FBC APPROVED PRODUCTS LIST				MAXIMUM ALLOWABLE WIND SPEED			TABLE 1 RAFTER FRAME, END POST, GROUND ANCHOR AND PANEL FASTENER SPACING SPECIFICATIONS							
PRODUCT CATEGORY	SUB CATEGORY	MANUFACTURER	APPROVAL No. & DATE	QA EXPIRATION DATE	OPEN	ENCLOSED	PARTIALLY ENCLOSED				MAXIMUM	AVERAGE FASTENER SPACING ON-CENTERS ALONG RAFTERS OR PURLINS, AND POSTS OR GIRTS		
STRUCTURAL COMPONENTS	ROOF DECK	CAROLINA CARPORTS, INC. 26 Gauge AG Panel	FL6596.1-R6 12/15/20	04/05/27	180	180	180	DICK	RISK EXPOSURE CATEGORY	XPOSURE WIND SPEED	NOMINAL WIND SPEED	POST / RAFTER SPACING	(INCHES) INTERIOR END	
STRUCTURAL COMPONENTS	STRUCTURAL WALL	CAROLINA CARPORTS, INC. 26 Gauge AG Panel	FL6702.1-R6 12/15/20	03/14/27	180	180	180	CATEGORY			(MPH)		POSTS/RAFTERS	
STRUCTURAL COMPONENTS	STRUCTURAL WALL	CAROLINA CARPORTS, INC.	FL6702.3-R6	03/14/27	N/A	164	143		С	110 TO 150	89 TO 116	5.0	6	6
		26 Gauge Dutch Lap Wall Panel	12/15/20 **			1.3 1975				151 TO 180	117 TO 139	4.0	6	6
STRUCTURAL COMPONENTS	FLOOD VENT	CRAWL SPACE DOOR SYSTEMS, INC. 16x8 Flood Vent	FL29622.1-R1 02/28/21	09/30/22	N/A	N/A	N/A	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.						
EXTERIOR DOORS	SWINGING	ELIXIR DOOR AND METAL COMPANY Series 402-14	FL17996.3-R2 02/28/21	08/26/25	N/A	139	139	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.						
	OMENIA DE LA CONTRACTOR		FL17996.5-R2	08/19/25	N/A	174	155	GR	GROUND ANCHOR SCHEDULE					
EXTERIOR DOORS	SWINGING	ELIXIR DOOR AND METAL COMPANY Series 407	02/28/21	08/19/25	IN/A	1/4	155	ULTIMATE WIND SPEED (mph) METAL CARPORT INSTALLATION PLANS AND DETAILS AND FRAMING AND METAL CARPORT INSTALLATION PLANS						
EXTERIOR DOORS	ROLL-UP	ASTA INDUSTRIES INC. Model 203 (12' Max. Width)	FL8888.1-R6 02/09/21	12/31/24	N/A	180	174	12		150 160 170	180		R SPECIFICATIO	
EXTERIOR DOORS	ROLL-UP	CAROLINA CARPORTS, INC. Steel Roll Up Sheet Door (8' Max. Width)	FL16806.2-R5 12/16/20	04/05/27	N/A	180	180	16 De	Anchor etail 1D	FOR CONSTRUCTION IN THE STATE OF FLORIDA				
EXTERIOR DOORS	ROLL-UP	CAROLINA CARPORTS, INC. Steel Roll-Up Sheet Door - (10' Max. Width)	FL16806.4-R5 12/16/20	04/05/27	N/A	180	172	HLQW 20 [48" Anchor		PREPARED FOR: CAROLINA CARPORTS, INC. P.O. BOX 1263		
EXTERIOR DOORS	ROLL-UP	CAROLINA CARPORTS, INC. Steel Roll-Up Sheet Door - (12' Max. Width)	FL16806.4-R5 12/16/20	04/05/27	N/A	179	154	9 22 24 24 24		Detail 1C			ORTH CAROLINA 27 REPARED BY:	017
EXTERIOR DOORS	ROLL-UP	CAROLINA CARPORTS, INC. Steel Roll-Up Sheet Door - (16' Max. Width)	FL4133.5 06/07/22	04/05/27	N/A	163	142	26 28	BECHTOL ENGINEERING AND TESTING, INC. 60° Anchor 60° WEST NEW YORK AVENUE					
WINDOWS	SINGLE HUNG	CGI WINDOWS AND DOORS Model SH 4000A	FL23358.2 12/16/20	02/28/33	N/A	174	156	30 Detail 1C Detail 1C DELAND, FLORIDA 32720 Certificate of Authorization No. 00005492						

MAXIMUM ALLOWABLE

A. PRODUCT SHALL HAVE A VALID FBC PRODUCT APPROVAL. B. COMPONENTS ARE INSTALLED ACCORDING TO MANUFACTURER'S INSTALLATION REQUIREMENTS

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 ACCOMODATE

SUBSTITUTED PRODUCT. * MAXIMUM POST SPACING FOR DUTCH LAP IS 4.0

GENERAL NOTES:

- 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 CAROLINA CARPORTS, INC., WHICH EXERT 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.

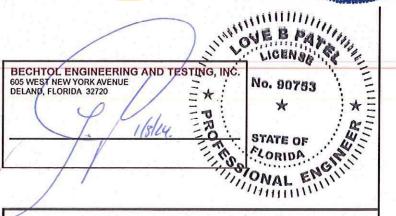
1. DOORS AND WINDOWS SHOWN MAY BE SUBSTITUTED FOR DIFFERENT PRODUCT LINES AND/OR MODELS, PROVIDED THE FOLLOWING CONDITIONS ARE MET:

- 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.
- 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 WEI DED WIRE FABRIC COMPLYING WITH ASTM A 185, OR WITH SYNTHETIC FIBER REINFORCEMENT COMPLYING WITH ASTM C1116.
- 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 GROUND ANCHOR SIZE REQUIREMENTS.
- CONCRETE ANCHORS SHALL BE TAPCON REDHEAD LDT 1/2" x 5" OR EQUIVALENT OR WEJ-IT ANKR-TITE MODEL AT1252, OR SLEEVE ANCHOR MODEL HSA 1260, OR EQUIVALENT.
- POST/RAFTER BRACING: BRACE ON EVERY POST/RAFTER CONNECTION, EXCEPT FOR END WALLS.
- SLAB FOUNDATION SUBGRADE SOILS SHALL BE TERMITE TREATED AND COVERED WITH 6 MIL VAPOR RETARDER PER SECTION R318.1 OF THE FBC EIGHTH EDITION (2023) RESIDENTIAL, AND SECTION 1816.1 OF THE FBC EIGHTH EDITION (2023) - 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 GA FRAMING: 2-1/4" x 2-1/4" TS WITH 2" x 2" TS NIPPLES.
- 12. 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 5 OF 6.

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, EIGHTH EDITION (2023).

TABLE 1

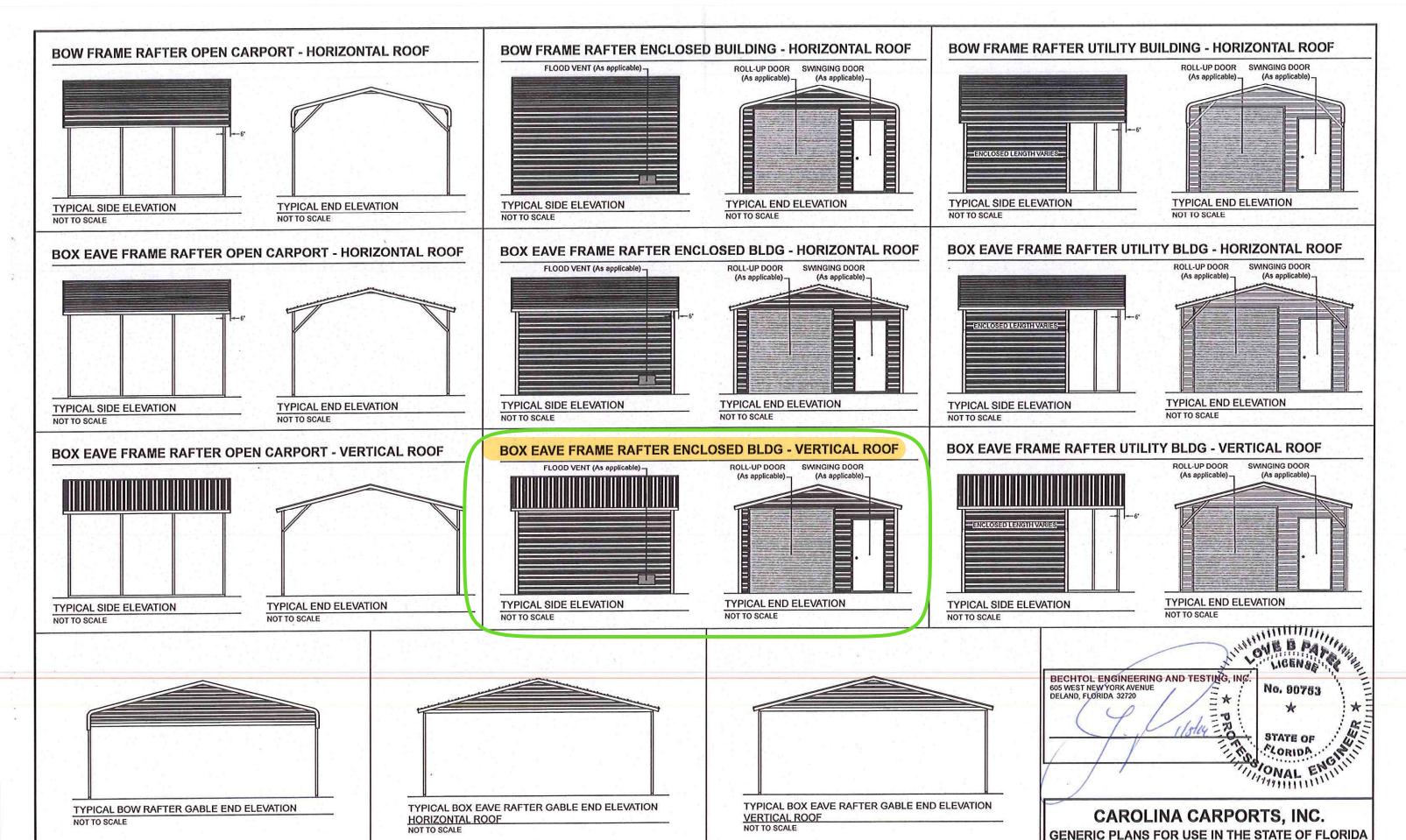




CAROLINA CARPORTS, INC. GENERIC PLANS FOR USE IN THE STATE OF FLORIDA



FELD	DATE 1/1/2024
MKB/CS	SCALE NTS
TB/CS	FROJ 10 G24001
TB/LP	SHEET 1 OF 6

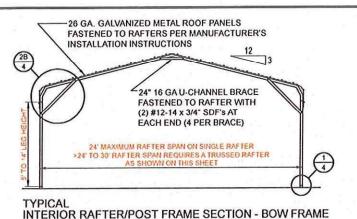


BECHTOL ENGINEERING AND TESTING, Inc.

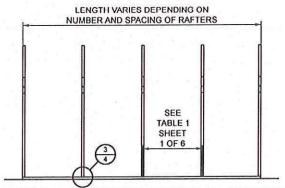
SCAL EMPROPMENTAL AND MATERIALS TESTING DIGINALERS

CONCESS

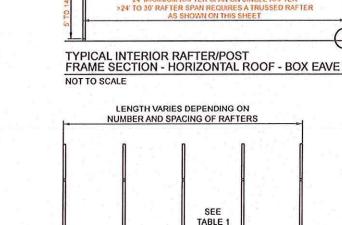
THE CONTENT OF THE CONTENT



INTERIOR RAFTER/POST FRAME SECTION - BOW FRAME



TYPICAL RAFTER/POST FRAMING PLAN - BOW FRAME NOT TO SCALE



TYPICAL RAFTER/POST FRAMING PLAN - BOX EAVE NOT TO SCALE

SEE

TABLE 1

SHEET

1 OF 6

-26 GA. GALVANIZED METAL ROOF PANELS

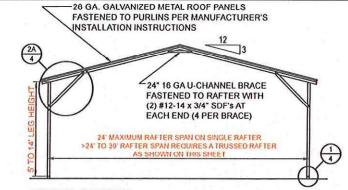
NSTALLATION INSTRUCTIONS

FASTENED TO RAFTERS PER MANUFACTURER'S

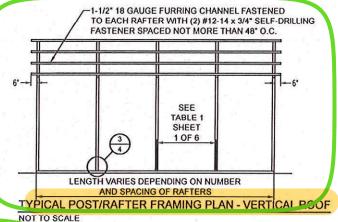
24" 16 GA U-CHANNEL BRACE FASTENED TO RAFTER WITH (2) #12-14 x 3/4" SDF's AT

EACH END (4 PER BRACE)

24' MAXIMUM RAFTER SPAN ON SINGLE RAFTER

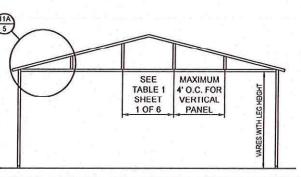


TYPICAL INTERIOR RAFTER/POST FRAME SECTION - VERTICAL ROOF

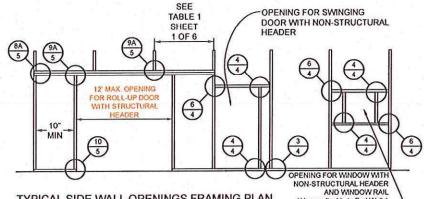


SEE TABLE 1 SHEET 1 OF 6

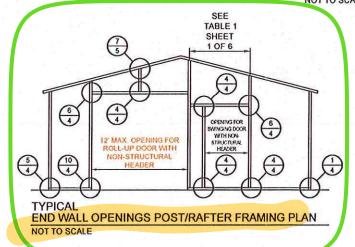
TYPICAL BOW RAFTER GABLE END FRAMING PLAN NOT TO SCALE

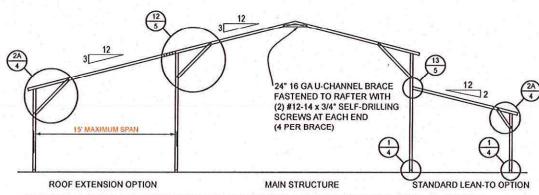


TYPICAL BOX EAVE RAFTER GABLE END FRAMING PLAN



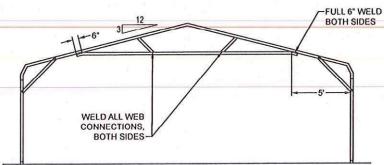
TYPICAL SIDE WALL OPENINGS FRAMING PLAN NOT TO SCALE



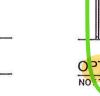


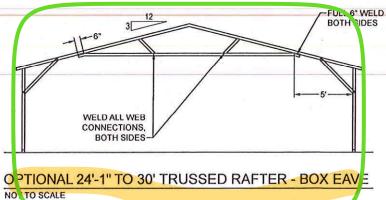
TYPICAL LEAN-TO OPTIONS FRAMING PLAN (BOTH OPTIONS SHOWN) NOT TO SCALE

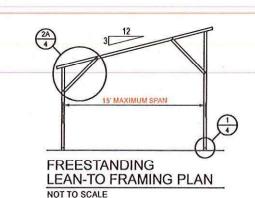
(BOX EAVE RAFTER SHOWN, ONLY STANDARD LEAN-TO IS APPLICABLE TO BOW FRAME RAFTER)

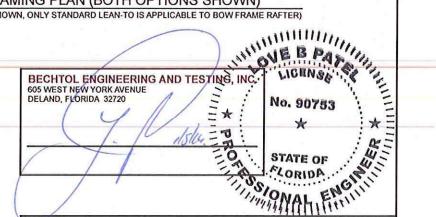


OPTIONAL 24'-1" TO 30' TRUSSED RAFTER - BOW NOT TO SCALE



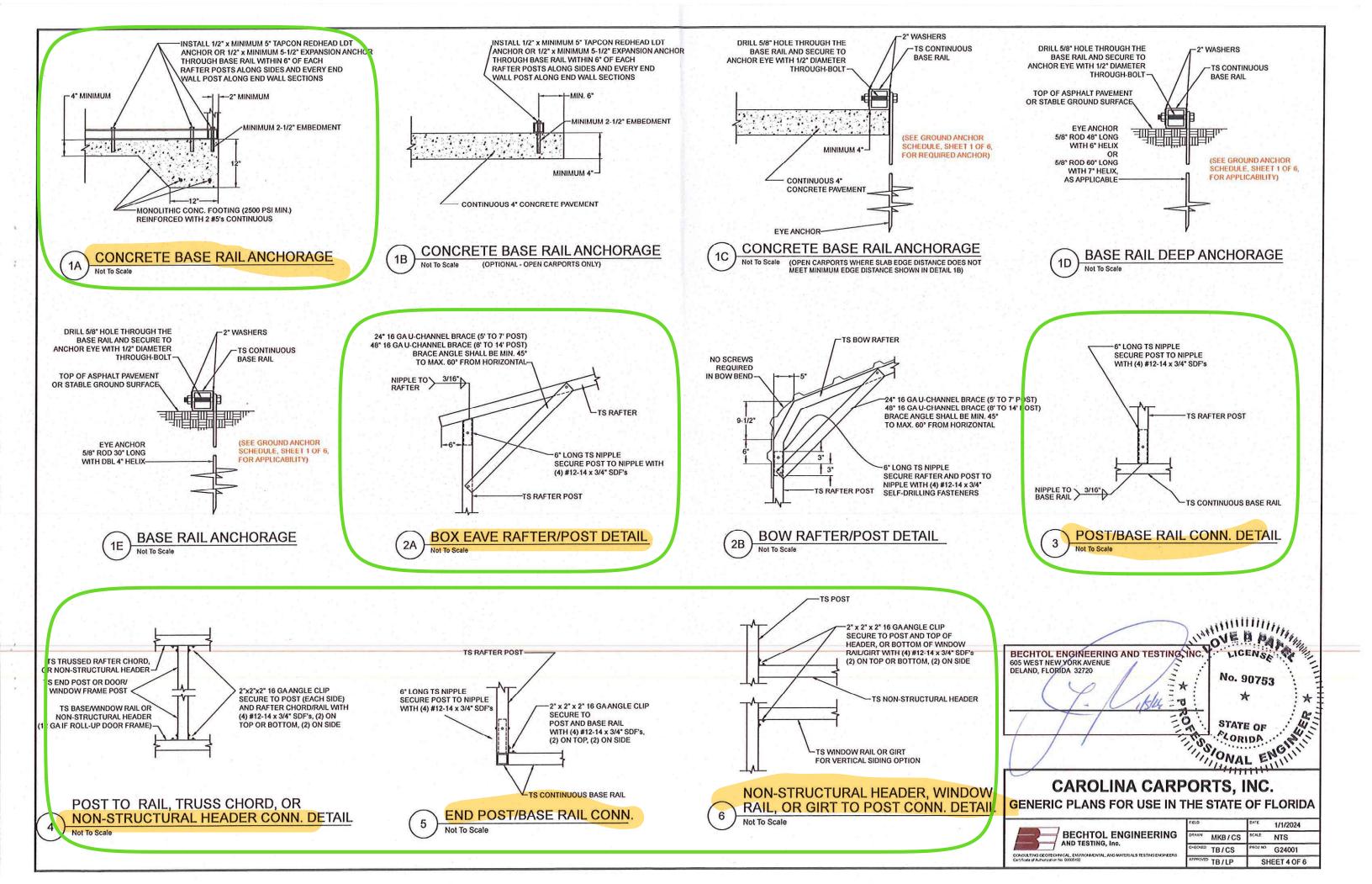


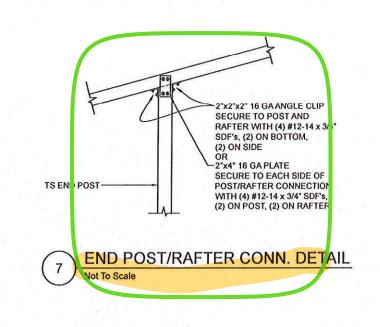


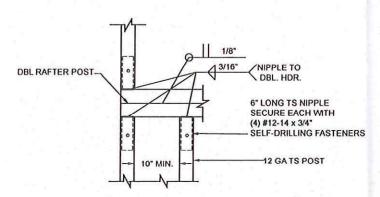


CAROLINA CARPORTS, INC. GENERIC PLANS FOR USE IN THE STATE OF FLORIDA

	FELD	CATE 1/1/2024
BECHTOL ENGINEERING	DRIAN MKB/	CS SCALE NTS
AND TESTING, Inc.	CHECKED TB/CS	FROJ NO. G24001
Cesticate of Amorgano No. 00005492	APPROVED TB/LP	SHEET 3 OF 6

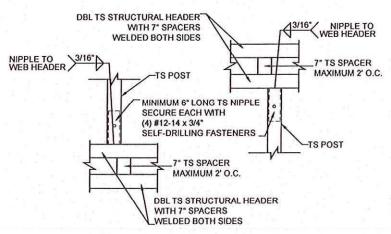




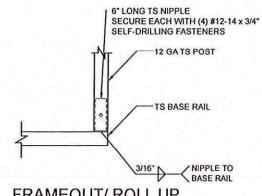


RAFTER POST/DBL. HEADER DETAIL

Not To Scale

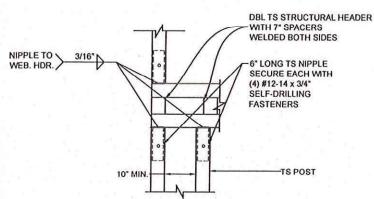


STRUCTURAL HEADER TO
POST CONNECTION DETAIL
Not To Scale



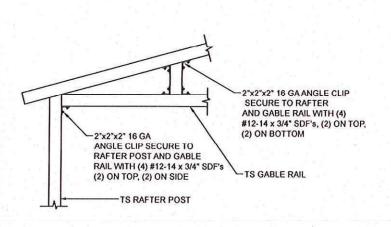
FRAMEOUT/ ROLL UP
POST / BASE RAIL CONN. DETAIL

Not To Scale

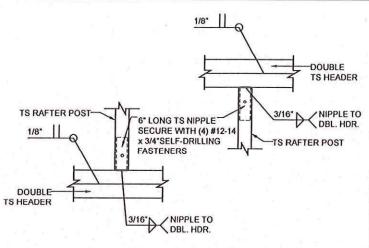


RAFTER POST/WEB HEADER DETAIL

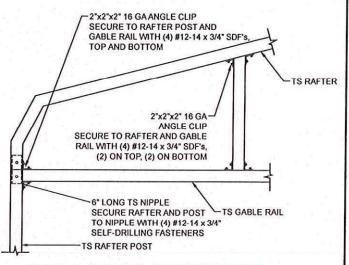
Not To Scale



GABLE RAIL TO RAFTER POST
CONNECTION DETAIL
Not To Scale

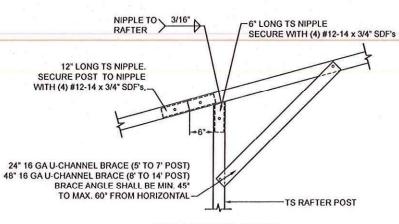


9A RAFTER POST/HEADER DETAIL
Not To Scale

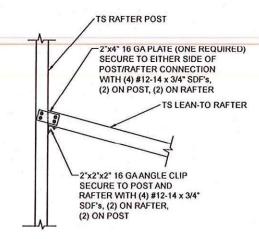


GABLE RAIL TO RAFTER POST
CONNECTION DETAIL

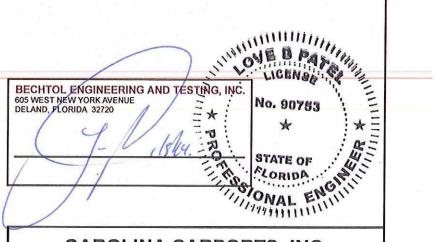
Not To Scale



SIDE EXTENSION
RAFTER/POST DETAIL
Not To Scale



3) POST / LEAN-TO RAFTER CONN. DETAIL



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

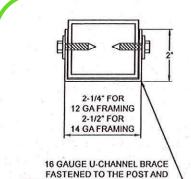


 FELD
 CHE
 1/1/2024

 DEAM
 MKB/CS
 SCALE
 NTS

 CHECKED
 TB/CS
 PROJ NO
 G24001

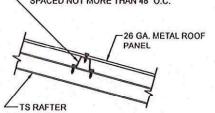
 APPROVED
 TB/LP
 SHEET 5 OF 6



RAFTER WITH (2) #12-14 x 3/4" SDF'S AT EACH END (4 PER BRACE) -

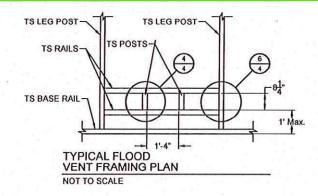
BRACE SECTION

1-1/2" 18 GAUGE FURRING CHANNEL FASTENED TO EACH RAFTER WITH (2) #12-14 x 3/4" SDF SPACED NOT MORE THAN 48" O.C.

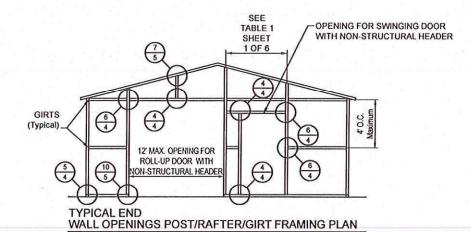


ROOF PANEL ATTACHMENT

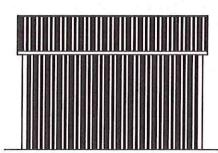
(ALTERNATE FOR VERTICAL ROOF PANELS)
Not To Scale



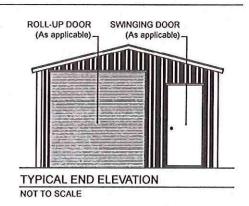
SEE GENERAL NOTE No. 12, SHEET 1 OF 6.



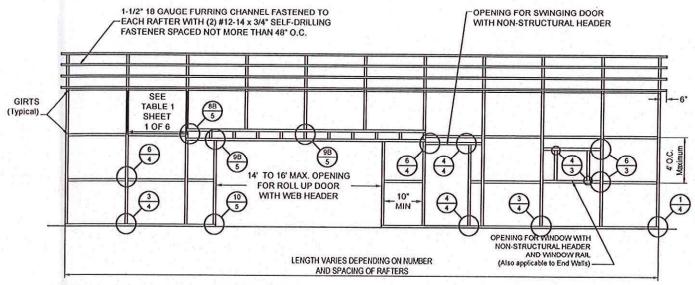
BOX EAVE FRAME RAFTER ENCLOSED BLDG - VERTICAL SIDES



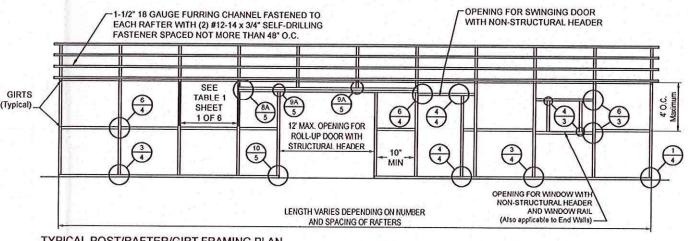
TYPICAL SIDE ELEVATION NOT TO SCALE



VERTICAL SIDE OPTION

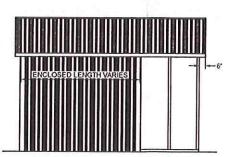


TYPICAL POST/RAFTER/GIRT FRAMING PLAN

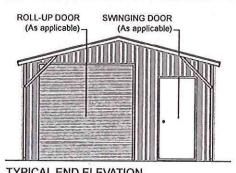


TYPICAL POST/RAFTER/GIRT FRAMING PLAN

BOX EAVE FRAME RAFTER UTILITY BLDG - VERTICAL SIDES



TYPICAL SIDE ELEVATION
NOT TO SCALE



TYPICAL END ELEVATION



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

