

PRODUCT CATEGORY

SUB CATEGORY

MANUFACTURER

QA EXPIRATION DATE

APPROVAL No. & DATE

MAXIMUM ALLOWABLE WIND SPEED

PARTIALLY ENCLOSED

ENCLOSED

OPEN

STRUCTURAL COMPONENTS

STRUCTURAL WALL

CAROLINA CARPORTS, INC.
26 Gauge AG Panel

04/05/27

FL17902.1-R6
12/15/20

180

180

180

STRUCTURAL COMPONENTS

STRUCTURAL WALL

CAROLINA CARPORTS, INC.
26 Gauge AG Panel

03/14/27

FL17902.1-R6
12/15/20

180

180

180

STRUCTURAL COMPONENTS

FLOOD VENT

CRAWL SPACE DOOR SYSTEMS, INC.
16x8 Flood Vent

09/30/22

FL17902.1-R6
12/15/20

N/A

N/A

N/A

EXTERIOR DOORS

SWINGING

ELIXIR DOOR AND METAL COMPANY
Elixir 407

08/26/25

FL17902.1-R6
12/15/20

139

139

139

EXTERIOR DOORS

SWINGING

ELIXIR DOOR AND METAL COMPANY
Elixir 407

08/19/25

FL17902.1-R6
12/15/20

174

174

174

EXTERIOR DOORS

ROLL-UP

ASTA INDUSTRIES INC.
Model 203 (12' Max. Width)

12/31/21

FL17902.1-R6
12/15/20

174

174

174

EXTERIOR DOORS

ROLL-UP

CAROLINA CARPORTS, INC.
Steel Roll-Up Sheet Door (12' Max. Width)

04/05/27

FL17902.1-R6
12/15/20

154

154

154

EXTERIOR DOORS

ROLL-UP

CAROLINA CARPORTS, INC.
Steel Roll-Up Sheet Door (12' Max. Width)

04/05/27

FL17902.1-R6
12/15/20

160

160

160

EXTERIOR DOORS

ROLL-UP

CAROLINA CARPORTS, INC.
Steel Roll-Up Sheet Door (12' Max. Width)

04/05/27

FL17902.1-R6
12/15/20

133

133

133

EXTERIOR DOORS

ROLL-UP

CAROLINA CARPORTS, INC.
Steel Roll-Up Sheet Door (12' Max. Width)

04/05/27

FL17902.1-R6
12/15/20

172

172

172

WINDOWS

SINGLE HUNG

MI WINDOWS AND DOORS
Model 185SH

10/17/23

FL17902.1-R6
12/15/20

175

175

175

TABLE 1
RAFTER FRAME, END POST, GROUND ANCHOR AND PANEL FASTENER SPACING SPECIFICATIONS

RISK CATEGORY

WIND EXPOSURE CATEGORY

WIND SPEED (MPH)

ULTIMATE WIND SPEED (MPH)

NOMINAL POST / RAFTER SPACING (FEET)

INTERIOR POSTS/RAFTERS

END POSTS/RAFTERS

I

C

88 TO 116

110 TO 150

5.0

6

II

C

117 TO 139

151 TO 180

4.0

6

NOTES:

1. Specifications applicable to 26 gauge metal roof and wall panels fastened directly to 12 or 14 gauge steel tube framing, or 18 gauge hat channel roof purlins.

2. Specifications applicable only for mean roof height of 20 feet or less, and roof slopes of 7:12 to 27:12 (1.5:12 to 6:12 pitch). Spacing requirements for other roof heights and/or slopes may vary.

GROUND ANCHOR SCHEDULE

ULTIMATE WIND SPEED (mph)

110 120 130 140 150 160 170 180

30' Anchor Detail 1C

40' Anchor Detail 1C

60' Anchor Detail 1C

METAL CARPORT INSTALLATION PLANS AND DETAILS AND FRAMING AND FASTENER SPECIFICATIONS

FOR CONSTRUCTION IN THE STATE OF FLORIDA

PREPARED FOR:
CAROLINA CARPORTS, INC.
P.O. BOX 1263
DOBSON, NORTH CAROLINA 27017

PREPARED BY:
BECHTOL ENGINEERING AND TESTING, INC.
605 WEST NEW YORK AVENUE
DELAND, FLORIDA 32720
Certificate of Authorization No. 00005492

THIS IS TO CERTIFY THAT THE CALCULATIONS AND SPECIFICATIONS HEREIN HAVE BEEN PREPARED BY THE UNDERSIGNED PROFESSIONAL ENGINEER, AND ARE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 1609 OF THE FLORIDA BUILDING CODE, SEVENTH EDITION (2020).

BECHTOL ENGINEERING AND TESTING, INC.
605 WEST NEW YORK AVENUE
DELAND, FLORIDA 32720
No. 90753
STATE OF FLORIDA
PROFESSIONAL ENGINEER

CAROLINA CARPORTS, INC.
GENERIC PLANS FOR USE IN THE STATE OF FLORIDA

RECEIVED FOR COUNTY BUILDING DEPARTMENT

FILED COPY

COPIES EXAMINED

PLANS EXAMINED

1. ALL STEEL TUBING SHALL BE 60 KSI GALVANIZED STEEL. ALL FASTENERS SHALL BE GALVANIZED OR STAINLESS STEEL OR ZINC PLATED.

2. ALL COMPONENTS AND CLADDING SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND SHALL MEET THE DESIGN PRESSURES REQUIRED BY THE FLORIDA BUILDING CODE, SEVENTH EDITION (2020).

3. ALL FIELD FRAMING CONNECTIONS SHALL BE #12-14 x 3/4" SELF DRILLING SCREWS WITHOUT CONTROL SEAL WASHER. ALL SHOP FRAMING CONNECTIONS SHALL BE WELDED.

4. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI AT 28 DAYS. THE REINFORCING STEEL SHALL BE MINIMUM GRADE 40. CONCRETE SLAB FOUNDATIONS SHALL BE REINFORCED WITH 6X6-W1-4XW1-4 WELDED WIRE FABRIC COMPLYING WITH ASTM A 185, OR WITH SYNTHETIC FIBER REINFORCEMENT COMPLYING WITH ASTM C1116.

5. 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.

6. CONCRETE ANCHORS SHALL BE TAPCON REDHEAD LDT 1/2" x 5" OR EQUIVALENT OR WEIGHT ANKOR-TITE MODEL AT1252, OR SLEEVE ANCHOR MODEL HSA 1250, OR EQUIVALENT.

7. POST/RAFTER BRACING: BRACE ON EVERY POST/RAFTER CONNECTION, EXCEPT FOR END WALLS.

8. SLAB FOUNDATION SUBGRADE SOILS SHALL BE TREATED AND COVERED WITH 6 MIL VAPOR RETARDER PER SECTION R318.1 OF THE FBC SEVENTH EDITION (2020). BUILDING MINIMUM ALLOWABLE FOUNDATION SOIL CONTACT BEARING PRESSURE OF 2,000 PSF IS ASSUMED.

9. 14 GA FRAMING: 2-1/2" x 2-1/2" TUBE STEEL (TS) WITH 2-1/4" x 2-1/4" TS NIPPLES.

10. 12 GA FRAMING: 2-1/4" x 2-1/4" TS WITH 2-1/4" x 2-1/4" TS NIPPLES.

11. ENCLOSED AREAS REQUIRING FLOOD OPENINGS MUST HAVE A MINIMUM OF TWO (2) OPENINGS ON EXTERIOR WALLS. OPENINGS SHOULD BE INSTALLED ON AT LEAST TWO (2) SIDES OF ENCLOSED AREA, WITH BASE OF OPENINGS SET WITHIN 1-FOOT OF THE HIGHER OF INTERIOR OR EXTERIOR FINISH FLOOR. THE NUMBER OF FLOOD VENTS NOTED IN THE FBC APPROVED PRODUCTS LIST SHALL BE BASED ON ONE (1) FLOOD VENT PER EVERY 305 SQUARE FEET OF ENCLOSED AREA. SEE TYPICAL FLOOD VENT FRAMING PLAN, SHEET 5 OF 6.

33

BOW FRAME RAFTER OPEN CARPORT - HORIZONTAL ROOF TYPICAL SIDE ELEVATION NOT TO SCALE TYPICAL END ELEVATION NOT TO SCALE	BOW FRAME RAFTER ENCLOSED BUILDING - HORIZONTAL ROOF TYPICAL SIDE ELEVATION NOT TO SCALE TYPICAL END ELEVATION NOT TO SCALE	BOW FRAME RAFTER UTILITY BUILDING - HORIZONTAL ROOF TYPICAL SIDE ELEVATION NOT TO SCALE TYPICAL END ELEVATION NOT TO SCALE
BOX EAVE FRAME RAFTER OPEN CARPORT - HORIZONTAL ROOF TYPICAL SIDE ELEVATION NOT TO SCALE TYPICAL END ELEVATION NOT TO SCALE	BOX EAVE FRAME RAFTER ENCLOSED BLDG - HORIZONTAL ROOF TYPICAL SIDE ELEVATION NOT TO SCALE TYPICAL END ELEVATION NOT TO SCALE	BOX EAVE FRAME RAFTER UTILITY BLDG - HORIZONTAL ROOF TYPICAL SIDE ELEVATION NOT TO SCALE TYPICAL END ELEVATION NOT TO SCALE
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TYPICAL BOW FRAME RAFTER GABLE END ELEVATION NOT TO SCALE	TYPICAL BOX EAVE RAFTER GABLE END ELEVATION NOT TO SCALE	TYPICAL BOX EAVE RAFTER GABLE END ELEVATION NOT TO SCALE

BECHTOL ENGINEERING AND TESTING, INC.
 605 WEST NEW YORK AVENUE
 DELAND, FLORIDA 32722
 No. 90753
 PROFESSIONAL ENGINEER
 STATE OF FLORIDA

CAROLINA CARPORTS, INC.
 GENERIC PLANS FOR USE IN THE STATE OF FLORIDA

DATE	06/04/2021
BY	MTS
CHECKED BY	GT/101
APPROVED BY	TB

SHEET 2 OF 6

CAROLINA CARPORTS, INC.

GENERIC PLANS FOR USE IN THE STATE OF FLORIDA

DATE	06/04/2021	PAGE	1
DESIGN	mb	PROJECT	NIS
DATE		PROJECT ID	G21001
PROJECT	TB		

SHEET 1 OF 6

7 END POST/RAFTER CONN. DETAIL
Not To Scale

8 RAFTER POST/DBL. HEADER DETAIL
Not To Scale

9 RAFTER POST/HEADER DETAIL
Not To Scale

10 RAFTER POST/BASE
BASE RAIL CONNECTION DETAIL
Not To Scale

11A GABLE RAIL TO RAFTER POST CONNECTION DETAIL
Not To Scale

11B GABLE RAIL TO RAFTER POST CONNECTION DETAIL
Not To Scale

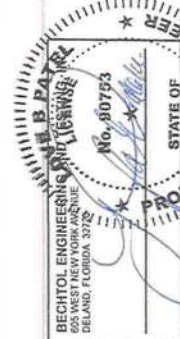
12 SIDE EXTENSION
RAFTER/POST DETAIL
Not To Scale

13 POST / LEAN-TO RAFTER CONN. DETAIL
Not To Scale

BRACE SECTION
Net To Scale

ROOF PANEL ATTACHMENT
(ALTERNATE FOR VERTICAL ROOF PANELS)
Not To Scale

TYPICAL FLOOD
VENT FRAMING PLAN
NOT TO SCALE



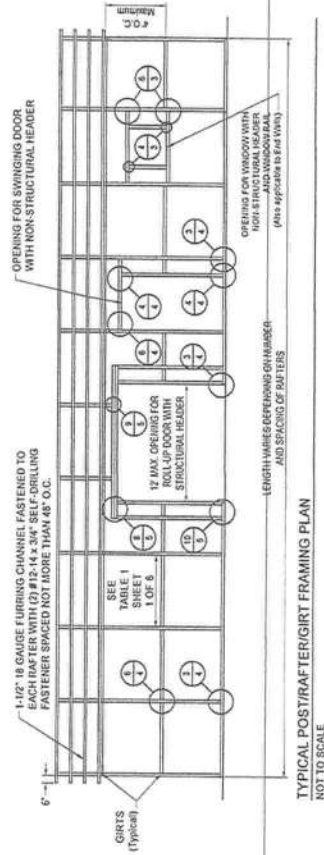
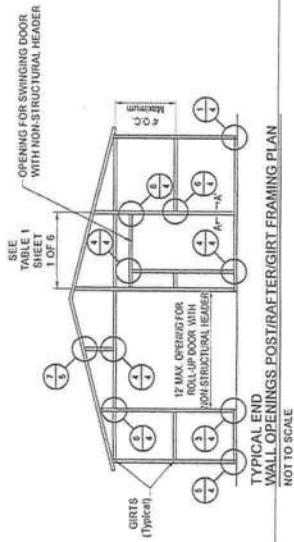
CAROLINA CARPENTS, INC.

GENERIC PLANS FOR USE IN THE STATE OF FLORIDA

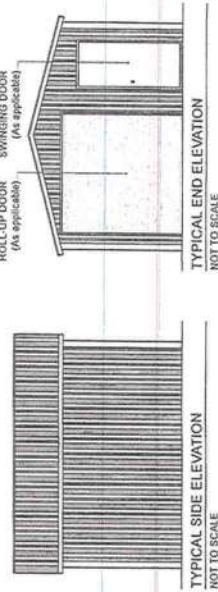
 BECHTOL ENGINEERING AND TESTING, INC. 6000 14th Street, Suite 200, Fort Collins, CO 80501-1400 970.221.1111 ext. 200 • FAX 970.221.1112		FILED CASES CATEGORIES REFERENCE	00-04/2021 00-04 NTS 021001 TB	06/04/2021 NTS 021001 SHEET 5 OF 6
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SEE GENERAL NOTE NO. 12, SHEET 1 OF 6.

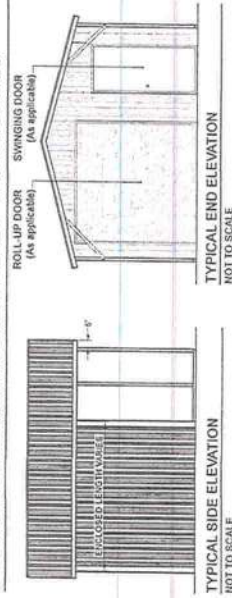
VERTICAL SIDE OPTION



BOX EAVE FRAME RAFTER ENCLOSED BLDG - VERTICAL SIDES



BOX EAVE FRAME RAFTER UTILITY BLDG - VERTICAL SIDES



CAROLINA CARPORTS, INC.		GENERIC PLANS FOR USE IN THE STATE OF FLORIDA	
DATE	06/01/2021	DESIGNED BY	NTS
DRAWN BY	msb	CHECKED BY	NTS
PROJECT NO.	G21001	PROJECT TB	
BECHTOL ENGINEERING AND TESTING, INC.		SHEET 6 OF 6	

Permit Application Number _____

-PART II - SITEPLAN

A hand-drawn site plan of a property, likely a residential lot, with various dimensions and features labeled. The plan is oriented with North at the top, indicated by a large arrow labeled "North".

- Property Dimensions:**
 - Top boundary: 105'
 - Right boundary: 185'
 - Bottom boundary: 300'
 - Left boundary: 210'
- Internal Features and Dimensions:**
 - Top Left:** A small rectangular area labeled "DRIVE" with a width of 47'.
 - Top Center:** A rectangular area labeled "64 382 1920 SQ" with a width of 30'.
 - Top Right:** A rectangular area labeled "105'" and "185'".
 - Center:** A rectangular area labeled "60'" and "95'".
 - Bottom Left:** A rectangular area labeled "50'" and "SB" (Shed Building) with a width of 19'.
 - Bottom Center:** A rectangular area labeled "SLOPE" with a width of 95'.
- Other Labels:**
 - "EWEHL 160'" (likely a well or hole) near the top left.
 - "Push 21 left side" (likely a fence or boundary line) near the bottom left.
 - "Notes:" at the bottom left.

Notes:

1.44 of 65.99 Acres

See Attached

Site Plan submitted by:

Contractor

Plan Approved

Not Approved

Date _____

By

County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

56514

STATE OF FLORIDA
COUNTY OF COLUMBIA

LAND OWNER AFFIDAVIT

This is to certify that I, (We), Deborah Graham,

as the owner of the below described property:

Property tax Parcel ID number 05-2S-17-04669-002

Subdivision (Name, lot, Block, Phase) NA

Give my permission for Jonathan Lizza to place a

Circle one - Mobile Home / Travel Trailer / Utility Pole Only / Single Family Home /
Barn - Shed - Garage / Culvert / Other _____

I (We) understand that the named person(s) above will be allowed to receive a building permit on the property number I (we) have listed above and this could result in an assessment for solid waste and fire protection services levied on this property.

Deborah Graham
Owner Signature

8/8/2022
Date

Deborah Graham
Owner Signature

10/3/2022
Date

Owner Signature

Date

Sworn to and subscribed before me this 8^{3rd} day of Aug Oct, 2022. This

(These) person(s) are personally known to me or produced ID FL DL.
(Type)

Wendy Coody
Notary Public Signature

Wendy Coody
Notary Printed Name

Notary Stamp/

