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

69	26 gauge	4.0	ઝ	82 10 132	B, C OR D 105 TO 170	B, C OR D
SPACING	METAL PANELS					
AVERAGE FASTENER SPACING ON-CENTERS ALONG RAFTERS OR PURLINS, AND POSTS OR GIRTS (INCHES)	AVERAGE FASTENER ON-CENTERS ALONG F PURLINS, AND POSTS (INCHES)	MAXIMUM POST/RAFTER SPACING (FEET)	MAXIMUM GROUND SNOW LOAD	MIND SPEED (MPH)	ULTIMATE WIND SPEED (MPH)	WIND EXPOSURE CATEGORY

selections the dependence of the control of the control of the control and washer, and for the control of \$12-14 x \$\frac{1}{2}\$ self-drilling screws without control and washer, as \$1.5 self-drilling screws without control and washer, as \$1.5 self-drilling screws and pool slopes of 7 to \$2.5 self-drilling screws and pool slopes of 7 to \$2.5 self-drilling screws and \$1.5 self-drilling screws without control sed washer.

HVHZ APPROVAL	MANUFACTURER	SUB CATEGORY	PRODUCT CATEGORY   SUB CATEGORY   MANUFACTURER
	APPROVED PRODUCTS LIST	APPROVED	
to and/or slopes	27 degrees (1.5:12 to 6:12 pitch). Spacing requirements for other roof heights and/or slopes may vary.	to 6:12 pitch). Specing	27 degrees (1.5:12 may vary.

							_	_		_		-	
Brow	MOM		DODGO	EXTERIOR	DATEG	STRUCTURES	STRUCTURAL		STRUCTURAL		STRUCTURAL	PRODUCT	
SWODDAW	WINDOWS		EXTERNOR DOORS	ENTERIOR DOORS	ECTURAGE DOORS	STRUCTURAL COMPONENTS	STRUCTURAL COMPONENTS		STRUCTURAL COMPONENTS		STRUCTURAL COMPONENTS	PRODUCT CATEGORY	
SINCLE HUNG	SINGLE HUNG		MCT-The	SWINGING	SRINGING	LTOOK ADUL	FLOOD VENTS	The second secon	STRUCTURAL WALL		RDOF DECK	SUB CATEGORY	APPROVED
APPLE FASTENERS, INC. Series Storage Shed	NEW WINDOWS AND DOORS Model 185 SH	12" x 8" 25 Ga. Steel Door 8" x 8" 25 Ga. Steel Door 16" x 8" 25 Ga. Steel Door 10" x 8" 25 Ga. Steel Door	CAROLINA CARPORTS, INC. 26 Ga. Steel Roll Up Sheet Door	POCAHONTAS ALUMBAUM Co., INC. DD 100	EUGIR DOOR AND METAL COMPANY Series 402-14 Series 407	DATE MODEL CORNAL &	RUDOD FLAPS, LLC 7x16 Flood Flap	26 Ca. PBR Wall Parent	CAROLINA CARPORTS, INC. 26 Co. AC Walt Panel 29 Co. AC, Walt Fonel 25 Co. Dutch Lap Wall Panel 29 Co. Dutch Lap Wall Panel	25 Ga. PBR Roof Panel	CARCUNA CASPORTS, INC. 26 Ga. AG Roof Pamel 29 Ga. AG Roof Pamel	MANUFACTURER	APPROVED PRODUCIS LIST
ĕ	õ	8888	8	ē	88	Мо	М	NO	8888	NO	88	ZHWH	
02/09/21 FL21990.1-R1	11/27/20 FL17499.1-R8	FL16806.2-R5 FL16806.3-R5 FL16806.4-R5	05/07/22 FL41335.1-R1	08/16/22 FL12903.1-R7	02/28/21 FL17996.3-R2 FL17966.5-R2	02/28/21 FL29022.1-R1	11/04/21 FL17381,1-R4	FL42077.1-RD	12/15/20 FL8702.1-R6 FL8702.2-R6 FL8702.3-R6 FL8702.4-R6	FL42076,1-80	12/15/20 FL6596.1-R6 FL6596.2-R6 O6/20/23	No. & DATE	

NOTE: THE HIGH VELOCITY HURRICANE ZONE (HVHZ) INCLUDES BROWARD & DADE COUNTES

#### GENERAL NOTES:

HESE PANSA PERIAN (AUT TO THE STRUCTURE, INCLUDING MAN WIND FORCE RESISTING SYSTEM (MARTS), CAMPORENTS AND GLACIONG, AND 98SE BAL ANDROMAZE, OTHER DESIGN ISSUES, INCLUDING, BOT NOT LINITED TO, PLIMENING, ELECTRICAL, INGRESS/TORIESS, PROPERTY SET-BACKS, OR OTHER LOCAL ZONING REQUIREMENTS ARE THE RESPONSIBILITY OF OTHERS.

HISE STRUCTURES ARE RESIGNED AS UTILITY/STORAGE BULDINGS CAPABLE OF SUPPORTING THE DEAD LOAD OF THE STRUCTURE AND APPLICABLE LIVE AND WAYD LOADS, WARROUNDES NOT SPECIFICALLY ADDRESSED HEREN, WHICH EXPET ADDRIONAL LOADS ON THE STRUCTURE SHALL BE AT THE DHIRET'S RISK, CHROLINA CARPORTS SHALL NOT BE RESPONSIBILE FOR STRUCTURAL CAMAGE OR FALURE DUE TO THE APPLICATION OF ADDITIONAL CADOS.

ALL STEEL TUBING SHALL BE 55 KSI STEEL OR BETTER. ALL METAL PANELS SHALL BE BO KSI STEEL OR BETTER.

FISTEN METAL ROOF AND WALL PANELS TO FRAMING WITH  $\frac{2}{3}12^n$  x  $\frac{3}{4}^n$  SELF DRILLING FASTENERS WITH CONTROL SEAL WISHERS AT AN AVERAGE SPACING OF  $\frac{3}{3}^n$  FOR 29 CAUGE PANELS.

ALL WELDED CONNECTIONS SHALL BE SHOP WELDED UNLESS NOTED DTHERWISE. ALL FIELD CONNECTIONS SHALL BE #12 x 2" SELF DRILLING FASTENERS (SDF) UNLESS NOTED OTHERWISE

POROMA MANDER BRUIERLINTS; HETALL HULLEL MADIGIS WITHIN 6" OF EACH CORRECT FOOT 440, A K. ANNAUM, SPACING OF 25 MADIG THE BREE VALUE THE BASE RAIL, HOLDING, 14A THEOLOGIS WIND ROOS WERE NOT REQUIRED FOR CONCRETE FOOTING AND/OR CONCRETE SUBB CONSTRUCTION.

CONCRETE ANCHORS SHALL BE SIMPSON STRONG—TIE TITEN HD SCREW ANCHOR OR AN APPROVED EQUAL

POST/RAFTER BRACING: BRACE ON EVERY POST/RAFTER CONNECTION, EXCEPT FOR END WALLS AND HEADERS VIDE LONGITUDINAL BRACING ON TOP OF THE BOTTOM CHORD OF THE ROOF TRUSS FOR THE FULL LENGTH OF THE BUILDING AS INDICATED. SSORES FOR USE W EXTREMOR WALL CONSTRUCTION AND NOT DIFECTLY EXPOSED TO THE WEATHER SHALL BE CALVANIZE. A 153, CLASS P-2 METAL PLATE CONNECTORS, SCREWS, BOLTS AND MALE SPOSED DRECTLY TO THE WEATHER SHALL T DIPED CALVANIZED.

## STANDARD BUILDING

#### 50 ft SPAN DETAILS

LIGHT FRAME CONSTRUCTION

NOTE: USE ② 2 × 2 14 GG.

O 2 × 2 12 GG.

STEEL TUBE FOR ALL FRAME AND BASE RAIL MEMBERS UNLESS OTHERWISE SHOWN.

#### CAROLINA CARPORTS INC.

TOLL FREE 1-800-670-4262 LOCAL 336-367-6400 DOBSON, NC 27017 FAX 336-367-6410 P.O. BOX 1263

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## METAL CARPORT INSTALLATION PLANS AND DETAILS

FRAMING AND FASTENER SPECIFICATIONS

CAROLINA CARPORTS, INC 187 Cardinal Ridge Trail DOBSON, NORTH CAROLINA 27017

Dep OWNER IS RESPONSIBLE FOR OBTAINING A DING PERMIT, IF NEEDED, AND FOR COMPLYING ALL LOCAL BUILDING CODE REQUIREMENTS. O CERTIFY THAT THE CALCULATIONS AND SPECIFICATIONS HAVE BEEN PREPARED BY THE UNDERSIGNED PROFESSIONAL HAVE BEEN PROPAGED BY THE UNDERSIGNED PROFESSIONAL HAVE BEEN ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDAL BUILDING CODE 2021 AND SECTION 1809 OF THE FLORIDAL CODE, EIGHTH EDITION (2023). THE PLANS ARE VALID UNTIL CODE, EIGHTH EDITION (2023). THE PLANS REVISION OF THE FLORIDA BUILDING CODE

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CONCRETE SHALL HAVE A MINMUM SPECIFED COMPRESSIVE STRENGTH OF JODQ PSI AT 28 DAYS OR AS REQUIRED RY LOCAL BUILDING CODE. THE USE OF HIGHER STRENGTH CONCRETE IS ACCEPTABLE.

COVER OVER RENFORCING STEEL:
WHERE CONCRETE IS CAST ACAINST AND PERMANENTLY IN CONTACT

THE EARTH OR EXPOSED TO THE EARTH OR WEATHER AND

PERMORCING STEEL SHALL BE MINIMUM GRADE 40. THE USE OF THE REINFORCED CONCRETE (FRC) OR WELDED WIRE FABRIC (WWF)

CONCRETE INFORMATION AND DETAILS SHOWN IN THESE PLANS ARE FOR INFORMATION ONLY. THE COMPRETE SLAB AND FOLINDATION ARE BY OTHERS, THE OWNER IS RESPONSIBLE FOR PROVIDING A SUITABLE BY OTHERS, THE PREPAGED STRUCTURE AND COORDINATING CONCRETE STREAMSH AND FOLINDATION DEPTH REQUIREMENTS WITH THE LOCAL BUILDING CODE OFFICIALS.

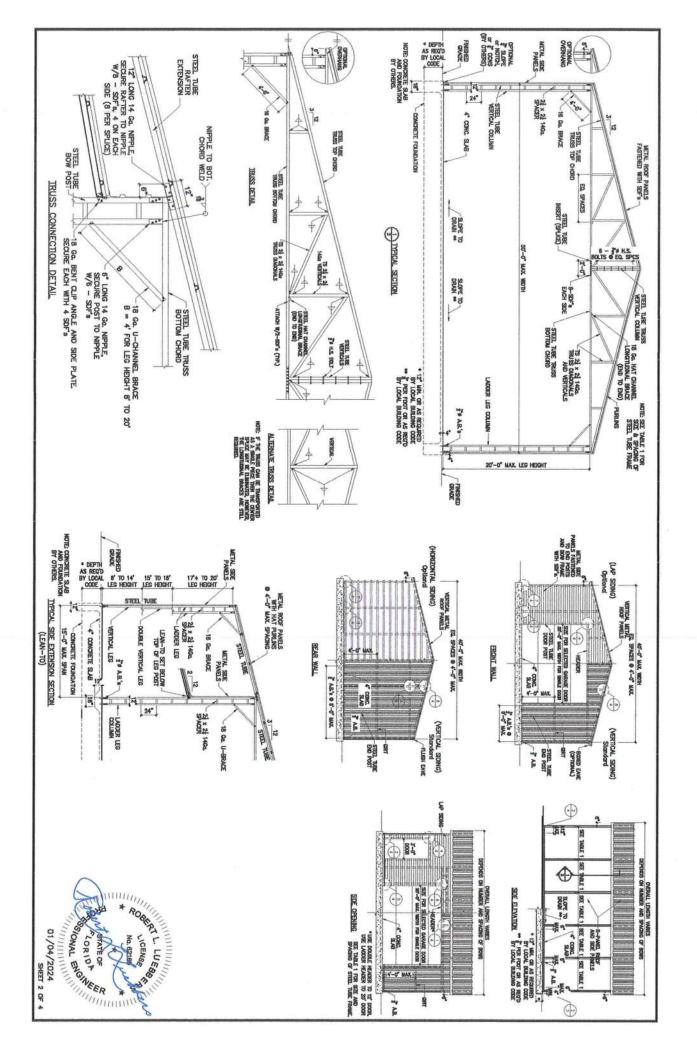
CONCRETE FOUNDATION DESIGN RECOMMENDATIONS:

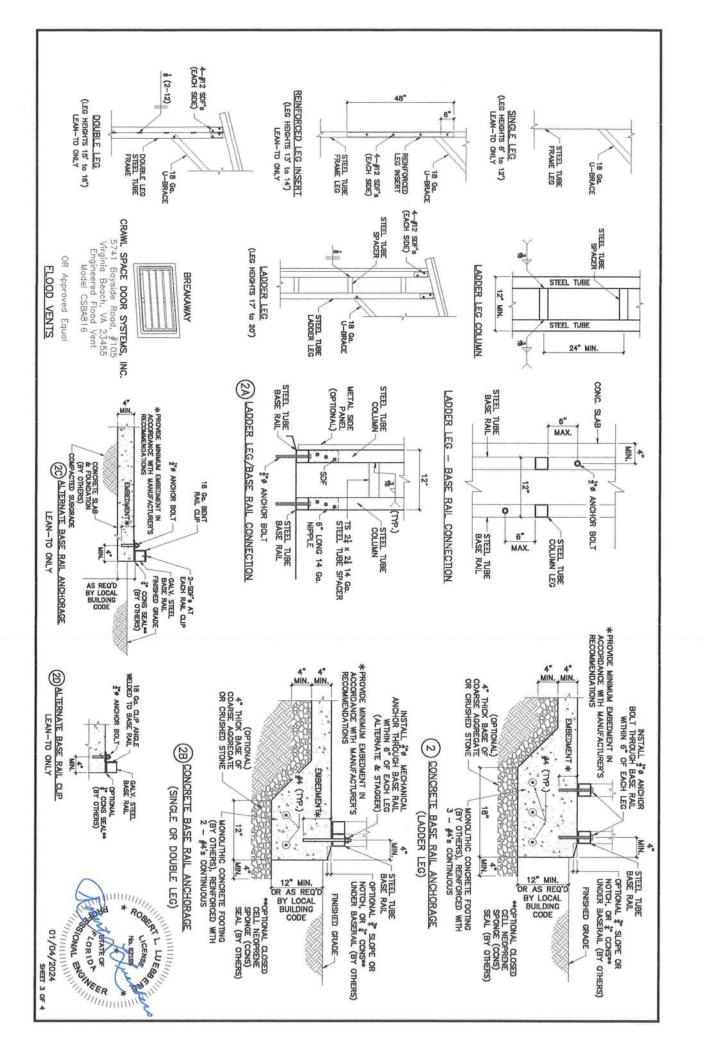
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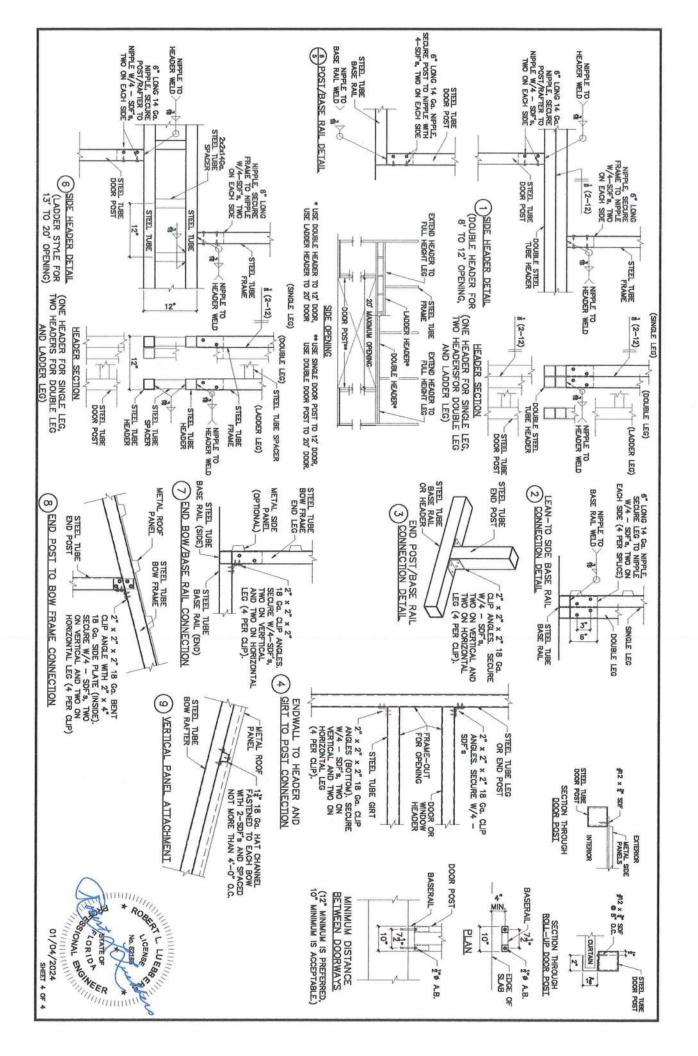
MIN. DEAD LOAD  MIN. ROOF LIVE LOAD  MIN. ROOF LIVE LOAD  GROUND SHOW LOAD  GROUND SHOW LOAD  GROUND SHOW LOAD  LUTIMATE WIND SPEED  EXPOSURE DATEOORY  EXPOSURE DATEOORY
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SONAL ENGINEERS







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

6	26 gauge	4.0	30	82 TO 132	B, C OR D 105 TO 170 82 TO 132	B, C OR D
SPACII	METAL PANELS	,				
FASTENER SPACING ALONG RAFTERS OR ND POSTS OR GIRTS (INCHES)	AVERAGE FASTENER SPACING ON-CENTERS ALONG RAFTERS OF PURLINS, AND POSTS OR GIRTS (INCHES)	MAXIMUM POST/RAFTER SPACING (FEET)	MAXIMUM GROUND SNOW LOAD (PSF)	NOMINAL WIND SPEED (MPH)	ULTIMATE WIND SPEED (MPH)	WIND EXPOSURE CATEGORY

NOTES: Specifications applicable to 26 or 29 gauge metal panels fastened directly to 12 or 14 gauge steel tube bow frames.

2. Fasteners consist of #12-14 x \$\frac{7}{2}" self-drilling screws without control seal washer.

3. Specifications applicable only for mean roof height of 24 feet or less and roof slopes of 7 to 27 degrees (1.5:12 to 6:12 pitch). Spacing requirements for other roof heights and/or slopes

WINDOWS	WINDOWS		EXTERIOR DOORS	EXTERIOR DOORS	EXTERIOR DOORS	STRUCTURAL COMPONENTS	STRUCTURAL COMPONENTS		STRUCTURAL COMPONENTS		STRUCTURAL COMPONENTS	PRODUCT CATEGORY
SINGLE HUNG	SINGLE HUNG		ROLL-UP	SWINGING	SWINGING	TS FLOOD VENTS	TS FLOOD VENTS		TS STRUCTURAL WALL		S ROOF DECK	ORY SUB CATEGORY
APPLE FASTENERS, INC. Series Storage Shed	MI WINDOWS AND DOORS Model 185 SH	12' x 8' 26 Ga. Steel Door 8' x 8' 26 Ga. Steel Door 16' x 8' 26 Ga. Steel Door 10' x 8' 26 Ga. Steel Door	CAROLINA CARPORTS, INC. 26 Ga. Steel Roll Up Sheet Door	POCAHONTAS ALUMINUM Co., INC. DD 100	ELIXIR DOOR AND METAL COMPANY Series 402-14 Series 407	CRAWL SPACE DOOR SYSTEMS 8x16 Model CSBA816	FLOOD FLAPS, LLC 7×16 Flood Flap	26 Ga. PBR Wall Panel	CAROLINA CARPORTS, INC. 26 Ga. AG Wall Panel 29 Ga. AG Wall Panel 26 Ga. Dutch Lap Wall Panel 29 Ga. Dutch Lap Wall Panel	26 Ga. PBR Roof Panel	CAROLINA CARPORTS, INC. 26 Ga. AG Roof Panel 29 Ga. AG Roof Panel	MANUFACTURER
NO	No	8888	No.	No.	N N	No	No	NO	8888	NO	88	ZHVH
02/09/21 FL21990.1-R1	11/27/20 FL17499.1-R8	FL16806.3-R5 FL16806.4-R5	06/07/22 06/07/22 FL41335.1-R1	08/16/22 FL12903.1-R7	02/28/21 FL17996.3-R2 FL17966.5-R2	02/28/21 FL29622.1-R1	11/04/21 FL17381.1-R4	FL42077.1-R0	12/15/20 FL6702.1-R6 FL6702.2-R6 FL6702.3-R6 FL6702.4-R6	FL42078.1-R0	12/15/20 FL6596.1-R6 FL6596.2-R6	APPROVAL No. & DATE

NOTE: THE HIGH VELOCITY HURRICANE ZONE (HVHZ) INCLUDES BROWARD & DADE COUNTIES

#### GENERAL NOTES:

THESE PLANS PERTAIN ONLY TO THE STRUCTURE, INCLUDING MAIN WIND FORCE RESISTING SYSTEM (MWFRS), COMPONENTS AND CLADDING, AND BASE RAIL ANCHORAGE. OTHER DESIGN ISSUES, INCLUDING, BUT NOT LIMITED TO, PLUMBING, ELECTRICAL, INGRESS/EGRESS, PROPERTY SET-BACKS, OR OTHER LOCAL ZONING REQUIREMENTS ARE THE RESPONSIBILITY OF OTHERS.

THESE STRUCTURES ARE DESIGNED AS UTILITY/STORAGE BUILDINGS CAPABLE OF SUPPORTING THE DEAD LOAD OF THE STRUCTURE AND APPLICABLE LIVE AND WIND LOADS. IMPROVEMENTS NOT SPECIFICALLY ADDRESSED HEREIN, WHICH EXERT ADDITIONAL LOADS ON THE STRUCTURE SHALL BE AT THE OWNER'S RISK. CAROLINA CARPORTS SHALL NOT BE RESPONSIBLE FOR STRUCTURAL DAMAGE OR FAILURE DUE TO THE APPLICATION OF ADDITIONAL LOADS.

ALL STEEL TUBING SHALL BE 55 KSI STEEL OR BETTER. ALL METAL PANELS SHALL BE 80 KSI STEEL OR BETTER.

FASTEN METAL ROOF AND WALL PANELS TO FRAMING WITH #12" x \{ \}" SELF DRILLING FASTENERS WITH CONTROL SEAL WASHERS AT AN AVERAGE SPACING OF 8" FOR 29 GAUGE PANELS AND 6" FOR 26 GAUGE PANELS.

ALL FIELD CONNECTIONS SHALL BE #12 x 3" SELF DRILLING FASTENERS (SDF) UNLESS NOTED OTHERWISE

ALL WELDED CONNECTIONS SHALL BE SHOP WELDED UNLESS NOTED OTHERWISE

GROUND ANCHOR REQUIREMENTS: INSTALL HELICAL ANCHORS WITHIN 6" OF EACH CORNER POST AND AT A MAXIMUM SPACING OF 25' ALONG THE BASE RAIL. INSTALL GROUND RODS (#4 THREADED REBAR) BETWEEN THE HELICAL ANCHORS AT A MAXIMUM SPACING OF 5' AND A MINIMUM SPACING OF 4' ALONG THE BASE RAIL. HELICAL ANCHORS AND GROUND RODS. ARE NOT REQUIRED FOR CONCRETE FOOTING AND/OR CONCRETE SLAB CONSTRUCTION.

CONCRETE ANCHORS SHALL BE SIMPSON STRONG-TIE TITEN HD SCREW ANCHOR OR AN APPROVED EQUAL

POST/RAFTER BRACING: BRACE ON EVERY POST/RAFTER CONNECTION, EXCEPT FOR END WALLS AND HEADERS

PROVIDE LONGITUDINAL BRACING ON TOP OF THE BOTTOM CHORD OF THE ROOF TRUSS FOR THE FULL LENGTH OF THE BUILDING AS INDICATED.

GALVANIZATION: METAL ACCESSORIES FOR USE IN EXTERIOR WALL CONSTRUCTION AND NOT DIRECTLY EXPOSED TO THE WEATHER SHALL BE GALVANIZED IN ACCORDANCE WITH ASTAM A 153, CLASS B-2. METAL PLATE CONNECTORS, SCREWS, BOLTS AND NAILS EXPOSED DIRECTLY TO THE WEATHER SHALL BE STAINLESS STEEL OR HOT DIPPED GALVANIZED.

## STANDARD BUILDING

#### 50 ft SPAN DETAILS

## LIGHT FRAME CONSTRUCTION

NOTE: USE  $\bigcirc$   $2\frac{1}{2}$ "  $\times$   $2\frac{1}{2}$ " 14 Ga. STEEL TUBE FOR ALL FRAME AND BASE RAIL MEMBERS UNLESS OTHERWISE SHOWN. O24" × 24" 12 Ga.



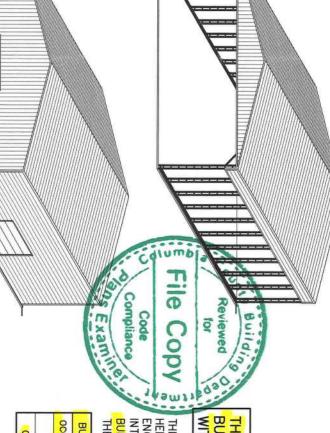
#### CAROLINA CARPORTS INC. P.O. BOX 1263

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# METAL CARPORT INSTALLATION PLANS AND DETAILS

# FRAMING AND FASTENER SPECIFICATIONS



### CAROLINA CARPORTS, INC.

DOBSON, NORTH CAROLINA 27017 187 Cardinal Ridge Trail

BUILDING PERMIT, IF NEEDED, AND FOR COMPLYING WITH ALL LOCAL BUILDING CODE REQUIREMENTS. 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 THE
INTERNATIONAL BUILDING CODE 2021 AND SECTION 1609 OF THE FLORIDA OWNER IS RESPONSIBLE FOR OBTAINING A

DING CODE, EIGHTH EDITION (2023). THE PLANS ARE VALID UNTIL

NEXT REVISION OF THE FLORIDA BUILDING CODE.

28	CONSTRUCTION TYPE
U or S	USE GROUP
=	OCCUPANCY CATEGORY
RMATIO	BUILDING CODE INFORMATION

MIN. FLOOR LIVE LOAD | 125 PSF

5 PSF

DESIGN LOADS MIN. DEAD LOAD

MIN. ROOF LIVE LOAD

0 20 PSF PSF

SNOW Is	WIND IW	IMPORTANCE FACTORS	CONSTRUCTION TYPE	USE GROUP
1.0	1.0	TORS	28	U or S

1.0	SNOM IS
CTORS	IMPORTANCE FACTORS

MAX. ULTIMATE WIND SPEED MIN. ULTIMATE WIND SPEED MAX. GROUND SNOW LOAD MIN. GROUND SNOW LOAD

TABLE

EXPOSURE CATEGORY

EARTHQUAKE le	SNO	WIW	IMPORIANCE FACTORS
Ε̈́e	SNOW Is	WIND Iw	FACT
1.0	1.0	1.0	CK.

the purpose of These plans have obtaining a building been provided for

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CONCRETE FOUNDATION DESIGN RECOMMENDATIONS:

#### Beryl Sanders

permit for:

321 SW Greenwood Terrace

Fort White

Zip: 32038

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SHEET 1 OF 4

REINFORCING STEEL:
THE REINFORCING STEEL SHALL BE MINIMUM GRADE 40. THE USE OF FIBER REINFORCED CONCRETE (FRC) OR WELDED WIRE FABRIC (WWF)

ACCEPTABLE.

ELSEWHERE

COVER OVER REINFORCING STEEL:
MINIMUM CONCRETE OVER REINFORCING BARS SHALL BE 3 INCHES
WHERE CONCRETE IS CAST AGAINST AND PERMANENTLY IN CONTACT

WITH THE EARTH OR EXPOSED TO THE EARTH OR WEATHER AND 13."

CONCRETE SHALL HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS OR AS REQUIRED BY LOCAL BUILDING CODE. THE USE OF HIGHER STRENGTH CONCRETE IS ACCEPTABLE.

