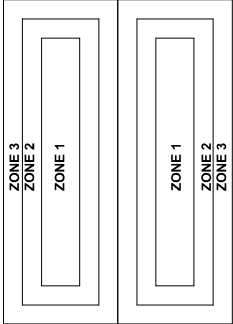


ZONE 1 +/- 19.74
ZONE 2 +/- 29.98
ZONE 3 +/- 41.75



WIND PRESSURE - COMPONENTS & CLADDING

WIND EXPOSURE CATEGORY			
☒ A	☐ B	☐ C	☐ D

MAIN BUILDING DIMENSIONS

D-1			
BARN WIDTH (FT)	6"X6" POST	8"X8" POST	
50	-	48'-8"	
40	39'-1"	38'-8"	
38	37'-1"	36'-8"	
36	35'-1"	34'-8"	
34	33'-1"	32'-8"	
32	31'-1"	30'-8"	
30	29'-1"	28'-8"	
28	27'-1"	26'-8"	
26	26'-0"	24'-8"	
24	23'-1"	22'-8"	
22	21'-1"	20'-8"	
20	19'-1"	18'-8"	
18	17'-1"	16'-8"	
15	14'-1"	13'-8"	
14	13'-1"	12'-8"	
12	11'-1"	10'-8"	

ULTIMATE & NOMINAL WIND SPEEDS	
ULTIMATE	NOMINAL
120	93
130	101
140	108
150	116
155	120
160	124
170	132
180	139

DESIGN CRITERIA:

FLORIDA BUILDING CODE 2023 8TH ED.
DESIGN LOADS PER ASCE 7-22
DESIGN SPEED - 130 MPH
ROOF LIVE LOAD - 12.5 PSF
DEAD LOAD - 2.5 PSF
WIND RISK CATEGORY - I
EXPOSURE CATEGORY - B
IMPORTANCE FACTOR - 1.0
INTERNAL WIND PRESSURE - +/- 0.18 PSI

MAIN POST HEIGHT (D-3)			
SIZE CIRCLED OR LESS	OTHER		
10'	12'	14'	16'
			20'

POST SPACING D-2 (FT)			
☐ 9	☐ 10	☐ 12	

POST SIZE			
☐ 6"X6"	☐ 8"X8"	☐ 10"X10"	

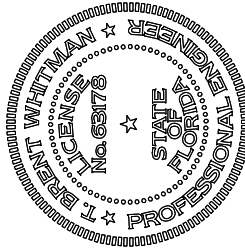
POLE BARN SPECIFICATIONS

GABLE WIDTH : 40'
BUILDING LENGTH : 40'
EAVE HEIGHT : 14'
POLE SPACING : 10'
ROOF PITCH : 3:12
RIDGE HEIGHT : 19' - 00"
WALLS : OPEN
FLOOR : DIRT
ROOF METAL : 29 GA.
SIDE METAL : NONE
POST SIZE : 8"X 8"
FOOTING SIZE : 24" X 48"
CONCRETE : 3,000 PSI

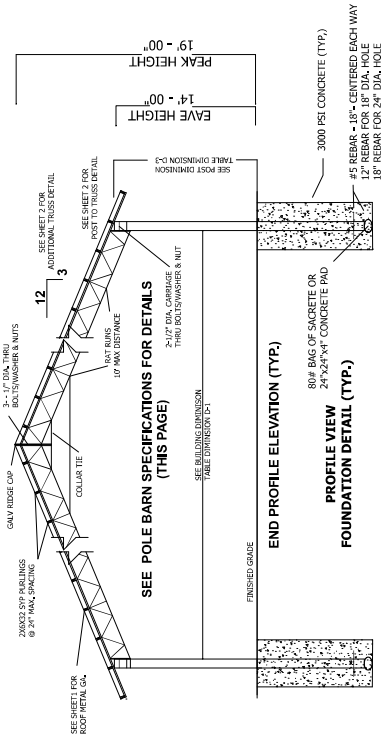
POST FOOTING SIZE	
F-1	18" DIA. X 48" DEEP
F-2	24" DIA. X 48" DEEP

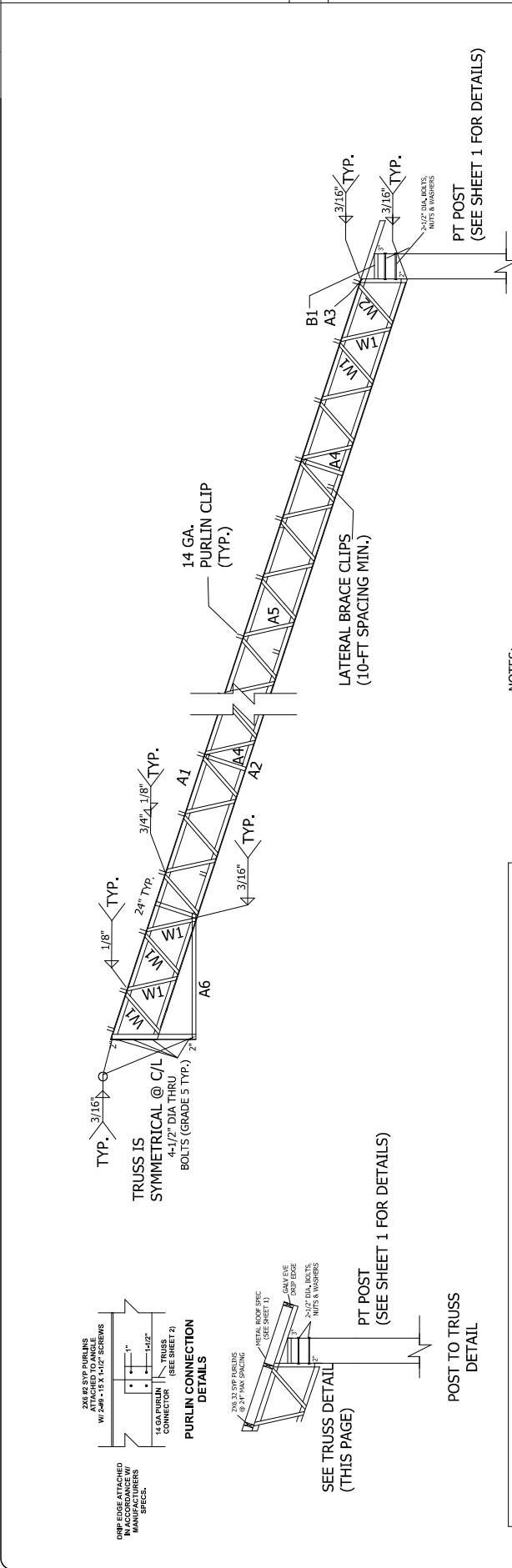
ROOF PITCH			
3/12	4/12	5/12	6/12

METAL ROOF	
26 GA	29 GA



Tomas B Whitman
2024.04.15
10:23:06 -04'00'





NOTES:

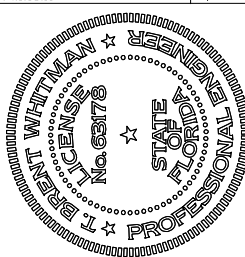
1. PURLINS SHALL BE 2X6 #2 SYP (MAX SPACE @2'-0\"/>
2. CONTRACTOR IS RESPONSIBLE FOR TEMPORARY & PERMANENT CONSTRUCTION BRACING.
3. ALL DIMENSIONS SHALL BE VERIFIED PRIOR TO FABRICATION.
4. ALL WELD PER AWS STANDARDS.
5. ALL STEEL AND FABRICATION PER AISC STANDARDS.
7. ITEM DIMENSIONS ARE TO BE MODIFIED FOR SHORTER TRUSS LENGTHS.
8. ALL FASTENERS SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
9. TRUSS DESIGN CAN BE USED FOR TRUSS LENGTHS SHORTER THAN 50 FEET.
10. WELDING ELECTRODES SHALL BE E70XX
11. ALL WELDS SHALL BE IN ACCORDANCE WITH AWS REQUIREMENTS.
12. ALL POST SHALL BE #2 DENSE PRESSURE TREATED.

NOTES: TRUSS CROSS-SECTION

- 1- MATERIALS SHALL CONFORM TO STEEL ASTM 572.
- 2- ALL STEEL SHALL BE 50ksi IN ACCORD WITH CURRENT AISC MANUAL.
- 3- WELDING ELECTRODES SHALL BE TYPE E70XX
- 4- ALL WELDING SHALL BE IN ACCORD WITH CURRENT AWS 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 #2 DENSE PRESSURE TREATED GROUND CONTACT.
- 9- PRIMING & PAINTING SHALL BE DONE BY TRUSS MANUFACTURER.
- 10- MIN EDGE DISTANCE FOR BOLTS HOLES SHALL BE 3/4\"/>
- 11- MAX TRUSS SPACING SHALL NOT EXCEED 12'-0\"/>
- 12-THE DESIGNER DISCLAIMS ANY RESPONSIBILITY FOR DAMAGES AS A RESULT OF POOR WORKMANSHIP, OR IMPROPER USE, AND ACCEPTS NO RESPONSIBILITY OR EXERCISES NO CONTROL WITH REGARD TO FABRICATION, HANDLING, AND INSTALLATION OF TRUSSES.

BILL OF MATERIALS		ITEM NO.		DESCRIPTION	MATERIAL (50 KSI)
A1	TOP CHORD	LL 2 X 2 X 3/16"	ASTM 572		
A2	BOTTOM CHORD	LL 2 X 2 X 3/16"	ASTM 572		
A3	VERTICAL CHORD	LL 3 X 2 X 3/16"	ASTM 572		
A4	TIE	L 1 1/2 X 1 1/2 X 3/16	ASTM 572		
A5	TIE	L 2 X 2 X 3/16	ASTM 572		
A6	WEB	L 2 X 2 X 3/16	ASTM 572		
W1	WEB	L 1-1/4 X 1-1/4 X 3/16	ASTM 572		
W2	WEB	L 1-1/4 X 1-1/4 X 3/16	ASTM 572		
B1	BASE	LL 2 X 2 X 3/16"	ASTM 572		

NOTE: LL * DENOTES DOUBLE ANGLES



This has been electronically signed by BRENT WHITMAN, P.E. and is a true and correct copy of the original. Printed on 10/10/2024. No. 10:23:46 -04'00'

Tomas B Whitman
2024.04.15
10:23:46 -04'00'