NOTES: 1. DOORS AND WINDOWS SHOWN	WINDOWS	EXTERIOR DOORS	EXTERIOR DOORS	EXTERIOR DOORS	EXTERIOR DOORS	EXTERIOR DOORS	EXTERIOR DOORS		EXTERIOR DOORS	STRUCTURAL COMPONENTS		STRUCTURAL COMPONENTS	STRUCTURAL COMPONENTS	STRUCTURAL COMPONENTS	PRODUCT CATEGORY	
SHOWN MAY BE SUBSTITUTED FOR DIFF	SINGLE HUNG	ROLL-UP	ROLL-UP	ROLL-UP	ROLL-UP	ROLL-UP	SWINGING		SWINGING	FLOOD VENT		STRUCTURAL WALL	STRUCTURAL WALL	ROOF DECK	SUB CATEGORY	FBC APP
NOTES: 1. DOORS AND WINDOWS SHOWN MAY BE SUBSTITUTED FOR DIFFERENT PRODUCT LINES AND/OR MODELS, PROVIDED THE FOLLOWING CONDITIONS ARE MET	PGT INUSTRIES Model SH7700	CAROLINA CARPORTS, INC. Steel Roll-Up Sheet Door - (10' Max. Width)	CAROLINA CARPORTS, INC. Steel Roll-Up Sheet Door - (16' Max. Width)	CAROLINA CARPORTS, INC. Steel Roll-Up Sheet Door - (6' Max. Width)	CAROLINA CARPORTS, INC. Steel Roll Up Sheet Door (12' Max. Width)	ASTA INDUSTRIES INC. Model 203 (12' Max. Widih)	Series 407	Odildo 402-14	ELIXIR DOOR AND METAL COMPANY	CRAWL SPACE DOOR SYSTEMS, INC. 16x8 Flood Vent	26 Gauge Dutch Lap Wall Panel	CAROLINA CARPORTS, INC.	CAROLINA CARPORTS, INC. 26 Gauge AG Panel	CAROLINA CARPORTS, INC. 26 Gauge AG Panel	MANUFACTURER	FBC APPROVED PRODUCTS LIST
THE FOLLOWING CON	FL239.4-R28 11/11/20	FL16806.4-R5 12/16/20	FL16806.3-R5 12/16/20	FL16806.2-R5 12/16/20	FL16806.1-R5 12/16/20	02/09/21	02/28/21		FL17996.3-R2 02/28/21	FL29622.1-R1 02/28/21	12/15/20 **	FL6702.3-R6	FL6702.1-R6 12/15/20	FL6596.1-R6 12/15/20	APPROVAL No. & DATE	
DITIONS ARE MET:	10/17/23	04/05/27	04/05/27	04/05/27	04/05/27	12/31/23	08/19/25		08/26/25	09/30/22		03/14/27	03/14/27	04/05/27	QA EXPIRATION DATE	
	NIA	N/A	NIA	N/A	N/A	N/A	NA		N/A	NIA		NIA	180	180	OPEN	3
	180	180	155	180	179	180	1/4		139	NIA		164	180	180	ENCLOSED	MAXIMUM ALLOWABLE WIND SPEED
	178	172	133	180	154	174	155		139	NIA		143	180	180	PARTIALLY ENCLOSED	ED ED
	30	28 26	DING V	WIDTH 22 83	16	12	110	GF	2. Sp	NOTES: 1. Sp	-	_	CATEGORY	Biek		RAFT
	C AND OF CINE				30" Anchor Detail 1D		120 130 140	GROUND ANCHOR SCHEDULE	ecifications applications for othe	Specifications applicable to 26 gauge hat channel roof purlins	(,	CATEGORY	WIND		ER FRAME, ENI
TO CHARLES TO	30 Detail	60*	Detail 1C	48" Anchor		The state of the s	20 130 140 150 160 170	SCHEDULE	Specifications applicable only for mean roof height of 20 fee requirements for other roof heights and/or slopes may vary.	ole to 26 gauge met of purlins.	151 TO 180	110 TO 150	(MPH)	ULTIMATE		RAFTER FRAME, END POST, GROUND
•	Detail 1C	Auchor					180		of height of 20 feet r slopes may vary.	al roof and wall pa	117 TO 139	89 TO 116	(MPH)	NOMINAL		
	CAROLII PR CAROLII P. DOBSON, NI DOBSON OF PR BECHTOL ENGIN 605 WEST DELAN Certificate of A			FOR CONSTRUCTION IN THE STATE OF FLORIDA	FASTENE	METAL CARPOR	METAL CARPORT INSTALLATION PLANS	t or less, and roof slop	 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. 	4.0	5.0	(FEET)	POST / RAFTER		TABLE 1 ANCHOR AND PANEL FASTENER SPACING SPECIFICATIONS	
	DELAND, FLORIDA 32720 Certificate of Authorization No. 00005492	BECHTOL ENGINEERING AND TESTING, INC. 605 WEST NEW YORK AVENUE	DOBSON, NORTH CAROLINA 27017	PREPARED FOR: CAROLINA CARPORTS, INC. P.O. BOX 1263	ON IN THE STATE O	FASTENER SPECIFICATIONS	TAL CARPORT INSTALLATION PLA		es of 7° to 27° (1.5:12 t	o 12 or 14 gauge steel	6	6	POSTS/RAFTERS	(IN	AVERAGE FAS ON-CENTERS AI PURLINS, AND	ER SPACING SPE
	05492	ING, INC. JE	7017	;*)F FLORIDA	SNC	ON PLANS		 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. 	tube framing, or 18	6	6	POSTS/RAFTERS POSTS/RAFTERS	(INCHES)	AVERAGE FASTENER SPACING ON-CENTERS ALONG RAFTERS OR PURLINS, AND POSTS OR GIRTS	ECIFICATIONS

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 ACCOMPDIATE SUBSTITUTED DEPORTED.

A. PRODUCT SHALL HAVE A VALID FBC PRODUCT APPROVAL.

B. COMPONENTS ARE INSTALLED ACCORDING TO MANUFACTURER'S INSTALLATION REQURIEMENTS.

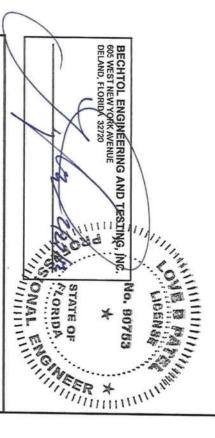
GENERAL NOTES:

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.

" MAXIMUM POST SPACING FOR DUTCH LAP IS 4.0"

- 2 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 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 TAPCON REDHEAD LDT 1/2" x 5" OR EQUIVALENT OR WEJ-IT ANKR-TITE MODEL AT1252, OR SLEEVE ANCHOR MODEL HSA 1260, OR EQUIVALENT
- 9. 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 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 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.

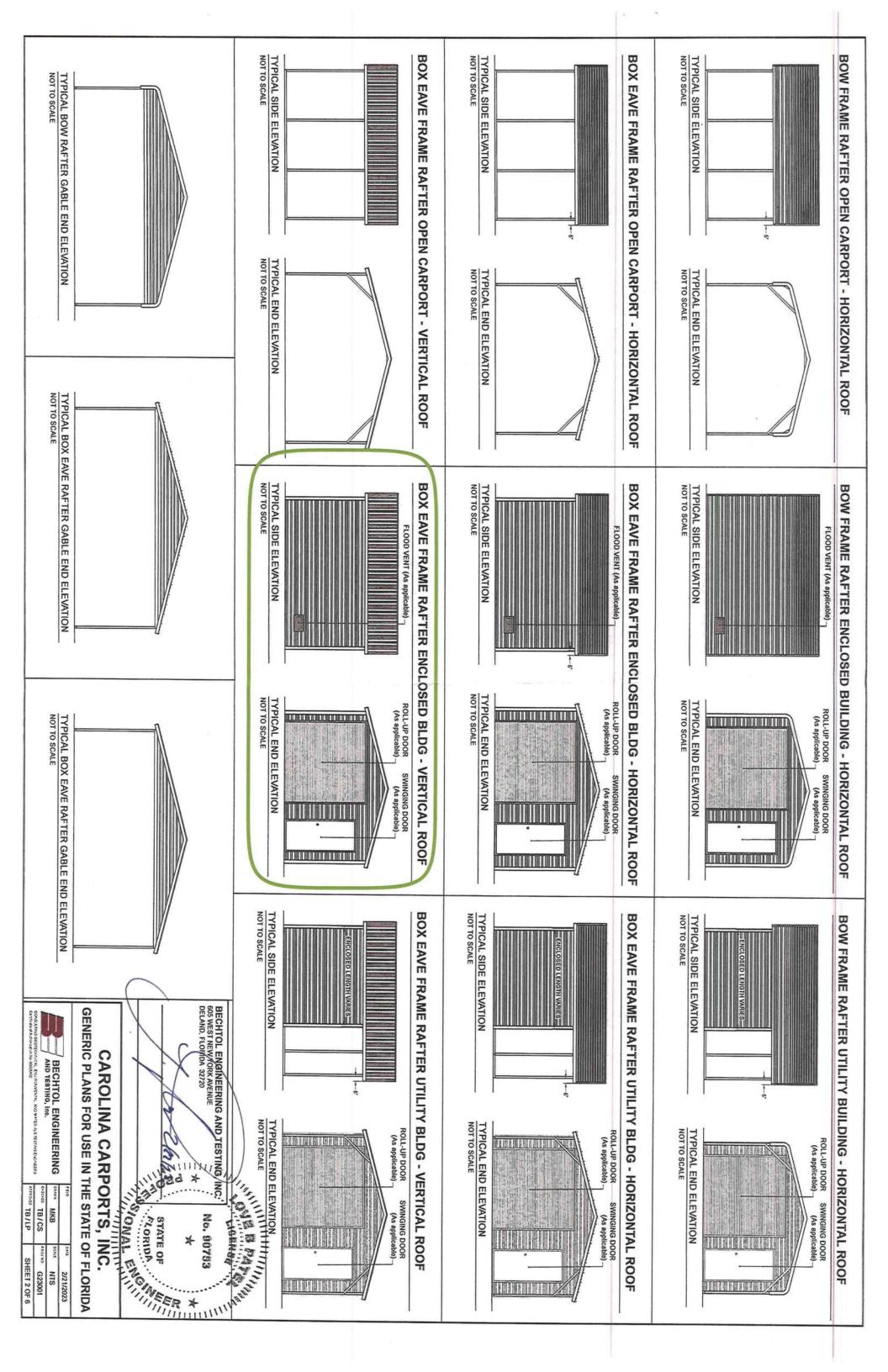
THIS IS TO CERTIFY THAT THE CALCULATIONS AND SPECIFICATIONS HEREIN HAVE BEEN PREPARED BY THE UNDERSIGNED PROFESSIONAL ENGINEER, AND ARE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 1609 OF THE FLORIDA BUILDING CODE, SEVENTH EDITION (2020).

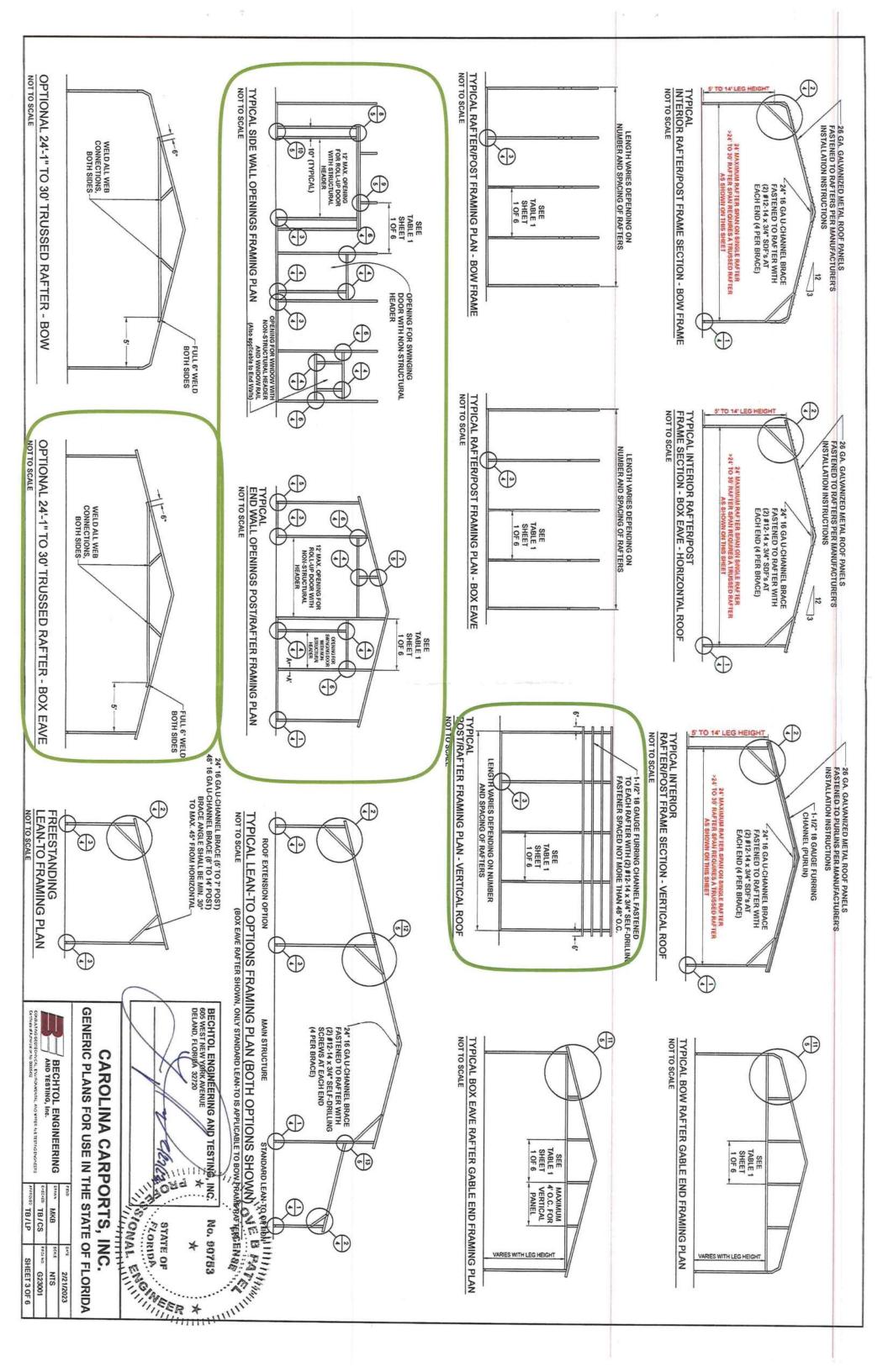


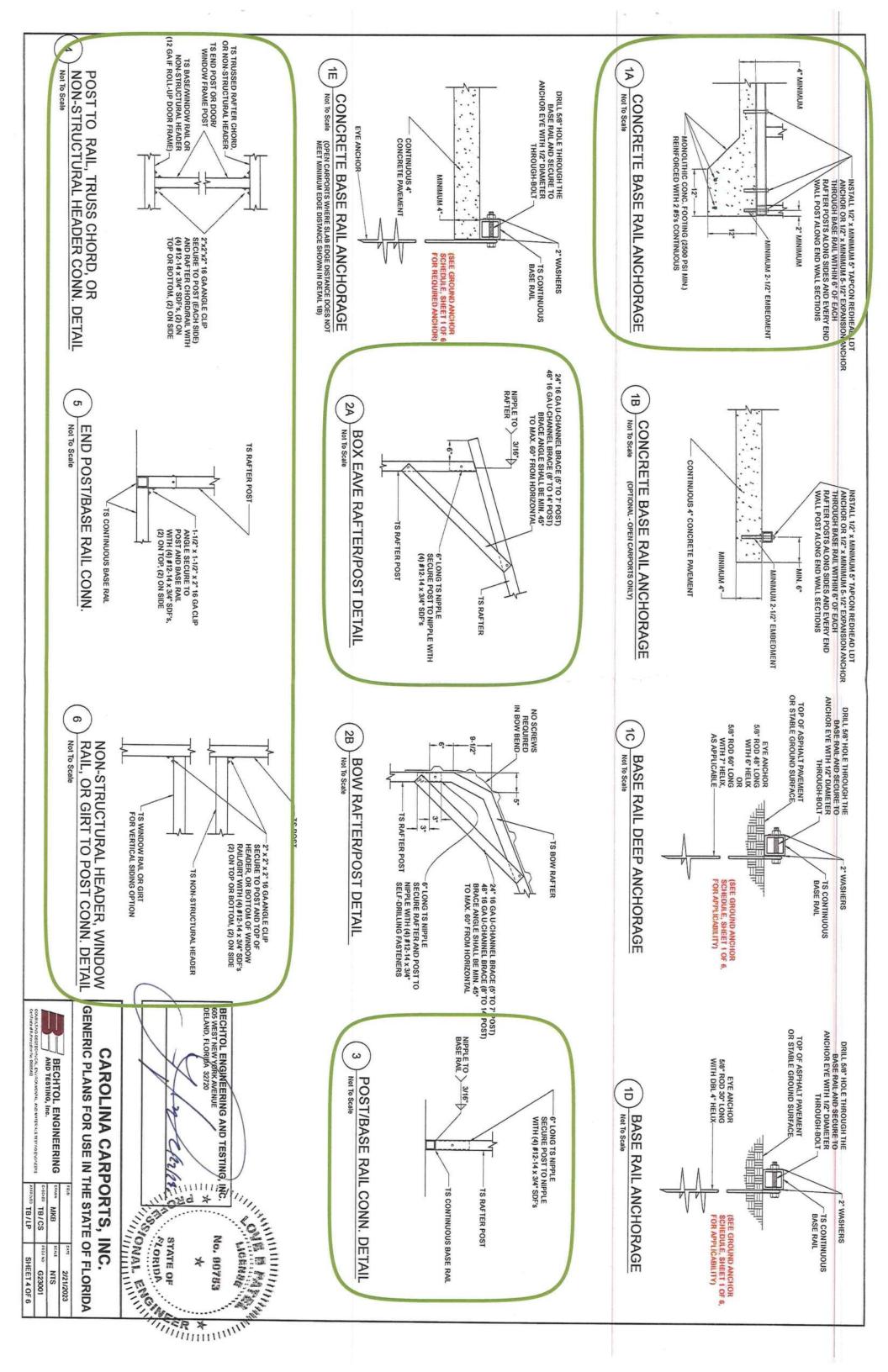
CAROLINA CARPORTS, INC. GENERIC PLANS FOR USE IN THE STATE OF FLORIDA

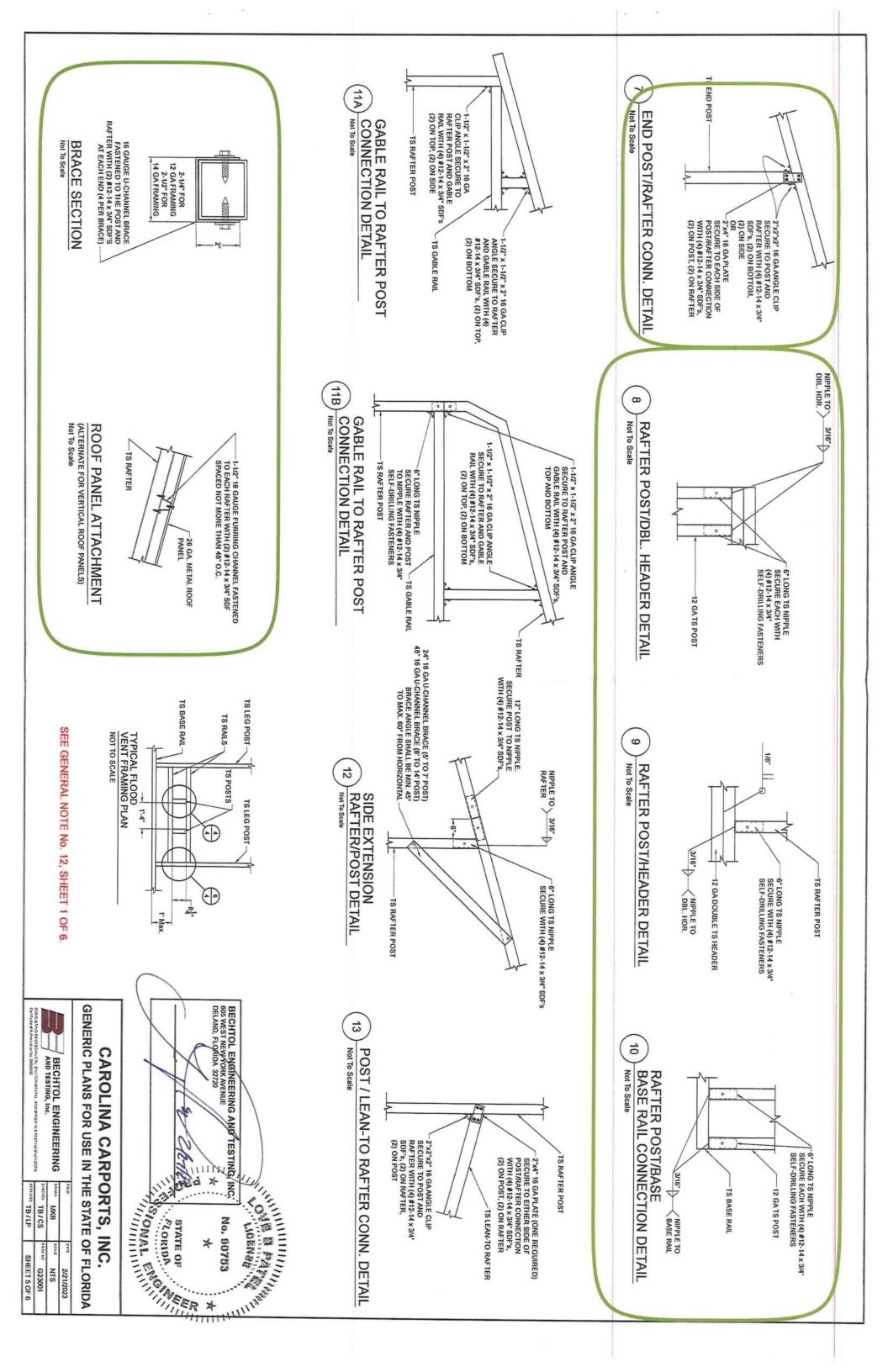
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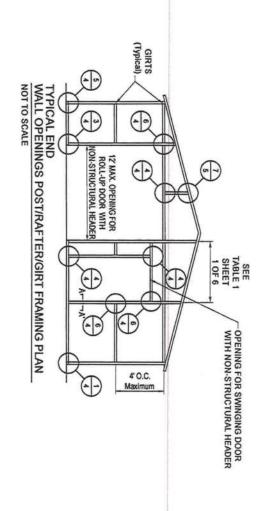


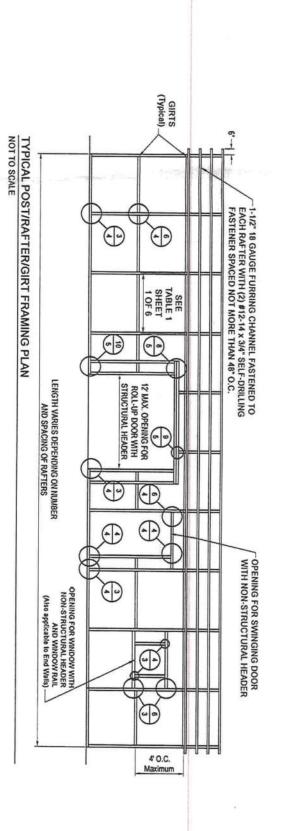




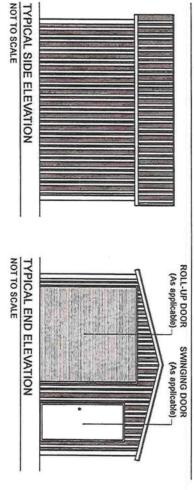


VERTICAL SIDE OPTION

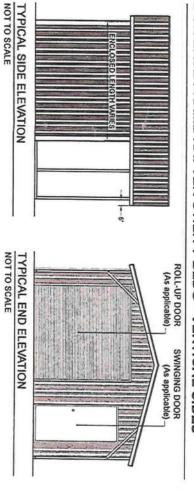


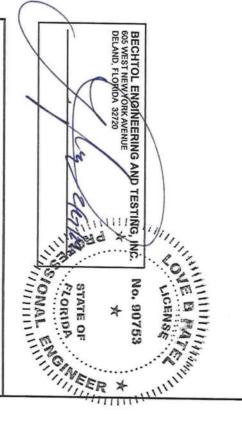


BOX EAVE FRAME RAFTER ENCLOSED BLDG - VERTICAL SIDES



BOX EAVE FRAME RAFTER UTILITY BLDG - VERTICAL SIDES





ENERIC PLANS FOR USE IN THE STATE OF FLORID

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SHEET 6 OF 6	FROM G23001	SIN area	2/21/2023