

Susie Hetrick

1932 SW County Road 18, Fort White, FL 32038

54'x30' OPEN POLE BARN STRUCTURE

**RIDGEPOINT
DESIGN**
 566 SW ARLINGTON BLVD., STE 101, LAKE CITY, FL 32025
 P: 386-288-1188
 E: RIDGEPOINTDESIGN@GMAIL.COM

1. ALL CONSTRUCTION SHALL COMPLY WITH 2020 FLORIDA BUILDING CODE 7th EDITION

ULTIMATE WIND SPEED: 130
 NOMINAL WIND SPEED: 101
 WIND EXPOSURE CATEGORY: B
 RISK CATEGORY 1
 INTERNAL PRESSURE COEFFICIENT $G_{cpi} = +/- 0.0$
 DESIGN PRESSURE PER FBC CHAPTER 16
 DESIGN ROOF LIVE LOAD = 20 PSF
 DESIGN ROOF DEAD LOAD = 3.5 PSF
 MIN SOIL BEARING 2500 PSF
 TRUSS BEARING LOAD EACH END = 4600 LBS
 TRUSS UPLIFT @ POST = 2880 LBS

- WOOD FRAMING AND FASTENERS TO MEET NDS-2012 REQUIREMENTS
- FASTER REQUIREMENTS: (1) ALL NAILS ARE COMMON GALVANIZED; (2) ALL BOLTS ARE TO BE GALVANIZED STEEL AND INCLUDE NUTS AND WASHERS; AND (3) ALL OTHER HARDWARE (SIMPSON, ETC) IS TO BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS. NAILING (SIZE AND NUMBER) SHALL SATISFY TABLES 2306.2. (1) AND 2306.3(#) FBC UNLESS OTHERWISE INDICATED. NOTE: FASTENERS EXPOSED TO THE WEATHER ARE TO BE TREATED FOR WEATHER RESISTANCE AND COMPATIBLE WITH THE TYPE OF PRESSURE TREATED WOOD USED (CONNECTORS, NAILS, BOLTS, NUTS AND WASHERS)

2. CONCRETE CONSTRUCTION NOTES:

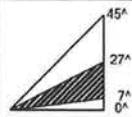
- CONCRETE WORK SHALL CONFORM TO "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI-318) ANDE "SPECIFICATIONS FOR STRUCTURAL CONCRETE" (ACI-301), LATEST EDITION
- CONCRETE MIX SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS. ALL CONCRETE MIXES SHALL CONTAIN A WATER-REDUCING ADMIXTURE CONFORMING TO ASTM C-494. AIR-ENTRAINING ADMIXTURE SHALL CONFORM TO ASTM C-260

CONCRETE MIX A

ULTIMATE COMPRESSIVE STRENGTH @ 28 DAYS	3000 PSI
SLUMP RANGE	4" +/- 1"
MAXIMUM AGGREGATE SIZE	1"
ENTRAINED AIR	NONE
DRY WEIGHT PER CUBIC FOOT	150 #

3. SHOTCRETE MIX

- ALL CONCRETE SHALL BE CURED FOR A MINIMUM OF 28 DAYS. IF FORMS FOR VERTICAL SURFACES ARE REMOVED PRIOR TO THE END OF THE CURING PERIOD, SPRAY SURFACES WITH LIQUID MEMBRANE CURING COMPOUND
- REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 40 ($F_y=40$ ksi). LAP CONTINUOUS BARS FOR TENSION LAP SPLICE PER ACI-318, UNLESS OTHERWISE NOTED. PROVIDE CORNER BARS OF SAME SIZE AND SPACING AS HORIZONTAL WALL REINFORCEMENT. COVER FOR CONCRETE REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ACI-318, PARAGRAPH 7.7
- WELDED WIRE FABRIC (WWF) SHALL CONFORM TO ASTM A185. LAP SHEETS TWO MESH SPACES AND WIRE TIE ADJACENTS SHEETS TOGETHER SECURELY. CUT ALTERNATE REINFORCEMENT AT CONTROL JOINTS
- ALL SLABS ON GRADE SHALL HAVE CONSTRUCTION OR CONTROL JOINTS NOT TO EXCEED 15'-0" SPACING, UNLESS OTHERWISE NOTED.
- ELECTRICAL CONDUIT AND OTHER PIPES TO BE EMBEDDED IN STRUCTURAL CONCRETE FLOOR SLABS OR WALLS SHALL BE PLACED IN ACCORDANCE WITH THE REQUIREMENTS OF ACI-318, PARAGRAPH 6.3



BUILDING COMPONENTS & CLADDING LOADS
 MEAN BUILDING HEIGHT = 30.0', EXPOSURE "B"
 ROOF ANGLE 7° TO 27°

ZONE	AREA	Vult			
		110 MPH	120 MPH	130 MPH	140 MPH
1	10	12.0 / -19.9	14.9 / -23.7	17.5 / -27.8	20.3 / -32.3
	20	11.4 / -19.4	13.6 / -23.0	16.0 / -27.0	18.5 / -31.4
	50	10.0 / -18.6	11.9 / -22.2	13.9 / -26.0	16.1 / -30.2
2	10	12.5 / -34.7	14.9 / -41.3	17.5 / -48.4	20.3 / -56.2
	20	11.4 / -31.9	13.6 / -38.0	16.0 / -44.6	18.5 / -51.7
	50	10.0 / -28.2	11.9 / -33.6	13.9 / -39.4	16.1 / -45.7
3	10	12.5 / -51.3	14.9 / -61.0	17.5 / -71.6	20.3 / -83.1
	20	11.4 / -47.9	13.6 / -57.1	16.0 / -67.0	18.5 / -77.7
	50	10.0 / -43.5	11.9 / -51.8	13.9 / -60.8	16.1 / -70.5
4	10	21.8 / -23.6	25.9 / -34.7	30.4 / -33.0	35.3 / -38.2
	20	20.8 / -22.6	24.7 / -26.9	29.0 / -31.6	33.7 / -36.7
	50	19.5 / -21.3	23.2 / -25.4	27.2 / -29.8	31.6 / -34.6
5	10	21.8 / -29.1	25.9 / -34.7	30.4 / -40.7	35.3 / -47.2
	20	20.8 / -27.2	24.7 / -32.4	29.0 / -38.0	33.7 / -44.0
	50	19.5 / -24.6	23.2 / -29.3	27.2 / -34.3	31.6 / -39.8

HEIGHT & EXPOSURE ADJUSTMENT COEFFICIENTS FOR BUILDING COMPONENTS & CLADDING

BLDG HEIGHT	EXPOSURE "B"	EXPOSURE "C"	EXPOSURE "D"
15	1.00	1.21	1.47
20	1.00	1.29	1.55
25	1.00	1.35	1.61
30	1.00	1.40	1.66

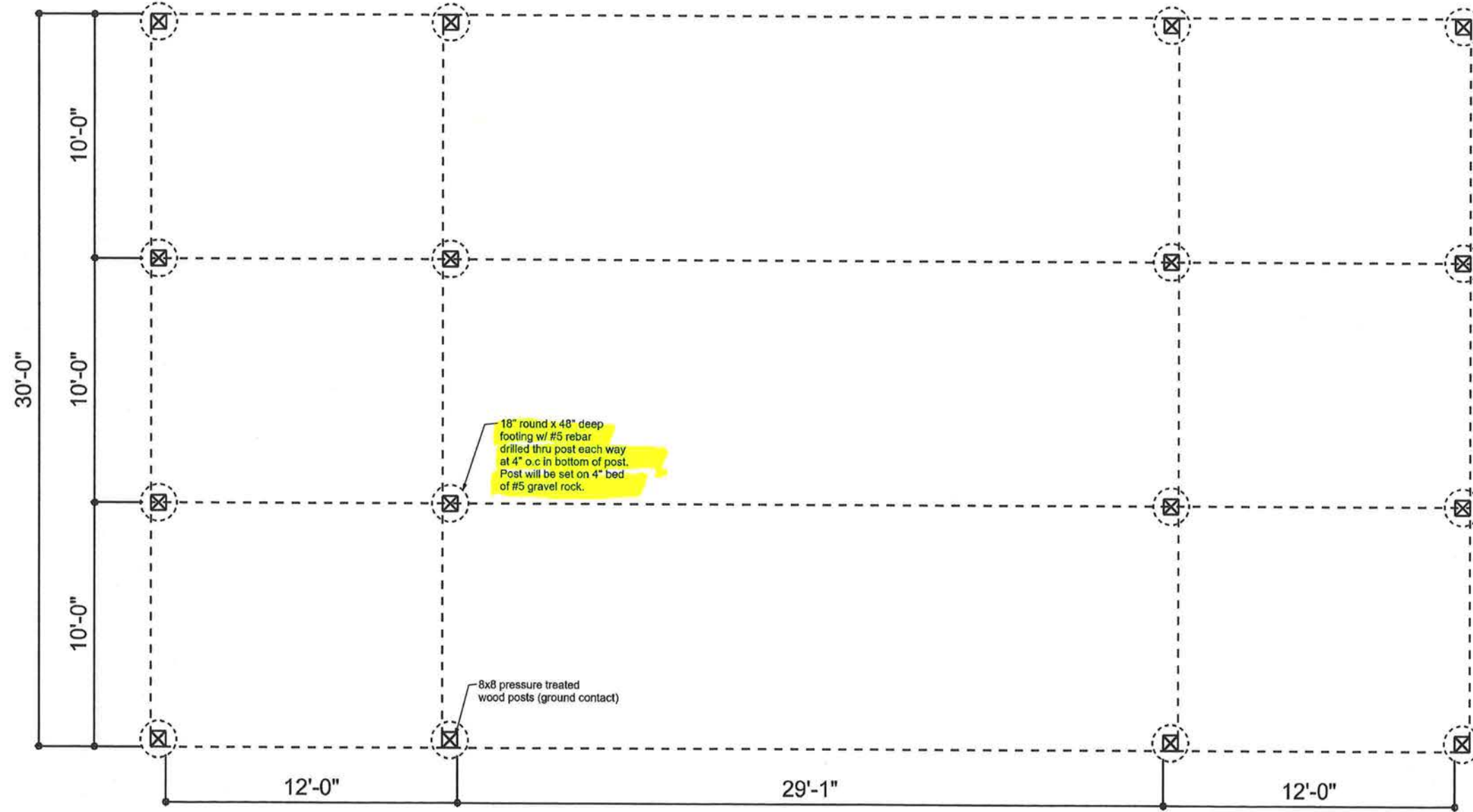


**NICHOLAS
PAUL
GEISLER**
ARCHITECT
 N.C.A.R.B. Certified
 1156 NW Brown Rd.
 Lake City, FL 32055

Susie Hetrick

1932 SW County Road 18, Fort White, FL 32038

54'x30' OPEN POLE
BARN STRUCTURE

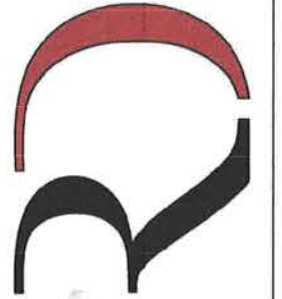


FOUNDATION PLAN VIEW

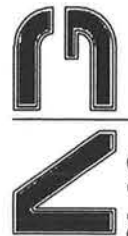
SCALE: NOT TO SCALE

**RIDGEPOINT
DESIGN**

566 SW ARLINGTON BLVD, STE 101, LAKE CITY, FL 32025
P: 386-288-1188
E: RIDGEPOINTDESIGN@GMAIL.COM



AR0007005



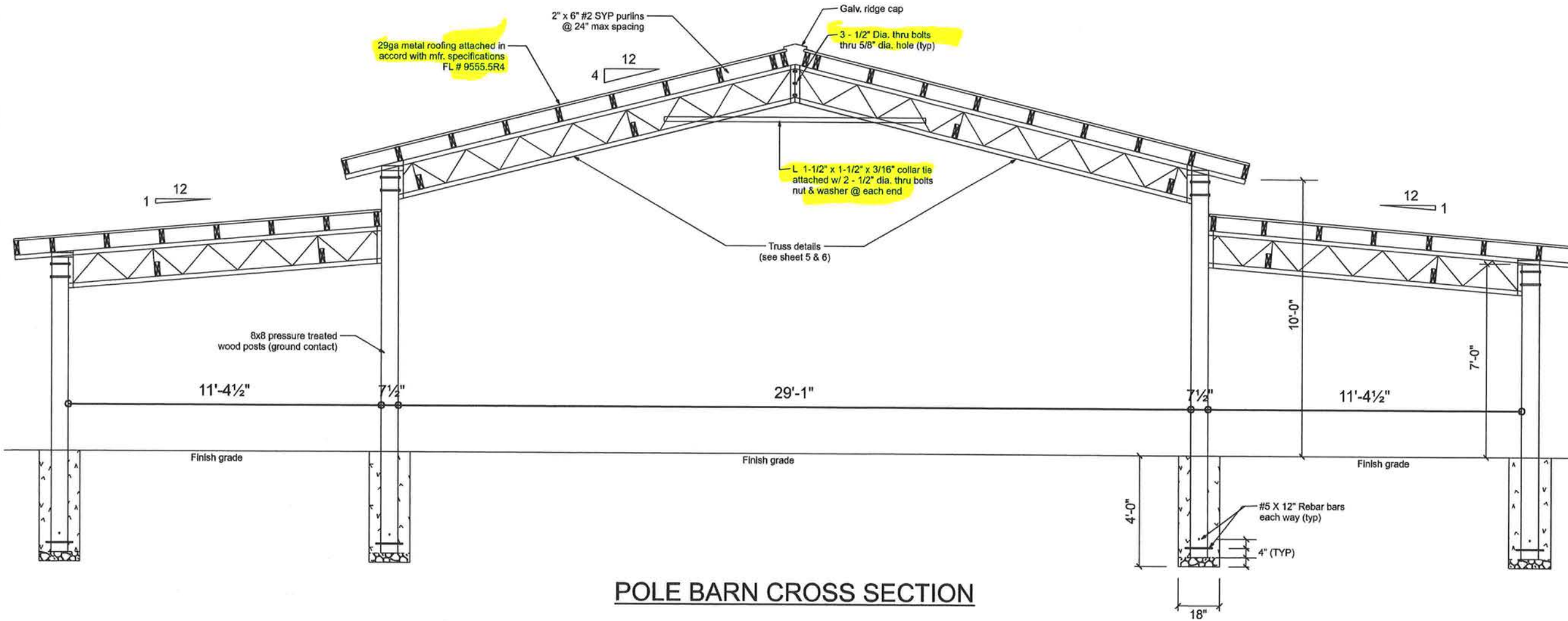
**NICHOLAS
PAUL
GEISLER**
ARCHITECT
N.C.A.R.B. Certified

1758 NW Brown Rd,
Lake City, FL 32055

Susie Hetrick

1932 SW County Road 18, Fort White, FL 32038

54'x30' OPEN POLE
BARN STRUCTURE



**RIDGEPOINT
DESIGN**
566 SW ARLINGTON BLVD., STE 101, LAKE CITY, FL 32025
P: 386-288-1188
E: RIDGEPOINTDESIGN@GMAIL.COM



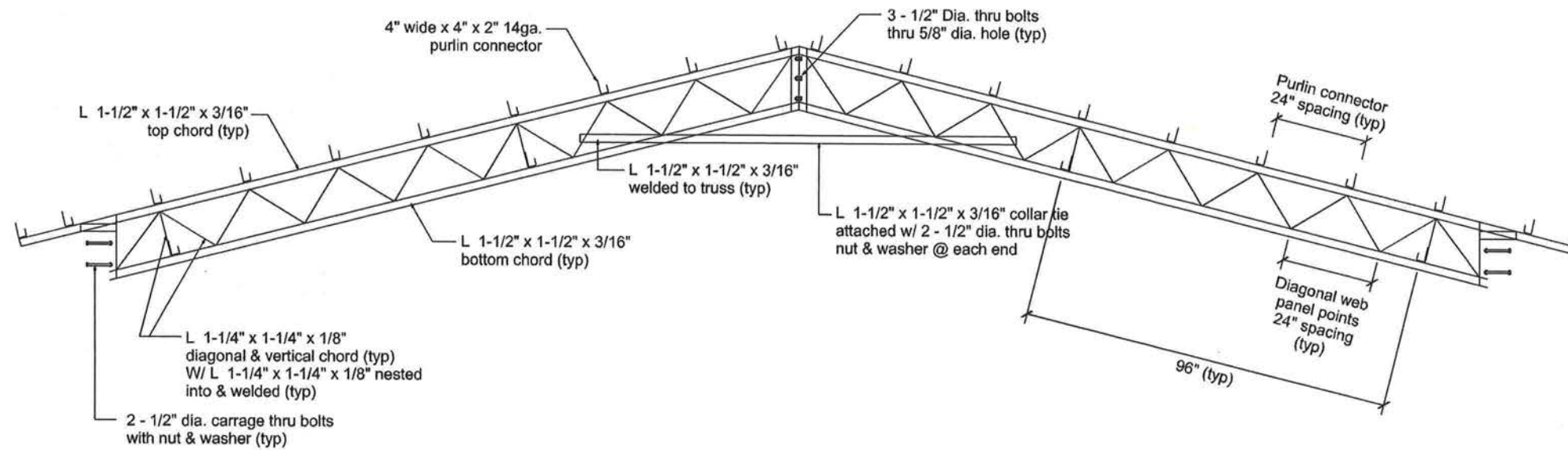
**NICHOLAS
PAUL
GEISLER
ARCHITECT**
N.C.A.R.E. Certified

1158 NW Brown Rd.
Lake City, FL 32055

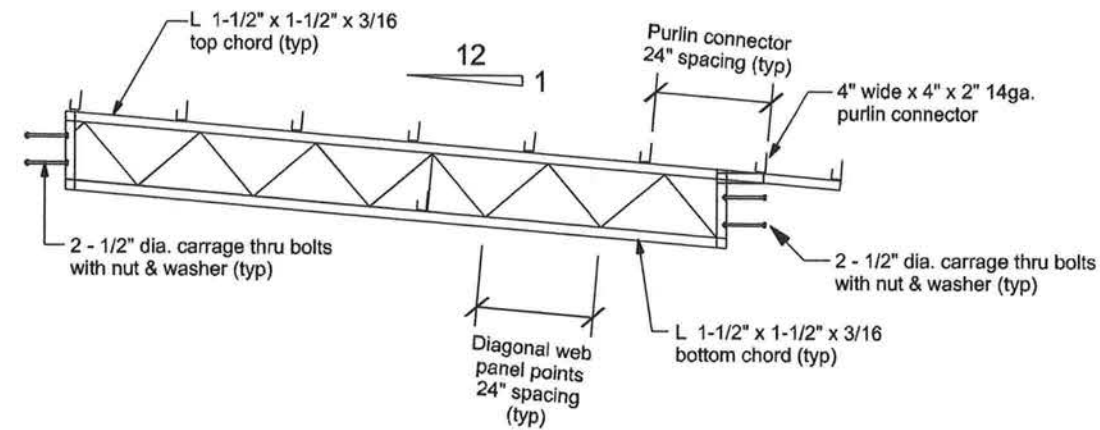
Susie Hetrick

1932 SW County Road 18, Fort White, FL 32038

54'x30' OPEN POLE
BARN STRUCTURE



STEEL TRUSS CROSS SECTION

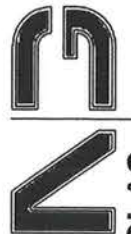
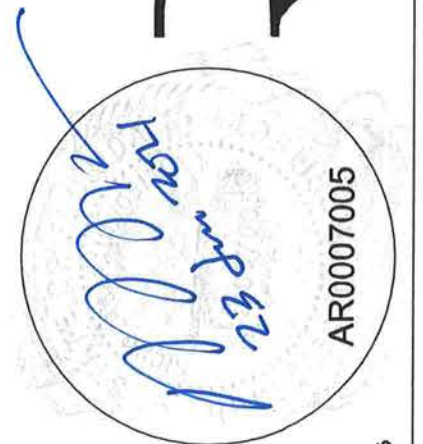
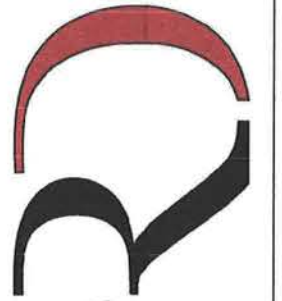


LEAN TO TRUSS SECTION

NOTES:

1. MATERIALS SHALL CONFORM TO STEEL ASTM 513
2. ALL STEEL SHALL BE 50KSI IN ACCORD WITH CURRENT AISC MANUAL.
3. WELDING ELECTRODES TYPE E70XX
4. ALL WELDING SHALL BE IN ACCORD WITH CURRENT AWWA REQUIREMENTS
5. ALL WELDING SHALL BE DONE BY A CERTIFIED WELDER.
6. BOLTS SHALL BE ASTM A325. w/ NUTS & WASHERS (TYP)
7. WELD STRENGTH 70 KSI MIN.
8. ALL POST SHALL BE PRESSURE TREATED GROUND CONTACT.
9. PRIMING & PAINTING SHALL BE DONE BY TRUSS MANUFACTURER.
10. MIN EDGE DISTANCE FOR BOLTS HOLES SHALL BE 3/4" MIN.
11. MAX TRUSS SPACING SHALL NOT EXCEED 12'-0"
12. THE DESIGNER DISCLAIMS ANY RESPONSIBILITY FOR DAMAGES AS A RESULT OF POOR WORKMANSHIP, OR IMPORPER USE, AND ACCEPTS NO RESPONSIBLTY OR EXERCIESES NO CONTROL WITH REGARD TO FABRICATION, HANDLING, AND INSTALLATION OF TRUSSES.

**RIDGEPOINT
DESIGN**
566 SW ARLINGTON BLVD, STE 101, LAKE CITY, FL 32025
P: 386-288-1188
E: RIDGEPOINTDESIGN@GMAIL.COM



**NICHOLAS
PAUL
GEISLER**
ARCHITECT
N.C.A.R.B. Certified

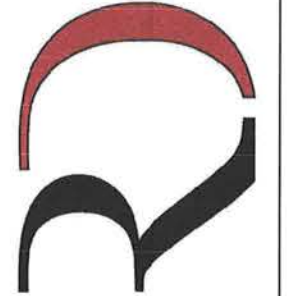
1158 NW Brown Rd,
Lake City, FL 32055

Susie Hetrick

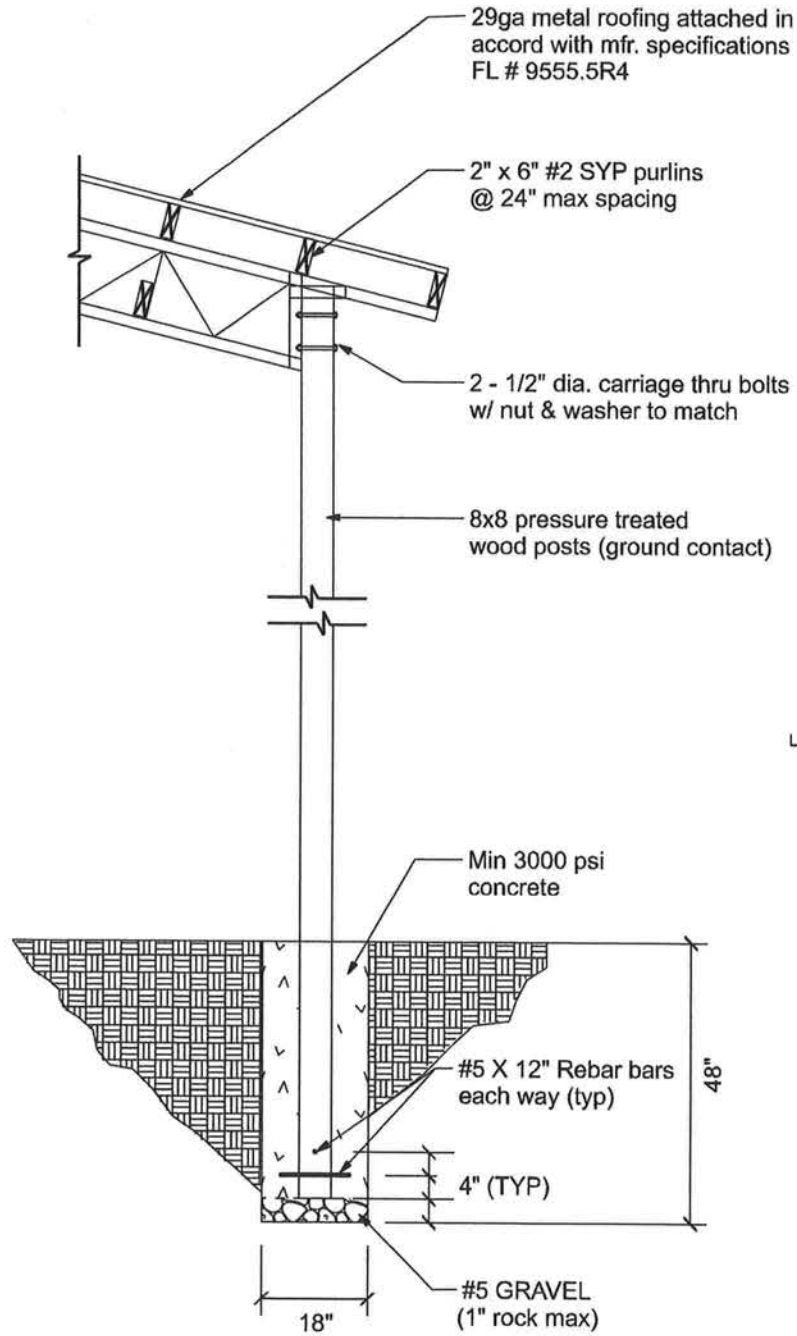
1932 SW County Road 18, Fort White, FL 32038

54'x30' OPEN POLE BARN STRUCTURE

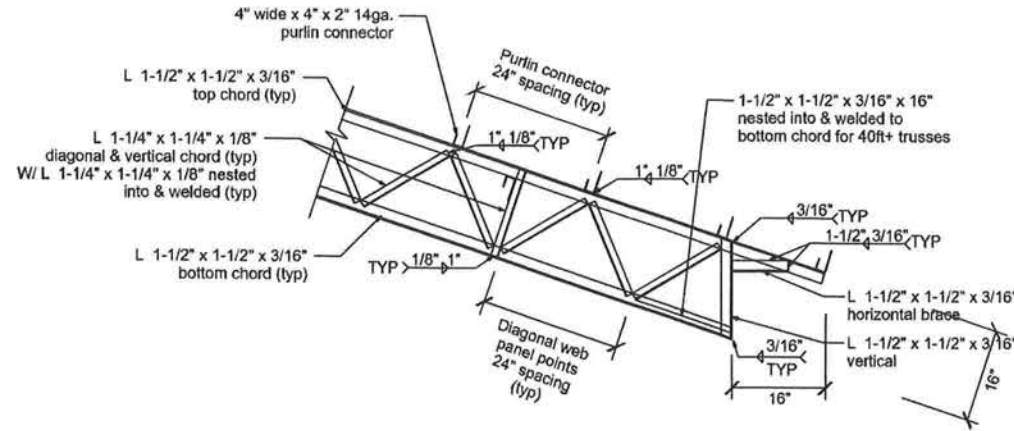
RIDGEPOINT DESIGN
 566 SW ARLINGTON BLVD, STE 101, LAKE CITY, FL 32025
 P: 386-288-1188
 E: RIDGEPOINTDESIGN@GMAIL.COM



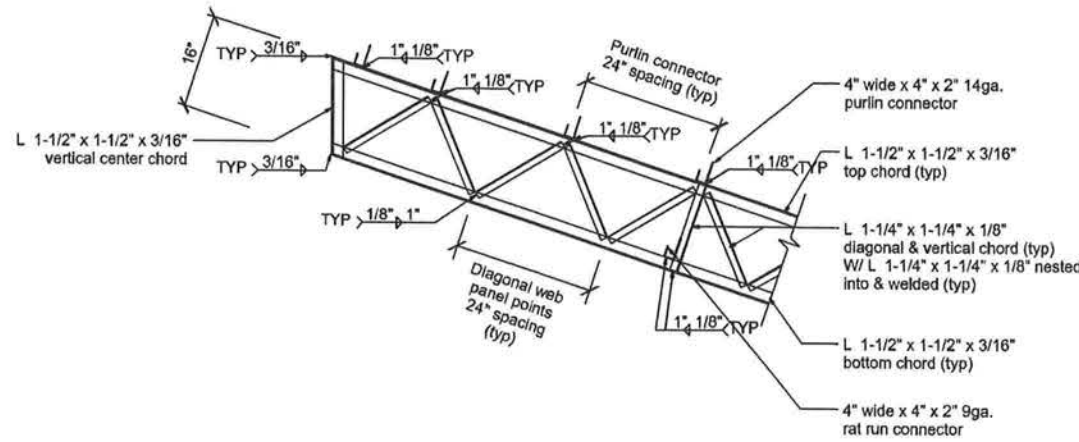
NICHOLAS PAUL GEISLER ARCHITECT
 N.C.A.R.B. Certified
 1758 NW Brown Rd.
 Lake City, FL 32055



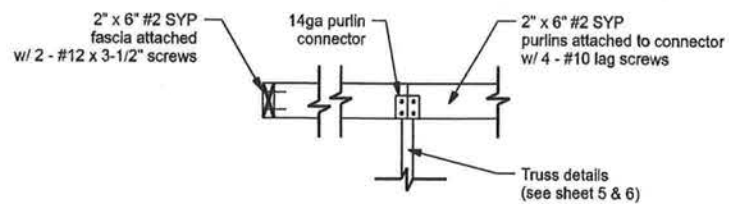
POST & FOOTING SECTION



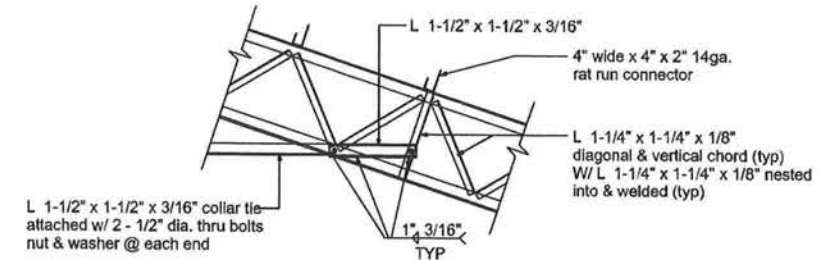
TRUSS END SECTION



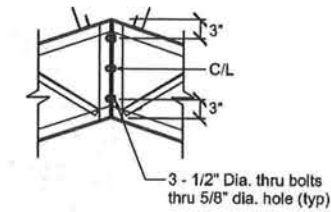
TRUSS CENTER SECTION



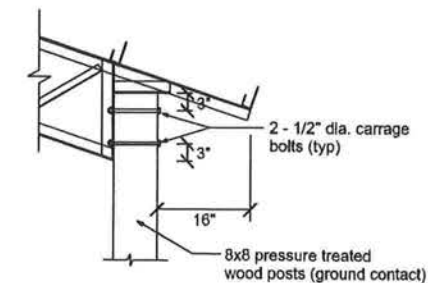
PURLIN CONNECTION SECTION



COLLAR TIE SECTION



CENTER RIDGE SECTION



POST TO TRUSS CONNECTION

NICHOLAS PAUL GEISLER ARCHITECT
 N.C.A.R.B. Certified
 1758 NW Brown Rd.
 Lake City, FL 32055