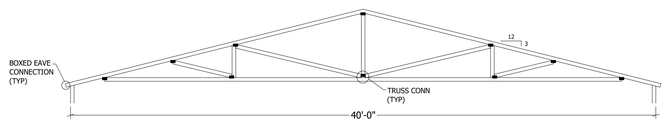
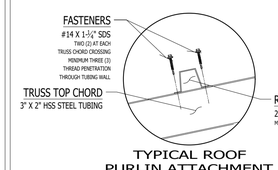
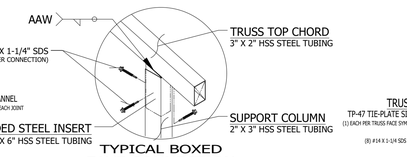
TRUSS CONFIGURATIONS

PROPORTIONAL SCALE

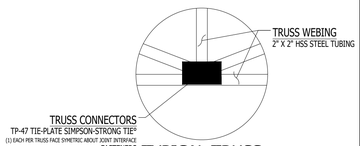




TYPICAL ROOF PURLIN ATTACHMENT

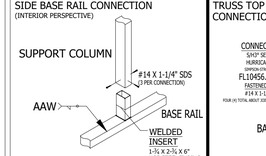


TYPICAL BOXED EAVE CONNECTION

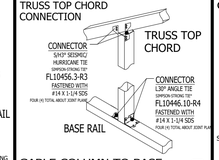


TYPICAL TRUSS CONNECTIONS

SUPPORT COLUMN TO SIDE BASE RAIL CONNECTION
(INTERIOR PERSPECTIVE)

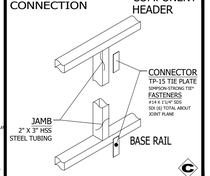


GABLE END COLUMN TO TRUSS TOP CHORD CONNECTION

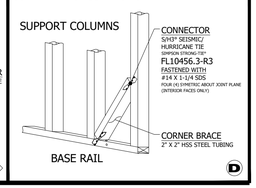


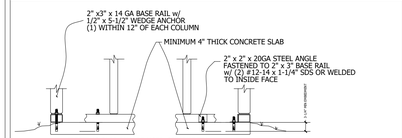
GABLE COLUMN TO BASE RAIL CONNECTION

SIMPLE JAMB CONNECTION



CORNER BRACE CONNECTION



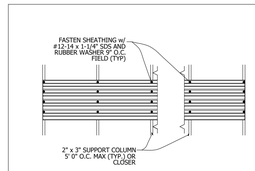


EXISTING SLAB MAY BE USED ONLY WHEN SLAB IS IN SATISFACTORY CONDITION; NO CRACKS /FISSURES, /MINIMAL SLOPE/UNDULATIONS. SLAB MUST ACT AS A SINGLE SUPPORTING UNIT.

FOUNDATION CONTRACTOR TO PROVIDE FOR MINIMUM SLOPE OF 6" IN FIRST 10' AWAY FROM FOUNDATION (SECTION R401.3 FBC6-2017)

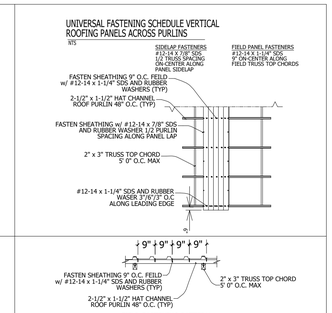
FOUNDATION AND ANCHORING
EXISTING CONCRETE/DIRECT ANCHORING

1/2" X 6" TAPCONS W/ 2-3/4" EMBEDMENT IS ALSO PERMITTED



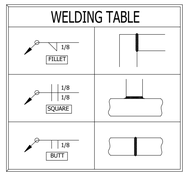
UNIVERSAL FASTENING SCHEDULE SIDING PANELS ACROSS SUPPORT COLUMNS
NTS

UNIVERSAL FASTENING SCHEDULE VERTICAL ROOFING PANELS ACROSS PURLINS
NTS



LEADING EDGE FASTENING PATTERN
NTS

WELDING TABLE



BUILDING DIMENSIONS

40' X 50' X 16'

LOCATION (ZAYAS)

1952 MEADOW OAK CIRCLE
POLK CITY FL, 33868

GENERAL NOTES

1. ALL CONCRETE WORK SHALL BE 3,000 P.S.I. AT 28 DAYS.
2. ALL ASSUMED SOIL BEARING SHALL BE ASSUMED AT 2,000 P.S.F.
3. ALL CONSTRUCTION SHALL BE PROVIDED IN ACCORDANCE WITH THE 2023 8TH EDITION FLA. BLDG. CODE AND ASCE 7-22

THESE PLANS INCLUDE DESIGN FOR ALL WIND

4. ALL SIDING AND ROOFING TO MINIMUM OF 29 GAUGE ATTACHED TO THE COLUMNS AS SHOWN AND CONSIDERED TO BE A MIN. OF 3 SPAN.
5. FOR ZONE LOCATIONS SEE FBC FIGURE 1609(c). THE

COMPONENTS AND CLADDING LOADING CHARTS THIS SHEET.

6. DESIGN LOADINGS:
   DEAD LOAD = 4 PSF
   ROOF LIVE LOAD = 20 PSF
7. DOOR AND WINDOW DATA: PER TABLE
8. ALL WINDOWS AND MAN DOORS MAY USE #12-14X1-1/4" LONG ALL CIRCLING SCREWS IN LIEU OF THE WOOD SCREWS WHEN CONNECTING THE UNITS TO METAL FRAME. FOLLOW THE MANUFACTURERS SPECIFICATIONS FOR LOCATING CONNECTORS.
9. TYPE OF CONSTRUCTION TYPE II-B
   BUILDING CATEGORY (II)
10. CORNER BRACES, REQUIRED ONLY REQUIRED WITH WIND SPEEDS GREATER THAN OR EQUAL TO 140 MPH OR AS CALLED OUT ON PLANS.

DESCRIPTION	FIELD		LEADING EDGE
	ZONE 1	ZONE 2	ZONE 3
MAXIMUM UPLIFT DESIGN PRESSURE	34.3	37.7	52.8
FASTENER PATTERN	9"-9"-9"-9"		6"-3"-6"-3"-6"
SUPPORT SPACING	60" O.C.		60" O.C.

DESIGN PRESSURE BASED ON A SAFTEY FACTOR OF 2

NOTES:

1. ALL HAT CHANNEL SHALL BE A MIN. OF 18 GA.
2. ALL STRUCTURAL TUBING SHALL BE A MIN. OF 14 GA.
3. ALL UNIVERSAL STEEL SHALL BE A MIN. OF 29 GA STRUCTURAL STEEL PANELS AND HAVE A YEILD STRENGTH OF 80 KSI OR ANOTHER FBC APPROVED PANEL.

COMPONENTS AND CLADDING (exp=B, gcpi=+/-0.18 (Enclosed)

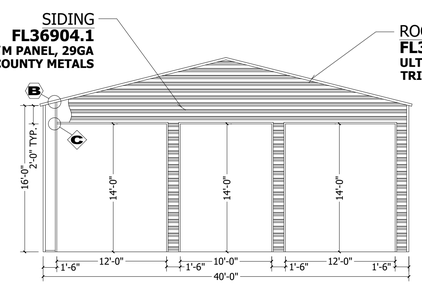
VELOCITY ULTIMATE	PRESSURE (PSF)						
	ZONE						
	ROOF			WALLS			
	1	2	3	4/5 AVG NORMAL		4/5 AVG PARALLEL	
140 MPH	-17.6	-24.7	-38.1	+17.7	-20.8	+17.5	-20.6

FLORIDA PRODUCT APPROVAL CHART

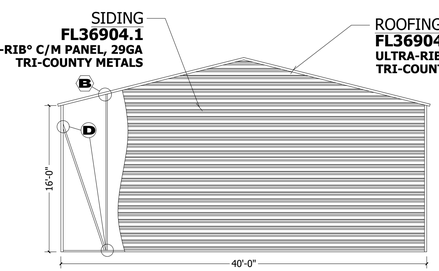
PRODUCT APPROVAL NUMBER	MANUFACTURER	DESCRIPTION
FL 36904.1	TRI-COUNTY METALS	29 GA ULTRA-RIB C/M PANEL

WIND SPEED VS. LEG SPACING AND CLADDING TABLE

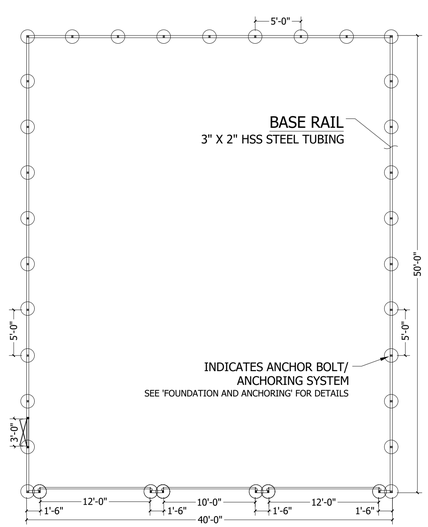
DESIGN VELOCITY ULTIMATE	4' ON CENTER	5' ON CENTER
140 MPH	29 GA.	29 GA.



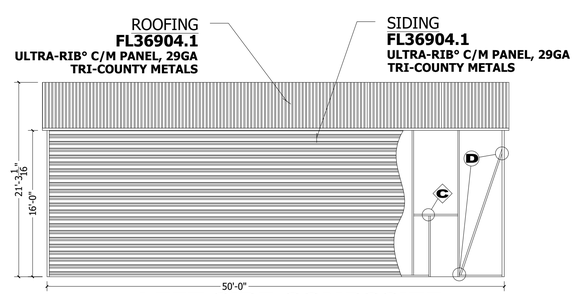
FRONT GABLE COMPOSITE
NOT TO SCALE



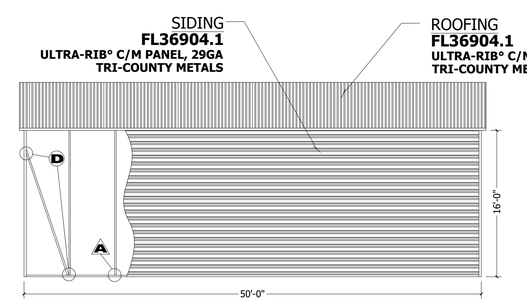
REAR GABLE COMPOSITE
NOT TO SCALE



FOUNDATION, ANCHORING AND FLOORING PLAN
NOT TO SCALE



LEFT SIDE COMPOSITE
NOT TO SCALE



RIGHT SIDE COMPOSITE
NOT TO SCALE

IF THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MICHAEL J. WOJTUNIAK, P.E.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES. UNLESS THE RAISED SEAL HAS BEEN UTILIZED.

DESIGN STATEMENT:

THESE PLANS WERE DESIGNED FOLLOWING THE 2023 8TH EDITION FLORIDA BUILDING CODE AND ASCE 7-22. 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 II. 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 NOTED.

Michael J Wojtuniak

Digitally signed by Michael J Wojtuniak
Date: 2024.07.25 11:24:59 -04'00'

MICHAEL J. WOJTUNIAK
LICENSE
No 60934
7-25-2024
STATE OF FLORIDA
PROFESSIONAL ENGINEER

MICHAEL WOJTUNIAK, P.E.
P.E. NO. 60934
EMAIL: mwojtuniak@epieng.net

ENGINEERING • PLANNING • PERMITTING

REVISIONS:

DATE	BY	DESCRIPTION

EPI
ENGINEERED PERMITS, INC.
311 SOUTH WOODLAND BIVD.
SUITE A
DELAND, FL 32720
PHONE: 386-734-0830
FAX: 386-734-8226
CERT NO. 26298
EMAIL: epi@epieng.net

PROJECT: CENTRAL FLORIDA STEEL BUILDINGS (140 MPH)

SHEET TITLE: CONVENTIONAL ROOF ENCLOSED

SHEET NO. A-1

DATE: 7-21-24

***THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY MICHAEL J. WOJTUNIAK, P.E. ON USING A SHA AUTHENTICATION CODE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SHA AUTHENTICATION CODE MUST BE VERIFIED ON ANY ELECTRONIC COPIES. UNLESS THE RAISED SEAL HAS BEEN UTILIZED. ***