

Tan

Clay

E. Brown

P. Gray

Q. Gray

K. Blue

S. Blue

Evergreen

B. Red

C. Red

T. Burgu

V. Burgu

Black

Select Your Trim Color

White

P. Beige

Sandstone

Tan

Clay

E. Brown

P. Gray

Q. Gray

K. Blue

S. Blue

Evergreen

B. Red

C. Red

T. Burgu

V. Burgu

Black

Deposit\$949.45

Price\$5,585.00

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Installation Surface

GROUND OR GRAVEL

CONCRETE

ASPHALT

[Learn More](#)

Certification

CERTIFIED FOR 150 MPH	CERTIFIED 150 MPH 5' ON CENTER - 12GA +\$300	CERTIFIED 170 MPH 4' ON CENTER - 14GA +\$375	CERTIFIED 170 MPH 4' ON CENTER - 12GA +\$720
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29 GA or 26 GA Sheeting

[Learn More](#)

FL 26 GA

Roof Style:Vertical

Roof Color:B. Red

Trim Color:White

Sides Color:N/A

Garage Door Color:N/A

Zipcode:32055

Width:24'

Length:35'

Height:10'

Garage Doors:0

Walk-In Doors:0

Windows:0

Delivery Zip Code:

Price:

\$5,585.00



# FBC APPROVED PRODUCTS LIST

PRODUCT CATEGORY	SUB CATEGORY	MANUFACTURER	APPROVAL No. & DATE	MAXIMUM ALLOWABLE WIND SPEED		
				QA EXPIRATION DATE	OPEN	ENCLOSED PARTIALLY ENCLOSED
STRUCTURAL COMPONENTS	ROOF DECK	CAROLINA CARPORTS, INC. 26 Gauge AG Panel	FL6596, 1-R6 12/15/20	04/05/27	180	180
STRUCTURAL COMPONENTS	STRUCTURAL WALL	CAROLINA CARPORTS, INC. 26 Gauge AG Panel	FL6702, 1-R6 12/15/20	03/14/27	180	180
STRUCTURAL COMPONENTS	STRUCTURAL WALL	CAROLINA CARPORTS, INC. 26 Gauge Bulfinch Lap Wall Panel	FL6703, 3-R6 12/15/20	03/14/27	N/A	143
STRUCTURAL COMPONENTS	FLOOD VENT	CRANF. SPACE DOOR SYSTEMS, INC. 16x6 Flood Vent	FL29622, 1-R1 02/28/21	09/20/22	N/A	N/A
EXTERIOR DOORS	SWINGING	ELIXIR DOOR AND METAL COMPANY Series 402-14	FL17986, 3-R2 02/28/21	08/26/25	N/A	139
EXTERIOR DOORS	SWINGING	ELIXIR DOOR AND METAL COMPANY Series 407	FL17986, 4-R2 02/28/21	08/19/25	N/A	155
EXTERIOR DOORS	ROLL-UP	ASTA INDUSTRIES INC. Model 203 (12' Max. Width)	FL6886, 1-R6 02/28/21	12/31/23	N/A	174
EXTERIOR DOORS	ROLL-UP	CAROLINA CARPORTS, INC. Steel Roll-Up Steel Door (12' Max. Width)	FL16806, 1-R5 12/16/20	04/05/27	N/A	154
EXTERIOR DOORS	ROLL-UP	CAROLINA CARPORTS, INC. Steel Roll-Up Steel Door - (6' Max. Width)	FL16806, 2-R5 12/16/20	04/05/27	N/A	180
EXTERIOR DOORS	ROLL-UP	CAROLINA CARPORTS, INC. Steel Roll-Up Steel Door - (16' Max. Width)	FL16806, 3-R5 12/16/20	04/05/27	N/A	133
EXTERIOR DOORS	ROLL-UP	CAROLINA CARPORTS, INC. Steel Roll-Up Steel Door - (10' Max. Width)	FL16806, 4-R5 12/16/20	04/05/27	N/A	172
WINDOWS	SINGLE HUNG	POT INDUSTRIES Model SH7290	FL1239, 4-R28 11/11/20	10/17/23	N/A	178

NOTES:  
1. DOORS AND WINDOWS SHOWN MAY BE SUBSTITUTED FOR DIFFERENT PRODUCT LINES AND/OR MODELS, PROVIDED THE FOLLOWING CONDITIONS ARE MET:  
A. PRODUCT IS INSTALLED ACCORDING TO MANUFACTURER'S INSTALLATION INSTRUCTIONS.  
B. COMPONENTS ARE INSTALLED ACCORDING TO MANUFACTURER'S INSTALLATION INSTRUCTIONS.  
2. FRAMING CONNECTIONS FOR DOOR AND WINDOW FRAMES REMAIN THE SAME FOR SUBSTITUTED PRODUCTS. HEADERS AND WINDOW RAILS MAY BE RAISED OR LOWERED AS NECESSARY TO ACCOMMODATE SUBSTITUTED PRODUCT.

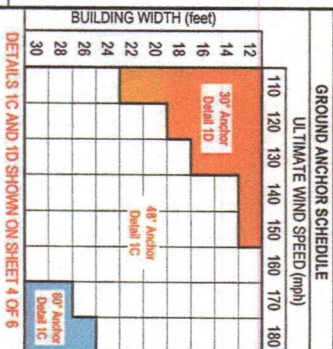
## GENERAL NOTES:

1. 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.
2. THESE STRUCTURES ARE DESIGNED AS NON-HABITABLE UTILITIES/TORAGE BUILDINGS (RISK CATEGORY 1) 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 CAROLINA CARPORTS, INC., WHICH EXERTS ADDITIONAL LOADS ON THE STRUCTURE SHALL BE AT THE OWNER'S RISK. BECHTOL ENGINEERING AND TESTING, INC. SHALL NOT BE RESPONSIBLE FOR STRUCTURAL DAMAGE OR FAILURE DUE TO THE APPLICATION OF ADDITIONAL LOADS.
3. ALL STEEL TUBING SHALL BE 50 KSI GALVANIZED STEEL. ALL FASTENERS SHALL BE GALVANIZED OR STAINLESS STEEL OR ZINC PLATED.
4. 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 (FBC) AT THE LOCATION OF THE BUILDING WITHIN THE STATE OF FLORIDA.
5. 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.
6. 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.
7. 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.
8. CONCRETE ANCHORS SHALL BE RAPCON REDHEAD LOT 1/2" x 5" OR EQUIVALENT OR WELJIT ANKR-TITE MODEL AT1292, OR SLEEVE ANCHOR MODEL HSA 1290, OR EQUIVALENT.
9. POST/RAFTER BRACING: BRACE ON EVERY POST/RAFTER CONNECTION, EXCEPT FOR END WALLS.
10. SLAB FOUNDATION SUBGRADE SOILS SHALL BE TREATED AND COVERED WITH 6 MIL VAPOR RETARDER PER SECTION R318.1 OF THE FBC SEVENTH EDITION (2020). - RESIDENTIAL, AND SECTION 1816.1 OF THE FBC SEVENTH EDITION (2020). - BUILDING. MINIMUM ALLOWABLE FOUNDATION SOIL CONTACT BEARING PRESSURE OF 2,000 PSF IS ASSUMED.
11. 14 GA FRAMING: 2-1/2" x 2-1/2" TUBE STEEL (TS) WITH 2-1/4" x 2-1/4" TS NIPPLES.
12. 12 GA FRAMING: 2-1/4" x 2-1/4" TS WITH 2" x 2" TS NIPPLES.
13. 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 GRADE. REQUIRED TOTAL 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 S OF 6.

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

RISK CATEGORY	WIND EXPOSURE CATEGORY	ULTIMATE WIND SPEED (MPH)	NOMINAL WIND SPEED (MPH)	MAXIMUM POST / RAFTER SPACING (FEET)	AVERAGE FASTENER SPACING ON-CENTERS ALONG RAFTERS OR PURLINS, AND POSTS OR GIRTS (INCHES)	
					INTERIOR POSTS/RAFTERS	END POSTS/RAFTERS
I	C	110 TO 150	99 TO 116	5.0	6	6
		151 TO 180	117 TO 139	4.0	6	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" to 27" (1.5:12 to 6:12 pitch). Spacing requirements for other roof heights and/or slopes may vary.



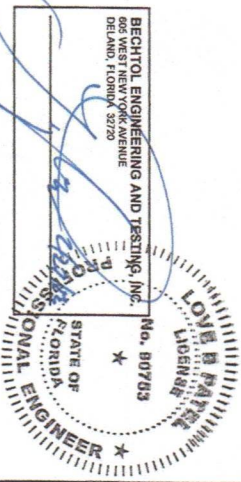
DETAILS 1C AND 1D SHOWN ON SHEET 4 OF 6

## METAL CARPORT INSTALLATION PLANS AND DETAILS AND FASTENER SPECIFICATIONS

FOR CONSTRUCTION IN THE STATE OF FLORIDA

PREPARED FOR:  
CAROLINA CARPORTS, INC.  
P.O. BOX 1293  
DOBSON, NORTH CAROLINA 27017  
PREPARED BY:  
BECHTOL ENGINEERING AND TESTING, INC.  
608 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 AN UNDERSTANDING PROFESSIONAL ENGINEER, AND ARE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 1601 OF THE FLORIDA BUILDING CODE, SEVENTH EDITION (2020).

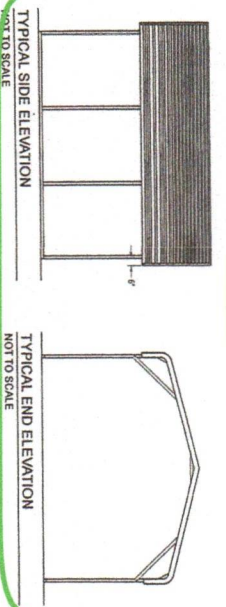


## CAROLINA CARPORTS, INC. GENERIC PLANS FOR USE IN THE STATE OF FLORIDA

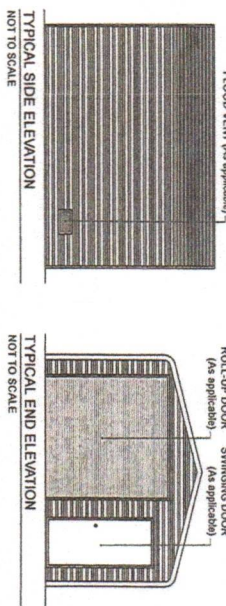
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	DESIGNED BY: MMB	DRAWN BY: MMB
	SHEET 10 OF 6	
	PROJECT: 1817CS	DATE: 02/20/21



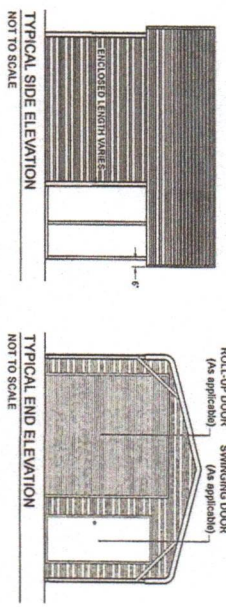
**BOW FRAME RAFTER OPEN CARPORT - HORIZONTAL ROOF**



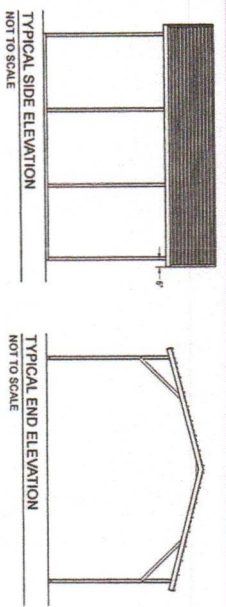
**BOW FRAME RAFTER ENCLOSED BUILDING - HORIZONTAL ROOF**



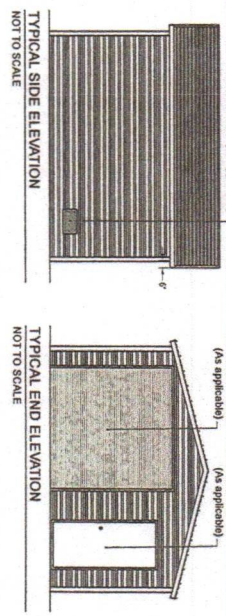
**BOW FRAME RAFTER UTILITY BUILDING - HORIZONTAL ROOF**



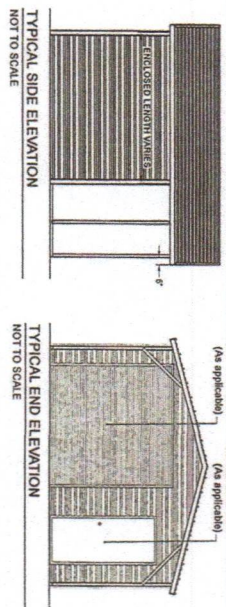
**BOX EAVE FRAME RAFTER OPEN CARPORT - HORIZONTAL ROOF**



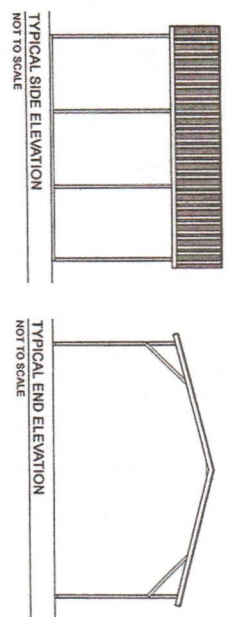
**BOX EAVE FRAME RAFTER ENCLOSED BLDG - HORIZONTAL ROOF**



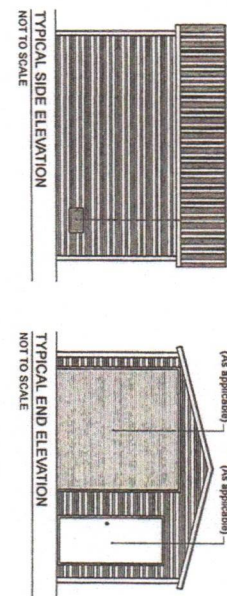
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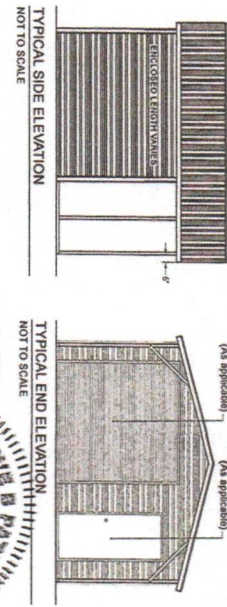
**BOX EAVE FRAME RAFTER OPEN CARPORT - VERTICAL ROOF**



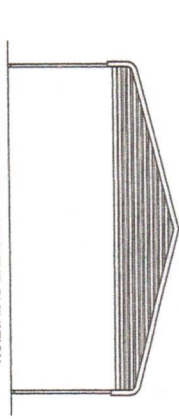
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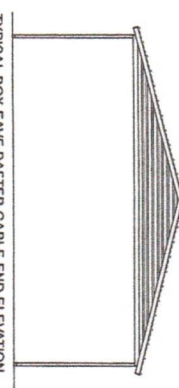
**BOX EAVE FRAME RAFTER UTILITY BLDG - VERTICAL ROOF**



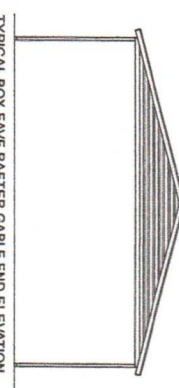
**TYPICAL BOW RAFTER GABLE END ELEVATION**



**TYPICAL BOX EAVE RAFTER GABLE END ELEVATION**



**TYPICAL BOX EAVE RAFTER GABLE END ELEVATION**



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

**BECHTOL ENGINEERING AND TESTING, INC.**  
605 WEST NEW YORK AVENUE  
DELAND, FLORIDA 32720

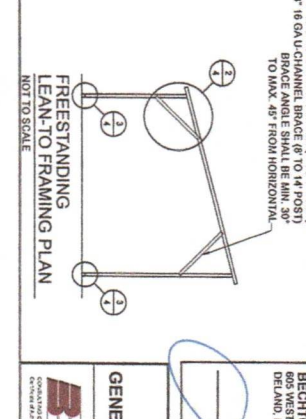
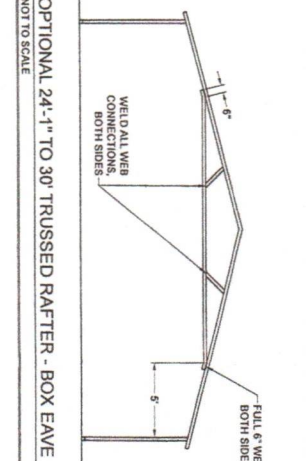
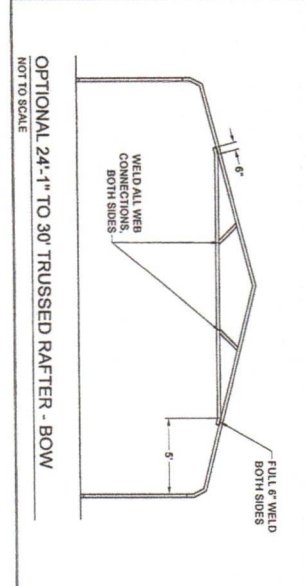
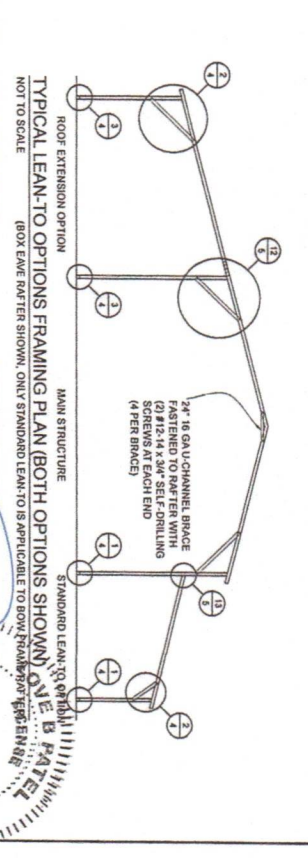
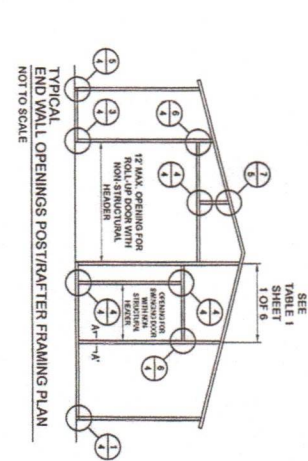
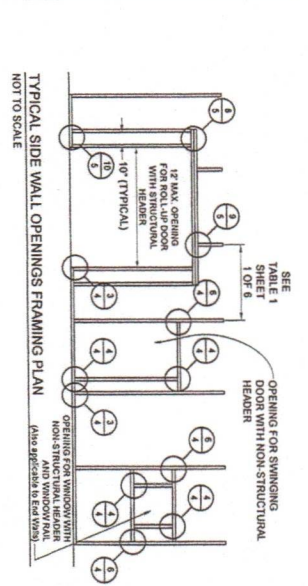
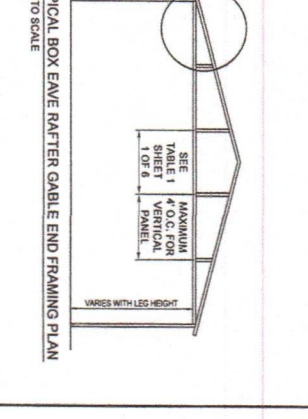
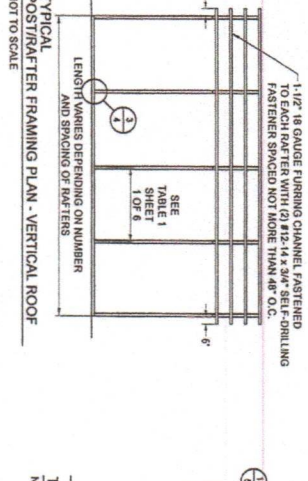
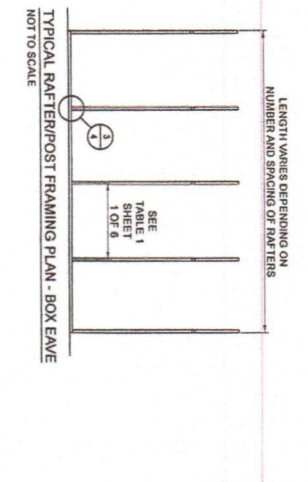
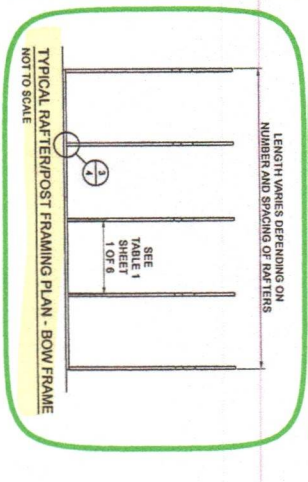
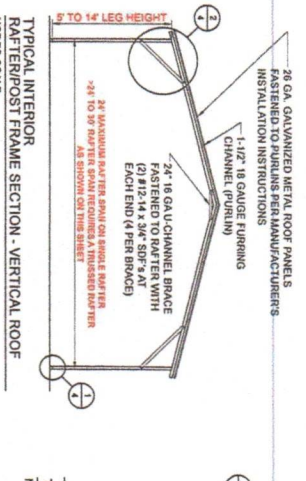
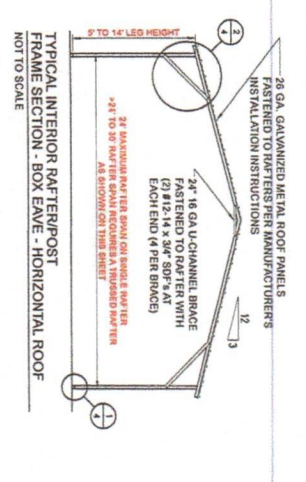
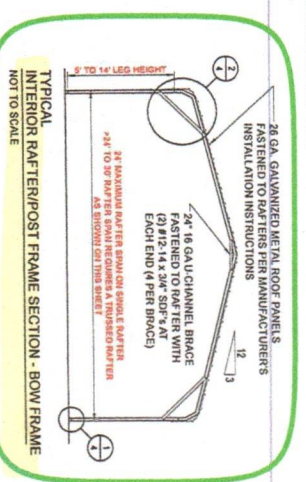
**Professional Engineer**  
STATE OF FLORIDA  
No. 90783

**BECHTOL ENGINEERING AND TESTING, INC.**  
605 WEST NEW YORK AVENUE  
DELAND, FLORIDA 32720

**Professional Engineer**  
STATE OF FLORIDA  
No. 90783

DATE	REV	BY
22/1/2023	MB	MB
22/1/2023	MB	MB
22/1/2023	MB	MB
SHEET 2 OF 6		





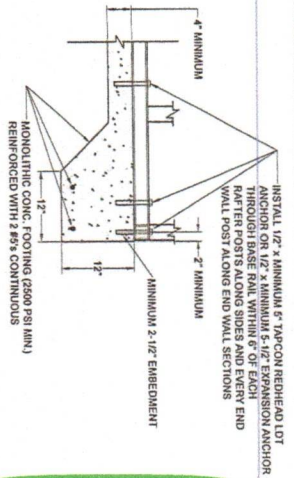
**CAROLINA CARPORTS, INC.**  
 GENERIC PLANS FOR USE IN THE STATE OF FLORIDA

BECHTOL ENGINEERING AND TESTING, INC.  
 805 WEST NEW YORK AVENUE  
 DELAND, FLORIDA 32720

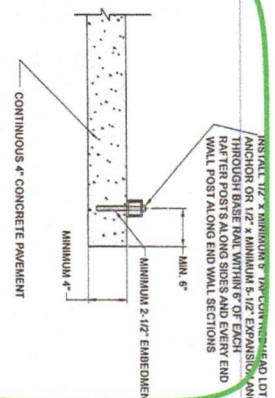
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 PROFESSIONAL ENGINEER  
 No. 00783

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 CHECK: NIS  
 REVISION: 18/C/S  
 PROJECT: 18/J/P  
 SHEET 7 OF 6

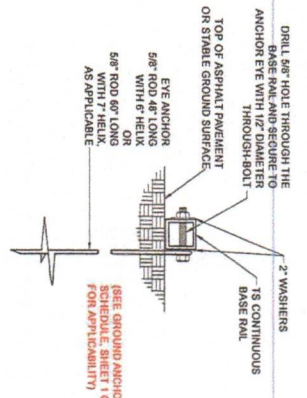




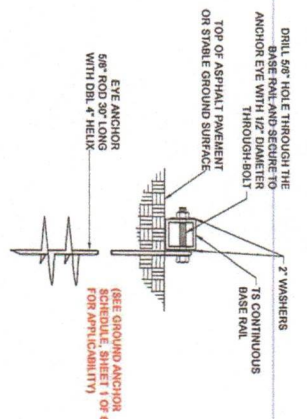
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**CONCRETE BASE RAIL ANCHORAGE**



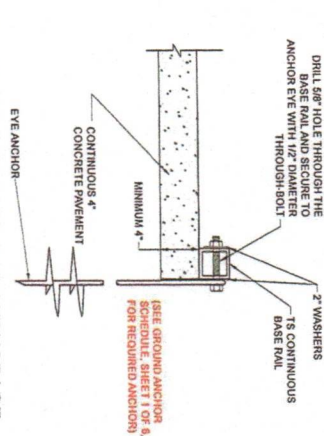
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**CONCRETE BASE RAIL ANCHORAGE**  
(OPTIONAL - OPEN CARPORTS ONLY)



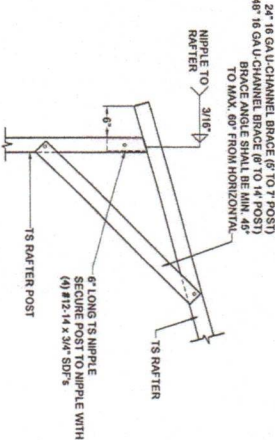
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**BASE RAIL DEEP ANCHORAGE**



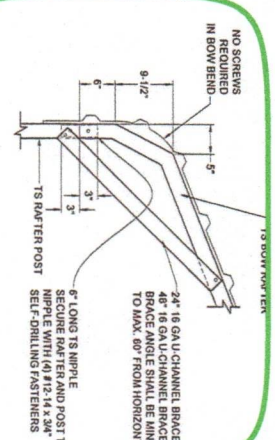
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**BASE RAIL ANCHORAGE**



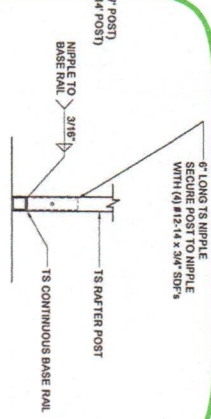
1E  
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**CONCRETE BASE RAIL ANCHORAGE**  
(OPEN CARPORTS WHERE SLAB EDGE DISTANCE DOES NOT MEET MINIMUM EDGE DISTANCE SHOWN IN DETAIL 1B)



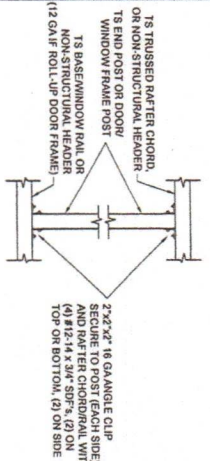
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**BOX EAVE RAFTER/POST DETAIL**



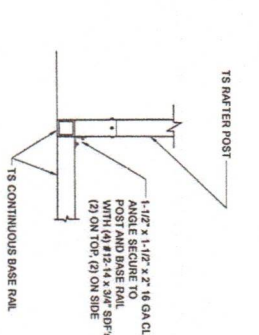
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**BOW RAFTER/POST DETAIL**



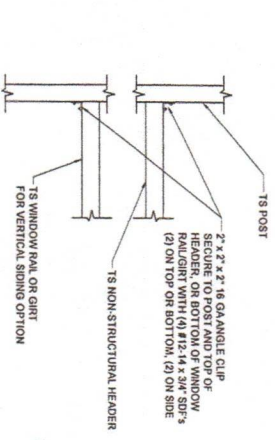
3  
Not To Scale  
**POST/BASE RAIL CONN. DETAIL**



4  
Not To Scale  
**POST TO RAIL, TRUSS CHORD, OR NON-STRUCTURAL HEADER CONN. DETAIL**



5  
Not To Scale  
**END POST/BASE RAIL CONN.**



6  
Not To Scale  
**NON-STRUCTURAL HEADER, WINDOW RAIL, OR GIRTS TO POST CONN. DETAIL**

**CAROLINA CARPORTS, INC.**

GENERIC PLANS FOR USE IN THE STATE OF FLORIDA

DATE	2/21/2023
BY	AKG
CHECKED	TB/CS
PROJECT	19/1P
SHEET	1 OF 6

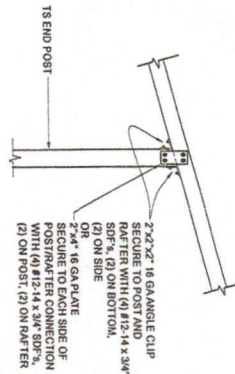
BECHTOL ENGINEERING AND TESTING, INC.

REGISTERED PROFESSIONAL ENGINEER

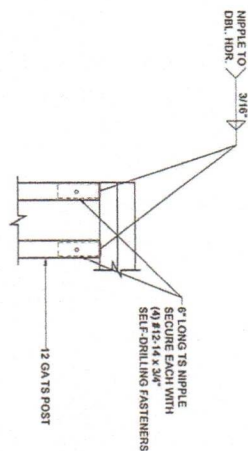
No. 80783

STATE OF FLORIDA

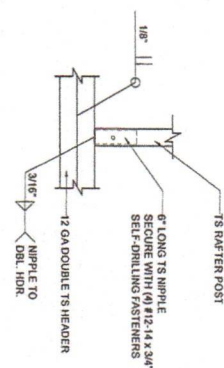




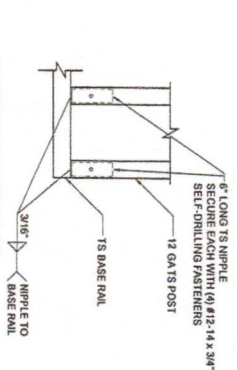
7  
END POST/RAFTER CONN. DETAIL  
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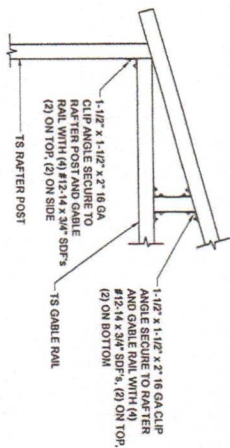
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RAFTER POST/DBL. HEADER DETAIL  
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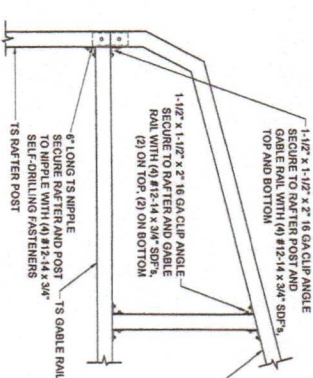
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RAFTER POST/HEADER DETAIL  
Not To Scale



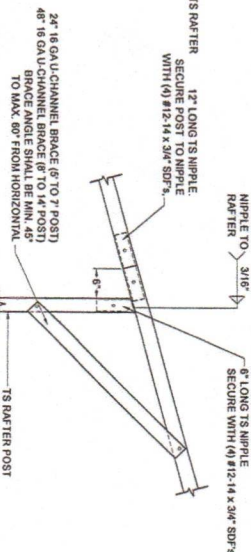
10  
RAFTER POST/BASE  
BASE RAIL CONNECTION DETAIL  
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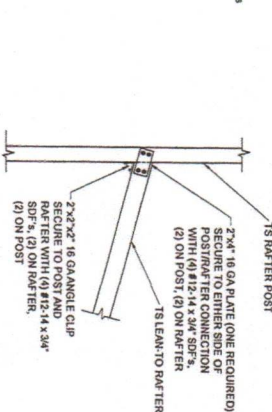
11A  
GABLE RAIL TO RAFTER POST  
CONNECTION DETAIL  
Not To Scale



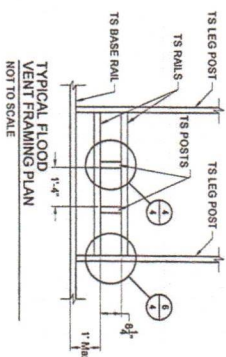
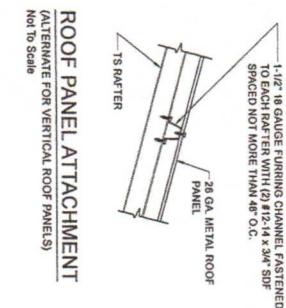
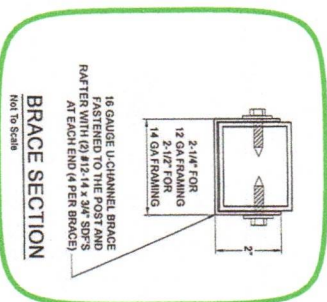
11B  
GABLE RAIL TO RAFTER POST  
CONNECTION DETAIL  
Not To Scale



12  
SIDE EXTENSION  
RAFTER/POST DETAIL  
Not To Scale



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



SEE GENERAL NOTE No. 12, SHEET 1 OF 6.

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

DESIGNED BY	DATE
CHECKED BY	2/21/2023
APPROVED BY	
PROJECT NO.	Q23001
SHEET NO.	SHEET 2 OF 6

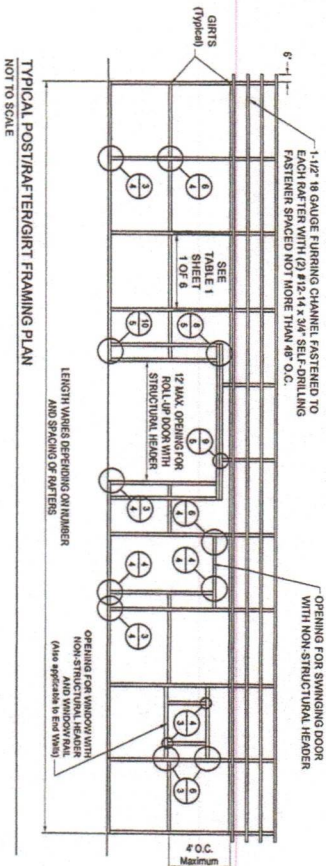
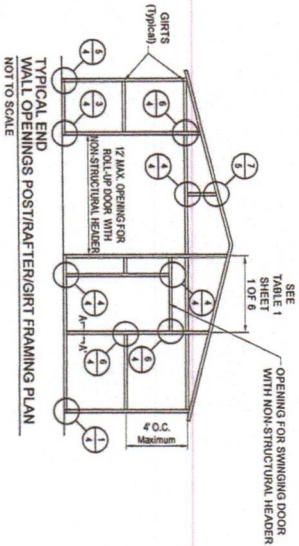
**BECHTOL ENGINEERING AND TESTING, INC.**  
200 WEST HICKORY AVENUE  
DELMAR, FLORIDA 32720

**BECHTOL ENGINEERING**  
200 WEST HICKORY AVENUE  
DELMAR, FLORIDA 32720

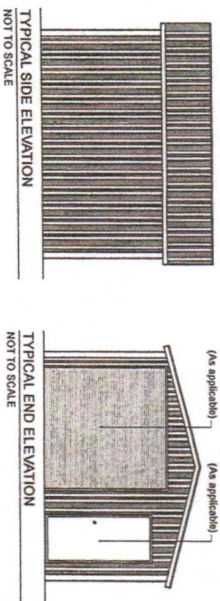
**FLORIDA PROFESSIONAL ENGINEER**  
No. 00703  
STATE OF FLORIDA



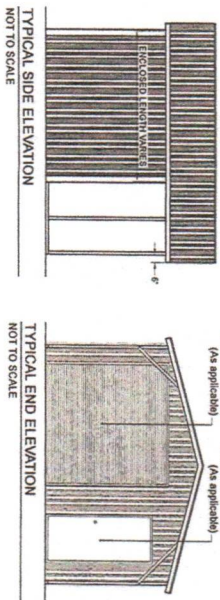
# VERTICAL SIDE OPTION



## BOX EAVE FRAME RAFTER ENCLOSED BLDG - VERTICAL SIDES

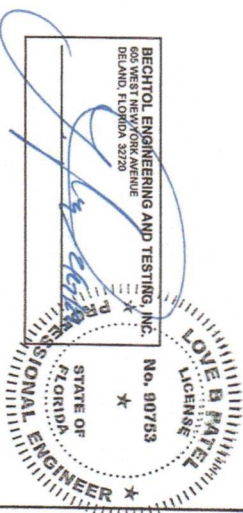


## BOX EAVE FRAME RAFTER UTILITY BLDG - VERTICAL SIDES



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

	BECHTOL ENGINEERING AND TESTING, INC.		DATE: 2/21/2023	
	OWNER: JMG	DESIGNER: NTS	DRAWN BY: JMG	SCALE: NTS
PROJECT: TB/CB		PROJECT NO: Q23001		
SHEET: TB/UP		SHEET NO: 6		



BECHTOL ENGINEERING AND TESTING, INC.  
605 WEST NEW YORK AVENUE  
DELAND, FLORIDA 32720