

CATEGORY	SUBCATEGORY	MANUFACTURER & PRODUCT	APPROVAL NUMBER	MAX ALLOWABLE WINDSPEED (MPH)
STRUCTURAL COMPONENT	ROOF DECK	CARPORTS ANYWHERE, HAMPTON RIB ROOF PANEL	27402.1	180
STRUCTURAL COMPONENT	STRUCTURAL WALL	CARPORTS ANYWHERE, HAMPTON RIB WALL PANEL	27403.1	180
STRUCTURAL COMPONENT	STRUCTURAL WALL	CARPORTS ANYWHERE, RESI-LAP SIDING WALL PANEL	27403.2	180
PANEL WALLS	WALL LOUVER (FLOOD VENT)	FLOOD SOLUTIONS, LLC., FS & FS HEX	17588.1	N/A
EXTERIOR DOOR	SWINGING	ELIXER DOOR & METAL CO., SERIES 407 VINYL STEEL OUT-SWINGING REGULAR DOOR – BLANK (NO WINDOW)	17996.5	180
EXTERIOR DOOR	ROLL-UP	JANUS INTERNATIONAL GROUP, LLC., SERIES 3100: +42.5/-45	21450.6	180
EXTERIOR DOOR	ROLL-UP	JANUS INTERNATIONAL GROUP, LLC., SERIES 3100: +40/-40	21450.9	180
EXTERIOR DOOR	ROLL-UP	JANUS INTERNATIONAL GROUP, LLC., SERIES 3652: +36/-40	14425.1	180
EXTERIOR DOOR	ROLL-UP	JANUS INTERNATIONAL GROUP, LLC., SERIES 750: MAX 3'x12' +35/-45	21450.10	180
EXTERIOR DOOR	ROLL-UP	JANUS INTERNATIONAL GROUP, LLC., SERIES 750: MAX 6'x12' +19.9/-24.4	21450.11	140
EXTERIOR DOOR	ROLL-UP	JANUS INTERNATIONAL GROUP, LLC., SERIES 750: MAX 8'x12' +24.4/-27	21450.12	160
EXTERIOR DOOR	ROLL-UP	JANUS INTERNATIONAL GROUP, LLC., SERIES 750: MAX 10'x12' +19.4/-22.7	21450.13	140
WINDOW	SINGLE HUNG	MI WINDOWS AND DOORS, 185 SH	17499.1	180
WINDOW	SINGLE HUNG	POCOHONTAS ALUMINUM COMPANY, INC., MODEL 100VS	12940	150

POST/TRUSS MAXIMUM SPACINGS		
ULTIMATE WINDSPEED (MPH)	STRUCTURE WIDTH (FT)	MAXIMUM POST/TRUSS SPACING (FT)
120-150	6-24	5.0
120-150	>24-30	4.0
>150	ALL	4.0

NOTES:

1. NOT APPLICABLE FOR STRUCTURES WITH A MEAN ROOF HEIGHT OVER 20 FEET AND/OR ROOF PITCH STEEPER THAN 6:12
2. APPLICABLE ONLY FOR ANY MATERIALS LISTED ON THE APPROVED PRODUCTS CHART AND FRAMING INDICATED IN THE GENERAL NOTES AND DETAILS
3. 5' O.C. **REQUIRES VERTICAL ROOF.**

GROUND ANCHOR LENGTH				
(ALL BUILDING WIDTHS $\leq 30'$)	WIND SPEED (MPH)			
SOIL TYPE	≤ 140	145-155	160-170	175-180
VERY DENSE AND/OR CEMENTED SAND, COARSE GRAVEL, COBBLES, PRELOADED SILTS, CLAYS AND CORAL	30"	30"	48"	48"
MEDIUM DENSE COARSE SANDS, SANDY GRAVEL, VERY STIFF SILTS AND CLAYS	30"	48"	48"	60"
LOOSE TO MEDIUM DENSE SANDS, FIRM TO STIFF CLAYS, SILTS AND ALLUVIAL FILL	48"	48"	60"	60"
LOOSE SANDS, FIRM CLAYS, SILTS AND ALLUVIAL FILL	48"	60"	60"	60"

TITLE:

16 GA. U-CHANNEL BRACE, MIN. 24" UP TO 7" POST, MIN. 48" OVER 7" POST. MIN. 45" TO MAX. 60" FROM HORIZ. (EXCLUDE END-WALLS). SECURED WITH (4) #12-14x $\frac{3}{4}$ " SELF-DRILLING SCREWS.

MINIMUM 6" TS NIPPLE. NIPPLE SECURED TO WALL POST WITH (4) #12-14x $\frac{3}{4}$ " SELF-DRILLING SCREWS EACH END

BOW RAFTER TO POST CONNECTION DETAIL

16 GA. U-CHANNEL BRACE, MIN. 24" UP TO 7" POST, MIN. 45" TO MAX. 60" FROM HORIZ. (EXCLUDE END-WALLS) SECURED WITH (4) #12-14x $\frac{3}{4}$ " SELF-DRILLING SCREWS.

MINIMUM 6" TS NIPPLE. NIPPLE SECURED TO WALL POST WITH (4) #12-14x $\frac{3}{4}$ " SELF-DRILLING SCREWS

BOX EAVE RAFTER TO POST CONNECTION DETAIL

15" TRUSS CONE SECURED TO WALL POST WITH (4) #12-14x $\frac{3}{4}$ " SELF-DRILLING SCREWS

40' BOX EAVE RAFTER TO POST CONNECTION DETAIL

SHOP BENT

TRUSSED RAFTER CONNECTION DETAIL

MINIMUM 12" TS NIPPLE. NIPPLE SECURED TO TRUSS & EXTENSION WITH (4) #12-14x $\frac{3}{4}$ " SELF-DRILLING SCREWS EACH

LEAN-TO/TRUSS EXTENSION

MINIMUM 6" TS NIPPLE. NIPPLE SECURED TO WALL POST WITH (4) #12-14x $\frac{3}{4}$ " SELF-DRILLING SCREWS

LEAN-TO TO TRUSS CONNECTION

2"x2"x2" 16 GA. ANGLE CLIP SECURED WITH (4) #12-14x $\frac{3}{4}$ " SELF-DRILLING SCREWS

NON-STRUCTURAL HEADER OR WINDOW RAIL TO POST DETAIL

2"x2"x2" 16 GA. ANGLE CLIP SECURED WITH (4) #12-14x $\frac{3}{4}$ " SELF-DRILLING SCREWS

VARIES

STD. MAX. SPACING

3" MIN.

STD. MAX. SPACING

VARIES

SIDE WALL ROLL-UP DOOR HEADER DETAIL

26 GAUGE ROOF SHEATHING SECURED WITH (1) #12-14x $\frac{3}{4}$ " SELF-DRILLING SCREWS @ '2-1-2-1' (6" O.C. (9" O.C. MAX.))

48" MAX.

1" 16 GAUGE FURRING CHANNEL 48" O.C. MAX. SECURED WITH (2) #12-14x1" SELF-DRILLING SCREWS TO EACH RAFTER.

ROOF PANEL CONNECTION VERTICAL SHEATHING OPTION

2 - 2"x2"x2" 16 GA. ANGLE CLIPS SECURED WITH (4) #12-14x $\frac{3}{4}$ " SELF-DRILLING SCREWS (PER CLIP)

LEAN-TO TO TRUSS CONNECTION

2"x2"x2" 16 GA. ANGLE CLIP SECURED WITH (4) #12-14x $\frac{3}{4}$ " SELF-DRILLING SCREWS

SINGLE OR DOUBLE TS HEADER

HEADER CONNECTION DETAIL OPTION 1

(4) #12-14x $\frac{3}{4}$ " SELF-DRILLING SCREWS TOP, BOTTOM, & INSIDE FOR EACH SPLICE

3" MIN.

8" NIPPLE

SIDE WALL HEADER SPLICE DETAIL

MINIMUM 6" TS NIPPLE. NIPPLE SECURED TO WALL POST WITH (4) #12-14x $\frac{3}{4}$ " SELF-DRILLING SCREWS

SINGLE OR DOUBLE TS HEADER

HEADER CONNECTION DETAIL OPTION 2

MINIMUM 6" TS NIPPLE. NIPPLE SECURED TO WALL POST WITH (4) #12-14x $\frac{3}{4}$ " SELF-DRILLING SCREWS

NIPPLE TO TRUSS

POST TO TRUSS CONNECTION

WALL STUDS

EXTERIOR SHEATHING

1'-4 $\frac{1}{2}$ "x8 $\frac{1}{2}$ " OPENING BETWEEN WALL STUDS. VENT IS SECURED TO SHEATHING AS PER MANUFACTURERS INSTRUCTIONS

*VENT INSTALLED WITH BOTTOM AT 2.5" ABOVE GRADE & NO FRAMING REQUIRED AROUND VENT

HYDROVENT DETAIL (OPTIONAL)

2"x2"x2" 16 GA. ANGLE CLIP SECURED WITH (4) #12-14x $\frac{3}{4}$ " SELF-DRILLING SCREWS

INTERMEDIATE POST TO HEADER/BASE RAIL/OR WINDOW RAIL DETAIL

INTERIOR

EXTERIOR

#12-14x $\frac{3}{4}$ " SELF-DRILLING SCREWS, SPACING: INSTALL PER MANUFACTURER'S INSTRUCTIONS.

DOOR FRAME TO POST CONNECTION

1/2"

1 $\frac{7}{8}$ "

2 $\frac{1}{2}$ "

#14x $\frac{3}{4}$ " SELF-DRILLING SCREWS. SPACING: INSTALL PER MANUFACTURER'S INSTRUCTIONS.

ROLL-UP DOOR TO POST CONNECTION

26 GAUGE ROOF SHEATHING SECURED WITH (1) #12-14x $\frac{3}{4}$ " SELF-DRILLING SCREWS @ '2-1-2-1' (6" O.C. (9" O.C. MAX.))

3'-0" MIN.

6"

1" 16 GAUGE FURRING CHANNEL 48" O.C. MAX. SECURED WITH (2) #12-14x1" SELF-DRILLING SCREWS TO EACH RAFTER.

EAVE & RIDGE REINFORCED ROOF PANEL CONNECTION (RIDGE 3r AND EAVE 3e)

A Distance in inches			
mph	Exp. B	Exp. C	
120	n/r	n/r	
150	n/r	30"	
165	30"	24"	
180	24"	12"	

CODE INFORMATION

CODE VERSION	FBC 2020 7th Edition, ASCE-7-16
MANUFACTURER	CARPORTS ANYWHERE
BUILDING TYPE	UTILITY STRUCTURE
CONSTRUCTION TYPE	II-B
RISK CATEGORY	1
FIRE PROTECTION	NONE
FIRE SUPPRESSION SYSTEM	NONE
OCCUPANCY	UTILITY U
BASIC WIND SPEED	Vac: 120-180mph
EXPOSURE	B/C
ENCLOSURE	ENCLOSED
INTERNAL PRESSURE COEFFICIENT	+/- 0.18
IMPORTANCE FACTOR	1.0
ROOF DEAD LOAD	10PSF
ROOF LIVE LOAD	20PSF OR 300lb POINT LOAD
FLOOR DEAD LOAD	10PSF
FLOOR LIVE LOAD	50PSF
"R" RATING OF WALLS, FLOOR, ROOF	N/A
MODULES PER BUILDING	1
HURRICANE PROTECTION USAGE	NO
HURRICANE SHELTER USAGE	NO
SQUARE FOOTAGE	

REVISIONS

REV	DESCRIPTION	DATE	BY
1	HEADER SPLICE, FILL COMPACTION	8/16/22	MTB

Drawn By: MTB

Date: 5/27/20

Location: FLORIDA

ENCLOSED GENERIC ENGINEERING

GENERAL NOTES

1. THIS BUILDING IS EXEMPT FROM THE FBC ENERGY CONSERVATION CODE PER SECTION C101.4.2.

2. ALL STEEL TUBING SHALL BE 50 KSI STEEL.

3. PLUMBING, ELECTRICAL, INGRESS/EGRESS, PROPERTY SET-BACKS, AND/OR OTHER LOCAL CODE REQUIREMENTS ARE THE RESPONSIBILITY OF THE OWNER.

4. FIELD FRAMING CONNECTIONS SECURED WITH #12-14x3/4" SELF-DRILLING SCREWS.

5. ALL SHOP FRAMING CONNECTIONS ARE TO BE WELDED. NO WELDING ONSITE. ALL WELDING DONE IN SHOP BY A CERTIFIED WELDER.

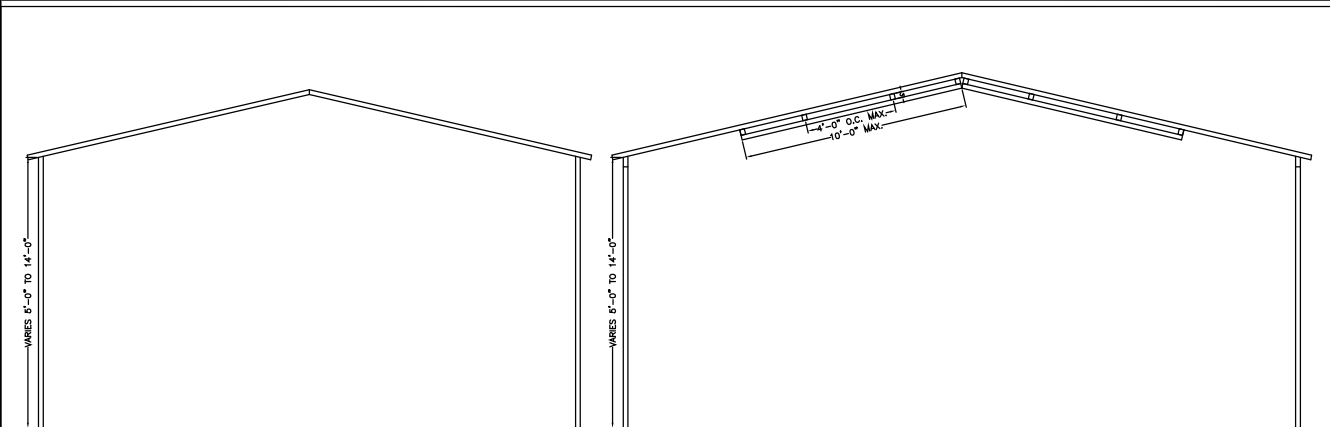
6. CONCRETE EXPANSIONS ANCHORS ARE TO BE MINIMUM 1/2"x3", 2,500LB TENSILE STRENGTH.

7. 14GA. FRAMING IS 2.5"x2.5" TUBE STEEL. NIPPLES ARE 2.25"x2.25" TUBE STEEL. 12GA. FRAMING IS 2.25"x2.25" TUBE STEEL. NIPPLES ARE 2.0"x2.0" TUBE STEEL.

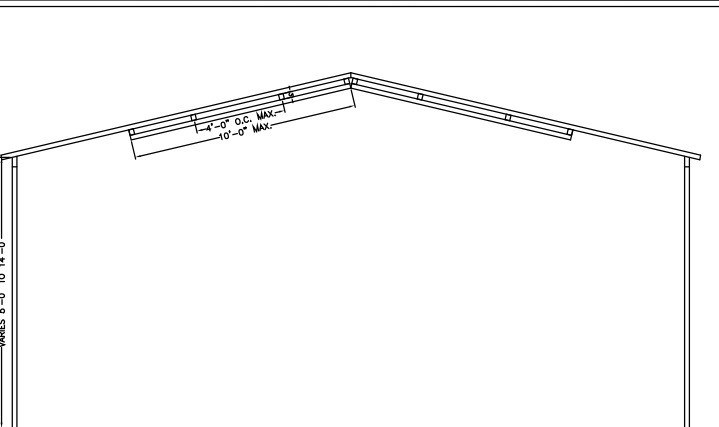
Matthew T. Baldwin P.E.
Florida License #64608

Sheet: CA-2 OF 3

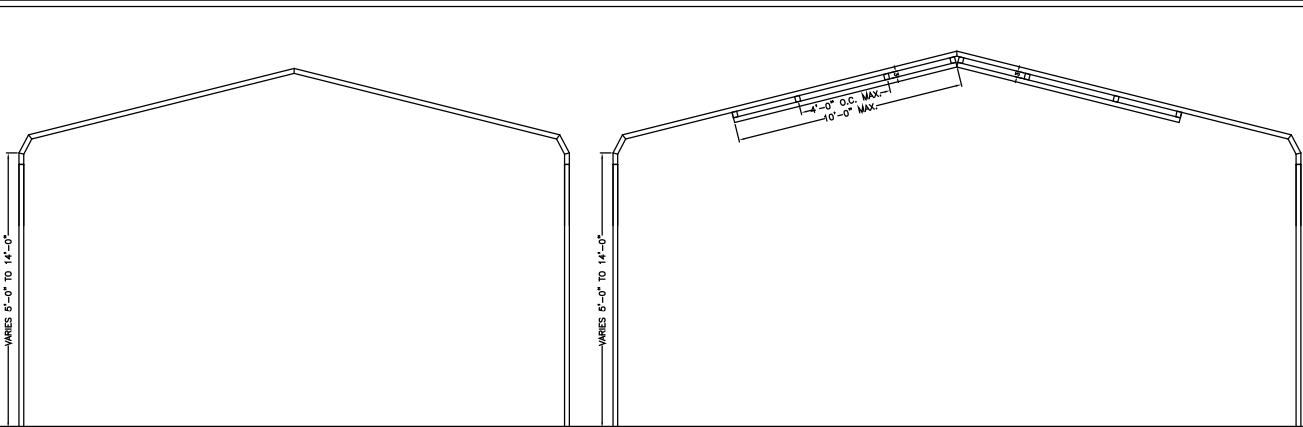
TITLE: DETAILS



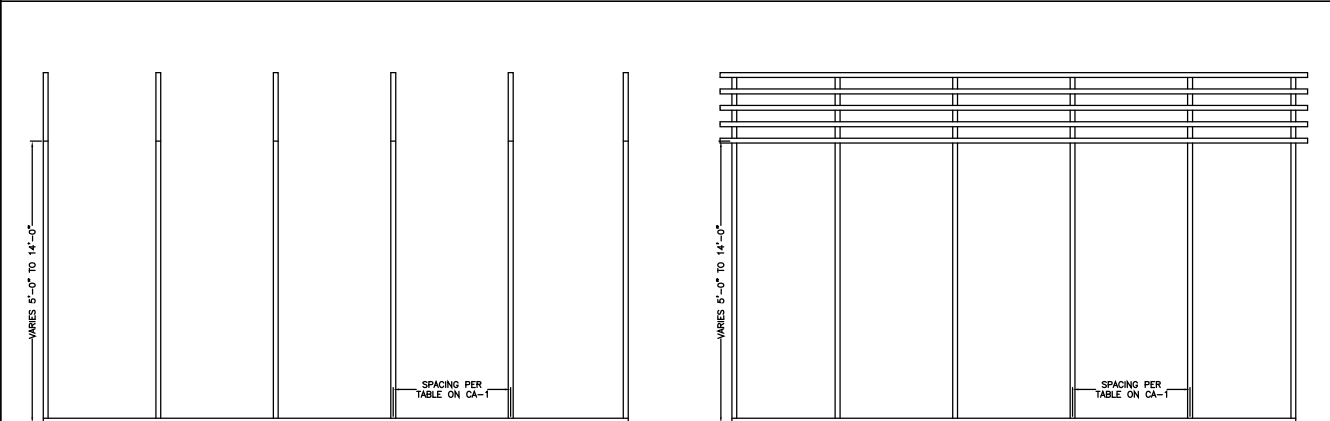
TYPICAL POST/TRUSS FRAMING SECTION –
BOX EAVE, UP TO & INCLUDING 24’ WIDE



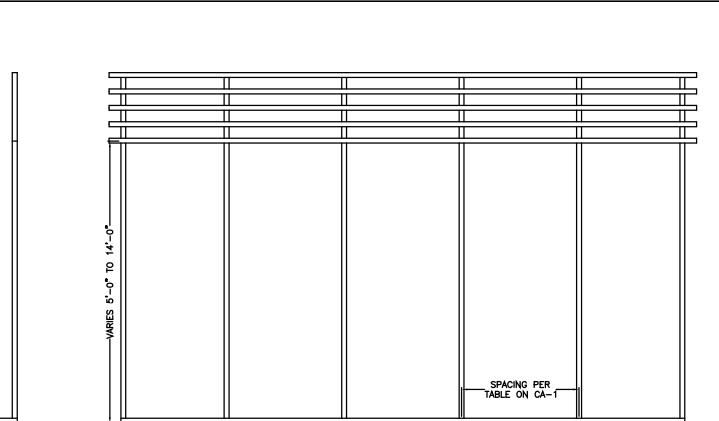
TYPICAL POST/TRUSS FRAMING SECTION –
BOX EAVE, 24’-1” TO 30’ WIDE



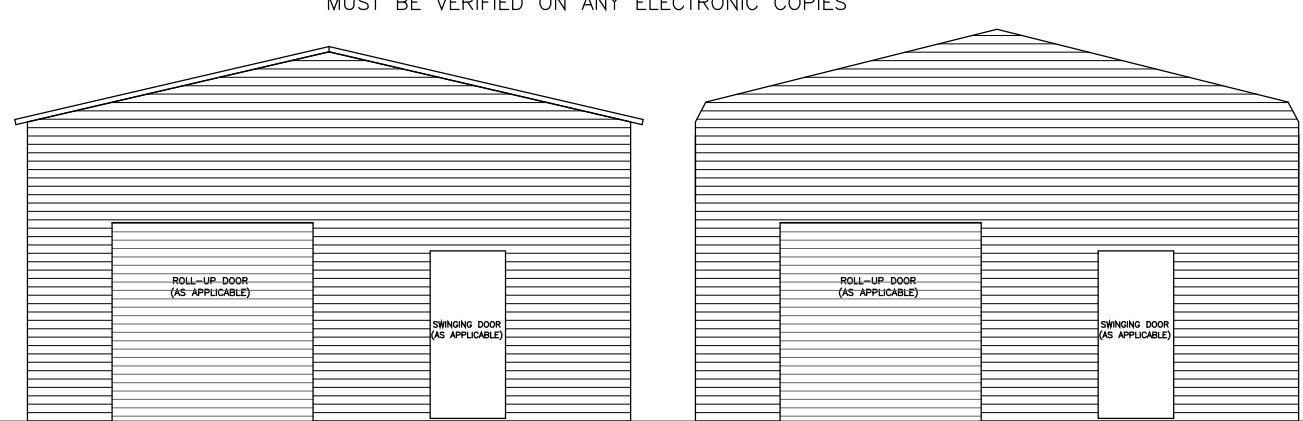
THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MATTHEW BALDWIN,
PE, ON 8/16/2022. PRINTED COPIES OF THIS DOCUMENT ARE NOT
CONSIDERED SIGNED AND SEALED AND THE SHA AUTHENTICATION CODE
MUST BE VERIFIED ON ANY ELECTRONIC COPIES



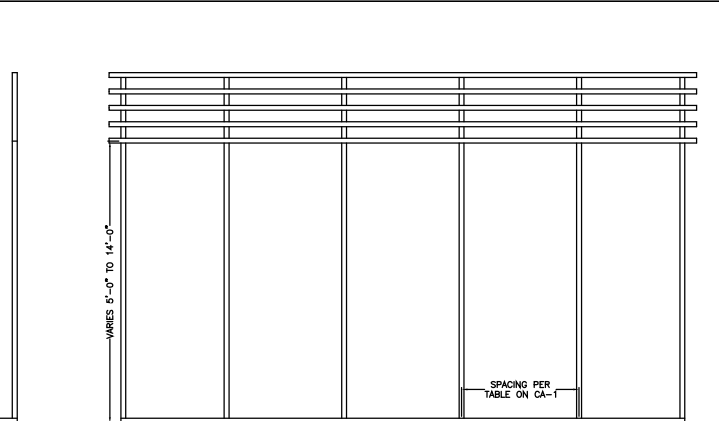
TYPICAL SIDE WALL FRAMING –
BOX EAVE/BOW FRAME, HORIZONTAL ROOF



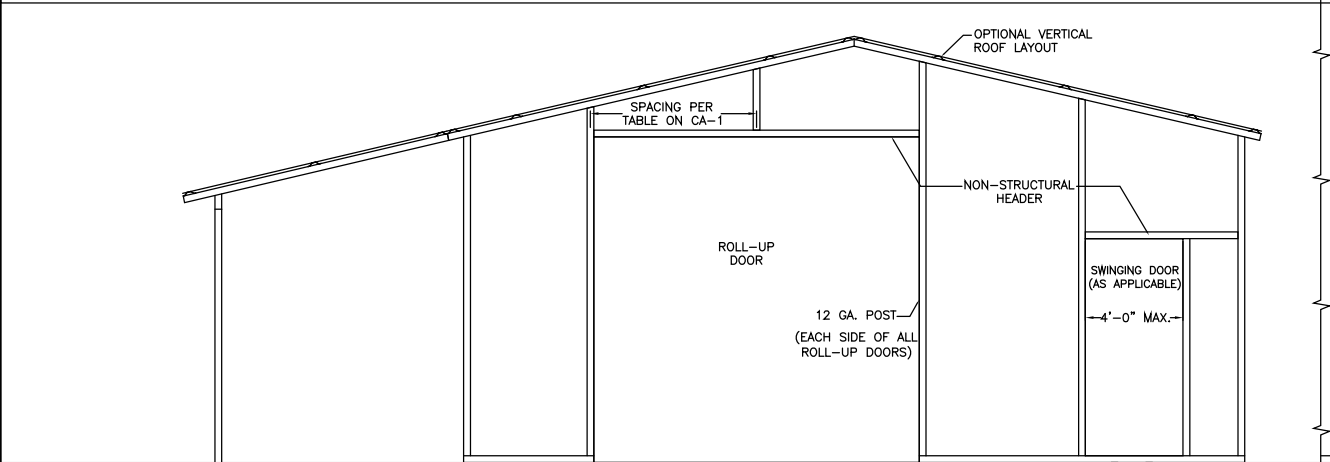
TYPICAL SIDE WALL FRAMING –
BOX EAVE, VERTICAL ROOF



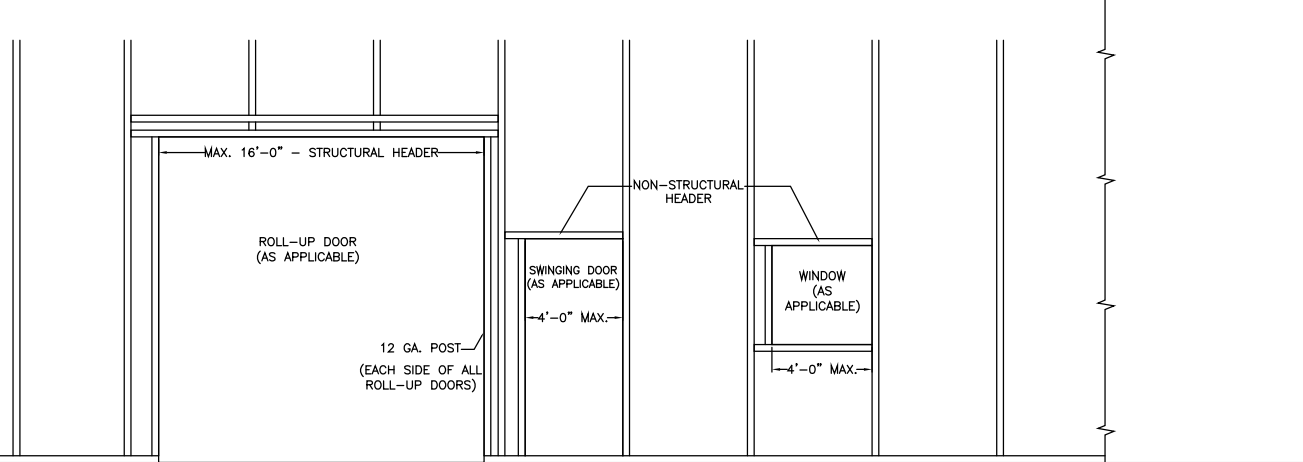
TYPICAL SIDE WALL ELEVATION –
BOW FRAME, HORIZONTAL WALLS & ROOF



TYPICAL SIDE WALL ELEVATION –
BOX EAVE, HORIZONTAL WALLS (OR LAP) & ROOF



TYPICAL END ELEVATION



TYPICAL SIDE WALL ELEVATION



CODE INFORMATION

CODE VERSION	FBC 2020 7th Edition, ASCE-7-16
MANUFACTURER	CARPORTS ANYWHERE
BUILDING TYPE	UTILITY STRUCTURE
CONSTRUCTION TYPE	II-B
RISK CATEGORY	1
FIRE PROTECTION	NONE
FIRE SUPPRESSION SYSTEM	NONE
OCCUPANCY	UTILITY U
BASIC WIND SPEED	Vac: 120-180mph
EXPOSURE	B/C
ENCLOSURE	ENCLOSED
INTERNAL PRESSURE COEFFICIENT	+/- 0.18
IMPORTANCE FACTOR	1.0
ROOF DEAD LOAD	10PSF
ROOF LIVE LOAD	20PSF OR 300lb POINT LOAD
FLOOR DEAD LOAD	10PSF
FLOOR LIVE LOAD	50PSF
"R" RATING OF WALLS, FLOOR, ROOF	N/A
MODULES PER BUILDING	1
HURRICANE PROTECTION USAGE	NO
HURRICANE SHELTER USAGE	NO
SQUARE FOOTAGE	

REVISIONS

REV	DESCRIPTION	DATE	BY
1	HEADER SPLICE, FILL COMPACTION	8/16/22	MTB

Drawn By:	MTB
Date:	5/27/20
Location:	FLORIDA

ENCLOSED GENERIC ENGINEERING

GENERAL NOTES

1. THIS BUILDING IS EXEMPT FROM THE FBC ENERGY CONSERVATION CODE PER SECTION C101.4.2.
2. ALL STEEL TUBING SHALL BE 50 KSI STEEL.
3. PLUMBING, ELECTRICAL, INGRESS/EGRESS, PROPERTY SET-BACKS, AND/OR OTHER LOCAL CODE REQUIREMENTS ARE THE RESPONSIBILITY OF THE OWNER.
4. FIELD FRAMING CONNECTIONS SECURED WITH #12-14x3/4" SELF-DRILLING SCREWS.
5. ALL SHOP FRAMING CONNECTIONS ARE TO BE WELDED. NO WELDING ONSITE. ALL WELDING DONE IN SHOP BY A CERTIFIED WELDER.
6. CONCRETE EXPANSIONS ANCHORS ARE TO BE MINIMUM 1/2"x3", 2,500LB TENSILE STRENGTH.
7. 14GA. FRAMING IS 2.5"x2.5" TUBE STEEL. NIPPLES ARE 2.25"x2.25" TUBE STEEL. 12GA. FRAMING IS 2.25"x2.25" TUBE STEEL. NIPPLES ARE 2.0"x2.0" TUBE STEEL.

TITLE: LAYOUT VIEWS