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

		4.0 (12 Ga.)	65				
00	29 Gauge	4.0	45	85 TO 112	105 TO 140 85 TO 112	B OR C	
		5.0	35				
SPACING	METAL PANELS						
AVERAGE FASTENER SPACING -CENTERS ALONG RAFTERS OF JRLINS, AND POSTS OR GIRTS (INCHES)	AVERAGE FASTENER SPACING ON-CENTERS ALONG RAFTERS OR PURLINS, AND POSTS OR GIRTS (INCHES)	MAXIMUM POST/RAFTER SPACING (FEET)	MAXIMUM GROUND SNOW LOAD (PSF)	NOMINAL WIND SPEED (MPH)	ULTIMATE NOMINAL WIND SPEED WIND SPEED (MPH)	WIND EXPOSURE CATEGORY	

NOTES: 1. Specifications

Specifications applicable to 29 gauge metal panels fastened directly to 12 or 14 gauge steel tube box frames.
 Fasteners consist of #12 x ½" self-drilling screws with control seal washers.
 Specifications applicable only for mean roof height of 24 feet or less and roof slopes of 7 to 27 eagrees (1.5.17 to 6:12 pitch). Spacing requirements for other roof heights and/or slopes may vary.

BOW/RAFTER FRAME. END TABLE POST, 1 (HIGH WIND REGION) GROUND ANCHOR AND SPECIFICATIONS PANEL FASTENER SPACING

NOTES: 1. S	B, C OR D	B OR C		WIND EXPOSURE CATEGORY
specifications of	B, C OR D 151 TO 170 122 TO 136	B OR C 141 TO 150 113 TO 121		ULTIMATE WIND SPEED (MPH)
applicable to 2	122 TO 136	113 TO 121		WIND SPEED WIND SPEED (MPH)
29 gauge and	20	30		MAXIMUM GROUND SNDW LOAD (PSF)
26 gauge m	4.0	4.0		MAXIMUM POST/RAFTER SPACING (FEET)
NOTES: 1. Specifications applicable to 29 cauge and 26 gauge metal panels fastened directly to	26 Gauge	29 Gauge	METAL PANELS	AVERAGE FASTENER SPACING DN-CENTERS ALONG RAFTERS OR PURLINS, AND POSTS OR GIRTS (INCHES)
d directly to	6	80	SPACING	AVERAGE FASTENER SPACING -CENTERS ALONG RAFTERS OR JRLINS, AND POSTS OR GIRTS (INCHES)

12 or 14 gauge steel tube bow frames.

2. Fasteners consist of £12 x 2 self-drilling screws with control seal washer.

3. Specifications applicable only for mean roof height of 24 feet or less and of 7 to 27 degrees (1.5.12 to 6.12 pitch). Spacing requirements for other heights and/or slopes may vary. roof slopes

GENERAL NOTES:

HESE PLANS PERTAN ONLY TO THE STRUCTURE, INCLIDING MAIN WIND FORCE RESISTING SYSTEM (MARRS), COMPONENTS AND CLADDING, AND BASE RAIL ANCHORAGE OTHER DESON ISSUES, INCLUDING, BUT DOT LIMITED TO, PLUMBHO, ELECTRICAL INGRESS/EGRESS, PROPERTY SET—BACKS, OR OTHER LOCAL ZOMING REQUIRBAISTIS 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 WHOL LOADS, IMPROVEMENTS NOT SPECIALLY ADDRESSED HEREIN, WHICH EXERT ADDITIONAL LOADS ON THE STRUCTURE ALL BE AT THE OWNER'S RESK CARCIUM, CAPORTS 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 AVERACE SPACING OF 8" FOR 29 GAUGE PANELS AND 6" FOR 26 GAUGE PANELS.

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

ALL WELDED CONNECTIONS SHALL BE SHOP WELDED UNLESS NOTED OTHERWISE

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

CONCRETE EXPANSION ANCHORS SHALL BE ITW RAMSET/REDHEAD TRUBOLT WEDGE ANCHOR, WEJ-IT ANKR-TITE MODEL AT1252, OR SLEEVE ANCHOR MODEL HSA 1260, OR APPROVED EQUAL.

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

CALVANIZATION: METAL ACCESSORES FOR USE IN EXTENDR WILL CONSTRUCTION AND NOT DIRECTLY EXPOSED TO THE WEATHER SHALL BE CALVANIZED IN ACCORDANCE WITH ASIA, CLASS B-2. METAL PLATE COMMECTORS, SCREWS, AND NAILS EXPOSED DIRECTLY TO THE WEATHER SHALL BE STAINLESS STEEL OR HOT DIPPED CALVANIZED. BOLTS

STANDARD CARPORT 26 ft to 30 ft SPAN DETAILS

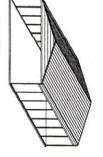


CAROLINA CARPORTS INC. TOLL FREE 1-800-670-4262 LOCAL 336-367-6400 DOBSON, NC 27017 P.O. BOX 1263

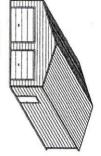
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NOTE: USE 0 24" × 24" 14 Ga. STEEL TUBE FOR ALL FRAME AND BASE RAIL MEMBERS UNLESS OTHERWISE SHOWN.



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CONCRETE FOUNDATION DESIGN RECOMMENDATIONS:

CONCRETE SLAB AND FOUNDATION ARE BY OTHERS.
COORDINATE CONCRETE STRENGTH AND FOUNDATION DEPHREQUIREMENTS WITH THE LOCAL BUILDING CODE OFFICIALS.
THE OWNER IS RESPONSIBLE FOR PROVIDING SUTURE.
SUTURALE FOUNDATION FOR THE PROPOSED STRUCTURE.

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

CONKE OWER REMIDIORING STEEL:
MAINIUM CONCRETT OVER REMOTORING BARS SHALL BE 3
MORES WHERE CONCRETE IS CAST ACAINST AND
THE EARTH OR MEATHER AND 1½" ELSEWHERE.

REINFORCING STEEL:
THE REINFORCING STEEL SHALL BE MINIMUM GRADE 40.

METAL CARPORT INSTALLATION PLANS AND DETAILS AND

FRAMING AND FASTENER SPECIFICATIONS

CAROLINA CARPORTS, INC

DOBSON, NORTH CAROLINA 27017 187 Cardinal Ridge Trail

THE OWNER IS RESPONSIBLE FOR OBTAINING A BUILDING PERMIT, IF NEEDED, AND FOR COMPLYING WITH ALL LOCAL BUILDING CODE REQUIREMENTS.

THIS IS TO CERTIFY THAT THE CALCULATIONS AND SPECIFICATIONS HERREN HAVE BEEN PREPARED BY THE UNDEFISIONED PROFESSIONAL ENGINEER, AND ARE IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2009, 2012, 2015 & 2018 INTERNATIONAL BUILDING CODES AND THE 2018 NORTH CARCUNA BUILDING CODE.

2000	WI DNIW	IMPORTANCE FACT	CONSTRUCTION TYPE	USE GROUP	OCCUPANCY CATEGORY	BUILDING CODE INFORMATION
0	1.0	FACTORS	58	c	-	RMATION

SEISMIC RES	m	MAX. UL	MIN. UL	WAX. C	MIN. O	E	MIN		
SEISMIC RESPONSE COEFFICIENT	EXPOSURE CATEGORY	MAX. ULTIMATE WIND SPEED	MIN. ULTIMATE WIND SPEED	MAX. GROUND SNOW LOAD	GROUND SNOW LOAD	MIN. ROOF LIVE LOAD	MIN. FLOOR LIVE LOAD	MIN. DEAD LOAD	מבטופוז בטאטט
0.500			TABLE 1			20 PSF	100 PSF	5 PSF	

een provided for	ARTHQUAKE IN 1.0	SNOW Is 0.8	D. 1
or annumen	SEISMIC RESPONSE COEFFE	EXPOSURE CATE	מסיי כרוואסור אוויים

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NO	State: NC	Coast	ity
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