FBC APPROVED PRODUCTS LIST				MAXIMUM ALLOWABLE WIND SPEED				
PRODUCT CATEGORY	SUB CATEGORY	MANUFACTURER	APPROVAL No. & DATE	QA EXPIRATION DATE	OPEN	ENCLOSED	PARTIALLY ENCLOSED	
STRUCTURAL COMPONENTS	ROOF DECK	CAROLINA CARPORTS, INC 26 Gauge AG Panel	FL6596.1-R7 12/12/23	04/05/27	180	180	180	l
STRUCTURAL COMPONENTS	STRUCTURAL WALL	CAROLINA CARPORTS, INC. 26 Gauge AG Panel	FL6702.1-R7 12/12/23	03/14/27	180	180	180	9
STRUCTURAL COMPONENTS	STRUCTURAL WALL	CAROLINA CARPORTS, INC. 26 Gauge Dutch Lap Wall Panel	FL6702.3-R7 12/12/23 **	03/14/27	N/A	164	143	
STRUCTURAL COMPONENTS	STRUCTURAL WALL	CRAWL SPACE DOOR SYSTEMS, INC. 16x8 Flood Vent	FL29622.1-R2 07/24/24	09/30/25	N/A	N/A	N/A	N
EXTERIOR DOORS	SWINGING	ELIXIR DOOR AND METAL COMPANY Series 402-14	FL17996.3-R3 12/26/23	08/26/25	N/A	139	139	L
EXTERIOR DOORS	SWINGING	ELIXIR DOOR AND METAL COMPANY Series 407	FL17996 5-R3 12/26/23	08/19/25	N/A	174	155	
EXTERIOR DOORS	ROLL-UP	CAROLINA CARPORTS, INC. Steel Roll Up Sheet Door (8' Max. Width)	FL16806 2-R6 12/13/23	04/05/27	N/A	180	180	
EXTERIOR DOORS	ROLL-UP	CAROLINA CARPORTS, INC. Steel Roll-Up Sheet Door - (10' Max. Width)	FL16806.4-R6 12/13/23	04/05/27	N/A	180	172	(jeet)
EXTERIOR DOORS	ROLL-UP	CAROLINA CARPORTS, INC Steel Roll-Up Sheet Door - (12' Max. Width)	FL16806.1-R6 12/13/23	04/05/27	N/A	179	154	MDTH (
EXTERIOR DOORS	ROLL-UP	CAROLINA CARPORTS, INC Steel Roll-Up Sheet Door - (16' Max. Width)	FL41335 1-R1 12/13/23	04/05/27	N/A	163	142	BUILDING WIDTH (feet)
WINDOWS	SINGLE HUNG	CGI WINDOWS AND DOORS Model SH 4000A	FL23358.2-R8 04/16/24	12/31/32	N/A	174	156	BCIL

TABLE 1

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

		WIND EXPOSURE CATEGORY	ULTIMATE WIND SPEED (MPH)	NOMINAL WIND SPEED (MPH)	MAXIMUM POST / RAFTER	AVERAGE FASTENER SPACING ON-CENTERS ALONG RAFTERS OR PURLINS, AND POSTS OR GIRTS (INCHES)		
	RISK CATEGORY				SPACING	INTERIOR POSTS/RAFTERS	END POSTS/RAFTERS	
	1	B on C	110 TO 150	89 TO 116	5.0	6	6	
	'	B or C	151 TO 170	117 TO 132	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.

GROUND ANCHOR SCHEDULE ULTIMATE WIND SPEED (mph) 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

> Plans Reviewed

for Code

Compliance

110 120 130 140 150 160 170 180 12 30" Anchor Delail 1E 16 18 20 48" Anchor Detail 1D 22 26 28

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

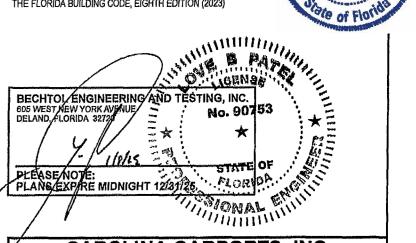
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- 1 DOORS AND WINDOWS SHOWN MAY BE SUBSTITUTED FOR DIFFERENT PRODUCT LINES AND/OR MODELS PROVIDED THE FOLLOWING CONDITIONS ARE MET A PRODUCT SHALL HAVE A VALID FBC PRODUCT APPROVAL
- B COMPONENTS ARE INSTALLED ACCORDING TO MANUFACTURER'S INSTALLATION REQUIREMENTS C. MEETS AND OR EXCEEDS THE MINIMUM DESIGN CRITERIA OF THE ABOVE APPROVED PRODUCT LIST
- 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:

- 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 UTILITY/STORAGE BUILDINGS (RISK CATEGORY) ONLY) 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 FEC 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
- ALL STEEL TUBING SHALL BE 50 KSI GALVANIZED STEEL ALL FASTENERS SHALL BE GALVANIZED OR STAINLESS STEEL OR ZINC PLATED.
- 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
- 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 WELDED 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
- 8. CONCRETE ANCHORS SHALL BE TAPCON REDHEAD LDT 1/2" x 5" OR EQUIVALENT.
- POST/RAFTER BRACING: BRACE ON EVERY POST/RAFTER CONNECTION, EXCEPT FOR END WALLS.
- 10. SLAB FOUNDATION SUBGRADE SOILS SHALL BE TERMITE TREATED AND COVERED WITH 6 MIL VAPOR RETARDER PER SECTION R318 1 OF THE FLORIDA BUILDING CODE EIGHTH EDITION (2023) RESIDENTIAL, AND SECTION 1816.1 OF THE FLORIDA BUILDING CODE EIGHTH EDITION (2023) BUILDING SOIL LOAD BEARING PRESSURE OF 2000PSF 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. FOR CONTINUOUS REINFORCING, MINIMUM BAR OVERLAP SHALL BE 40 BARS DIAMETERS (25" FOR #5 REBAR)
- 13 TORNADO VELOCITY COMPLIANCE IS NOT REQUIRED FOR RISK I OR RISK I OR RISK I STRUCTURES PER SECTION R301.2.1 1 OF THE FLORIDA BUILDING CODE EIGHTH EDITION (2023)- RESIDENTIAL AND SECTION 1603.1.4 OF THE FLORIDA BUILDING CODE EIGHTH EDITION (2023) - BUILDING, AND ASCE 7-22.
- 14. 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 6 OF 6.

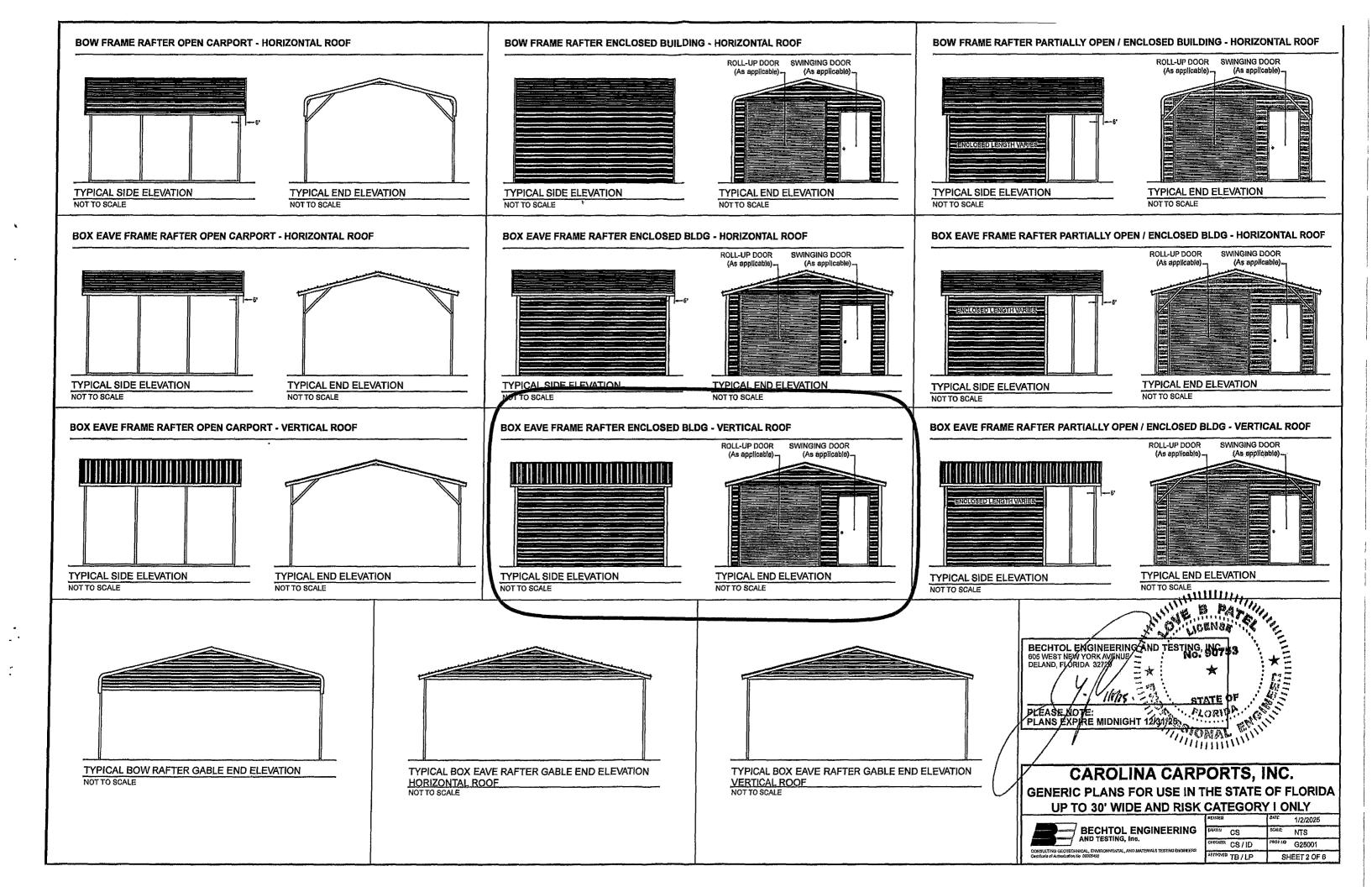
THIS IS TO CERTIFY THAT THE CALCULATIONS AND SPECIFICATIONS HEREIN HAVE BEEN PREPARED BY THE UNDERSIGNED PROFESSIONAL ENGINEER, AND ARE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 1609 OF THE FLORIDA BUILDING CODE, EIGHTH EDITION (2023)

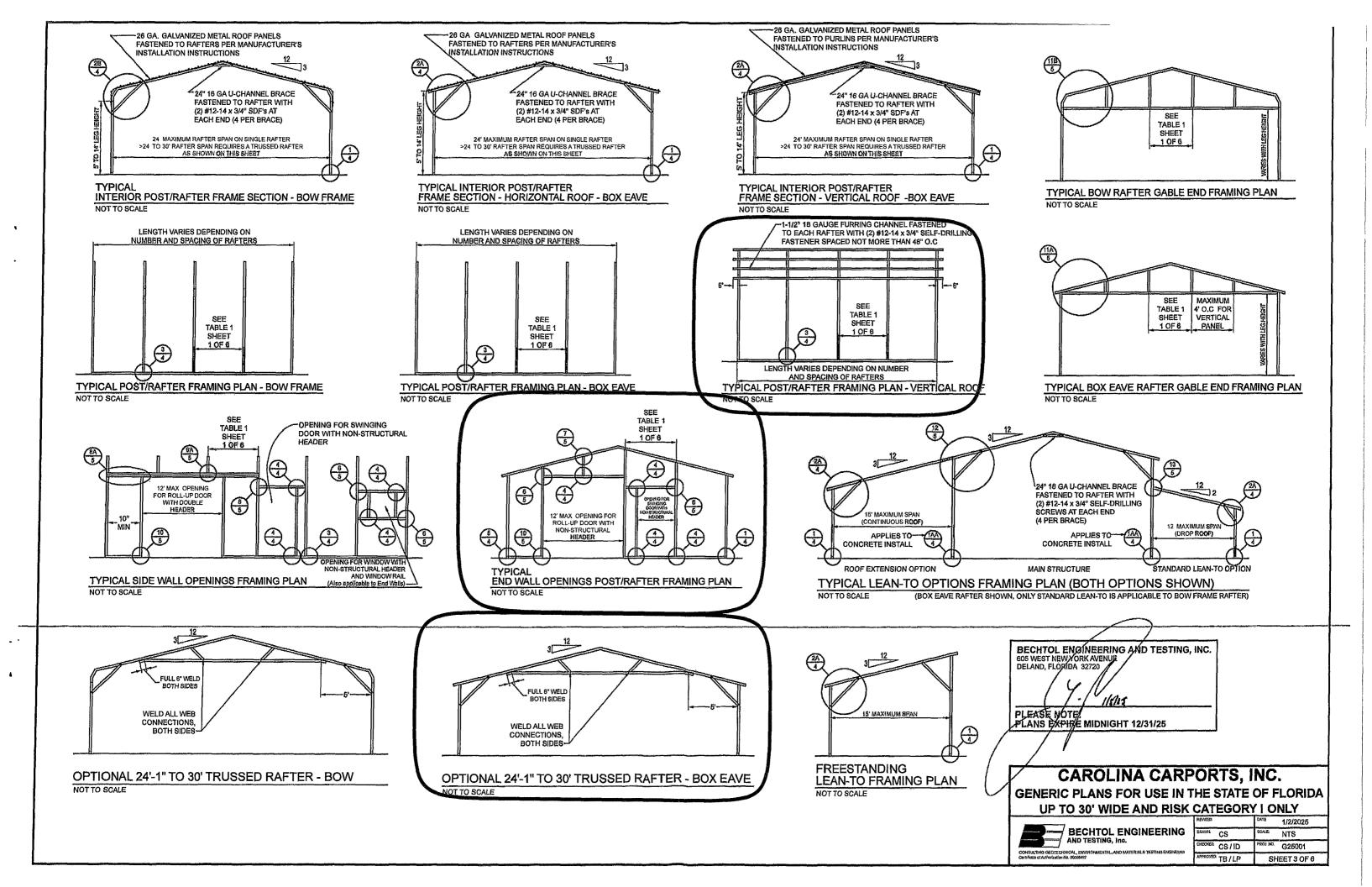


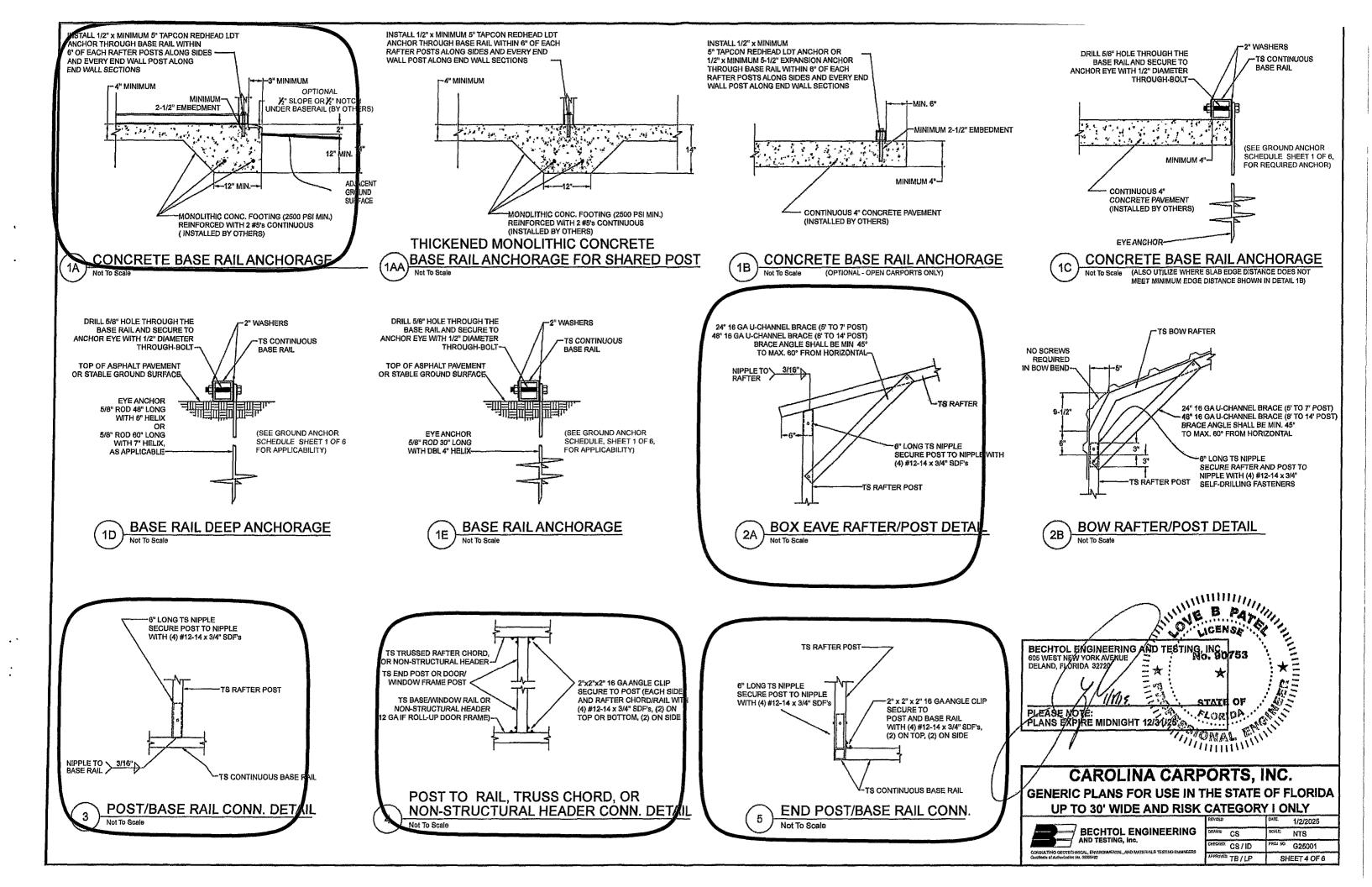
CAROLINA CARPORTS, INC.

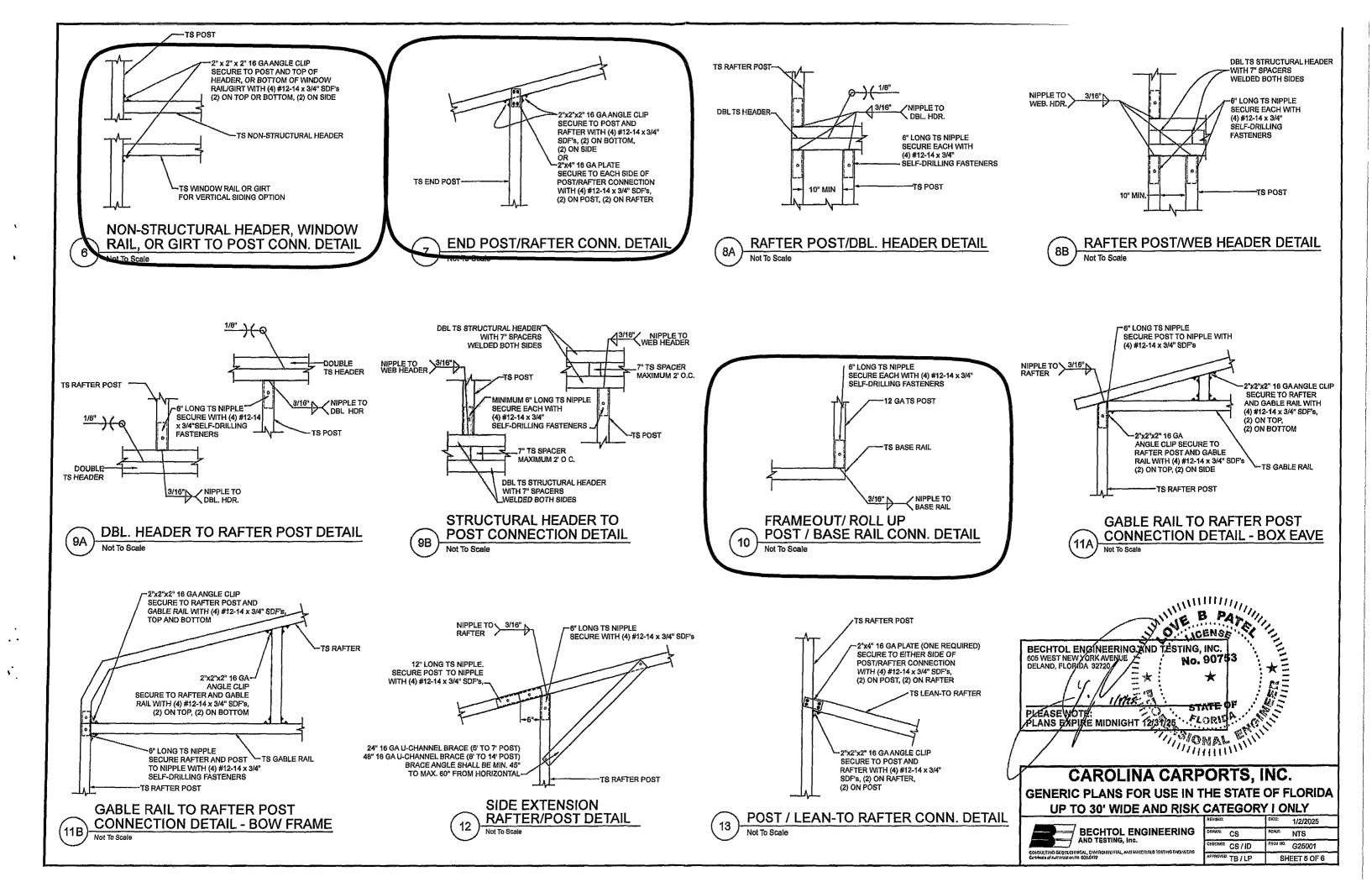
GENERIC PLANS FOR USE IN THE STATE OF FLORIDA **UP TO 30' WIDE AND RISK CATEGORY I ONLY**

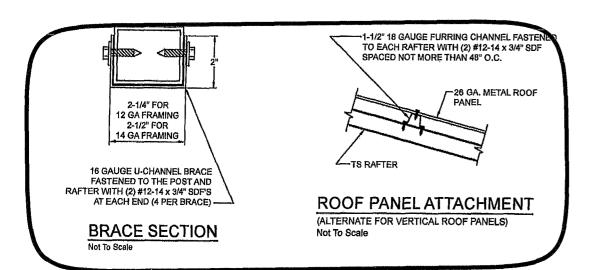
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CONSULTING GEOTECHNICAL, ENVIRONMENTAL, AND MATERIALS TESTING ENGINEERS	CHECKED CS/ID	^{РЯОЈ НО.} G25001
Constitution decoration No. 00005492	APPROVED. TB / LP	SHEET 1 OF 6

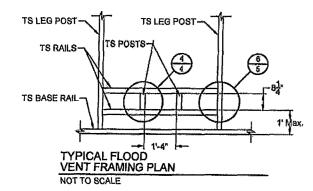




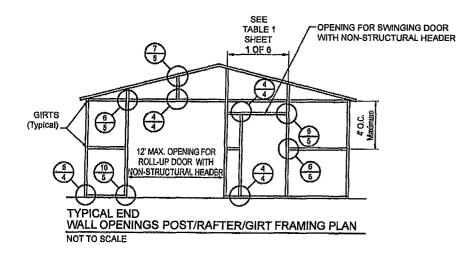




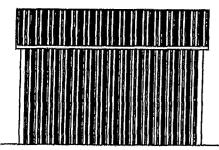




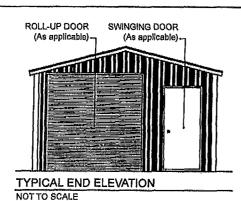
SEE GENERAL NOTE No 14, SHEET 1 OF 6.



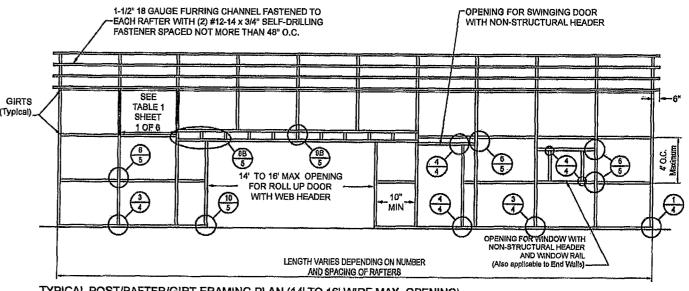
BOX EAVE FRAME RAFTER ENCLOSED BLDG - VERTICAL SIDES



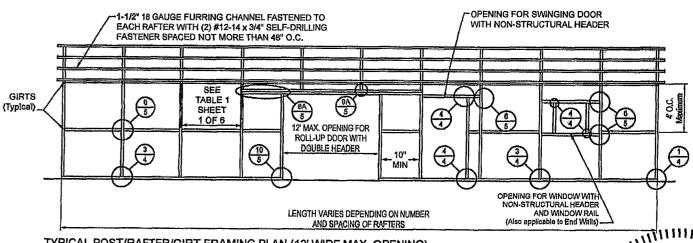
TYPICAL SIDE ELEVATION
NOT TO SCALE



VERTICAL SIDE OPTION

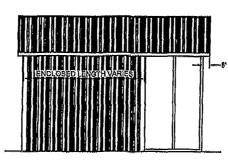


TYPICAL POST/RAFTER/GIRT FRAMING PLAN (14' TO 16' WIDE MAX. OPENING)
NOTTO SCALE

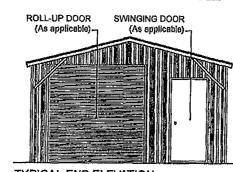


TYPICAL POST/RAFTER/GIRT FRAMING PLAN (12' WIDE MAX. OPENING)
NOT TO SCALE

BOX EAVE FRAME RAFTER PARTIALLY OPEN / ENCLOSED BLDG - VERTICAL SIDES



TYPICAL SIDE ELEVATION
NOT TO SCALE



TYPICAL END ELEVATION
NOT TO SCALE

BECHTOL ENGINEERING AND TESTING, WG7 53
805 WEST NEW YORK AVENUE
DELAND, FLORIDA 32730

STATE OF
PLEASE NOTE:
PLANS EXPIRE MIDNIGHT 12/31/26

CAROLINA CARPORTS, INC. ENERIC PLANS FOR USE IN THE STATE OF FLORID

GENERIC PLANS FOR USE IN THE STATE OF FLORIDA UP TO 30' WIDE AND RISK CATEGORY I ONLY



-	streep	BAYE 1/2/2025				
NG	DRAWN CS	SCALE: NTS				
KEn3	DATO ES / ID	PROJ 110 G25001				
	APPROVED: TB/LP	SHEET 6 OF 6				