



VELOCITY ULTIMATE	COMPONENTS AND CLADDING (exp=8, gcp=7+0.18 (Enclosed))					
	PRESSURE (PSF)					
	ROOF		WALLS			
	1	2	3	4/5 AVG NORMAL	4/5 AVG PARALLEL	
160 MPH	-22.9	-32.3	-51.0	+23.1	-27.2	+22.8 -26.9

BUILDING DIMENSIONS

40' X 30' X 12'

LOCATION (JENKINS)

**5310 SE COUNTRY CLUB RD.
LAKE CITY, FL 32025**

GENERAL NOTES

- ALL CONCRETE WORK SHALL BE 3,000 P.S.I. AT 28 DAYS.
- MINIMUM SOIL BEARING SHALL BE ASSUMED AT 2,000 P.S.F.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2017 6TH EDITION FLA. BLDG. CODE AND ASCE 7-10

THESE PLANS INCLUDE DESIGN FOR ALL WIND.

- ALL SIDING AND ROOFING TO MINIMUM OF 26 GAUGE.
- ATTACHED TO THE COLUMNS AS SHOWN AND CONSIDERED TO BE A MIN.
- FOR ZONE LOCATIONS SEE FBC FIGURE 1609(c). THE

COMPONENTS AND CLADDING LOADING CHARTS THIS SHEET.

- DESIGN PRESSURE BASED ON A SAFETY FACTOR OF 2*

DESCRIPTION	FIELD	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	48" O.C.	48" O.C.	

DESIGN PRESSURE BASED ON A SAFETY FACTOR OF 2

NOTES

- ALL HAT CHANNEL SHALL BE A MIN. OF 18 GA.
- ALL STRUCTURAL TUBING SHALL BE A MIN. OF 14 GA.
- ALL UNIVERSAL STEEL SHALL BE A MIN. OF 26 GA STRUCTURAL STEEL PANELS AND HAVE A YIELD STRENGTH OF 80 KSI OR ANOTHER FBC APPROVED PANEL.

WIND SPEED VS. LEG. SPACING AND CLADDING TABLE

DESIGN VELOCITY	4' ON CENTER	5' ON CENTER
ULTIMATE	26 GA.	26 GA.
160 MPH	26 GA.	26 GA.

FLORIDA PRODUCT APPROVAL CHART

PRODUCT APPROVAL NUMBER	MANUFACTURER	DESCRIPTION
FL1948.1-R4	AJ	PERSONNEL DOOR
FL14425.1-R4	JANUS	ROLL-UP DOOR
FL239.1-R26	POT	WINDOW
FL9555.2-R4	UNION	26 GA MASTER RIB PANEL

WELDING TABLE	
1/4" (TYP.)	1/4" (TYP.)
1/4" (TYP.)	1/4" (TYP.)
1/4" (TYP.)	1/4" (TYP.)

Michael J Wojtuniak

Digitally signed by Michael J Wojtuniak
DN: c=US,
o=Unaffiliated,
ou=A01410C00001
6B412E10F00001C
E7, cn=Michael J
Wojtuniak
Date: 2020.08.27
17:09:46 -0400



MICHAEL WOJTUNIAK, P.E.
P.E. NO. 60934
EMAIL: mwj@unika.com

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 2017 6TH EDITION FLORIDA BUILDING CODE AND ASCE 7-10 INCLUDING CHAPTER 16 ON STRUCTURAL DESIGN. AN ULTIMATE WIND SPEED OF 160 MPH (3 SECOND GUST) IN WIND EXPOSURE CATEGORY II. 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.

SHEET NO.

A-1

DATE: 8-21-20

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