

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

WIND PRESSURE - COMPONENTS & CLADDING

WIND EXPOSURE CATEGORY

☒ B ☐ C ☐ D

MAIN BUILDING DIMENSIONS

D-1

BARN WIDTH (FT)	6"X6" POST	8"X8" POST
50	-	48'-8"
44	43'-1"	42'-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	25'-1"	24'-8"
24	23'-1"	22'-8"
22	21'-1"	20'-8"
20	19'-1"	18'-8"
18	17'-1"	16'-8"
16	15'-1"	14'-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 2020 7TH ED.
DESIGN LOADS PER ASCE 7-16
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

POLE BARN SPECIFICATIONS

GABLE WIDTH : **44'**
BUILDING LENGTH : **36'**
EAVE HEIGHT : **12'**
POLE SPACING : **3:12**
ROOF PITCH : **3:12**
WALLS : **OPEN**
FLOOR : **DIRT**
ROOF METAL : **29 GA.**
SIDE METAL : **NONE**
POST SIZE : **8"X8"**
FOOTING SIZE : **24"X48"**
CONCRETE : **3,000 PSI**

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

POST SPACING D-2 (FT)		
☐ 8	☐ 10	☒ 12

POST SIZE		
☐ 6"X6"	☒ 8"X8"	☐ 10"X10"

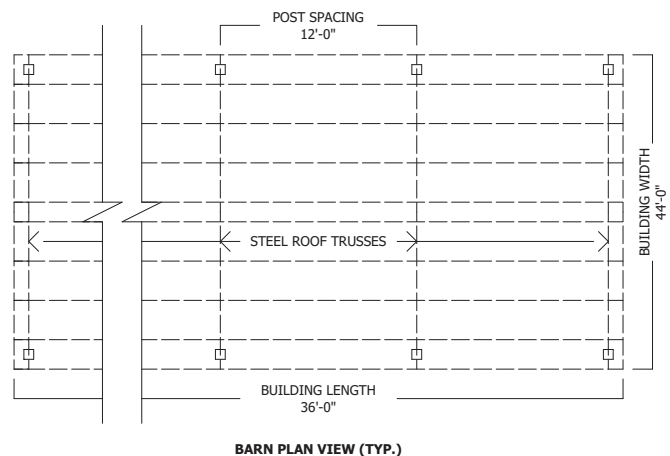
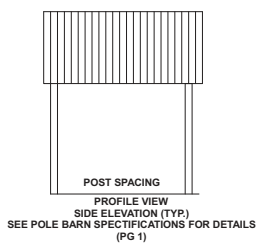
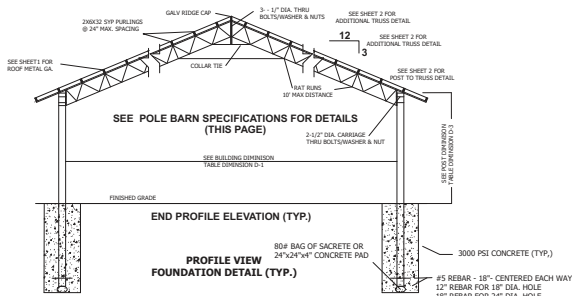
POST FOOTING SIZE	
F-1	18" DIA. X 48" DEEP
F-2	24" DIA. X 48" DEEP

ROOF PITCH			
3/12	4/14	5/12	6/12

METAL ROOF	
26 GA	29 GA



Tomas B Whitman
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- NOTES:**
1. PURLINS SHALL BE 2X6 #2 SYP (MAX SPACE @2'-0" O.C.)
 2. CONTRACTOR IS RESPONSIBLE FOR TEMPORARY & PERMANENT CONSTRUCTION BRACING.
 3. ALL DEMINSIONS SHALL BE VERIFIED PRIOR TO FABRICATION.
 4. ALL WELD PER AWS STANDARDS.
 5. ALL STEEL AND FABRICATION PER ASCI STANDARDS.
 7. ITEM DEMINSIONS ARE TO BE MODIFIED FOR SHORTER TRUSS LENGTHS.
 8. ALL FASTNERS SHALL BE INSTALLED PER MANUFACTURES SPECIFICATIONS.
 9. TRUSS DESIGN CAN BE USED FOR TRUSS LENGTHS SHORTER THAN 25 FEET.
 10. CONCRETE WORK SHALL CONFORM TO 'BUILDING CODE REQUIRMENTS FOR REINFORCED CONCRETE' (ACI-318).
 11. ALL CONCRETE SHALL BE 3000 PSI MIN. W/ WWF OR FIBER
 12. FL PRODUCT APPROVAL CODE METAL FL-31804.
 13. FL PRODUCT APPROVAL CODE ROOF SYSTEM 4595.15.




 Tomas B
Whitman
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DESIGNED BY	DAVID
CHECKED BY	DAVID
DATE	2023.07.25
PROJECT NO.	2307001
COLUMBIA COUNTY	
DATE: JULY 2023	
MADISON ENGINEERING, LLC	
CONCRETE & STEEL ENGINEERING & CONSTRUCTION	
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BOB NICHOL (44X36)	
2307001-01	
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