

TYPICAL TRUSS DETAIL

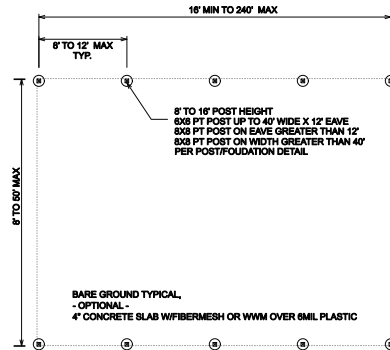
SCALE: N.T.S.

OUT LIST OF MATERIALS

ITEM NO.	DESCRIPTION	LENGTH	NUMBER REQUIRED	MATERIAL
A1	TOP CHORD	L1.2 X 2 X 3/16"	2	80 KSI
A2	BOTTOM CHORD	L1.2 X 2 X 3/16"	2	80 KSI
A3	VERTICAL CHORD	L1.2 X 2 X 3/16"	4	80 KSI
A4	VERTICAL CHORD	L1.1/2 X 1.1/2 X 3/16"	4	80 KSI
A5	TIE	L1.1/2 X 1.1/2 X 3/16"	4	80 KSI
A6	TIE	L1.1/2 X 1.1/2 X 3/16"	2	80 KSI
W1	WEB	L1.1/2 X 1.1/2 X 3/16"	2	80 KSI
W2	WEB	L1.1/2 X 1.1/2 X 3/16"	2	80 KSI
B1	BASE	L1.2 X 2 X 3/16"	2	80 KSI

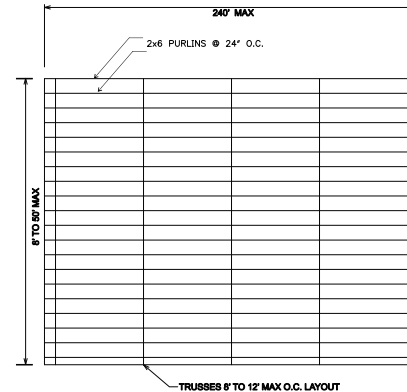
FABRICATION NOTES:
1. ALL WELDS SHALL ADHERE TO AWS STANDARDS.
2. ALL STEEL AND FABRICATION SHALL ADHERE TO AWS STANDARDS.
3. ALL PARTS SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
4. CONTROL JOINTS SHALL BE 2\"/>

TRUSS DESIGN CAN BE USED FOR TRUSS LENGTHS SHORTER THAN 50 FEET.
ITEM QUANTITY AND DIMENSIONS ARE TO BE MODIFIED FOR SHORTER TRUSS LENGTHS.
DISTANCE FROM A1 TO A2 ALONG A4 MUST BE 18\"/>



FOUNDATION PLAN

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TRUSS AND PURLIN LAYOUT

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**OPEN POLE BARN
STORAGE STRUCTURE**

40' X 40' X 12'

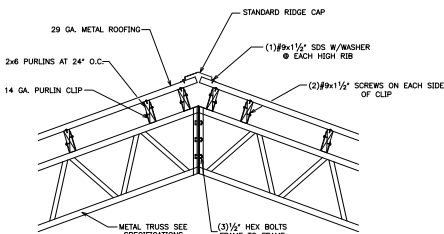
**PHILLIPS
555 SW HIDEAWAY
LAKE CITY, FL**

GENERAL NOTES:

1. ALL CONSTRUCTION SHALL BE PROVIDED IN ACCORDANCE WITH THE 2020 7TH EDITION FLA BUILDING CODE AND ASCE 7-10 WIND CODES FOR AN ULTIMATE WIND SPEED OF 140 MPH AND GREATER. THESE PLANS INCLUDE DESIGN FOR ALL WIND SPEEDS UP TO AN INCLUDING 140 MPH ULTIMATE WIND SPEED.
2. ALL ROOFING TO BE MIN 29 GAUGE OR BETTER, ATTACHED TO PURLINS AS SHOWN.
3. ALL CONCRETE WORK SHALL BE 3000 PSI AT 28 DAYS. CONTROL JOINTS SHALL BE CUT AT DISTANCES NO GREATER THAN 15' ELECTRICAL CONDUIT AND OTHER PIPES TO BE EMBEDDED IN STRUCTURAL CONCRETE FLOOR SLABS SHALL BE PLACED IN ACCORDANCE WITH AS-116 PARAGRAPHS E.3.
4. MINIMUM SOIL BEARING SHALL BE ASSUMED AT 2000 PSF
5. ALL WINDOWS AND DOORS SHALL BE INSTALLED PER MANUFACTURER'S SPECS.
6. ALL STEEL BUILDING MATERIALS ARE FLOOD RESISTANT AND WILL NOT BE DAMAGED BY FLOOD OR RAIN.
7. DESIGN LOADINGS:
ROOF LIVE LOAD - 20 PSF
DEAD LOADS:
TRUSS SPACING @ 12' - DL #6 PSF
TRUSS SPACING @ 10' - DL #9 PSF
TRUSS SPACING @ 8' - DL #12 PSF
DESIGN SPEED - 170 MPH
WIND RISK CATEGORY - 1
EXPOSURE CATEGORY - B
IMPORTANCE CATEGORY - 1.0
BUILDING CATEGORY I
8. WOOD FRAMING AND FASTENERS TO MEET NDS-2012 REQUIREMENTS.
9. FASTENER REQUIREMENTS: (1) ALL NAILS ARE COMMON GALVANIZED (2) ALL BOLTS ARE TO BE GALVANIZED STEEL AND INCLUDE NUTS AND WASHERS (3) ALL OTHER HARDWARE (SIMPSON, ETC.) IS TO BE INSTALLED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS 10. NAILING SIZE AND NUMBER SHALL SATISFY TABLES 2206.2 (1), 2206.2 (1) AND 2206.2 (1) BY 80 UNLESS OTHERWISE INDICATED.
11. ALL FASTENERS EXPOSED TO THE WEATHER SHALL BE TREATED FOR WEATHER RESISTANCE AND COMPATIBLE WITH THE PRESSURE TREATED WOODS USED.
12. ALL WOOD TO BE #2 YP OR BETTER, ALL WOOD TO BE IN CONTACT WITH CONCRETE TO BE PT.
13. INTERNAL PRESSURE COEFFICIENT = 0 OPEN
14. COMPONENTS / CLADDING
ZONE 1 = +30 PSF
ZONE 2 = +30 PSF / -53 PSF
ZONE 3 = +30 PSF / -53 PSF

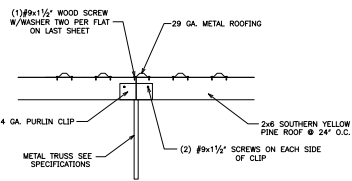
DESIGN STATEMENT:

THESE PLANS WERE DESIGNED FOLLOWING THE 2020 7TH EDITION FLORIDA BUILDING CODE AND ASCE 7-10, INCLUDING CHAPTER 16 ON STRUCTURAL DESIGN. AN ULTIMATE WIND SPEED OF 140 MPH (3 SECOND GUST) IN WIND EXPOSURE CATEGORY "B". THIS STRUCTURE HAS BEEN DESIGNED AS RISK CATEGORY I. THE COMPONENTS AND CLADDING WERE DESIGNED BASED ON A WIND PRESSURE. THIS STRUCTURE HAS BEEN DESIGNED AS EITHER AN OPEN ENCLOSED OR PARTIALLY ENCLOSED STRUCTURE AS PER PLAN NOTES.



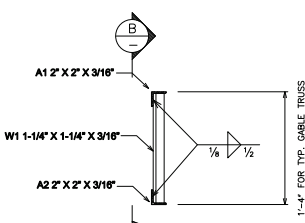
RIIDGE DETAIL

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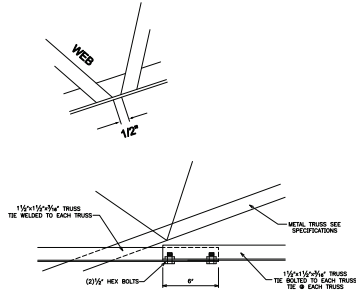
PURLIN CONNECTION

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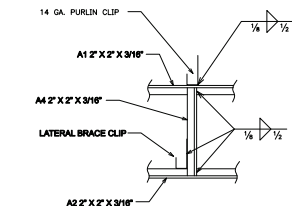
SECTION A-A

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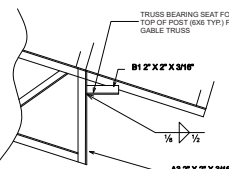
TRUSS TIE CONNECTION

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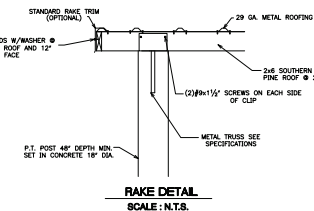
SECTION B-B

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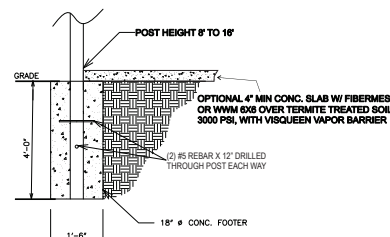
TRUSS SEAT DETAIL

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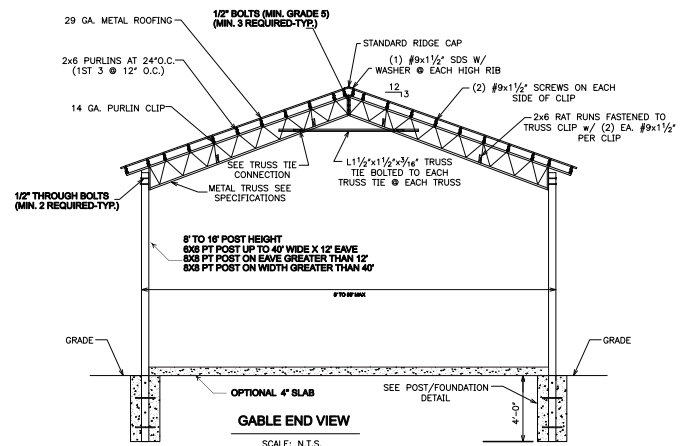
RAKE DETAIL

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POST/FOUNDATION DETAIL

SCALE: N.T.S.



GABLE END VIEW

SCALE: N.T.S.

REVISIONS	DATE	BY	DESCRIPTION
1	09/24/21	Michael E. Howeller	Initial Design
2	09/24/21	Michael E. Howeller	Final Design

PROJECT:	PROBUILT STRUCTURES
SHEET TITLE:	TYPICAL POLE BARN BUILDING
SHEET NO.	1 of 1