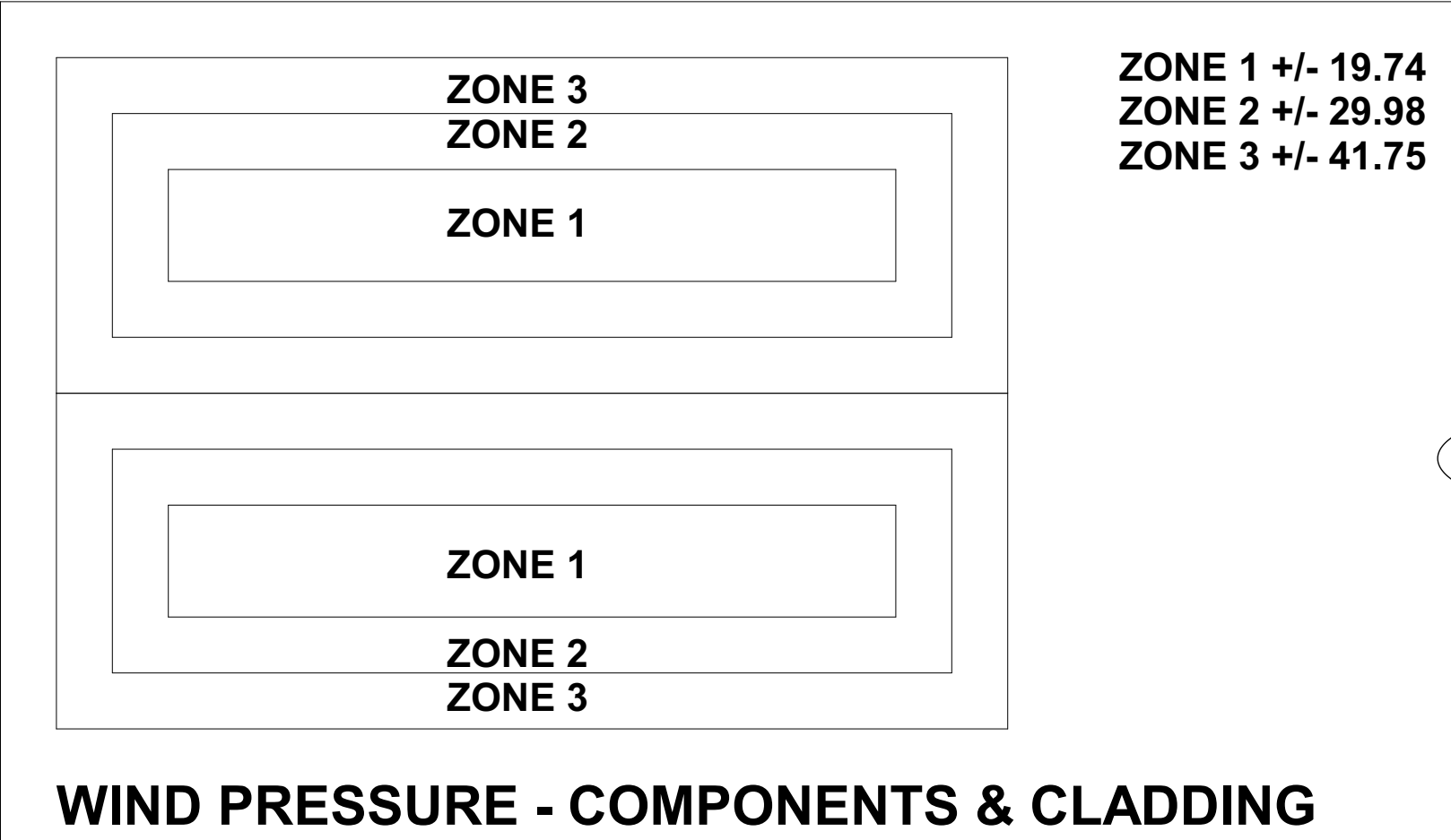




ZONE 1 +/- 19.74
ZONE 2 +/- 29.98
ZONE 3 +/- 41.75

WIND EXPOSURE CATEGORY

☒ X

☐ 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	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

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 : 40'

BUILDING LENGTH : 60'

EAVE HEIGHT : 16'

POLE SPACING : 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)					OTHER
SIZE CIRCLED OR LESS					
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

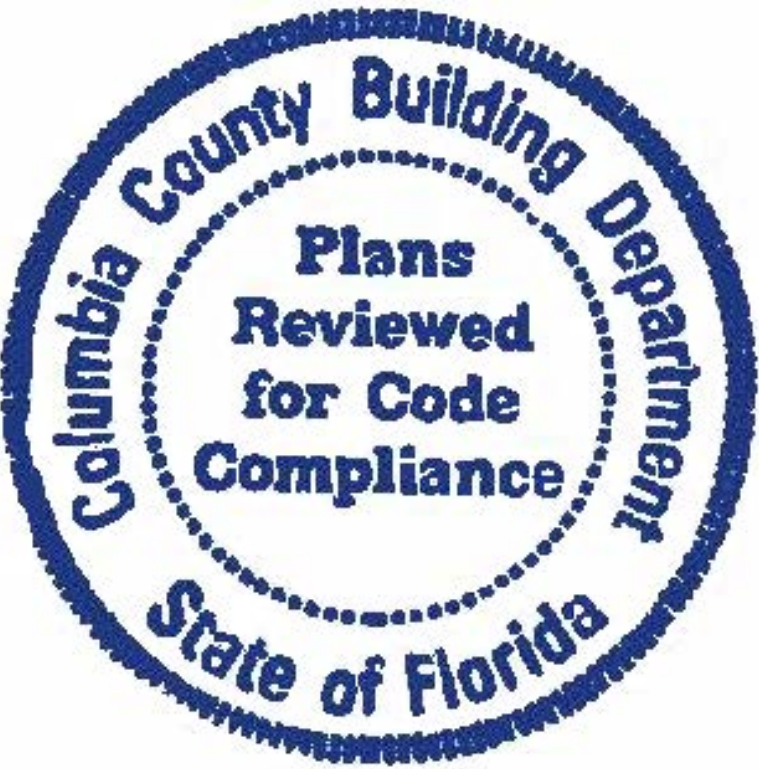
F-2 24" DIA. X 48" DEEP

ROOF PITCH

3/12 4/12 5/12 6/12

METAL ROOF

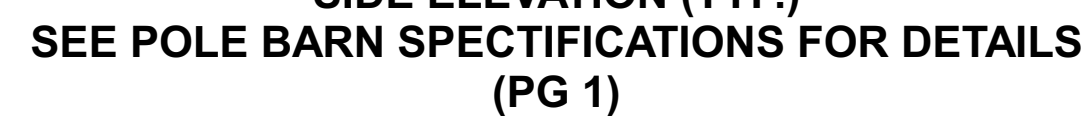
26 GA 29 GA



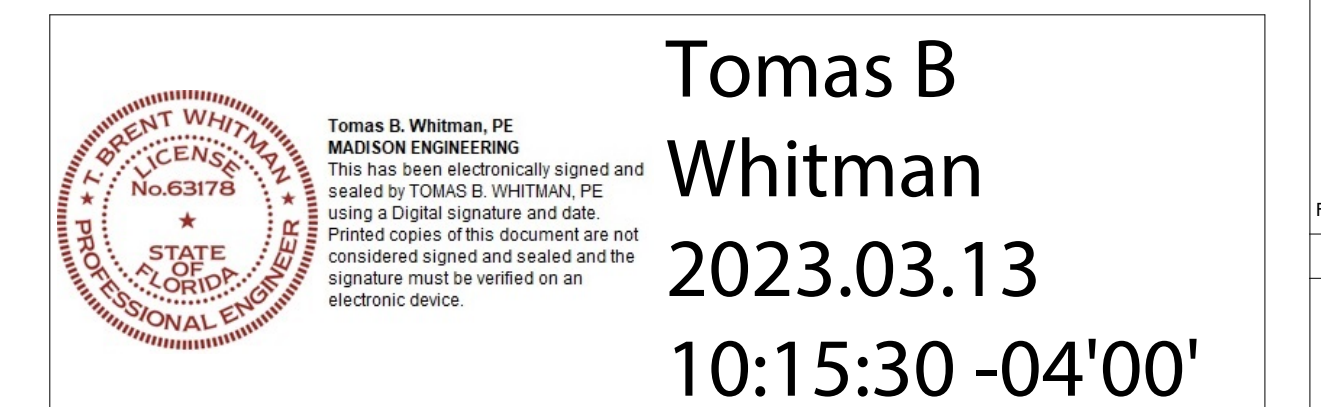
T. BRENT WHITMAN
LICENSE
No. 63178
STATE
FLORIDA
PROFESSIONAL ENGINEER

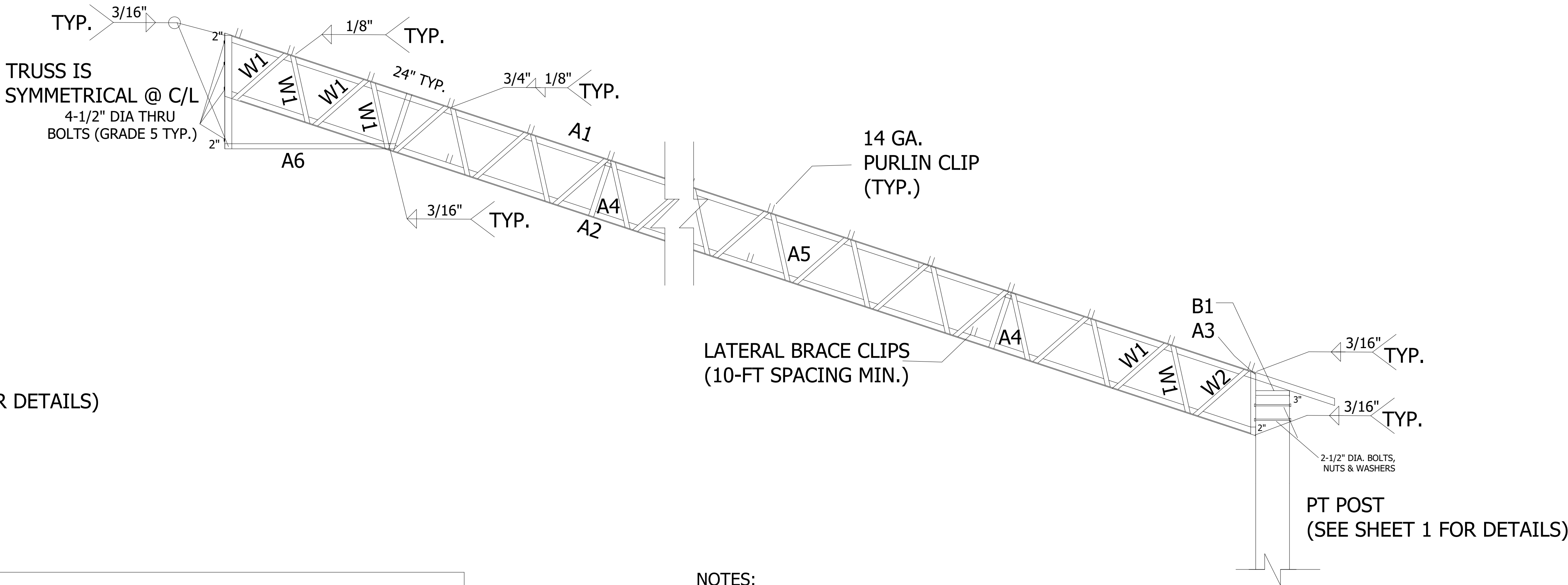
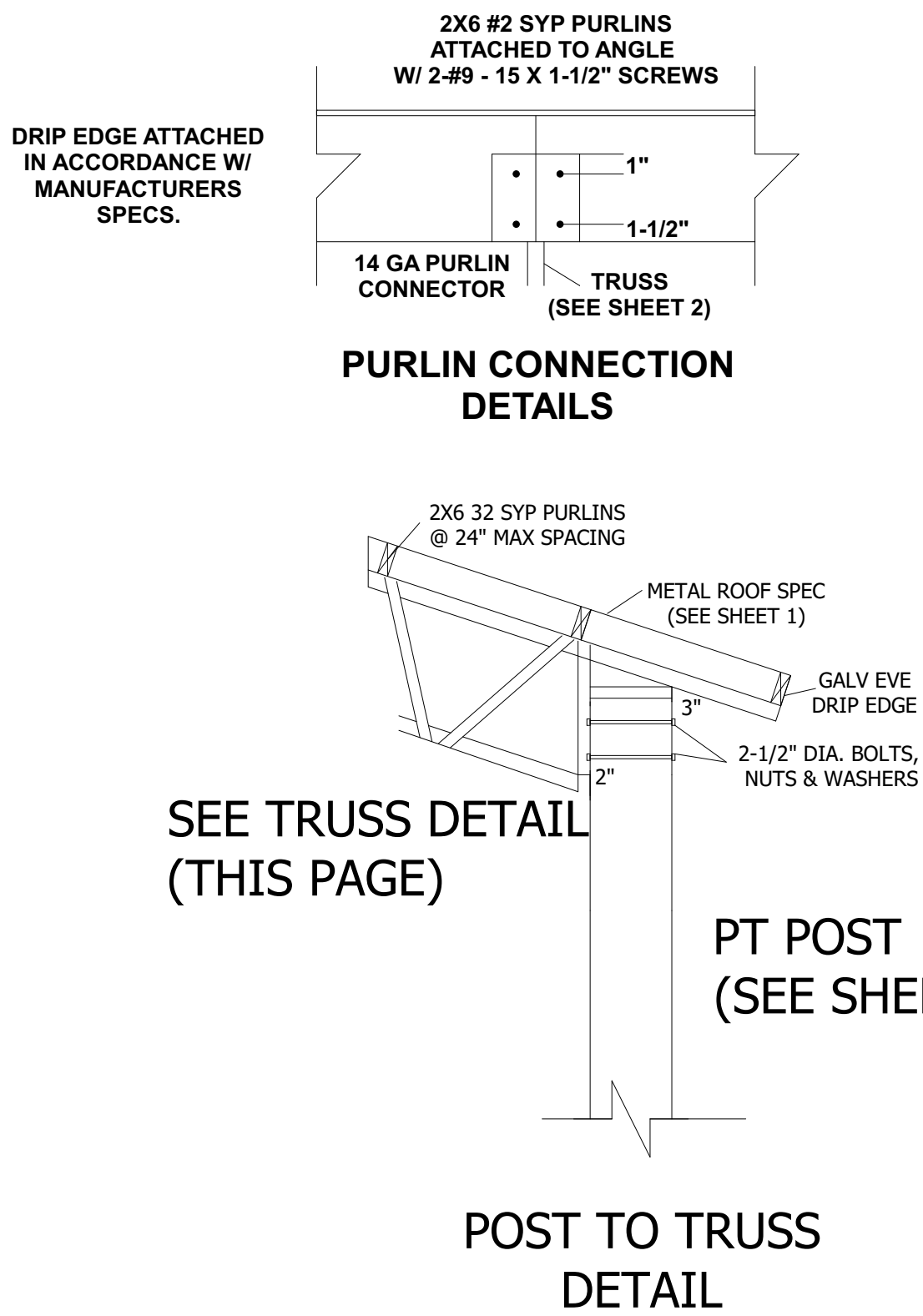
Tomas B. Whitman, PE
MADISON ENGINEERING
This has been electronically signed and sealed by TOMAS B. WHITMAN, PE using a Digital signature and date.
Printed copies of this document are not considered signed and sealed and the signature must be verified on an electronic device.

Tomas B
Whitman
2023.03.13
10:14:49 -04'00'



1. PURLINS SHALL BE 2X6 #2 SYP (MAX SPACE @2'-0" O.C.)
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 25 FEET.
10. CONCRETE WORK SHALL CONFORM TO 'BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE' (ACI-318).
11. ALL CONCRETE SHALL BE 3000 PSI MIN. W/ WFF OR FIBER





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- BOL TS 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" MIN
- 11- MAX TRUSS SPACING SHALL NOT EXCEED 12'-0" UNO.
- 12-THE DESIGNER DISCLAMS ANY RESPONSIBILITY FOR DAMAGES AS A RESULT OF POOR WORKMANSHIP, OR IMPROPER USE, AND ACCEPTS NO RESPONSIBIL TY OR EXERCISES NO CONTROL WITH REGARD TO FABRICATION, HANDLING, AND INSTALLATION OF TRUSSES.

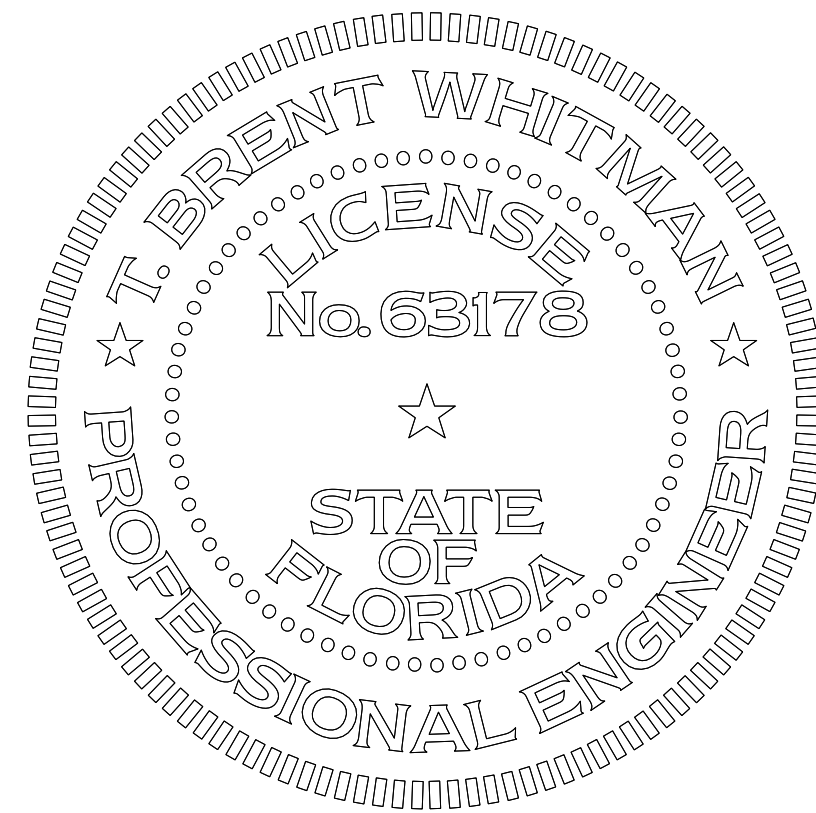
NOTES:

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 STELL 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 50 FEET.
10. WELDING ELECTRODES SHALL BE E70XX
11. ALL WELDS SHALL BE IN ACCORDANCE WITH AWS REQUIRMENTS.
12. ALL POST SHALL BE #2 DENSE PRESSURE TREATED.

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	VERTICAL CHORD	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	TIE	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

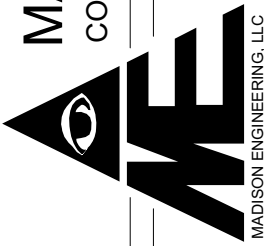
NOTE: LL * DENOTES DOUBLE ANGELS



Tomas B. Whitman, PE
MADISON ENGINEERING
This has been electronically signed and
sealed by TOMAS B. WHITMAN, PE
using a Digital signature and date.
Printed copies of this document are not
considered signed and sealed and the
signature must be verified on an
electronic device.

**Tomas B
Whitman**
2023.03.13
10:15:48 -04'00'

MADISON ENGINEERING, LLC
CONSULTING CIVIL & ENVIRONMENTAL ENGINEERING



POLE BARN A - 40 X 60
ABT TRUSSES

JAMIE ROYSTER (40X60)

26-35-16-02305-101-8269

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VALID ONLY WITH DATED
ORIGINAL SIGNATURE AND
INK OR PRESCRIBED SEAL

T. BRENT WHITMAN, P.E.
FL. P.E. #63178 / GA. P.E. #031609

SHEET NO.

3

DESIGNED TBW
DRAWN DVD
CHECKED TBW
APPROVED TBW
JOB NO.: 35223136
DATE: MARCH 2023

COLUMBIA COUNTY