITE INFORMATION:** ADDRESS: 195 S. 3600 W. West Weber, UT 84404

**BUILDING INFORMATION** 

**USAGE:** Agricultural

## Title Page Foundation Plan First Floor Plan A3 Framing Plans Roof Plan Elevations A6 Panel Layouts A7 Details 1 Details 2 Engineering Notes

**DRAWING INDEX** 

9/30/2022

ROPER BUILDINGS / DMLP RESOURCES PHONE: (801) 689-3630



GARILYN NELSON BLDG 195 S. 3600 W. West Weber, UT 84404

NORTH

09/30/2022

Type

F24

Count

20

PIERS

Diameter

24"

Depth

30"

Date: 9/30/2022

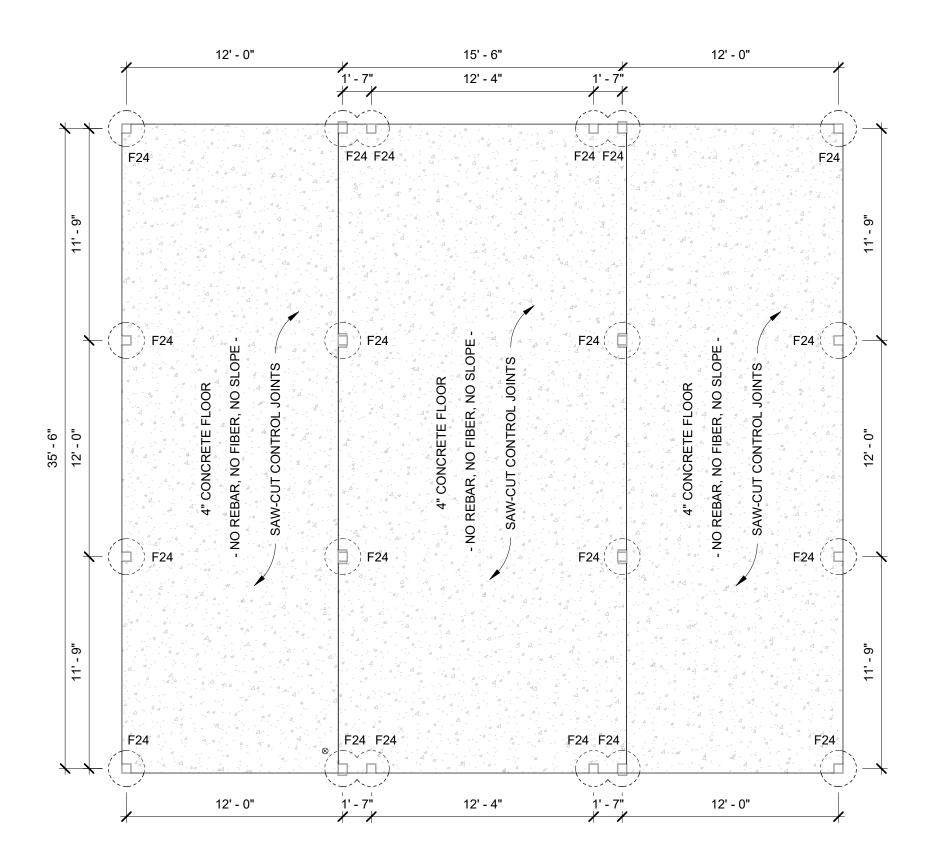
Scale: 3/16" = 1'-0"

Drawn by: JDJ Job: NELSON

Sheet Size: B 17" x 11"

Foundation Plan

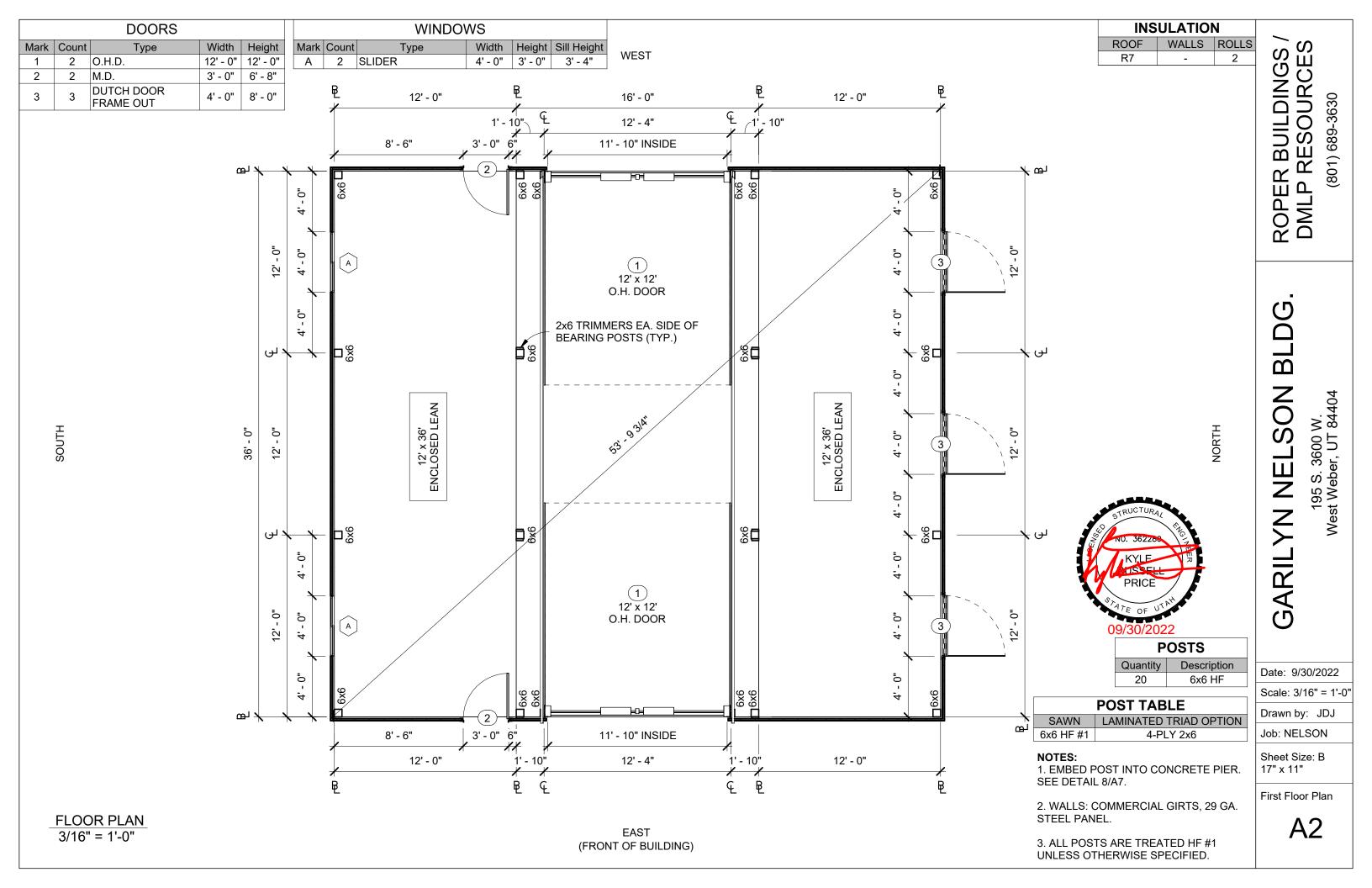
**A1** 



**FOUNDATION PLAN** 3/16" = 1'-0"

SOUTH

EAST (FRONT OF BUILDING)



Date: 9/30/2022

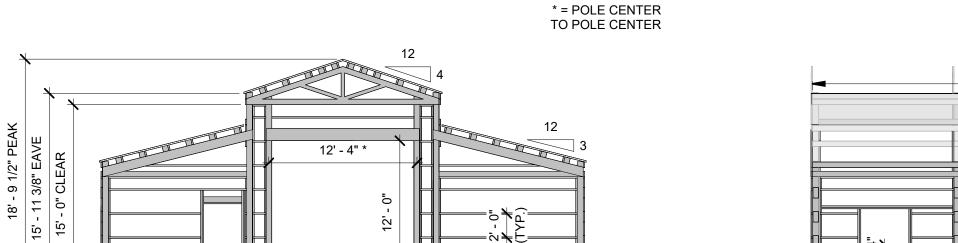
Scale: 1/8" = 1'-0" Drawn by: JDJ

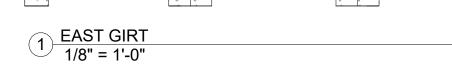
Job: NELSON

Sheet Size: B 17" x 11"

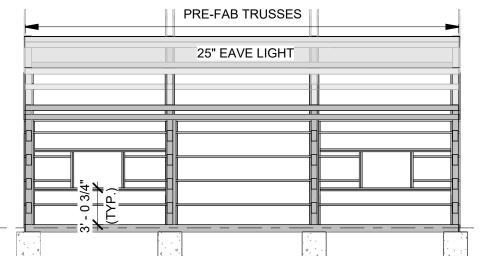
Framing Plans

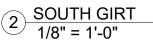
**A3** 





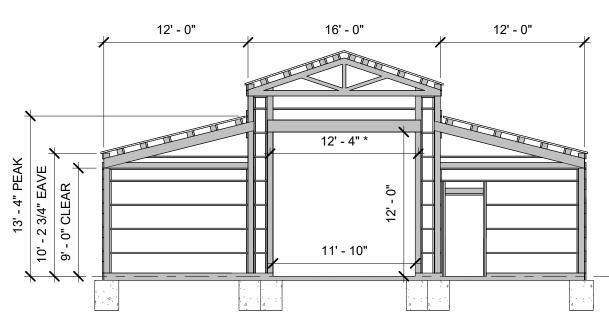
11' - 10"

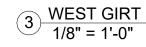


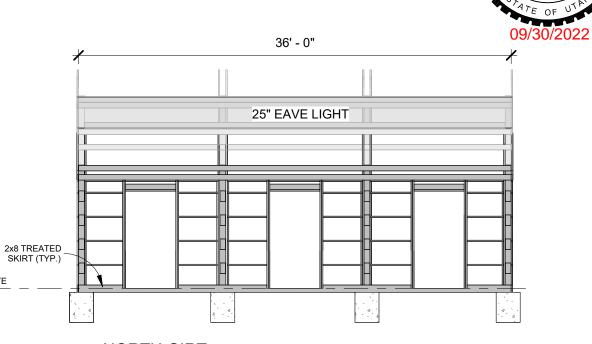


T.O. CONCRETE

T.O. CONCRETE







NORTH GIRT 1/8" = 1'-0"

Scale: 3/16" = 1'-0"

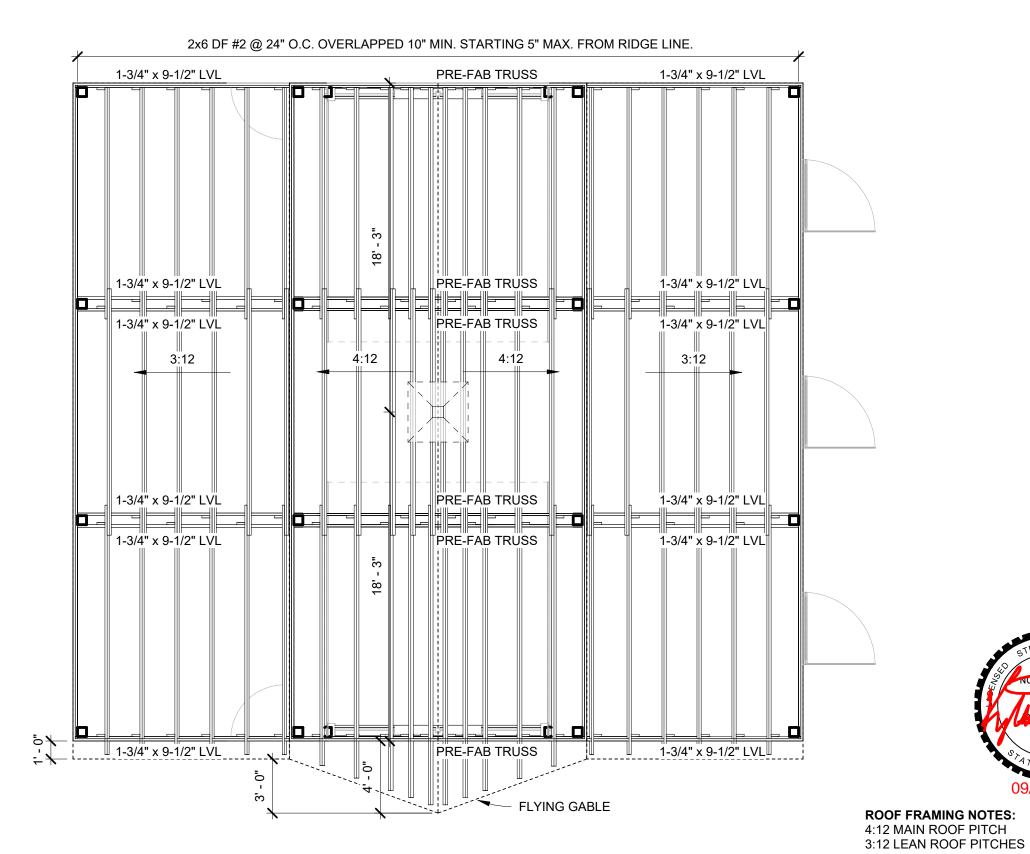
Drawn by: JDJ

Job: NELSON

Sheet Size: B 17" x 11"

Roof Plan

PURLINS: 2x6 DF #2 @ 24" O.C. OVERLAPPED 10" MIN. STARTING 5" MAX. FROM RIDGE LINE. **A4** 



**ROOF PLAN** 3/16" = 1'-0"

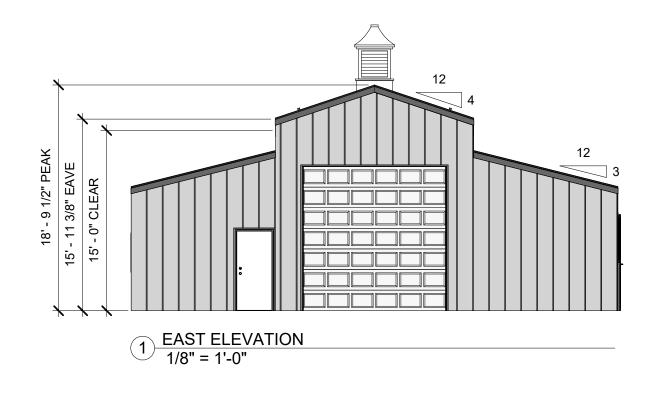
SOUTH

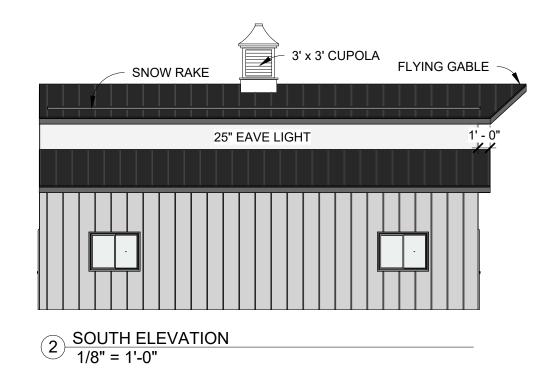
**EAST** 

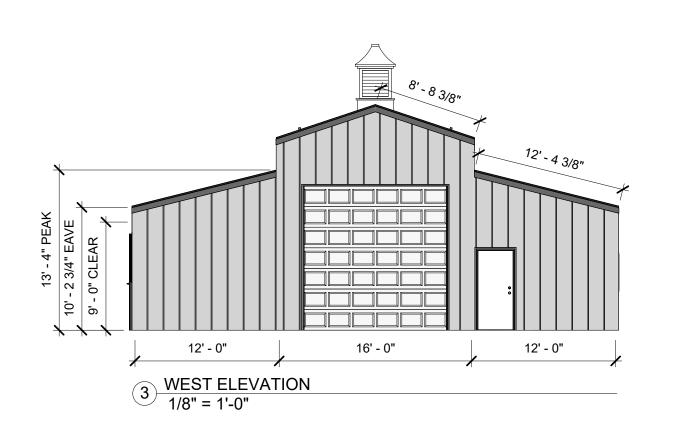
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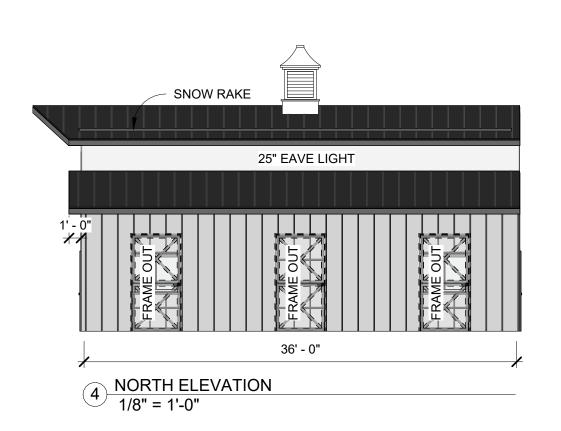
Elevations

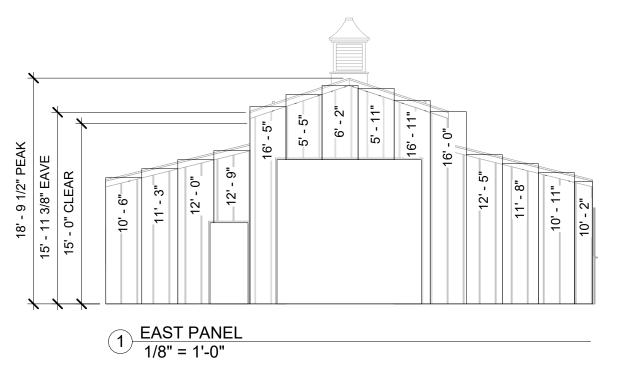
**A5** 











\_5' - 11"

16' - 11"

-13' - 3"

12' - 0"

WEST PANEL 1/8" = 1'-0"

13' - 4" PEAK

10' - 2 3/4" EAVE

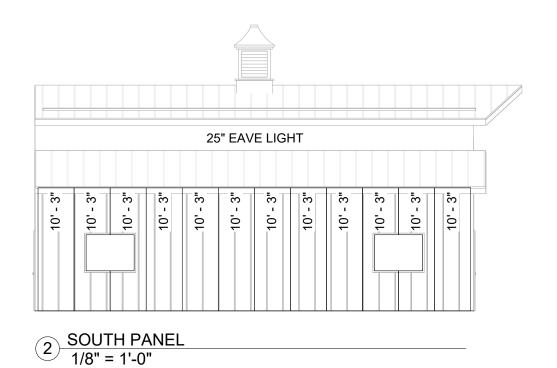
9' - 0" CLEAR

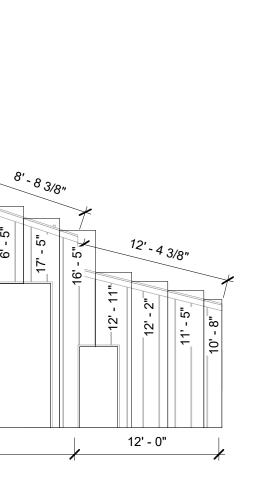
11' - 0"

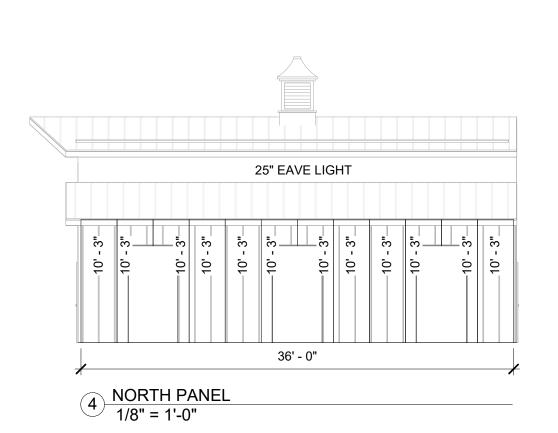
...8 - .9

16' - 0"

6' - 5"







PANEL	SCHEDULE
Quantity	Panel Height
1	5' - 5" 5' - 11" 6' - 2" 6' - 5" 6' - 8" 10' - 2" 10' - 3" 10' - 6"
2	5' - 11"
1	6' - 2"
2 1 1 1	6' - 5"
1	6' - 8"
1	10' - 2"
24	10' - 3"
1	10' - 6"
1	10' - 8"
1	10' - 11"
1	11' - 0"
1	11' - 3"
1	11' - 5"
1 1 1	11' - 8"
	11' - 9"
1	12' - 0"
1	12' - 2"
1	12' - 5"
1	12' - 6"
1	10' - 8" 10' - 11" 11' - 0" 11' - 3" 11' - 5" 11' - 8" 11' - 9" 12' - 0" 12' - 2" 12' - 5" 12' - 6" 12' - 6" 12' - 11" 13' - 3"
1	12' - 11"
1	13' - 3"
1	16' - 0"
2	16' - 5"
1 1 2 2 1	16' - 0" 16' - 5" 16' - 11"
1	17' - 5"

GARILYN NELSON BLDG

195 S. 3600 W. West Weber, UT 84404

ROPER BUILDINGS / DMLP RESOURCES

(801) 689-3630

Date: 9/30/2022

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

Drawn by: JDJ

Job: NELSON

Sheet Size: B 17" x 11"

Panel Layouts

**A6** 

(801) 689-3630

Drawn by: JDJ

Job: NELSON

Sheet Size: B 17" x 11"

Details 1

**A7** 

2x6 EAVE PURLIN **EXTENSIONS BOTH SIDES** PURLINS PER PLAN OF POST. FACE NAIL (5)16D. FACE NAIL UPPER WALL **TRUSSES** GIRT TO POST (5)16D. (1) 3/4" THRU BOLT W/ WASHER #RS300 HOLDDOWN NAILED TRUSSES TO POST. COLUMN TO TRUSS BOTH PROVIDE CONTINUOUS 2x6 SIDES. TRIMMER, TRUSS TO POST CONCRETE. FACE NAIL TO POST

# SEE FOUND. PLAN FOR PIER SIZE FINISHED GRADE SEE FOUND. PLAN FOR PIER DEPTH 8" SPIKES EMBEDDED 5" TO 6" IN COLUMN **4 TOTAL PER COLUMN** CONC. PIER

PIER DETAIL (TYPICAL) N.T.S.

**STRUCTURAL** #RS300 STRAP OVER GABLE END TOP OF BRACE AND **TRUSS COLUMN** 2x6 BRACE TRUSS EACH SIDE 5/8" BOLT OF COLUMN 2x6 BRACE TO COLUMN SEE WALL SECTION FOR COLUMN TO TREATED COLUMN TRUSS CONNECTION

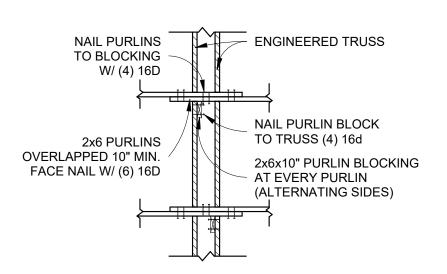
2x6 PURLIN

COLUMN TO TRUSS BRACE

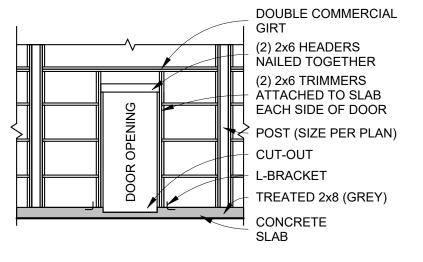
N.T.S.

TRUSS SUPPORT TO POST DETAIL N.T.S.

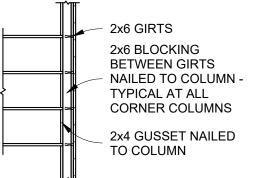
WITH (2)ROWS 16D@10" O.C.



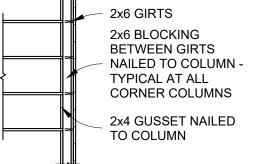
TYPICAL PURLIN CONNECTION N.T.S.

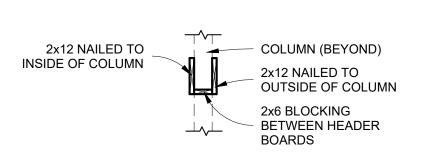


MD OPENING N.T.S.

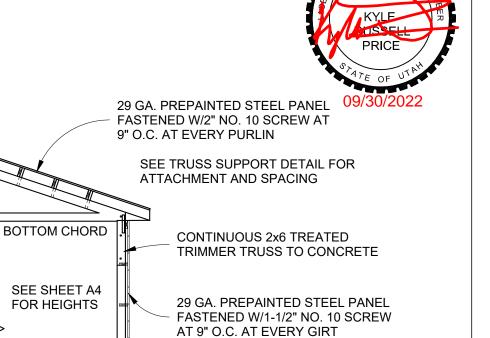


CORNER BLOCKING DETAIL





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



2x6 GIRTS NAILED TO COLUMN W/(5) 16d NAILS COMMERCIAL

FOR SPACING

FINISHED GRADE

SEE PIER DETAIL

TYPICAL WALL SECTION

N.T.S.

GIRTS (LAID FLAT) SEE SHEET A4

TREATED BOTTOM POST 0.60 CCA OR

UC4B TREATEMENT PER AWPA U-1

(801) 689-3630



Date: 9/30/2022 Scale: As indicated

Drawn by: JDJ

Job: NELSON

Sheet Size: B

17" x 11"

Details 2

**8A** 

BARRIER BETWEEN METAL SIDING PANEL SEE TYPICAL AND AC Q TREATED LUMBER WALL SECTION ON SHEET 07 PANEL FASTENERS **INSIDE CLOSURE STRIP BASE TRIM** CONCRETE SLAB AS OCCURS SEE FOUNDATION PLAN SLOPE GRADE AWAY FROM 2x8 TREATED PLANK BUILDING MIN. OF 1/2" PER FOOT FOR A MIN. OF 6'

WINDOW/DOOR HEADER FLASHING

SIDING PANEL SEE

ON SHEET A7
PANEL FASTENERS

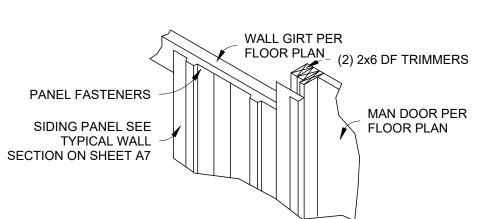
DRIP CAP TRIM

TYPICAL WALL SECTION

T.O. ROOF DETAIL N.T.S.

**TRUSS** 

(PER PLAN)



BASE GUARD FLASHING

N.T.S.

WINDOW JAMB FLASHING **(5**)

**INSIDE CLOSURE** 

2x HEADER PER **DETAIL SHEET A7** 

WINDOW OR

**STRIP** 

**DOOR** 

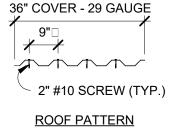
WALL GIRT PER FLOOR PLAN (2) 2x6 DF TRIMMERS PANEL FASTENERS WINDOW PER SIDING PANEL SEE FLOOR PLAN TYPICAL WALL SECTION ON SHEET A7

> WINDOW OPENING (COMMERCIAL GIRTS) N.T.S.

MAN DOOR JAMB FLASHING

**ROOF PATTERN WALL PATTERN** GIRTS Ċ O.  $\mathsf{ALL}$ 18 ∞ O.C. <u>\_</u>6 ALT. <u>.</u>6 (6) SCREWS SCREWS (TYP.)

**ROOF & WALL PANELS: 29 GA. AG PANELS** FABRAL NAME: GRAND RIB 3 - 3' COVER TRI-STATE NAME: TUFF RIB - 3' COVER



36" COVER - 29 GAUGE 1-1/2" #10 SCREW (TYP.)

WALL PATTERN

ROPER BUILDINGS SCREW PATTERNS N.T.S.

TRUSS SUPPORT TO POST DETAIL



FIRST GIRT SPACING

FROM RIDGE OF TRUSS

REMAINING PURLINS

DOUBLE PURLINS FOR RIDGE

SPACED PER PLAN

**BACKING ADDED TO TOP** 

**PURLINS ON BOTH SIDES** 

(2) 2x6 HEADERS

EACH SIDE OF

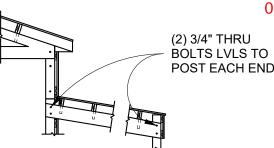
**WINDOW** 

NAILED TOGETHER (2) 2x6 TRIMMERS

**COMMERCIAL GIRTS** 

WINDOW OPENING

POST (SIZE PER PLAN)



N.T.S.

**GARILYN NEL** 

# **DESIGN CRITERIA**

2018 IBC, ASCE 7 **GOVERNING CODE:** 

RISK CATEGORY I

LIVE LOADS:

1. SNOW LOAD: **GROUND Pg** 43 PSF

ROOF Ps 30 PSF + DRIFT

Pf: 30 PSF

Cs: 0.94 Ce: 1.0 Ct: 1.2 l: 8.0

2. WIND: **DESIGN SPEED:** 

> 105 MPH 3 SEC. GUST EXPOSURE: C

3. SEISMIC: SDC: D R: 1.5 OR 2.5 (SW) I: 1.0

SITE CLASS: D (ASSUMED)

1.23 Sms: 0.64 Sm1: Sds: 0.82

FORCE RESISTING SYSTEM:

CANTILEVERED POSTS OR WOOD SHEAR WALL

W/ CORR. METAL SHEATHING

ANALYSIS PROCEDURE: SIMPLIFIED (IBC 12.14.8)

4. SOIL BEARING: ALLOWABLE PRESSURE ON NATIVE SOIL:

1500 PSF (ASSUMED)

5. DEAD LOADS: ROOF 3 PSF (TRUSSES, PURLINS, METAL)

> **FLOOR** 10 PSF

WALL 3 PSF (POSTS, GIRTS, METAL) 145 PCF (FTGS, FOUND, ETC) CONCRETE

## **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'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.



Date: 9/30/2022 Scale:

Drawn by: JDJ

Job: NELSON

Sheet Size: B 17" x 11"

**Engineering Notes** 

**A9**