

TABLE 1
RAFTER FRAME, END POST, GROUND ANCHOR AND PANEL FASTENER SPACING SPECIFICATIONS

GENERAL NOTES:

- FOR CONTINUOUS REINFORCING MINIMUM BAR OVERLAP SHALL BE 40 BARS DIAMETERS (25" FOR #5 REBAR).

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 1908 OF THE FLORIDA BUILDING CODE, EIGHTH EDITION (2023).



ALL COMPONENTS AND CADDING SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S INSTALLATION INSTRUCTIONS. THE MANUFACTURER'S NAME SHALL BE IDENTIFIED ON THE PLUMBING MANIFEST. THE STATE OF FLORIDA.

ALL FIELD BRACING CONNECTIONS SHALL BE #12.14 x 3/4" SELF DRILLING SCREWS WITHOUT COVER PLATE 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 BENTONITE WELDED WIRE FABRIC COMPANIONS WITH ASTM A 186 OR BENTONITE WELDED WIRE FABRIC COMPANIONS WITH ASTM A 186.

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 JOINTING AND/OR CONCRETE SLAB CONNECTIONS. SEE JOINT AND ANCHOR SCHEDULE, PLANS SHEETS FOR SPECIFIC GROUND AND ANCHOR SIZE REQUIREMENTS.

3. CONCRETE ANCHORS SHALL BE TAPCON RED-HEAD LDT 1/2" x 5" 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 R010.1 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.

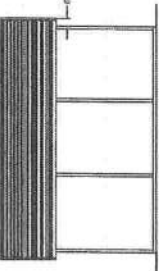
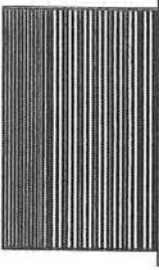
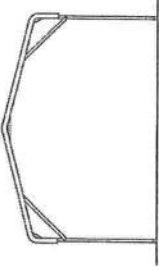
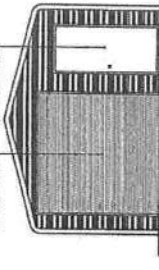
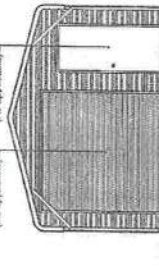
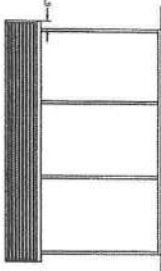
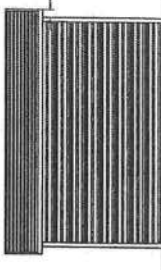
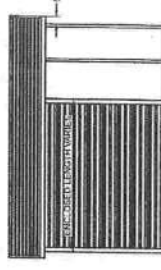
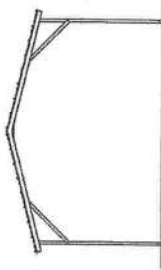
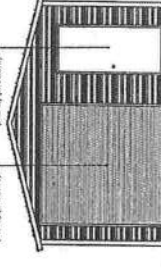
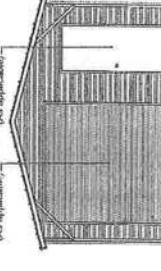
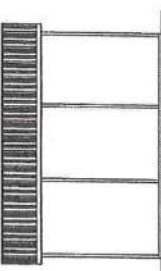
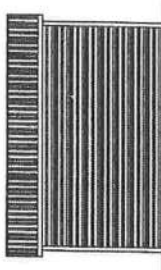
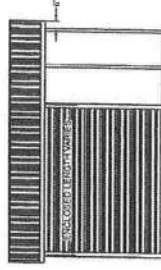
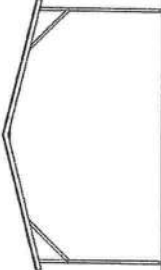
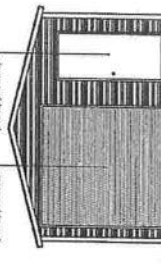
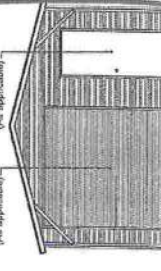
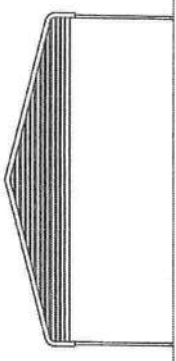
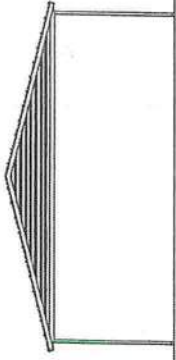
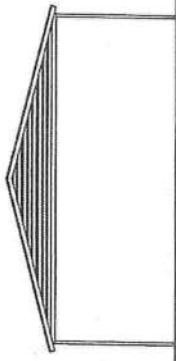
14 GA GALV. 2.91" x 2.12" THRE SYEE (TS), WITH 2.14" x 2.14" TS NIPPER.

12 GA FRAMING, 2-1/4" X 2-1/4" TS WITH 2" X 2" TS NIPPLES.

FOR CONTINUOUS REINFORCING MINIMUM BAR OVERLAP SHALL BE 40 BARS DIAMETERS (25" FOR #5 REBAR).

TO ORDER THE ORDER FORM HAVE THE

TORNADO VELOCITY COMPLIANCE
(2023) - BUILDING, AND ASCE 7-22

BOW FRAME RAFTER OPEN CARPORT - HORIZONTAL ROOF		BOW FRAME RAFTER ENCLOSED BUILDING - HORIZONTAL ROOF		BOW FRAME RAFTER UTILITY BUILDING - HORIZONTAL ROOF	
	TYPICAL SIDE ELEVATION NOT TO SCALE		TYPICAL SIDE ELEVATION NOT TO SCALE		TYPICAL SIDE ELEVATION NOT TO SCALE
	TYPICAL END ELEVATION NOT TO SCALE		TYPICAL END ELEVATION NOT TO SCALE		TYPICAL END ELEVATION NOT TO SCALE
BOX EAVE FRAME RAFTER OPEN CARPORT - HORIZONTAL ROOF		BOX EAVE FRAME RAFTER ENCLOSED BLDG - HORIZONTAL ROOF		BOX EAVE FRAME RAFTER UTILITY BLDG - HORIZONTAL ROOF	
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	TYPICAL END ELEVATION NOT TO SCALE		TYPICAL END ELEVATION NOT TO SCALE		TYPICAL END ELEVATION NOT TO SCALE
BOX EAVE FRAME RAFTER OPEN CARPORT - VERTICAL ROOF		BOX EAVE FRAME RAFTER ENCLOSED BLDG - VERTICAL ROOF		BOX EAVE FRAME RAFTER UTILITY BLDG - VERTICAL ROOF	
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	TYPICAL END ELEVATION NOT TO SCALE		TYPICAL END ELEVATION NOT TO SCALE		TYPICAL END ELEVATION NOT TO SCALE
TYPICAL BOW RAFTER GABLE END ELEVATION NOT TO SCALE		TYPICAL BOX EAVE RAFTER GABLE END ELEVATION HORIZONTAL ROOF NOT TO SCALE		TYPICAL BOX EAVE RAFTER GABLE END ELEVATION VERTICAL ROOF NOT TO SCALE	
					

BECHTOL ENGINEERING AND TESTING, INC.
605 WEST NEW YORK AVENUE
DELAND, FLORIDA 32720

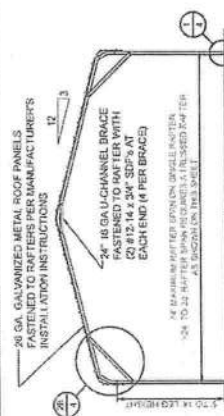
PROFESSIONAL ENGINEER
No. 90753
STATE OF FLORIDA

CAROLINA CARPORTS, INC.
UP TO 30' WIDE

GENERIC PLANS FOR USE IN THE STATE OF FLORIDA

PROJECT	51424	DATE	1/17/2024
SCALE	CS	FILED	NTS
PROJECT	C37/D	DATE	02/20/21
PROJECT	TB / LP	SHEET	2 OF 6

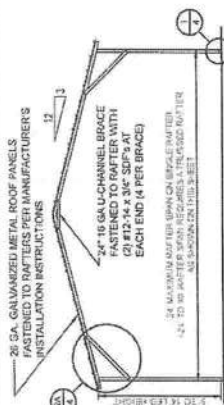
BECHTOL ENGINEERING AND TESTING, INC.
CORPORATION, 20210 N.W. 10th Avenue, Suite 100, Fort Lauderdale, FL 33304
SHEETS PROVIDED BY THE CLIENT



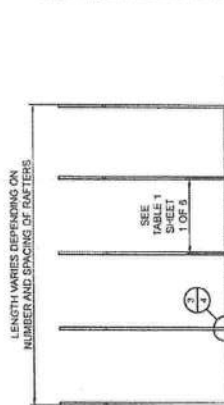
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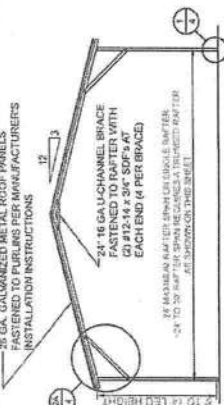
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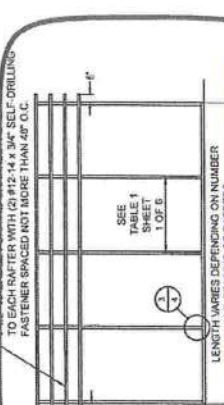
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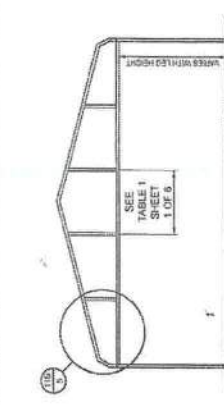
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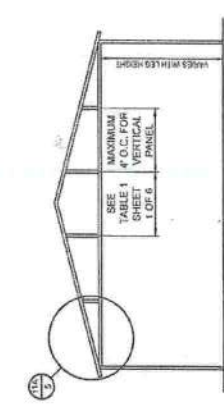
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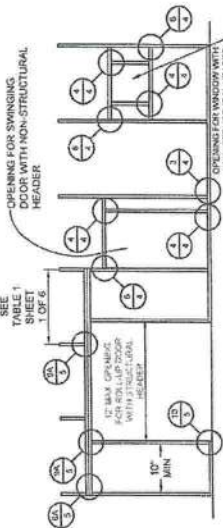
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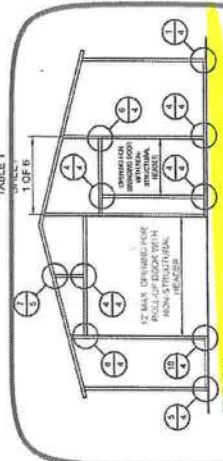
TYPICAL BOW RAFTER GABLE END FRAMING PLAN
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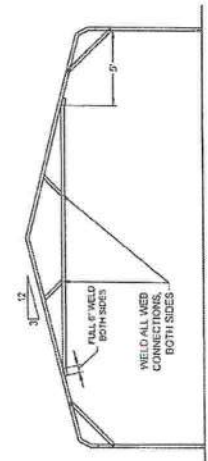
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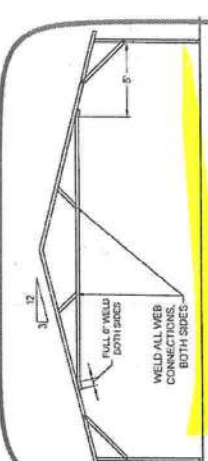
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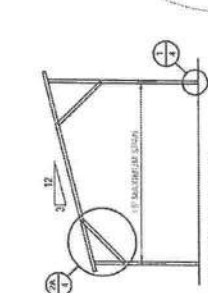
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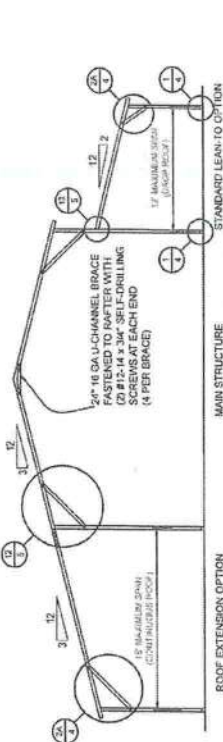
OPTIONAL 24'-1" TO 30' TRUSSED RAFTER - BOW
NOT TO SCALE



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



FREESTANDING LEAN-TO FRAMING PLAN
NOT TO SCALE



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

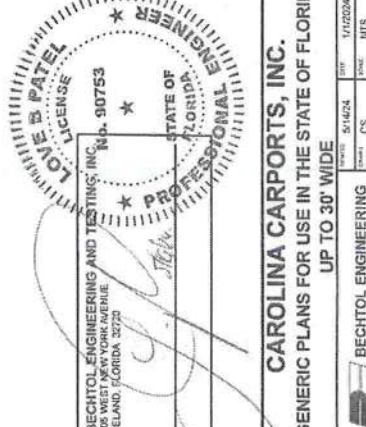
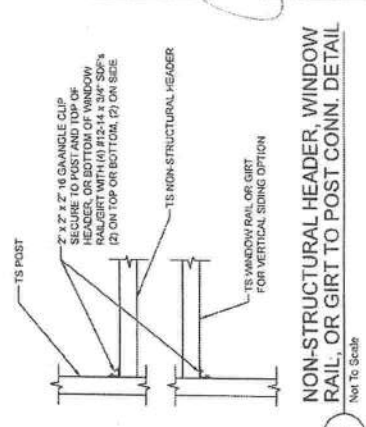
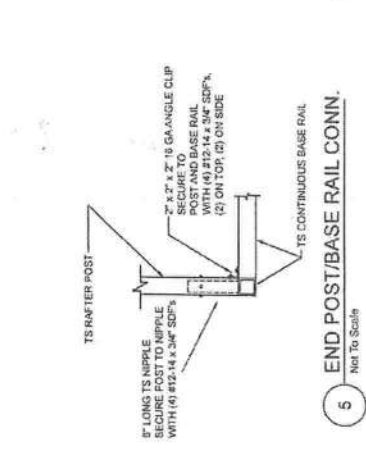
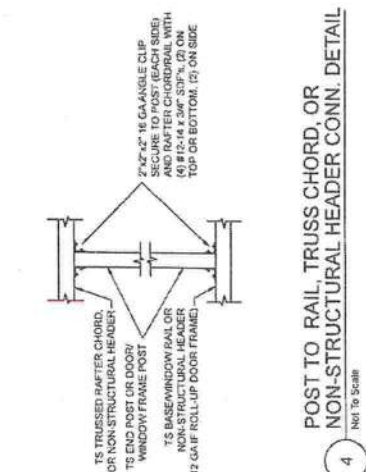
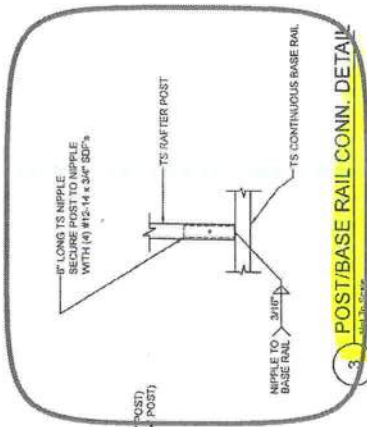
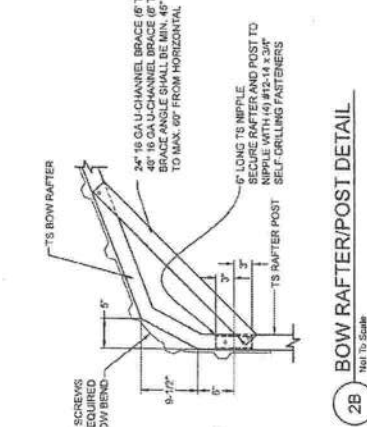
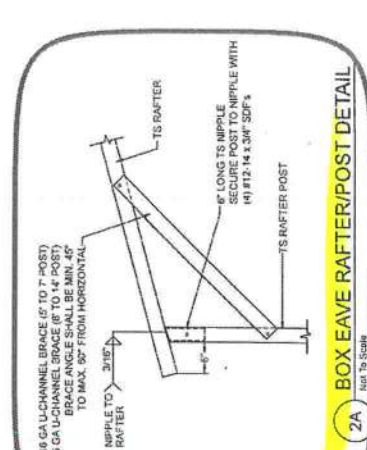
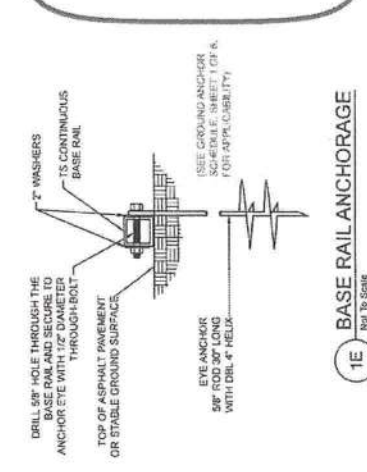
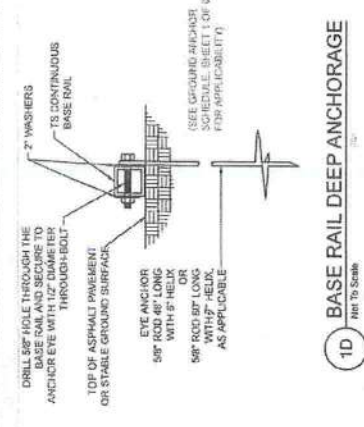
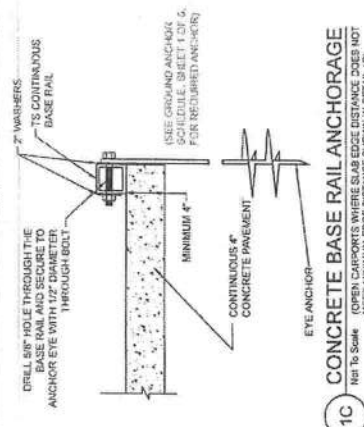
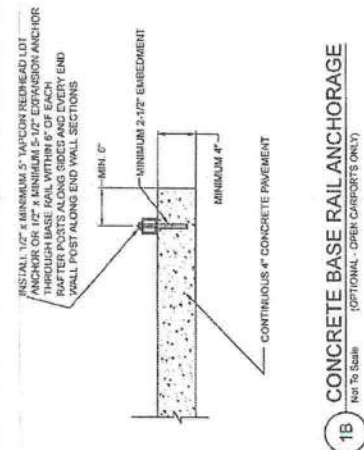
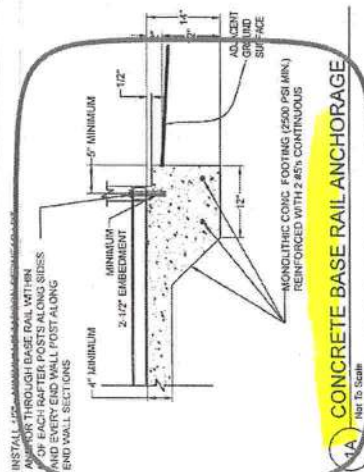
BECHTOL ENGINEERING AND TESTING, INC.
605 WEST NEW YORK AVENUE
DELAND, FLORIDA 33508

PROFESSIONAL ENGINEER
No. 90753
STATE OF FLORIDA

CAROLINA CARPORTS, INC.
GENERIC PLANS FOR USE IN THE STATE OF FLORIDA
UP TO 30' WIDE

BECHTOL ENGINEERING AND TESTING, INC.
605 WEST NEW YORK AVENUE
DELAND, FLORIDA 33508

REVISION: 5/14/24
DATE: 1/1/2024
SHEET: 2 OF 8

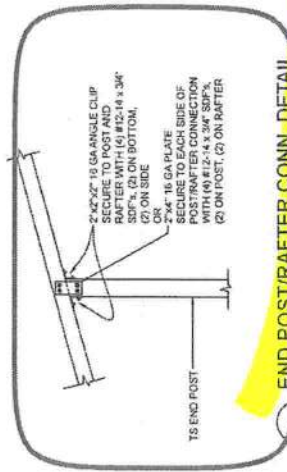




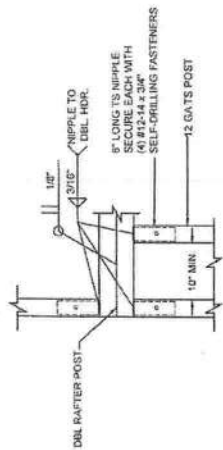
BECHTOL ENGINEERING AND TESTING, INC.
 405 WEST 74TH STREET
 ELIZABETH, NEW YORK 07208

BECHTOL ENGINEERING
 11/1/2006
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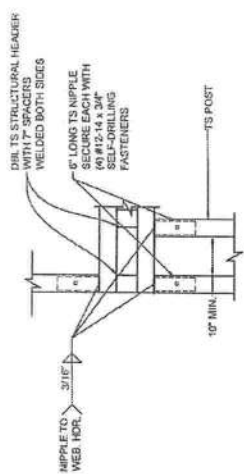
CAROLINA CARPOTS, INC.
 GENERIC PLANS FOR USE IN THE STATE OF FLORIDA
 UP TO 30' WIDE



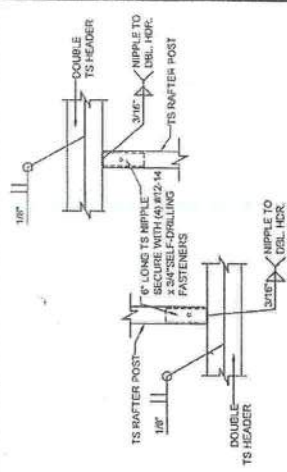
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END POST/RAFTER CONN. DETAIL
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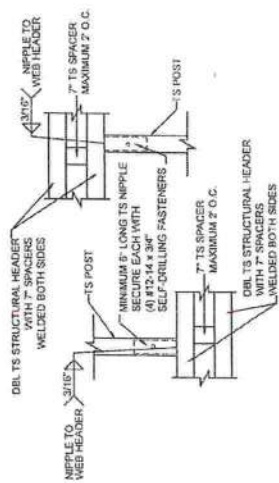
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RAFTER POST/DBL. HEADER DETAIL
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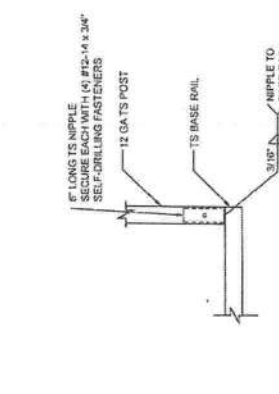
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RAFTER POST/WEB HEADER DETAIL
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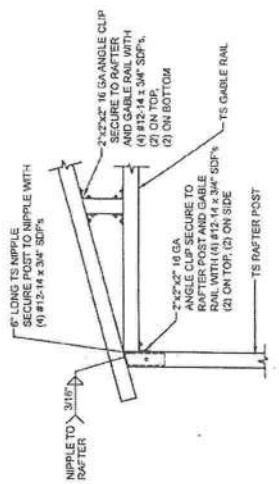
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RAFTER POST/HEADER DETAIL
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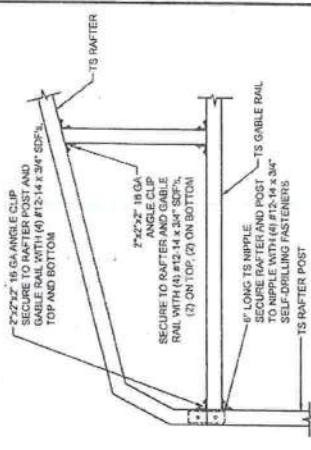
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STRUCTURAL HEADER TO POST CONNECTION DETAIL
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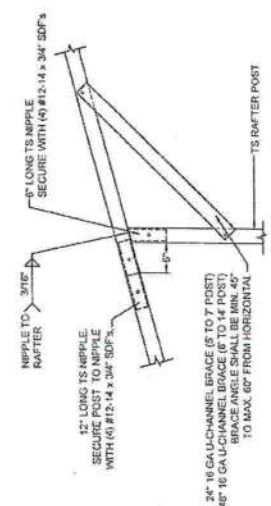
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FRAMEOUT/ROLL UP POST / BASE RAIL CONN. DETAIL
Not To Scale



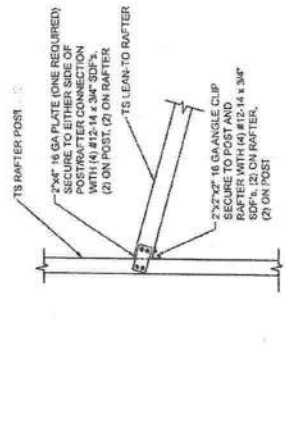
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GABLE RAIL TO RAFTER POST CONNECTION DETAIL
Not To Scale



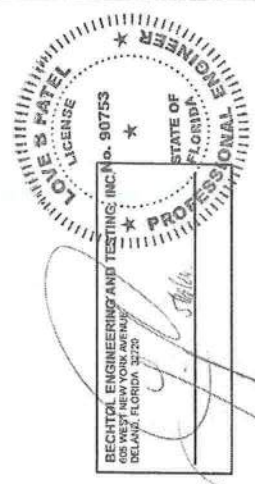
11B
GABLE RAIL TO RAFTER POST CONNECTION DETAIL
Not To Scale



12
SIDE EXTENSION RAFTER/POST DETAIL
Not To Scale



13
POST / LEAN-TO RAFTER CONN. DETAIL
Not To Scale



CAROLINA CARPORTS, INC.

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

PROJECT	514294	DATE	11/2024
DESIGN	CS	BY	NTS
REVISION	CS / ID	DATE	02/05/21
APPROVED	TS / LP	DATE	SHEET 3 OF 6



BECHTOL ENGINEERING
AND TESTING, INC.
10000 W. CENTRAL AVENUE
SUITE 100
FORT WORTH, TEXAS 76107
TEL: 817.335.1111
WWW.BECHTOL.COM

