CT CATEGORY SUB CATEGORY MANUFACTURER APPROVAL EXPIRATION DATE DA			FBC APF	FBC APPROVED PRODUCTS LIST		(e)	/W	MAXIMUM ALLOWABLE	WABLE	RAFT	ER FRAME, EI	TABLE 1 RAFTER FRAME, END POST, GROUND ANCHOR AND PANEL FASTENER SPACING SPECIFICATIONS	TABLE 1 D ANCHOR AND	0 1	PANEL FASTENI
FRAIL COMPONENTS ROOF DECK CAROLIMA CARPORTS, INC. FL6596,1477 04/05/27 180	PR	PRODUCT CATEGORY	SUB CATEGORY	MANUFACTURER	APPROVAL No. & DATE	QA EXPIRATION DATE	OPEN	ENCLOSED	PARTIALLY ENCLOSED						NA YIMINA
RAL COMPONENTS STRUCTURAL WALL CAROLINA CARPOORTS, INC. 26 Gauge AG Panel CAROLINA CARPOORTS, INC. 26 Gauge AG Panel CAROLINA CARPOORTS, INC. 27 Gauge AG Panel CAROLINA CARPOORTS, INC. 27 Gauge AG Panel CAROLINA CARPOORTS, INC. 28 Gauge AG Panel CAROLINA CARPOORTS, INC. 27 Gauge AG Panel CAROLINA CARPOORTS, INC. 27 Gauge AG Panel CAROLINA CARPOORTS, INC. 28 Gauge AG Panel CAROLINA CARPOORTS, INC. 29 Gauge AG Panel CAROLINA CARPOORTS, INC. 20 Gauge AG Panel CAROLINA CARPOORTS, INC. 21 Gauge AG Panel CAROLINA CARPOORTS, INC. 28 Gauge AG Panel CAROLINA CARPOORTS, INC. 29 Gauge AG Panel CAROLINA CARPOORTS, INC. 29 Gauge AG Panel CAROLINA CARPOORTS, INC. 20 Gauge AG Panel CAROLINA CARPOORTS, INC. 21 Gauge	STR	STRUCTURAL COMPONENTS	ROOF DECK	CAROLINA CARPORTS, INC.	FL6596.1-R7 12/12/23	04/05/27	180	180	180		DNIM	ULTIMATE	z	NOMINAL	PO
RAL COMPONENTS STRUCTURAL WALL CARDOLINA CARPORTS, INC. 12/1923** 03/1427 N/A 164 143 1	STR	STRUCTURAL COMPONENTS	STRUCTURAL WALL	CAROLINA CARPORTS, INC.	FL6702.1-R7	03/14/27	180	180	180	CATEGORY	CATEGORY	(MPH)	×	(MPH)	MPH) (FEET) POSTS/RAFTERS POSTS/RAFTERS
ROLL-UMP CHAPLE CORNOLINA CAMPORT IS, INC., 26 Gauge Dutch Lap Wall Panel. 12/12/23/31 CONTROL WALL 26 Gauge Dutch Lap Wall Panel. 12/12/23/31 CONTROL WALL 26 Gauge Dutch Lap Wall Panel. 12/12/23/31 CONTROL WALL 26 Gauge Dutch Lap Wall Panel. 12/12/23/31 CONTROL WALL 26 Gauge Dutch Lap Wall Panel. 12/12/23/31 CONTROL WALL 26 Gauge Dutch Lap Wall Panel. 12/12/23/31 CONTROL WALL 26 Gauge Dutch Lap Wall Panel. 12/12/23/31 CONTROL WALL 26 Gauge Dutch Lap Wall Panel. 12/12/23/31 08/18/25 N/A 139 139 NOTES: LDOORS ROLL-UP ASTA INDUSTRIES INC. Seel Roll Up Sheet Door (10 Max. Width) FL18985.1-R7 1/23/12/4 N/A 180 174 155 LDOORS ROLL-UP CAROLINA CARPORTS, INC. Seel Roll-Up Sheet Door - (10 Max. Width) FL18906.4-R6 0/4/05/27 N/A 180 172 1/4 DOORS ROLL-UP CAROLINA CARPORTS, INC. Seel Roll-Up Sheet Door - (12 Max. Width) FL18906.4-R6 0/4/05/27 N/A 180 172 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 <td< td=""><td></td><td></td><td>OTTO TO THE PARTY OF THE PARTY</td><td>26 Gauge AG Panel</td><td>E1 6700 3-87</td><td>02/4/07</td><td>N/A</td><td>164</td><td>1/13</td><td>•</td><td>,</td><td>110 TO 150</td><td>00</td><td>89 TO 116</td><td>9TO 116 6 5.0</td></td<>			OTTO TO THE PARTY OF THE PARTY	26 Gauge AG Panel	E1 6700 3-87	02/4/07	N/A	164	1/13	•	,	110 TO 150	00	89 TO 116	9TO 116 6 5.0
RODORS SWINGING ELIXIR DOOR AND METAL COMPANY FL17996.3-R3 O8/28/25 N/A 139 139 NOTES: Series 402-14 FL17996.5-R3 O8/19/25 N/A 174 155 FL17996.5-R3 O8/19/25 N/A 174 174 175 FL17996.5-R3 O8/19/25 N/A 180 174 FL1799/23 O8/19/25 N/A 180 I77 FL1799/23 O8/19/25 N/A I80 I77 O8/19/25 O8/19/25 O8/19/25 N/A I80 I77 O8/19/25 O8/19	<u></u>	RUCTURAL COMPONENTS	SIRUCIUKAL WALL	26 Gauge Dutch Lap Wall Panel	12/12/23**	17/11/00	3	ğ	ž	+	c	151 TO 180	- 1	117 TO 139	117 TO 139 4.0
ELIXIR DOOR AND METAL COMPANY FL17996.5-R3 08/19/25 N/A 174 155	EXT	EXTERIOR DOORS	SWINGING	ELIXIR DOOR AND METAL COMPANY Series 402-14	FL17996.3-R3 12/26/23	08/26/25	N/A	139	139		ecifications applic	able to 26 gauge me of purlins.	5 57 1	lal roof and wall pan	 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. 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 nitch). 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 nitch). 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 nitch).
ASTA INDUSTRIES INC. H2888.1-R7 12/31/24 N/A 180 174	EXT	EXTERIOR DOORS	SWINGING	ELIXIR DOOR AND METAL COMPANY Series 407	FL17996.5-R3 12/26/23	08/19/25	N/A	174	155	200	uirements for oth	er roof heights and	9 3	or slopes may vary.	or slopes may vary.
DOORS ROLL-UP CAROLINA CARPORTS, INC. Steel Roll Up Sheet Door (8' Max. Width) FL16806.2-R6 04/05/27 N/A 180	EXT	EXTERIOR DOORS	ROLL-UP	ASTA INDUSTRIES INC.	FL8888.1-R7	12/31/24	N/A	180	174		ULTIMATE W	IND SPEED (mph)	-		ME
DOORS ROLL-UP CAROLINA CARPORTS, INC. Steel Roll Up Sheet Door (8' Max. Width) 12/13/23			j 5	Miodel 203 (12 Max. yaldırı)	El 46906 2 B6	0.000		380	180	-	130	150 160	170	70 180	180 AN
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 age DOORS ROLL-UP CAROLINA CARPORTS, INC. Steel Roll-Up Sheet Door - (12' Max. Width) FL16806.4-R6 12/13/23 04/05/27 N/A N/A 179 154 End of the property	EXT	EXTERIOR DOORS	ROLL-UP	CAROLINA CARPORTS, INC. Steel Roll Up Sheet Door (8' Max. Width)	12/13/23	04/05/2/	NA	80	ō		Aachor				TAG I ENER OTECITICALIONS
DOORS ROLL-UP CAROLINA CARPORTS, INC. Steel Roll-Up Sheet Door - (12' Max. Width) FL16806.4-R6 12/13/23 04/05/27 N/A 179 154 End of the point of the	EXTE	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		6 6	etail (E				FOR CONSTRUCTION IN THE STATE OF FLORIDA
DOORS ROLL-UP CAROLINA CARPORTS, INC. Steel Roll-Up Sheet Door - (16' Max. Width) FL4133.5-R1 12/13/23 04/05/27 N/A 163 142 Q 2 SINGLE HUNG CGI WINDOWS AND DOORS Model SH 40000A FL23358.2-R7 12/19/23 02/28/32 N/A 174 156 D 2	EXTE	EXTERIOR DOORS	ROLL-UP	CAROLINA CARPORTS, INC. Steel Roll-Up Sheet Door - (12' Max. Width)	FL16806.4-R6 12/13/23	04/05/27	N/A	179				48' Anchor			CAROLINA CARPORTS, INC. P.O. BOX 1263
SINGLE HUNG CGI WINDOWS AND DOORS FL23358.2-R7 02/28/32 N/A 174 156 🛱 Model SH 4000A	EXTE	EXTERIOR DOORS	ROLL-UP	CAROLINA CARPORTS, INC. Steel Roll-Up Sheet Door - (16' Max. Width)	FL4133.5-R1 12/13/23	04/05/27	N/A	163				Detail 1D			DOBSON, NORTH CAROLINA 27017 PREPARED BY:
	WINE	WINDOWS	SINGLE HUNG	CGI WINDOWS AND DOORS Model SH 4000A	FL23358.2-R7 12/19/23	02/28/32	N/A	174					60"	60" Anchor	BECHTOL ENG
									_	DETAILS 10	AND 1D SHOW	NON SHE	ET 4 OF	ET 4 OF 6	Certific

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.

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 PRAISE OR LOWERED AS NECESSARY TO ACCOMPONITE SUBSTITUTED PRODUCT.

SUBSTITUTED PRODUCT.

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.
- ALL STEEL TUBING SHALL BE 50 KSI GALVANIZED STEEL. ALL FASTENERS SHALL BE GALVANIZED OR STAINLESS STEEL OR ZINC PLATED.

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- 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.
- 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.
- CONCRETE ANCHORS SHALL BE TAPCON REDHEAD LDT 1/2" x 5" OR EQUIVALENT OR WEJ-IT ANKR-TITE MODEL AT 1252, OR SLEEVE ANCHOR MODEL HSA 1260, 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 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.
- 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.

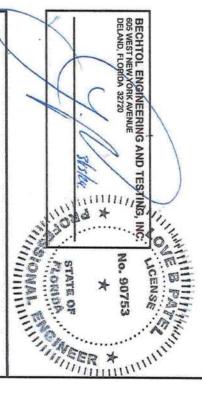
LANS EXAM

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).

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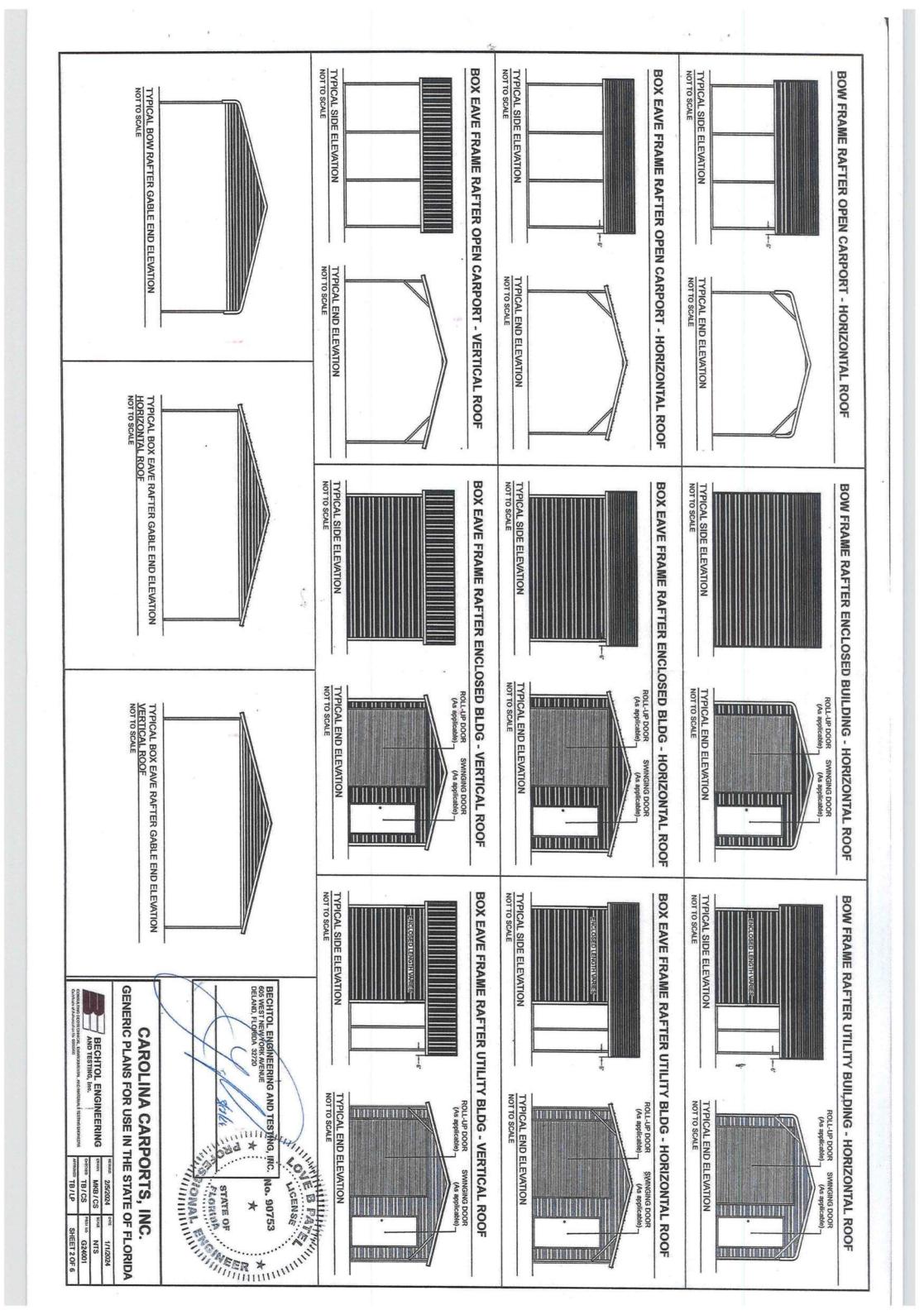
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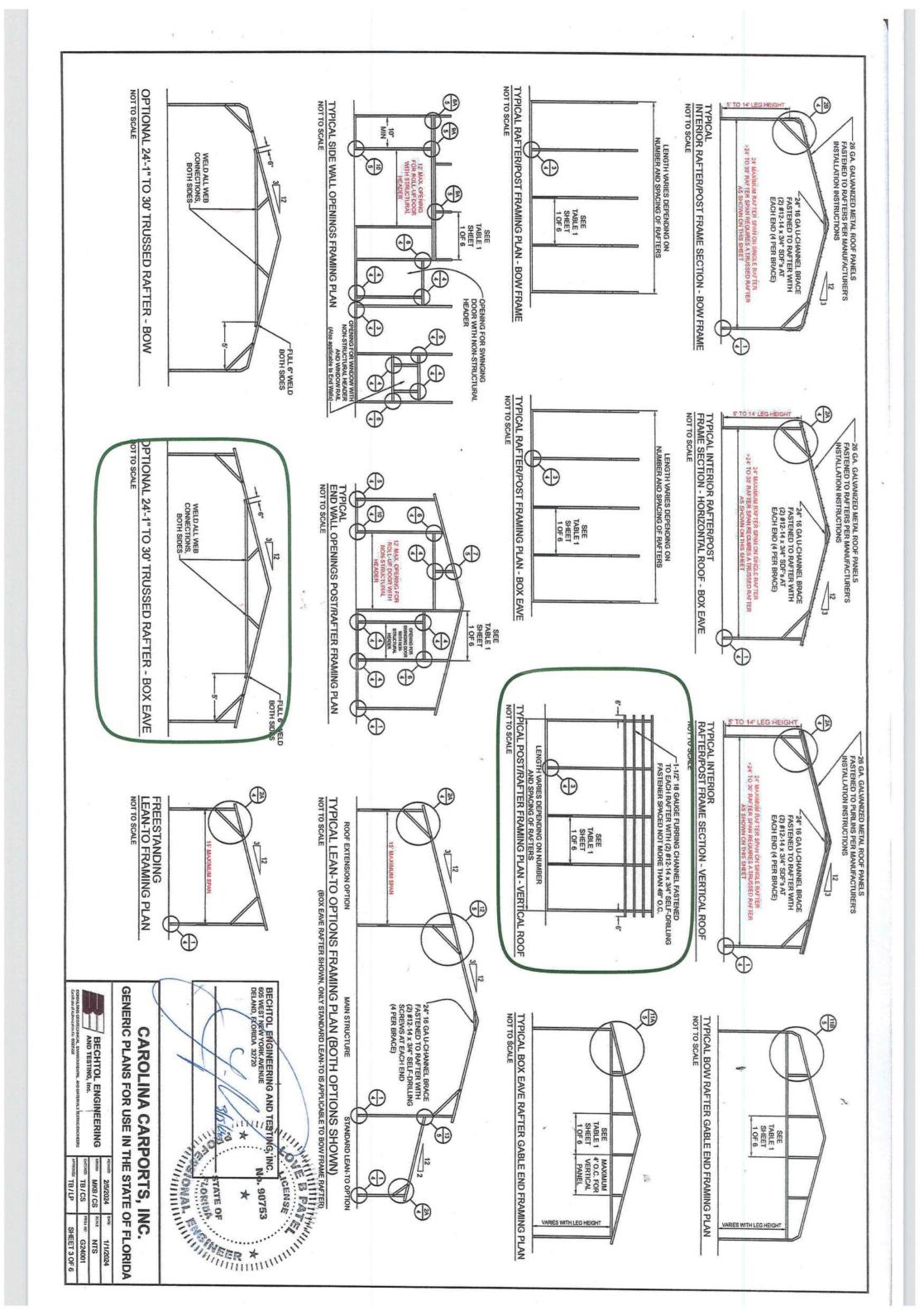
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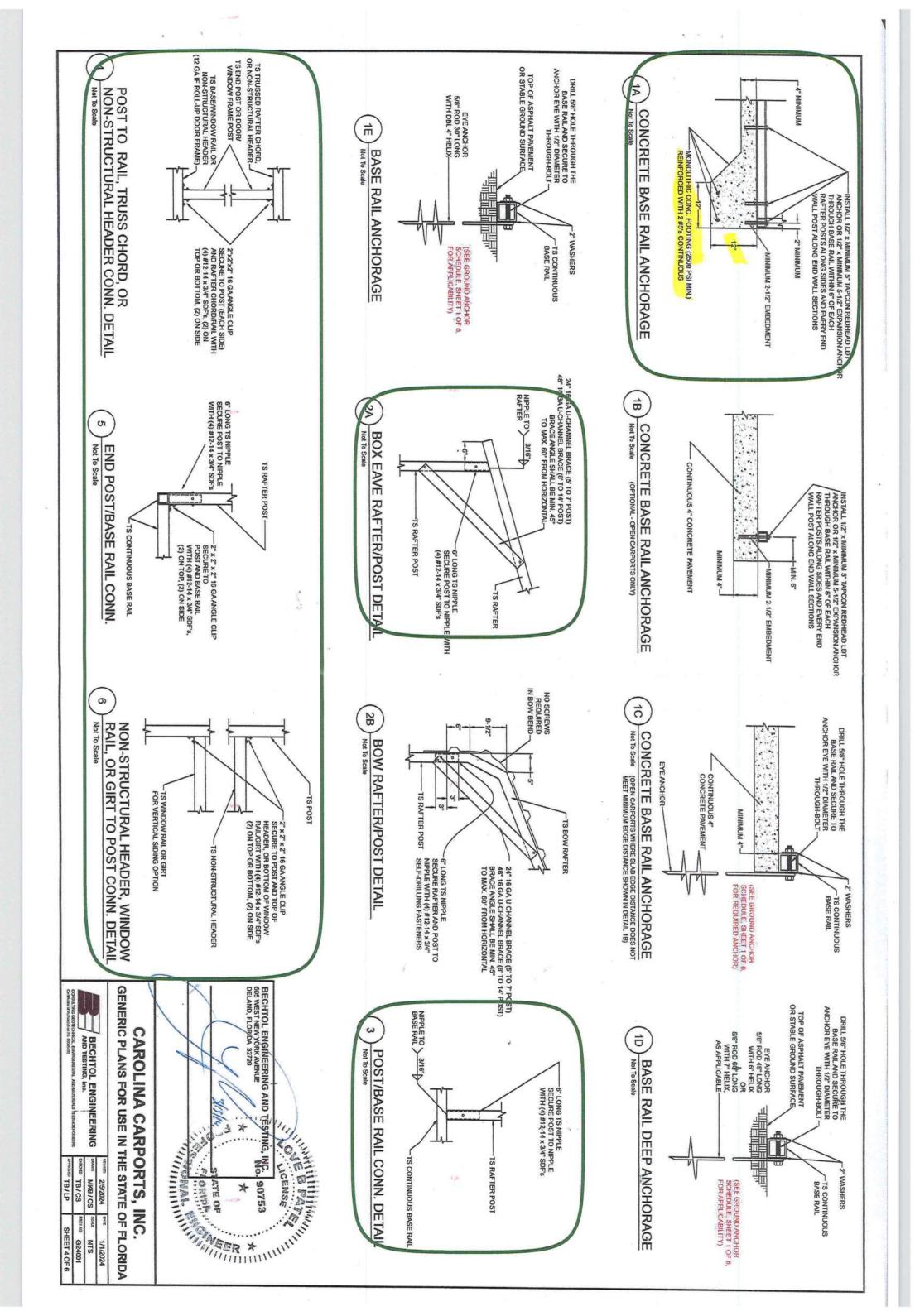


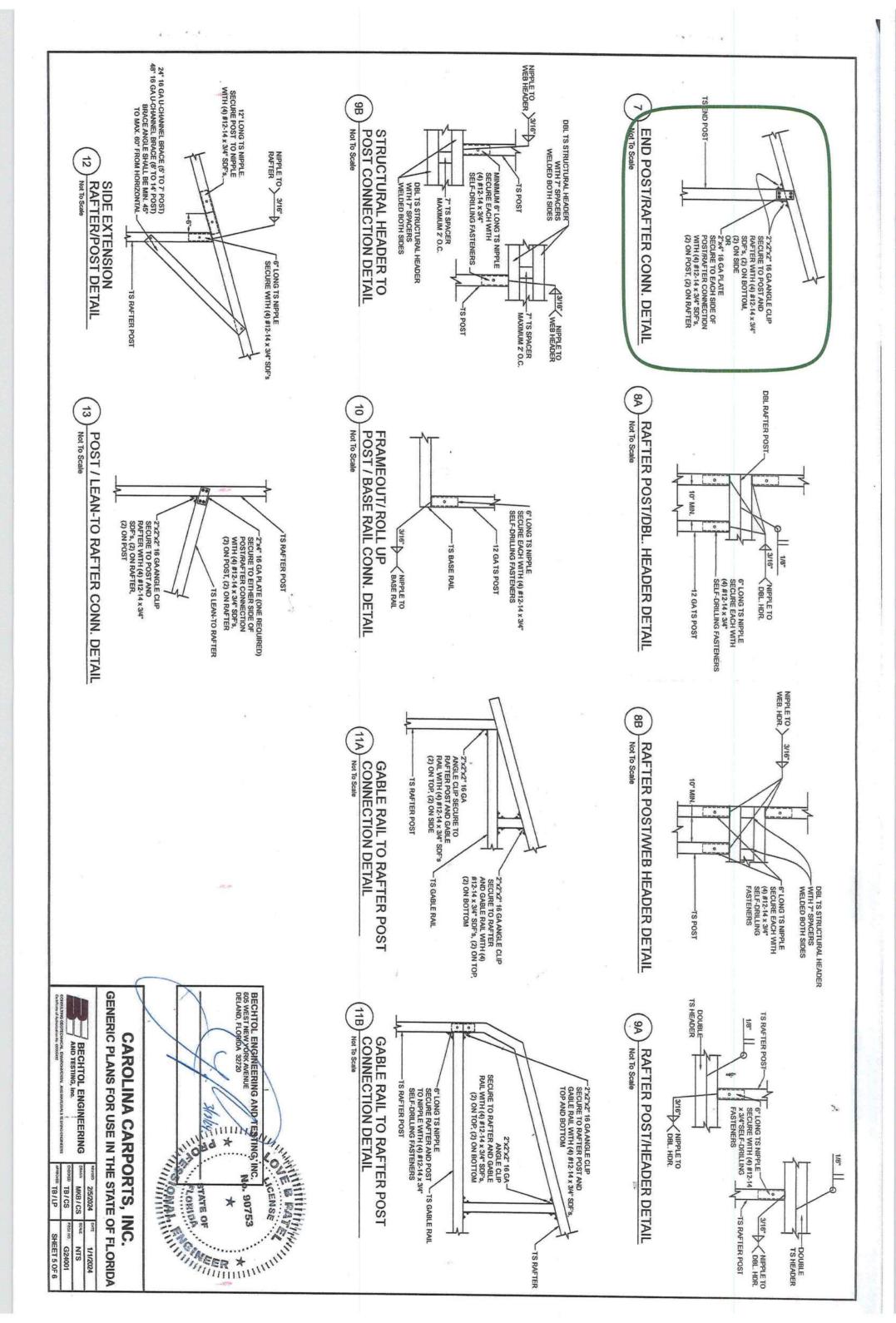
ENERIC PLANS FOR USE IN THE STATE OF FLORIDA CAROLINA CARPORTS, INC.

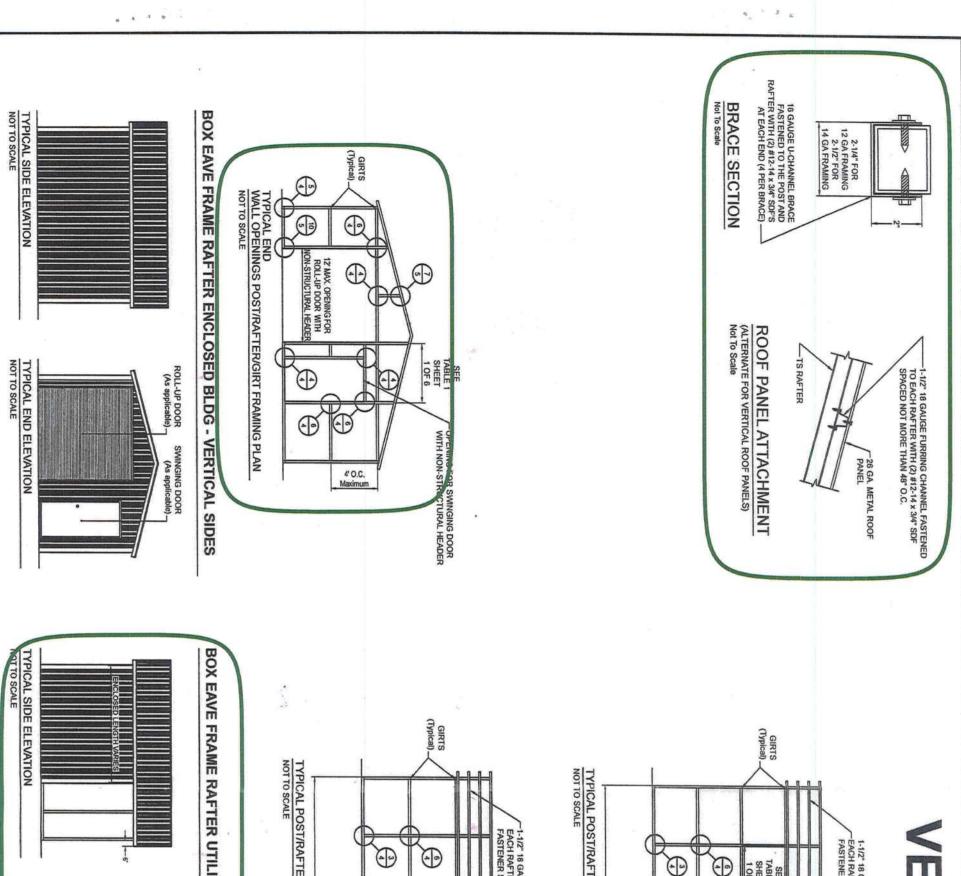
e of Authorities (CCCS)-97	THE COURT DANGERS AND LANGUAGE STATISTICS FOR THE STATE OF THE STATE O	BECHTOL ENGINEERING	
BADBARY	ORCHED	tevres	SEMISE
TOLLO	TB/CS	MKB/CS	2/5/2024
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SHEET 1 OF 6	G24001	STN	1/1/2024



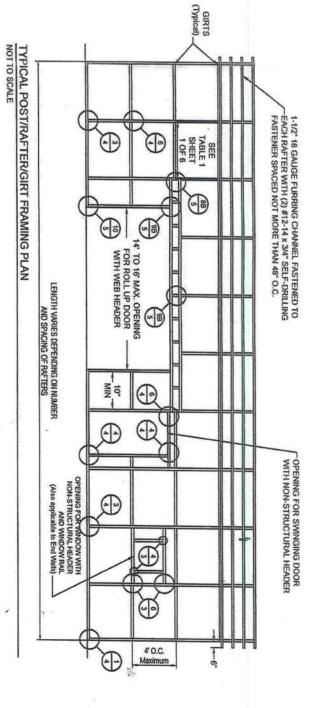


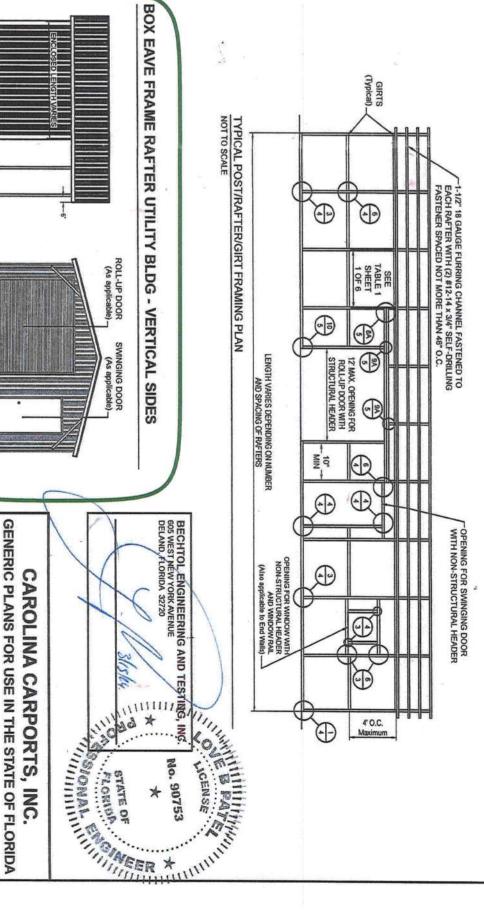












TYPICAL END ELEVATION NOT TO SCALE

GENERIC PLANS FOR USE IN THE STATE OF FLORIDA

BECHTOL ENGINEERING

MKB/CS TB/CS TB/LP

1/1/2024

SHEET 6 OF 6

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