FBC APPROVED PRODUCT LIST

CATEGORY	SUBCATEGORY	MANUFACTURER & PRODUCT	APPROVAL NUMBER	MAX ALLOWABLE WINDSPEED (MPH)
STRUCTURAL COMPONENT	ROOF DECK	CARPORTS ANYWHERE, HAMPTON RIB ROOF PANEL	27402.1-R1	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

POST/TRUSS MAXIUM SPACINGS

ULTIMATE WINDSPEED (MPH)	STRUCTURE WIDTH (FT)	MAXIMUM POST/TRUSS SPACING (FT)
120-150	6-24	8.0
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 8:12
2. APPLICABLE ONLY FOR ANY MATERIALS LISTED ON THE APPROVED PRODUCTS CHART AND FRAMING INDICATED IN THE GENERAL NOTES AND DETAILS
3. 6' O.C. REQUIRES VERTICAL ROOF.

GROUND ANCHOR LENGTH

(ALL BUILDING WIDTHS ≤ 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"

NOTES:
SUB-GRADE SOILS:
-TO BE TERMITE TREATED AND COVERED WITH 6 MIL VAPOR RETARDANT PER SECTION R318 AND 1816 OF THE 2020 FLORIDA BUILDING CODE, 7TH EDITION
CONCRETE:
-MINIMUM 2,500 PSI COMPRESSIVE STRENGTH AT 28 DAYS
-ALL OPEN AREAS OF CONCRETE OUTSIDE OF THE PROPOSED STRUCTURE SHALL BE DESIGNED TO SLOPE AWAY FROM THE STRUCTURE
REINFORCING STEEL (REBAR) REQUIREMENTS:
-MINIMUM GRADE 40 STEEL
-REBAR MAY BE BENT IN SHOP OR FIELD PROVIDED:
  -THE REBAR IS BENT COLD
  -THE DIAMETER OF THE BEND MEASURED ON THE INSIDE DOES NOT EXCEED 6-BAR DIAMETERS; AND
  -REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FIELD BENT EXCEPT IN CASES WHERE DOWELS NEED TO BE BENT TO ALIGN WITH A VERTICAL CELL. THESE REBAR MAY BE BENT NOT TO EXCEED TO SLOPE OF 1" HORIZONTALLY TO 6" VERTICALLY.
-COVER:
  -3" COVER MINIMUM WHERE THE CONCRETE IS CAST AGAINST AND PERMANENTLY IN CONTACT WITH SOIL OR WEATHER, AND 1½" ELSEWHERE. REBAR EMBEDDED IN GROUTED CELLS SHALL HAVE A MINIMUM CLEAR DISTANCE OF ¼" FOR FINE GROUT, AND ⅜" FOR COARSE GROUT BETWEEN REBAR AND ANY FACE OF A CELL. REBAR USED IN MASONRY WALLS SHALL HAVE A MASONRY COVER (INCLUDING GROUT) OF NOT LESS THAN 2" FOR MASONRY UNITS WITH FACE EXPOSED TO EARTH OR WEATHER, AND ½" FOR MASONRY UNITS NOT EXPOSED TO EARTH OR WEATHER.
GALVANIZATION:
-METAL ACCESSORIES FOR USE IN EXTERIOR WALL CONSTRUCTION AND NOT DIRECTLY EXPOSED TO WEATHER SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A 153, CLASS B-2. METAL PLATE CONNECTORS, SCREWS, BOLTS, AND NAILS EXPOSED DIRECTLY TO WEATHER SHALL BE STAINLESS STEEL OR HOT DIPPED GALVANIZED.

THESE PLANS PERTAIN ONLY TO THE STRUCTURE, INCLUDING MAIN WIND FORCE RESISTING SYSTEM, COMPONENTS AND CLADDING, AND BASE RAIL ANCHORAGE. OTHER DESIGN ISSUES, INCLUDING BUT NOT LIMITED TO PLUMBING, ELECTRICAL, INGRESS/EGRESS, PROPERTY SET-BACKS, FINISH FLOOR ELEVATION AND SLOPE, OR OTHER LOCAL ZONING REQUIREMENTS ARE THE RESPONSIBILITY OF OTHERS.

THESE STRUCTURES ARE DESIGNED AS NON-HABITABLE UTILITY/STORAGE BUILDINGS (RISK CATEGORY I) CAPABLE OF SUPPORTING DEAD LOAD OF THE STRUCTURE AND APPLICABLE LIVE AND WIND LOADS. IMPROVEMENTS NOT SPECIFICALLY ADDRESSED HEREIN, INCLUDING DOORS, WINDOWS, OR OTHER COMPONENTS NOT LISTED IN THE FBC APPROVED PRODUCTS LIST (THIS SHEET), AND NOT PROVIDED AND INSTALLED BY CARPORTS ANYWHERE, INC., WHICH EXERT ADDITIONAL LOADS ON THE STRUCTURE SHALL BE AT THE OWNER'S RISK. CARPORTS ANYWHERE NOR THE ENGINEERING DESIGN SHALL NOT BE RESPONSIBLE FOR STRUCTURAL DAMAGE OR FAILURE DUE TO THE APPLICATION OF ADDITIONAL LOADS.

BASE RAIL GROUND ANCHOR REQUIREMENTS: ONE WITHIN 6" OF EVERY POST LOCATION, AND BOTH SIDES OF OPENINGS WHERE BASE RAIL IS ABSENT. GROUND ANCHORS ARE NOT REQUIRED FOR CONCRETE FOOTING AND/OR CONCRETE SLAB CONSTRUCTION. SEE GROUND ANCHOR SCHEDULE (THIS SHEET) FOR SPECIFIC TYPE GROUND ANCHOR REQUIREMENTS.

Columbia County Building Department
Plans Reviewed for Code Compliance
State of Florida

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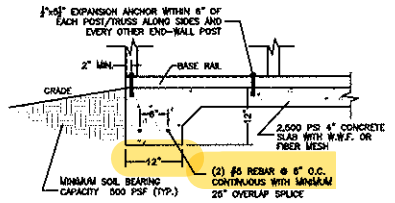
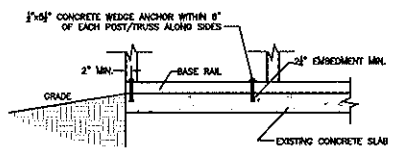
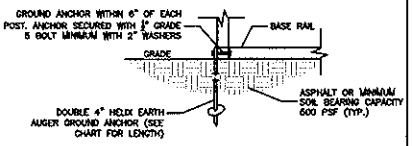


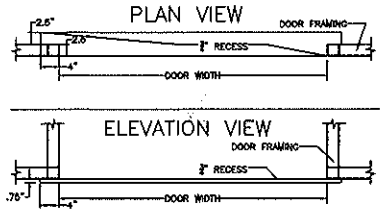
CONCRETE FOUNDATION/BASE RAIL ANCHOR DETAIL



CONCRETE FOUNDATION/BASE RAIL ANCHOR DETAIL (OPEN ONLY)



GROUND ANCHOR BASE RAIL DETAIL



OPTIONAL ROLL-UP DOOR CONCRETE SPLASH-GUARD RECESS

CARPORTS ANYWHERE

CODE INFORMATION	
CODE VERSION	FBC 2020 7th Edition, ASCE-7-16
MANUFACTURER	CARPORTS ANYWHERE
BUILDING TYPE	UTILITY STRUCTURE
CONSTRUCTION TYPE	II-B
RISK CATEGORY	I
FIRE PROTECTION	NONE
FIRE SUPPRESSION SYSTEM	NONE
OCCUPANCY	UTILITY U
BASIC WIND SPEED	Var. 120-180mph
EXPOSURE	B/C
ENCLOSURE	OPEN
INTERNAL PRESSURE COEFFICIENT	+/- 0.0
IMPORTANCE FACTOR	1.0
ROOF DEAD LOAD	10PSF
ROOF LIVE LOAD	20PSF OR 300lb POINT LOAD
FLOOR DEAD LOAD	10PSF
FLOOR LIVE LOAD	60PSF
"R" RATING OF WALLS, FLOOR, ROOF	N/A
MODULES PER BUILDING	1
HURRICANE PROTECTION USAGE	NO
HURRICANE SHELTER USAGE	NO
SQUARE FOOTAGE	

REVISIONS

REV	DESCRIPTON	DATE	BY

Drawn By: MTB
Date: 5/27/20
Location: FLORIDA
Model: OPEN 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. ROOF AND WALL SHEATHING SECURED WITH #12-14x1" SELF-DRILLING SCREWS WITH SEAL WASHERS @ 6" O.C. MAX.
5. FIELD FRAMING CONNECTIONS SECURED WITH #12-14x3/4" SELF-DRILLING SCREWS.
6. ALL SHOP FRAMING CONNECTIONS ARE TO BE WELDED. NO WELDING ONSITE. ALL WELDING DONE IN SHOP BY A CERTIFIED WELDER.
7. CONCRETE EXPANSIONS ANCHORS ARE TO BE MINIMUM 1/2"x8", 2,500LB TENSILE STRENGTH.
8. 12 OR 14GA FRAMING IS 2.5"x2.5" TUBE STEEL. NIPPLES ARE 2.25"x2.25" TUBE STEEL.

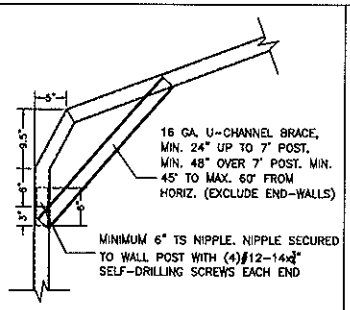
LICENSE NO. 84608 STATE OF FLORIDA PROFESSIONAL ENGINEER MATTHEW T. BALDWIN

Digitally signed by Matthew Baldwin
Date: 2021.01.06 16:28:53 -05'00'

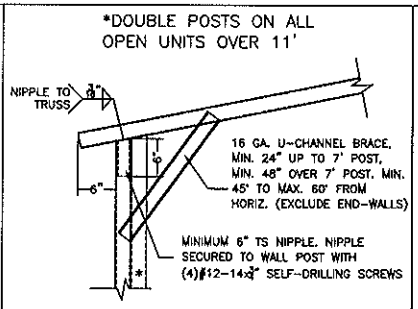
Matthew T. Baldwin P.E.
Florida License #84608

TITLE: PRODUCTS, ANCHORING, SPACING & CONRETE DETAILS

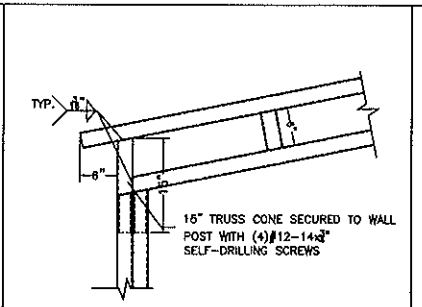
Sheet: CA-1 OF 3



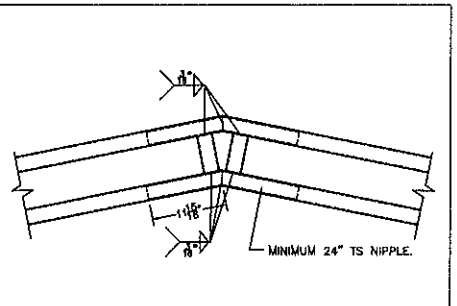
BOW RAFTER TO POST CONNECTION DETAIL



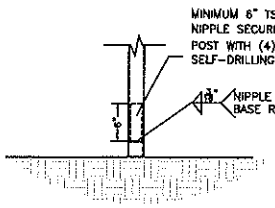
BOX EAVE RAFTER TO POST CONNECTION DETAIL



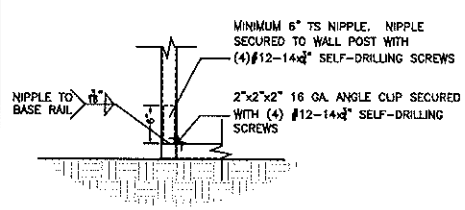
40' BOX EAVE RAFTER TO POST CONNECTION DETAIL



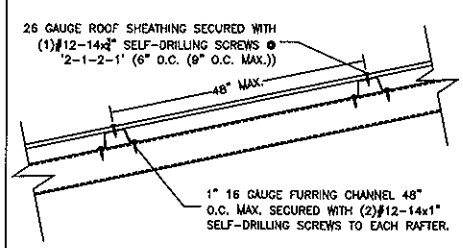
TRUSSED RAFTER CONNECTION DETAIL



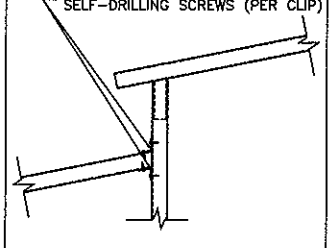
POST TO BASE RAIL CONNECTION



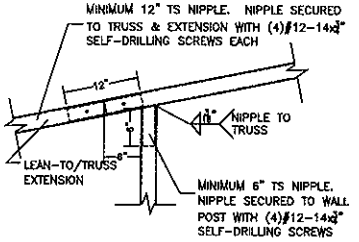
END POST TO BASE RAIL CONNECTION



ROOF PANEL CONNECTION
VERTICAL SHEATHING OPTION



LEAN-TO TO TRUSS CONNECTION



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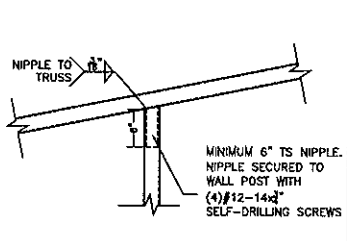

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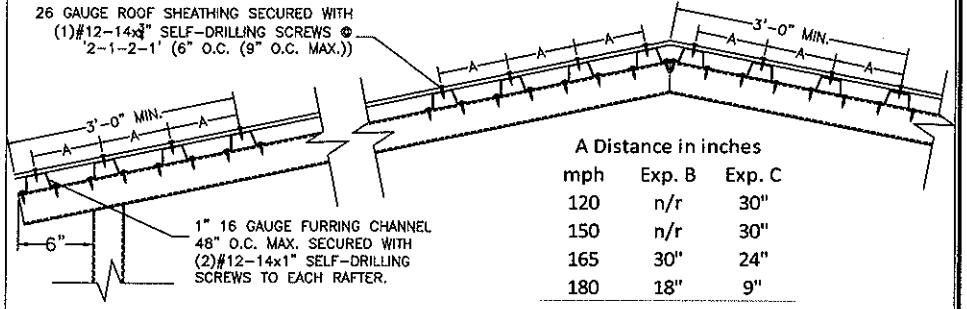

A Distance in inches

mph	Exp. B	Exp. C
120	n/r	30"
150	n/r	30"
165	30"	24"
180	18"	9"

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

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CARPORTS ANYWHERE

CODE INFORMATION	
CODE VERSION	FBC 2020 7th Edition, ASCE-7-16
MANUFACTURER	CARPORTS ANYWHERE
BUILDING TYPE	UTILITY STRUCTURE
CONSTRUCTION TYPE	II-B
RISK CATEGORY	I
FIRE PROTECTION	NONE
FIRE SUPPRESSION SYSTEM	NONE
OCCUPANCY	UTILITY U
BASIC WIND SPEED	Vult 120-180mph
EXPOSURE	B/C
ENCLOSURE	OPEN
INTERNAL PRESSURE COEFFICIENT	+/- 0.0
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	DESCRIPTON	DATE	BY

Drawn By: MTB
Date: 5/27/20
Location: FLORIDA
Model#: OPEN GENERIC ENGINEERING

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TITLE: DETAILS

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

Sheet: CA-2 OF 3

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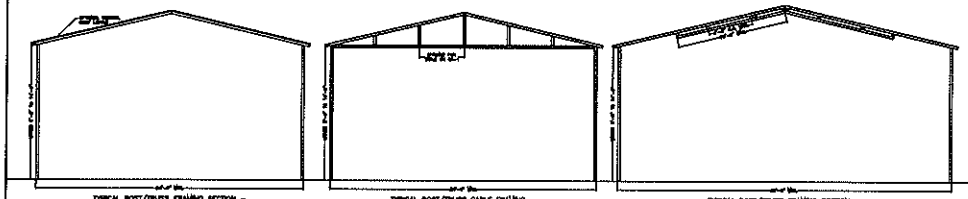
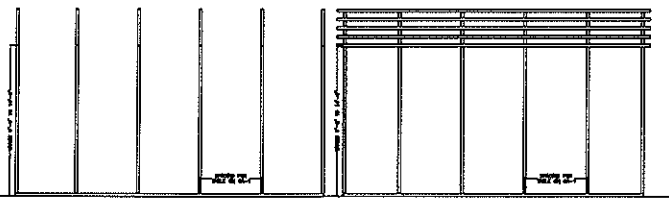


TYPICAL POST/TRUSS FRAMING SECTION – BOX EAVE, UP TO & INCLUDING 24' WIDE

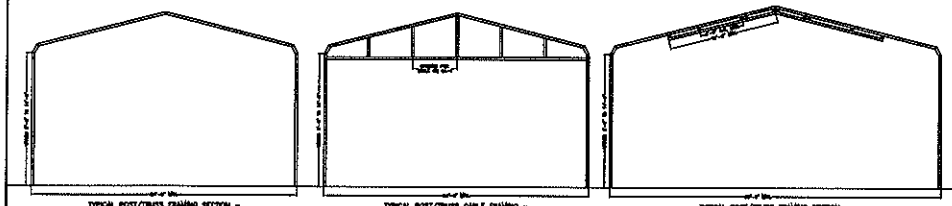
TYPICAL POST/TRUSS GABLE FRAMING – BOX EAVE, UP TO & INCLUDING 24' WIDE

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



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

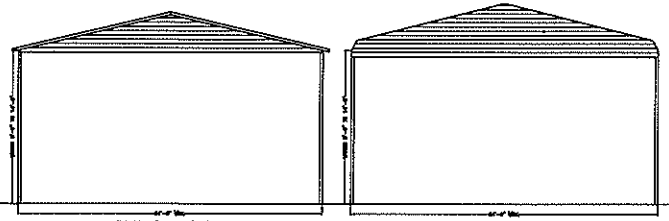
TYPICAL SIDE WALL FRAMING – BOX EAVE, VERTICAL ROOF



TYPICAL POST/TRUSS FRAMING SECTION – BOW FRAME, UP TO & INCLUDING 24' WIDE

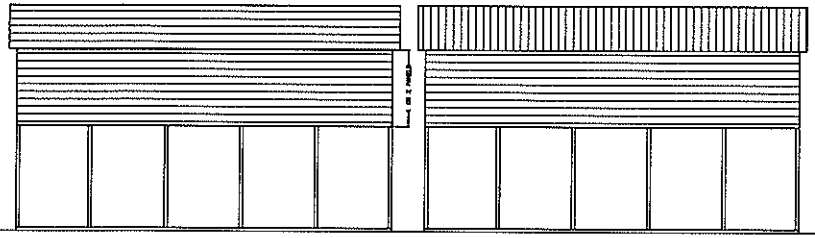
TYPICAL POST/TRUSS GABLE FRAMING – BOW FRAME, UP TO & INCLUDING 24' WIDE

TYPICAL POST/TRUSS FRAMING SECTION – BOW FRAME, 24'-1" TO 30' WIDE



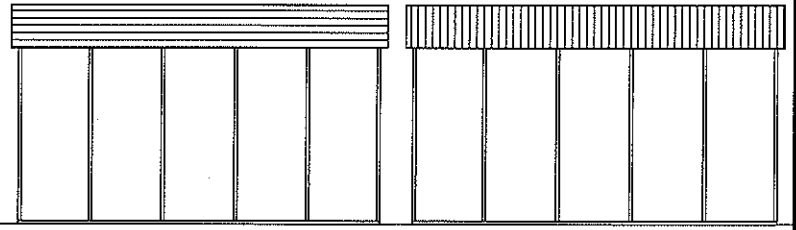
TYPICAL END ELEVATION – BOX EAVE GABLE

TYPICAL END ELEVATION – BOW FRAME GABLE



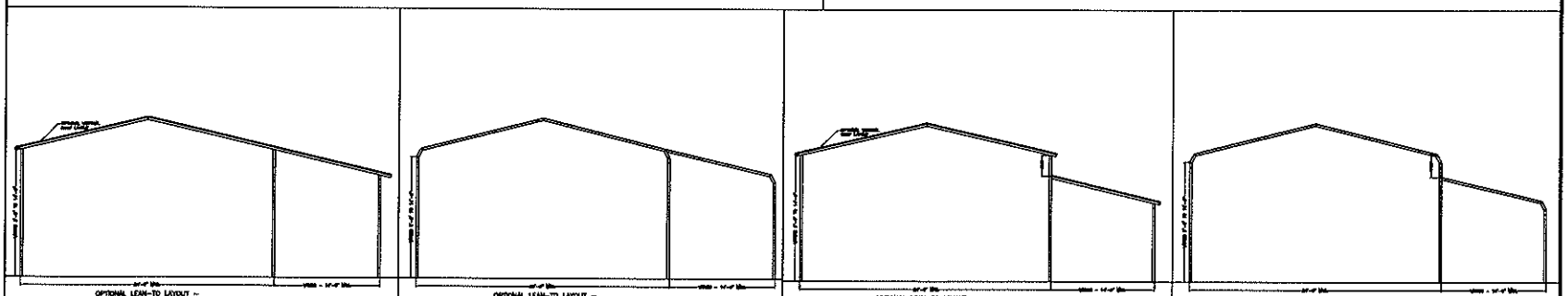
OPTIONAL SIDE WALL ELEVATION – BOX EAVE, HORIZONTAL WALL PANELS (OR LAP)/HORIZONTAL ROOF

OPTIONAL SIDE WALL ELEVATION – BOX EAVE, HORIZONTAL WALL PANELS (OR LAP)/VERTICAL ROOF



TYPICAL SIDE WALL ELEVATION – BOW FRAME, HORIZONTAL ROOF

TYPICAL SIDE WALL ELEVATION – BOX EAVE, VERTICAL ROOF



OPTIONAL LEAN-TO LAYOUT – CONTINUOUS ROOF

OPTIONAL LEAN-TO LAYOUT – CONTINUOUS ROOF

OPTIONAL LEAN-TO LAYOUT – DROP ROOF

OPTIONAL LEAN-TO LAYOUT – DROP ROOF

CARPORTS ANYWHERE

CODE INFORMATION	
CODE VERSION	FBC 2020 7th Edition, ASCE-7-16
MANUFACTURER	CARPORTS ANYWHERE
BUILDING TYPE	UTILITY STRUCTURE
CONSTRUCTION TYPE	II-B
RISK CATEGORY	I
FIRE PROTECTION	NONE
FIRE SUPPRESSION SYSTEM	NONE
OCCUPANCY	UTILITY U
BASIC WIND SPEED	Vult 120-180mph
EXPOSURE	B/C
ENCLOSURE	OPEN
INTERNAL PRESSURE COEFFICIENT	+/- 0.0
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	DESCRIPTON	DATE	BY

Drawn By: MTB

Date: 5/27/20

Location: FLORIDA

Model: OPEN GENERIC ENGINEERING

GENERAL NOTES

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TITLE: LAYOUT VIEWS

Matthew T. Baldwin P.E.
Florida License #84608

Sheet: CA-3 OF 3