

GENERAL NOTES

1. ALL CONCRETE WORK SHALL BE 3,000 P.S.I. AT 28 DAYS.
2. MINIMUM SOIL BEARING SHALL BE ASSUMED AT 2,000 P.S.F.
3. ALL CONSTRUCTION SHALL BE PROVIDED IN ACCORDANCE WITH THE 2020 7TH EDITION FLA. BLDG. CODE AND ASCE 7-16 WIND CODES FOR AN ULTIMATE WIND SPEED OF 140 MPH AND GREATER. THESE PLANS INCLUDE DESIGN FOR ALL WIND SPEEDS UP TO AND INCLUDING 150 MPH ULTIMATE WIND SPEED.
4. ALL SIDING AND ROOFING TO MINIMUM OF 26 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 VALUE OF "a" SHALL BE 3'-0". FOR ZONE LOADING SEE COMPONENTS AND CLADDING LOADING CHARTS THIS SHEET.
6. DESIGN LOADINGS:
 - DEAD LOAD = 4 PSF
 - ROOF LIVE LOAD = 20 PSF
 - WIND LOAD = PER TABLE
 - DOOR AND WINDOW DATA: PER TABLE
7. ALL WINDOWS AND MAN DOORS MAY USE 12-14 1-1/4" LONG TEK 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
11. BUILDING CATEGORY I
10. GABLEN BRACES REQUIRED ONLY REQUIRED WITH WIND SPEEDS GREATER THAN OR EQUAL TO 150 MPH OR AS CALLED OUT ON PLANS.
11. ALL WELDS ARE CONTINUOUS WELDS DONE AT THE FACTORY.
12. ALL STEEL BUILDING MATERIALS ARE FLOOD RESISTANT AND WILL NOT BE DAMAGED BY FLOOD OR RAIN.

NOTES:

1. MATERIALS SHALL CONFORM TO STEEL ASTM 513
2. ALL STEEL SHALL BE 50 KSI IN ACCORDANCE WITH CURRENT ALSC MANUAL.
3. WELDING ELECTRODES TYPE E70XX
4. ALL WELDING SHALL BE IN ACCORDANCE WITH CURRENT AWWA REQUIREMENTS
5. ALL WELDING SHALL BE DONE BY A CERTIFIED WELDER.
6. BOLTS SHAT BE ASTM A325 W/ WASHERS AND NUTS (TYP).
7. WELD STRENGTH 70 KSI MIN.
8. ALL POST SHALL BE 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. TRUSS SPACING SHALL NOT EXCEED 2'-0"
12. THE DESIGNER DISCLAIMS ANY RESPONSIBILITY FOR DAMAGES AS A RESULT OF POOR WORKMANSHIP, OR IMPROPER USE, AND ACCEPTS NO RESPONSIBILITY OR EXERCISES NO CONTROL WITH REGARD TO FABRICATION, HANDLING, AND INSTALLATION OF TRUSSES

COMPONENTS AND CLADDING (press=8, gcal=0.00 (Open))							
VELOCITY ULTIMATE		PRESSURE (PSI) ZONE			WALLS		
		1	2	3	4/5 AVG NORMAL	4/5 AVG PARALLEL	
130 MPH	-12.4	-18.5	-30.9	+12.7	-14.3	+14.6	-19.9
140 MPH	-12.4	-21.5	-35.9	+14.8	-16.6	+16.6	-23.1
150 MPH	-16.5	-24.7	-41.2	+16.9	-19.0	+19.4	-26.5

COMPONENTS AND CLADDING (press=6, gcal=+0.18 (Enclosed))							
VELOCITY ULTIMATE		PRESSURE (PSI) ZONE			WALLS		
		1	2	3	4/5 AVG NORMAL	4/5 AVG PARALLEL	
130 MPH	-15.1	-21.3	-33.7	+15.5	-17.1	+17.4	-22.7
140 MPH	-17.6	-24.7	-39.1	+18.0	-19.8	+20.1	-26.3
150 MPH	-20.2	-28.4	-44.9	+20.7	-20.7	+23.1	-30.2

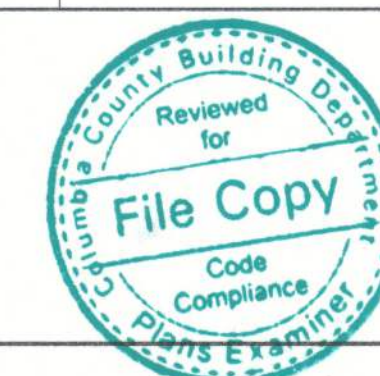
COMPONENTS AND CLADDING (press=8, gcal=+0.55 (Partially Enclosed))							
VELOCITY ULTIMATE		PRESSURE (PSI) ZONE			WALLS		
		1	2	3	4/5 AVG NORMAL	4/5 AVG PARALLEL	
130 MPH	-20.9	-27.1	-39.4	+21.2	-22.8	+23.3	-28.4
140 MPH	-24.2	-31.4	-45.7	+24.4	-26.4	+26.8	-32.9
150 MPH	-27.8	-36.0	-52.5	+28.3	-30.3	+32.7	-39.7

NOTE TO INSTALLER

1. INSTALLER SHALL ADD LATERAL BRACING DURING THE ERECTION PROCESS TO PREVENT BAR JOIST MOVEMENT.

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	48" O.C.		48" O.C.

DESIGN PRESSURE BASED ON A SAFETY FACTOR OF 2



CLIENT INFORMATION:
POLE BARN PLAN PREPARED FOR:

DESIGN STATEMENT:

THESE PLANS WERE DESIGNED FOLLOWING THE 2020 7TH EDITION FLORIDA BUILDING CODE AND ASCE 7-16, INCLUDING CHAPTER 16 ON STRUCTURAL DESIGN. THIS STRUCTURE HAS BEEN DESIGNED WITH AN MINIMUM ULTIMATE WIND SPEED OF 130 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 THE INCLUDED TABLE DESIGN PRESSURES.

ENGINEERING • PLANNING • PERMITTING

PROJECT: FREEDOM MANUFACTURING AND ROOFING SUPPLIES LLC

SHEET TITLE: TYPICAL BAR JOIST SHED

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SHEET NO.
S-1

DATE: 12/2/2022