	St. J. Marine						-		da in	(material)	Example:		-			
NOTES 1. DOORS AND WINDOWS SHOWN MAY BE SUBSTITUTED FOR A 1. DOORS AND WINDOWS SHOWN MAY BE SUBSTITUTED FOR A 1. DOORS AND WINDOWS SHOWN AND FRODUCT APPROVAL 1. COMPONENTS ARE INSTALLED ACCORDING TO MANUFAC 2. FRAMING CONNECTIONS FOR DOOR AND WINDOW FRAMES 3.665 TUTED PRODUCT 3.665 TUTED PRODUCT		WINDOWS	EXTERIOR DOORS	EXTERIOR DOORS	EXTERIOR DOORS	EXTERIOR DOORS	EXTERIOR DOORS	2.7	EXTERIOR DOORS	EXTERIOR DOORS	O IROC LORAL COMPONENTO	CTELESTICAL COMPONENTS	STRUCTURAL COMPONENTS	STRUCTURAL COMPONENTS	PRODUCT CATEGORY	,
MAN BE SUBSTITUTED FOR DIFF ID FBC PRODUCT APPROVAL DACCORDING TO MANUFACTUR GOOR AND WINDOW FRAMES REI WITCHLIABLS A CO		SINGLE HUNG	ROLL-UP	ROLL-UP	ROLL-UP	ROLL-UP	ROLL-UP		SWINGING	SWINGING	O LYCK LOUGH AND LE	STELLOTIEN MAIL	STRUCTURAL WALL	ROOF DECK	SUB CATEGORY	FBC APF
NOTES 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. H. COMPONENTS ARE INSTALLED ACCORDING TO MANUFACTURER'S INSTALLATION REQUIREMENTS. 2. FRAMING CONNECTIONS FOR DOOR AND WINDOW FRAMES REMAIN THE SAME FOR SUBSTITUTED PRODUCT. SUBSTITUTED PRODUCT. SUBSTITUTED PRODUCT.		CGI WINDOWS AND DOORS Model SH 4000A	CAROLINA CARPORTS, INC. Steel Roll-Up Sheet Door - (16' Max. Width)	CAROLINA CARPORTS, INC. Steel Roll-Up Sheet Door - (12' Max. Width)	CAROLINA CARPORTS, INC. Steel Roll-Up Sheet Door - (10' Max. Width)	CAROLINA CARPORTS, INC. Steel Roll Up Sheet Door (8' Max. Width)	ASTA INDUSTRIES INC. Model 203 (12' Max. Width)	Series 407	ELIXIR DOOR AND METAL COMPANY	ELIXIR DOOR AND METAL COMPANY Series 402-14	26 Gauge Dutch Lap Wall Panel	CADOL BY CADDODA'S INC	CAROLINA CARPORTS, INC.	CAROLINA CARPORTS, INC. 26 Gauge AG Panel	MANUFACTURER	FBC APPROVED PRODUCTS LIST
DITHE FOLLOWING CON	1	FL23358.2-R7 12/19/23	FL41335 1-R1 12/13/23	FL16806.1-R6 12/13/23	FL16806.4-R6 12/13/23	FL16806.2-R6 12/13/23	FL8888.1-R7 11/06/23	12/26/23	FL17996.5-R3	FL17996.3-R3 12/26/23	12/12/23	FI 6702 3-B7	FL6702.1-R7 12/12/23	FL6596.1-R7 12/12/23	APPROVAL No. & DATE	
DITIONS ARE MET		02/28/32	04/05/27	04/05/27	04/05/27	04/05/27	12/31/24		08/19/25	08/26/25	05/14/2/	03/14/07	03/14/27	04/05/27	QA EXPIRATION DATE	
R LOWERED A		N/A	N/A	N/A	NA	N/A	NIA		N/A	N/A	300	NIA	180	180	OPEN	M
NECESSÁRY TO AC		174	163	179	180	180	180	Toping to	174	139	Š	164	180	180	ENCLOSED	MAXIMUM ALLOWABLE
COMODATE	-	156	142	154	172	180	174		155	139	į	1433	180	180	PARTIALLY ENCLOSED	WABLE ED
	30 DETAILS	BUI 26	LDING 24 23				110	0	2.5	NOTES: 1, S	1		CATEGORY	RISK		RAF
	1C AND 1D SHOW				Detail IE		_	GROUND ANCHOR SCHEDULE	pecifications applica equirements for other	 Specifications applicable to 26 gauge megauge hat channel roof purlins. 	Borc		-	WIND		TER FRAME, EN
	DETAILS 1C AND 1D SHOWN ON SHEET 4 OF 6	80	Detail 10	48" Anchor			ULTIMATE WIND SPEED (mph) 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.	ble to 26 gauge met of purlins.	151 TO 180	110 TO 150	(MPH)	ULTIMATE WIND SPEED		D POST, GROUN
	F6	Anchor					180		of height of 20 fee slopes may vary.	al roof and wall pa	117 TO 139	89 TO 116	(MPH)	WIND SPEED		TABLE 1 ID ANCHOR AND
	Certificate of A	BECHTOL ENGIN	DOBSON, NO	CAROLIN	FOR CONSTRUCTION IN THE STATE OF FLORIDA PREPARED FOR:	FASTENE	METAL CARPORT INSTALLATION PLANS 35 AND DETAILS AND FRAMING AND		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.	tal roof and wall panels fastened directly to 12 or 14 gauge steel tube framing, or 18	f 4.0	5.0		PO	MIMITAL	TABLE 1 RAFTER FRAME, END POST, GROUND ANCHOR AND PANEL FASTENER SPACING SPECIFICATIONS
County Bu	DELAND, FLORIDA 32/20 Certificate of Authorization No. 00005492	BECHTOL ENGINEERING AND TESTING, INC. 605 WEST NEW YORK AVENUE	DOBSON, NORTH CAROLINA 27017 PREPARED BY:	CAROLINA CARPORTS, INC. P.O. BOX 1263	DREPARED FOR:	FASTENER SPECIFICATIONS	TAL CARPORT INSTALLATION PLA AND DETAILS AND FRAMING AND		s of 7° to 27° (1.5:12)	o 12 or 14 gauge steel	6	6	POSTS/RAFTERS	INTERIOR	AVERAGE FAS ON-CENTERS AI PURLINS, AND	ER SPACING SPE
Reviewed do	05492	TING, INC. JE	27017	y	OF FLORIDA	SNO	G AND 35		to 6:12 pitch). Spacing	tube framing, or 18	6	6	POSTS/RAFTERS POSTS/RAFTERS	(INCHES)	AVERAGE FASTENER SPACING ON-CENTERS ALONG RAFTERS OR PURLINS, AND POSTS OR GIRTS	CIFICATIONS

GENERAL NOTES:

SPACING FOR DUTCH LAP IS 4.0

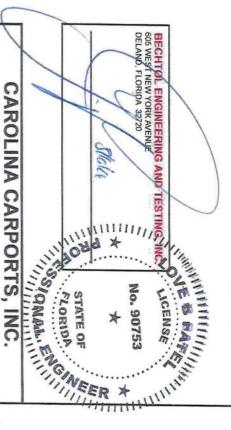
- THESE PLANS PERTAIN ONLY TO THE STRUCTURE, INCLUDING MAIN WIND FORCE RESISTING SYSTEM, COMPONENTS AND CLADDING, AND BASE RAIL ANCHORAGE. OTHER DESIGN ISSUES, INCLUDING BUT NOT LIMITED TO PLUMBING, ELECTRICAL, INGRESS/EGRESS, PROPERTY SET-BACKS, FINISH FLOOR ELEVATION AND SLOPE, OR OTHER LOCAL ZONING REQUIREMENTS ARE THE RESPONSIBILITY OF OTHERS.
- THESE STRUCTURES ARE DESIGNED AS NON-HABITABLE ORLITY/STORAGE BUILDINGS (RISK CATEGORY)) CAPABLE DE SUPPORTING DEAD LOAD OF THE STRUCTURE AND APPLICABLE LIVE AND MIND LOADS. IMPROVEMENTS NOT SPECIFICALLY ADDRESSED HEREIN, INCLUDING DOORS, WINDOWS, OR OTHER COMPONENTS NOT LISTED IN THE FIRE OPPRICADED IN 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
- 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.

8

- 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 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.
- ≓ 14 GA FRAMING: 2-1/2" \times 2-1/2" TUBE STEEL (TS) WITH 2-1/4" \times 2-1/4" TS NIPPLES. 12 GA FRAMING: 2-1/4" \times 2-1/4" \times 2-1/4" TS WITH 2" \times 2" TS NIPPLES.
- 12 FOR CONTINUOUS REINFORCING, MINIMUM BAR OVERLAP SHALL BE 40 BARS DIAMETERS (25" FOR #5 REBAR).
- 3 TORNADO VELOCITY COMPLIANCE IS NOT REQUIRED FOR RISK I OR RISK II 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

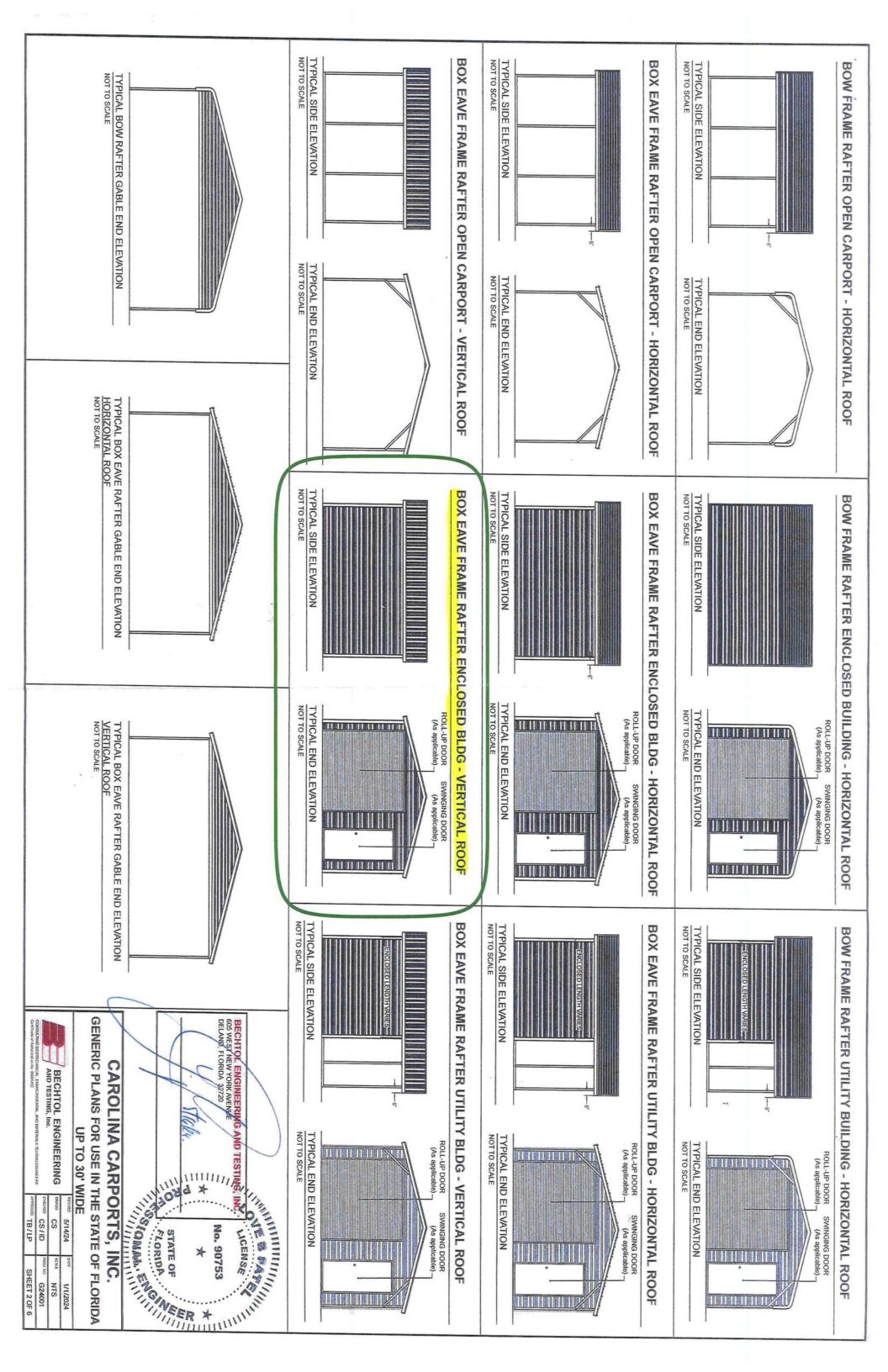


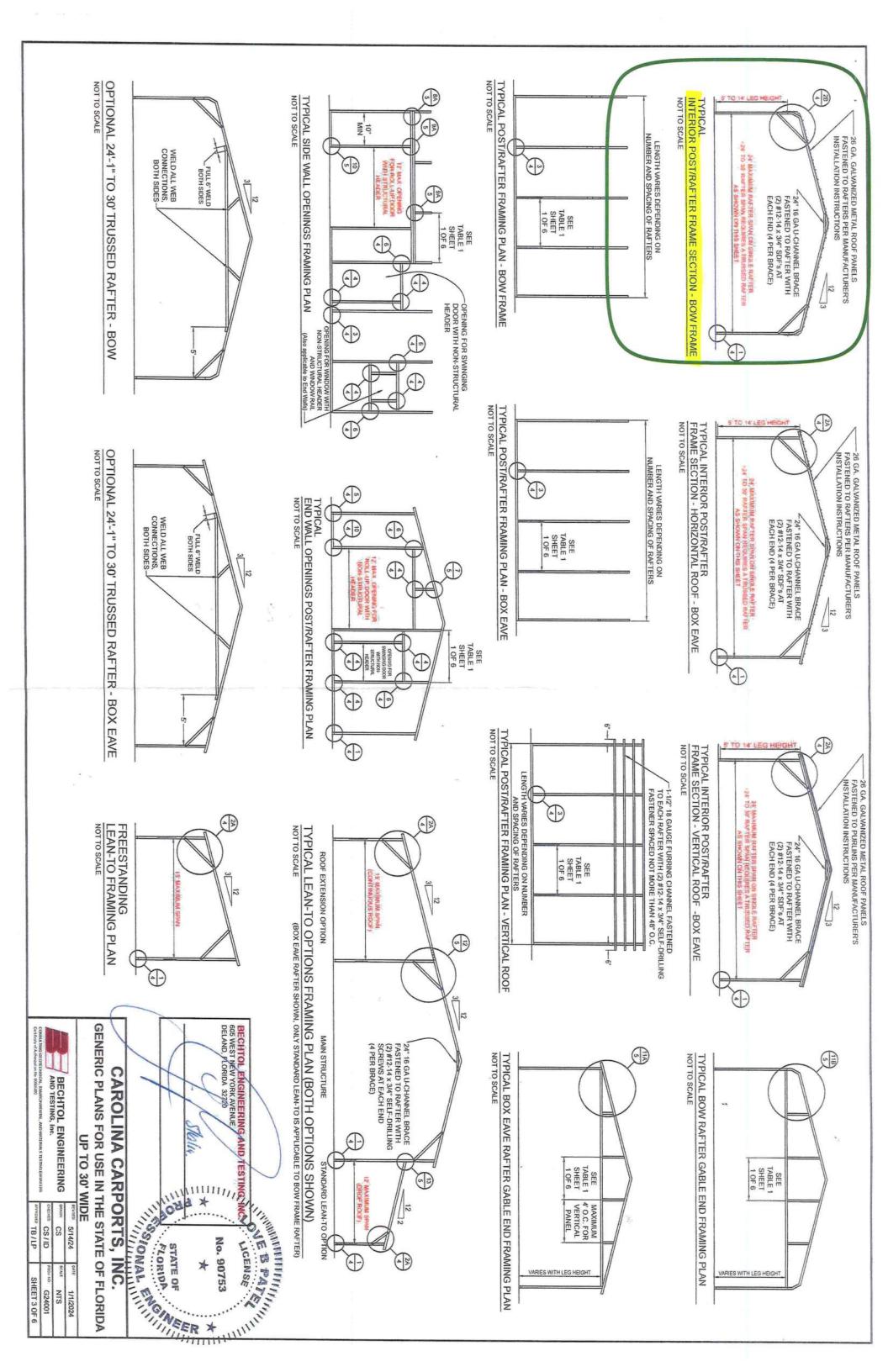


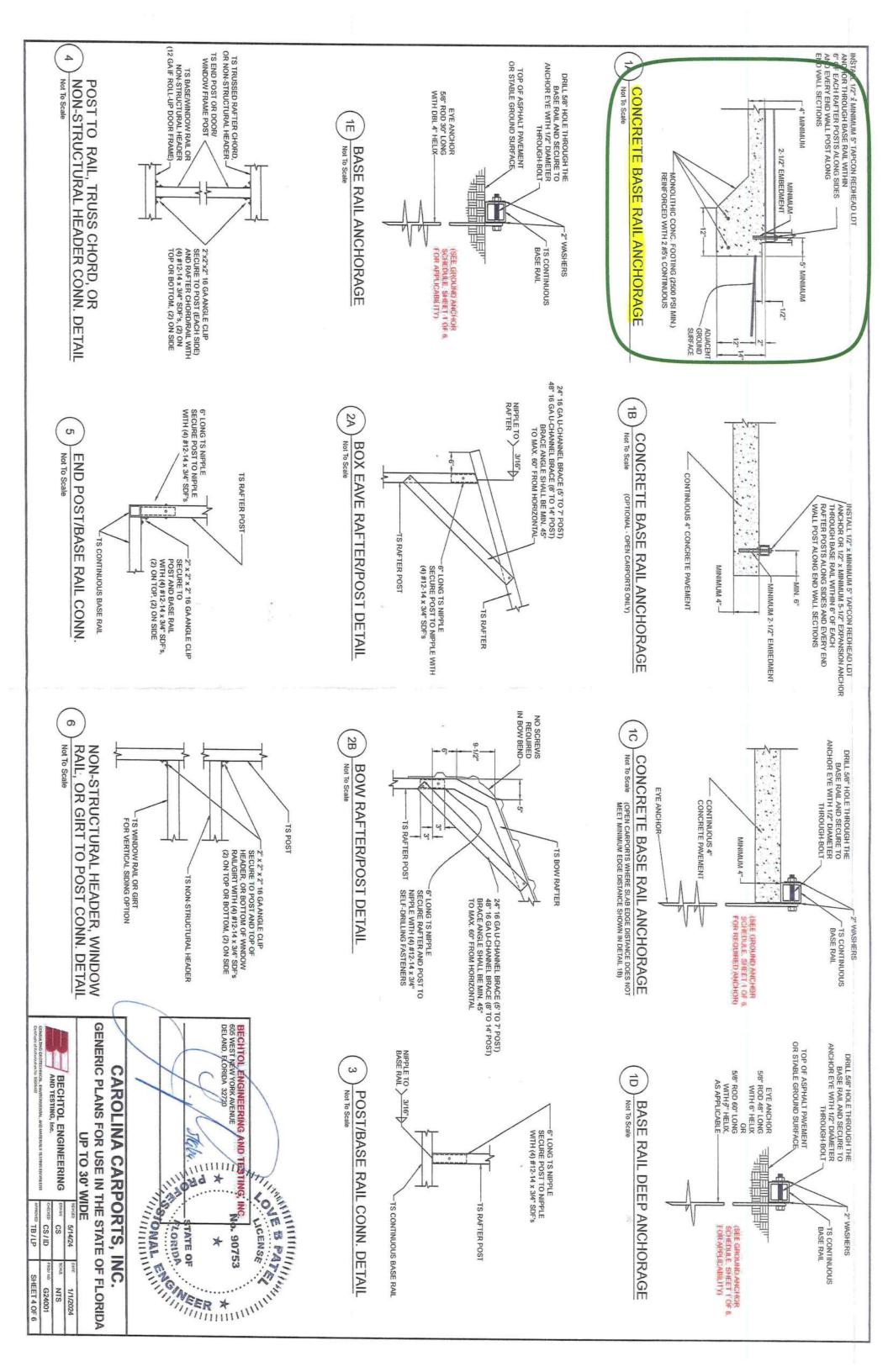


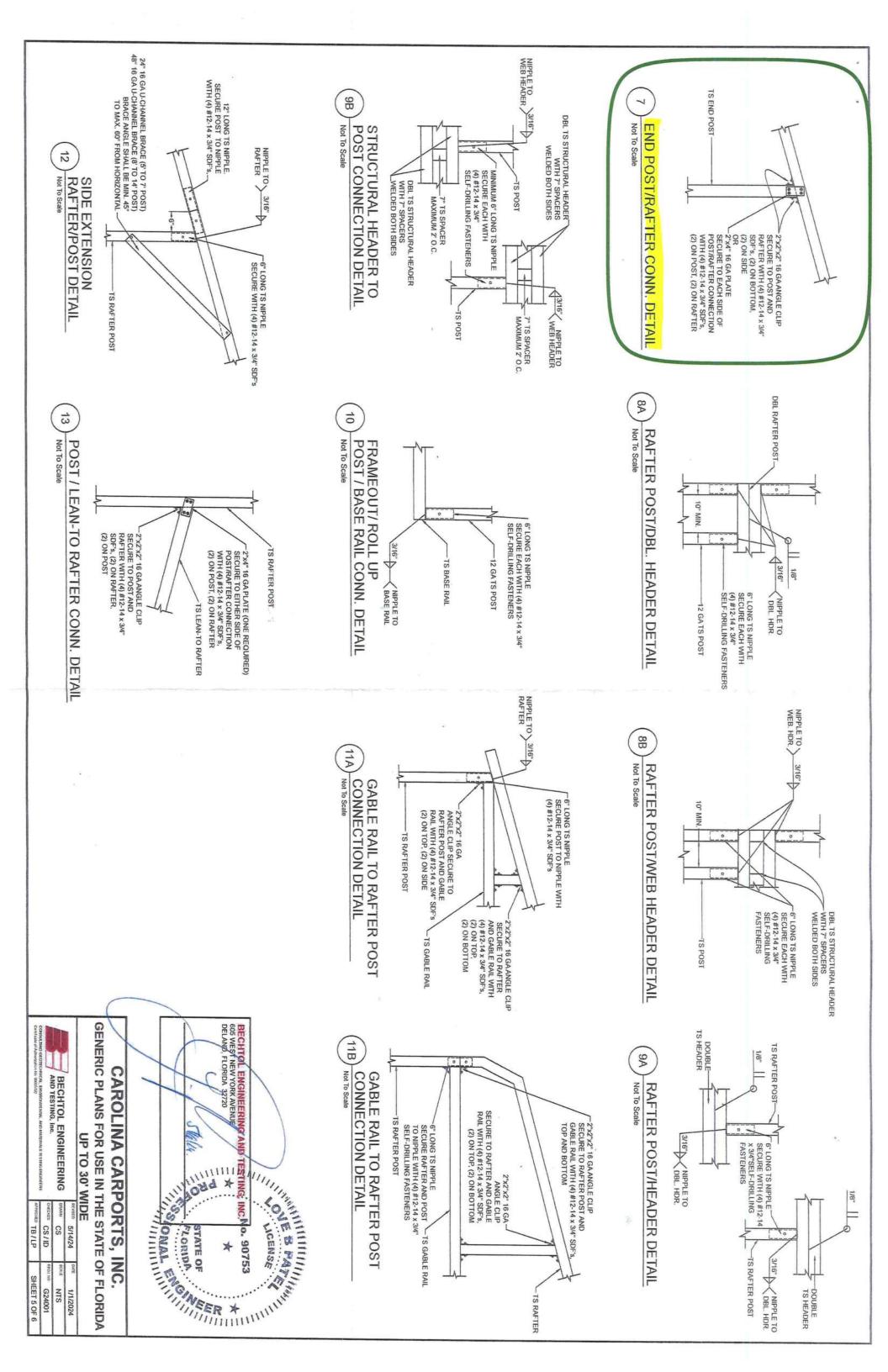
GENERIC PLANS FOR USE IN THE STATE OF FLORIDA UP TO 30' WIDE

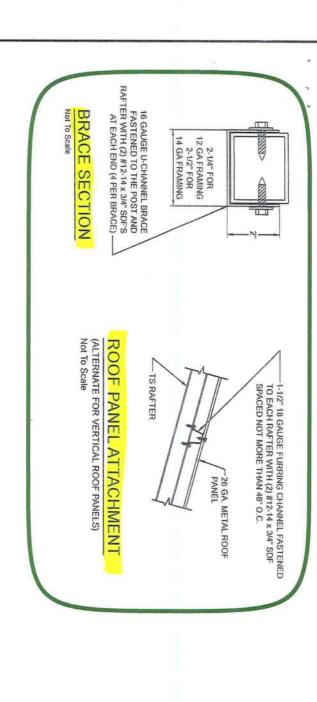
Authorization No. 00005492	DOCTORED FRANCISCO INC.	BECHTOL ENGINEERING	
TADBARA	CHECKET	G	daskab
0	CS/ID	CS	5/14/24
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TB/LP SHEET 1 OF 1	Out rollid	30ACE	BASE

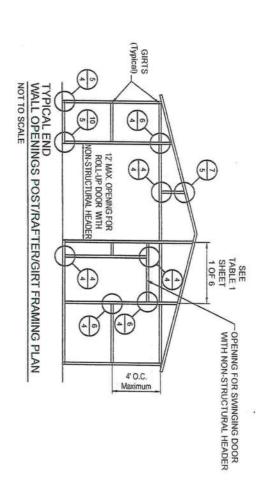




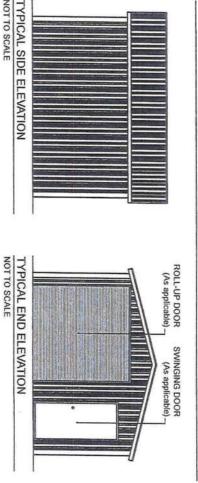








BOX EAVE FRAME RAFTER ENCLOSED BLDG - VERTICAL SIDES



NOT TO SCALE

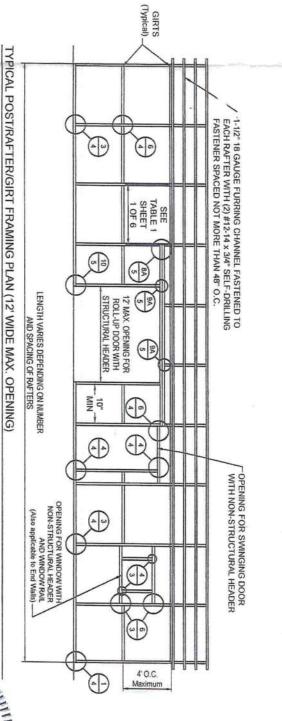
TYPICAL SIDE ELEVATION

NOT TO SCALE

VERTICAL SID 1-1/2" 18 GAUGE FURRING CHANNEL FASTENED TO -EACH RAFTER WITH (2) #12-14 × 3/4" SELF-DRILLING FASTENER SPACED NOT MORE THAN 48" O.C. 1 1 SEE TABLE 1 SHEET 1 OF 6 5 14" TO 16" MAX. OPENING FOR ROLL UP DOOR WITH WEB HEADER 1 M 0 0 1 OPENING FOR SWINGING DOOR WITH NON-STRUCTURAL HEADER OPENING FOR TONDOW WITH NON-STRUCTURAL HEADER AND WINDOW RAIL (Also applicable to End Walls)— Ø 1

4" O.C.

(Typical)

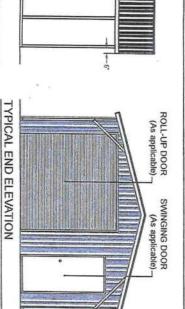


TYPICAL PC ST/RAFTER/GIRT FRAMING PLAN (14' TO 16' WIDE MAX. OPENING)

LENGTH VARIES DEPENDING ON NUMBER AND SPACING OF RAFTERS

BOX EAVE FRAME RAFTER UTILITY BLDG - VERTICAL SIDES

NOT TO SCALE



TYPICAL EN		ROLI (As
TYPICAL END ELEVATION		ROLL-UP DOOR (As applicable)-
DELE		
WATIC		SWINGING DOOR (As applicable)
Ž		(As applicable)-
	-	E X



1/1/2024

SHEET 6 OF 6 G24001