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

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

NOTES: 1. Specifications applicable to 29 gauge metal panels lastened directly to 12 or 14 gauge steel tube bow frames.

2. Fasteners consist of \$272 x \frac{1}{2}\$ self-ordilling screws with control seel washers.

3. Specifications applicable only for mean roof height of 24 feet or less and roof slid of 7 to 27 degrees (15-152 to 8.12 pitch). Spacing requirements for other roof heights and/or slopes may vary.

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

WIND EXPOSURE CATEGORY	WIND SPEED WIND	NOMINAL WIND SPEED (MPH)	MAXIMUM GROUND SNOW LOAD (PSF)	MAXIMUM POST/RAFTER SPACING (FEET)	AVERAGE FASTENER SPACING ON-CENTERS ALONG RAFTERS OR PURLINS, AND POSTS OR GIRTS (INCHES)	
		1000			METAL PANELS	SPACING
B OR C	141 TO 150	113 TO 121	30	5.0	29 Gauge	8
B, C OR D	151 TO 170	122 TO 136	20	4.0	26 Gauge	6

NOTES: 1. Specifications applicable to 29 gauge and 26 gauge metal panels fastened directly 12 or 14 gauge steel tube bow frames.

2. Fastenes consist of \$12 \times itself falling screes with control seal wather.

3. Specifications applicable only for mean roof height of 24 feet or less and roof start of 7 to 27 degrees (15.12 to 6.12 pitch). Spacing requirements for other roof heights and/or slopes may vary.

THESE PLANS PERTAIN ONLY TO THE STRUCTURE, INCLUDING MAIN WIND FORCE RESISTING SYSTEM (MRFRS), COMPONENTS AND CLADONG, AND BASE RAY, AND-DORAGE, OTHER DESCON ISSUES, INCLUDING, BUT NOT LIMITED TO, PLUMBING, ELECTRONIC MORESS/CROSS, PROPERTY ST—BACKS, OR OTHER LOCA, ZONING REQUIREMENTS ARE THE RESPONSIBILITY OF OTHERS.

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

FASTEN METAL ROOF AND WALL PANELS TO FRAMING WITH \$12" x \$" SELF ORILLING 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 #" SELF DRILLING FASTENERS (SDF) UNLESS NOTED OTHERWISE. ECTIONS SHALL BE SHOP WELDED UNLESS NOTED OTHERWISE

GOURD AICHOR REQUIREMENTS, RETALL HELICA, HICKORDS WITHIN 8" OF EACH CORNER POST AND AT A MARKINIAN OF 25" ALOND FINE BARK BAIL, RETALL GROUND ROOK (\$1") THERADO FIRENDI STREETS FIRE HELICAL AMCHORD AT A MARKINIAN SPACING OF 5" AND A MINIMAN SPACING OF 5" ALOND THE BASK RAM, HELICAL ANCHORS AND GROUND ROOM BOT AND HOT THE CONTRIBUTION CONCRETE SAIL CONSTRUCTION.

CONDRETE EXPANSION ANCHORS SHALL BE ITW RAMSET/REDHEAD TRUBOLT WEDGE ANCHOR, WEJ-IT ANKR-TITE MODEL AT1252, OR SLEEVE ANCHOR MODEL HISA 1280, OR APPROVED EQUAL.

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

GALVANIZATION: METAL ACCESSORIES FOR USE IN CITERIOR WALL CONSTRUCTION AND NOT DIRECTLY EXPOSED TO THE WATER SHALL BE CALVANIZED IN ACCORDANCE WITH ASTM A 153, CLASS B-7, METAL PLATE CONNECTORS, SCREWS, BOLTS AND WALS EXPOSED EMECITY TO THE WEATHER SHALL BE STANKESS STEEL OR HOT DIPPLY GALVANIZED.

STANDARD CARPORT **DETAILS** 12 ft to 24 ft SPAN



CAROLINA CARPORTS INC. P.O. BOX 1263

DOBSON, NC 27017 TOLL FREE 1-800-670-4262 LOCAL 336-367-6400 FAX 336-367-6410

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NOTE: USE \bigcirc $2J'' \times 2J'' 14$ Go. \bigcirc $2J'' \times 2J'' 12$ Go. STEEL TUBE FOR ALL FRAME AND BASE RAIL MEMBERS UNLESS OTHERWISE SHO



ISOMETRIC.



CONCRETE FOUNDATION DESIGN RECOMMENDATION

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

METAL CARPORT INSTALLATION PLANS AND DETAILS AND

FRAMING AND FASTENER SPECIFICATIONS

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

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

	DESIGN LOADS	BUILDING CODE INFORMATION		
5 PSF	MINL DEAD LOAD		OCCUPANCY CATEGORY	
100 PSF	MIN. FLOOR LINE LOAD	U	USE GROUP	
20 PSF	MIN. ROOF LIVE LOAD	50	CONSTRUCTION TYPE	
	MIN. GROWNO SHOW LOND			
	WAX, GROUND SHOW LOAD			
TABLE 1	MIN ULTIMATE WIND SPEED	es l	IMPORTANCE FACTO	
	WAX ULTIWATE WHO SPEED	1.0	WHO Iw	
1	EXPOSURE CATEGORY	0.8	SNOW te	

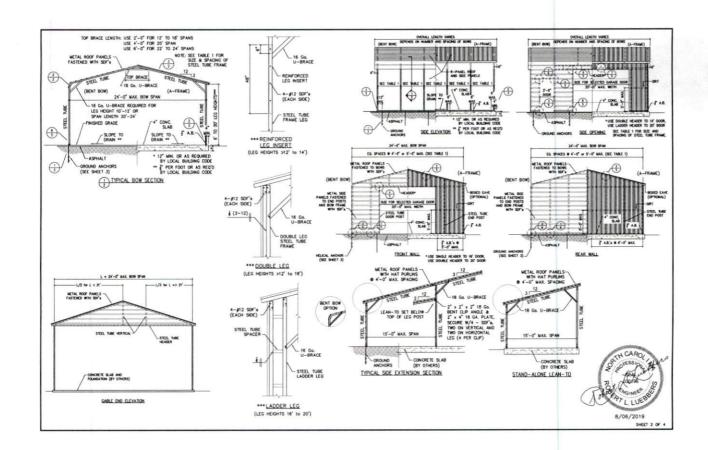
These plans have been provided for the purpose of obtaining a building permit for:

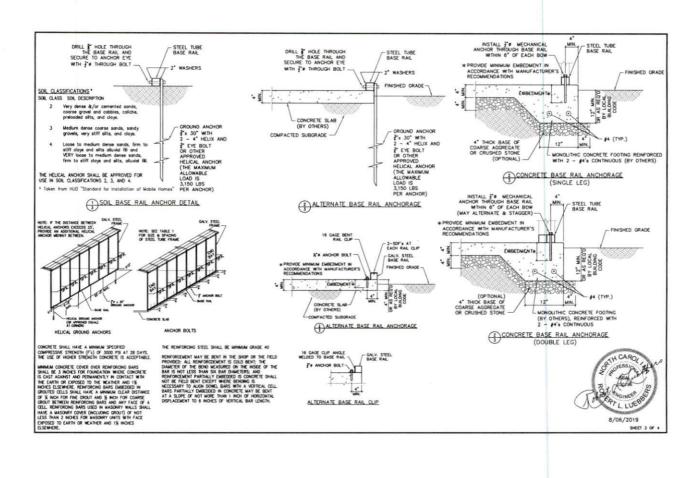
Ed Champlin 2377 Byrds Mill Rd Zie: 28339

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8/06/2019





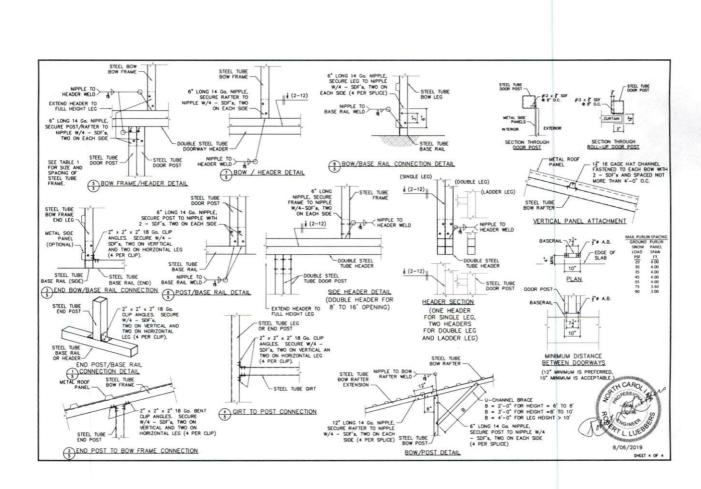


TABLE 1 BOW/RAFTER FRAME, END POST, GROUND ANCHOR AND PANEL FASTENER SPACING SPECIFICATIONS

WIND EXPOSURE CATEGORY	ULTIMATE WIND SPEED (MPH)	NOMINAL WIND SPEED (MPH)	MAXIMUM GROUND SNOW LOAD (PSF)	MAXIMUM POST/RAFTER SPACING (FEET)	AVERAGE FASTENER SPACING ON-CENTERS ALONG RAFTERS OR PURLINS, AND POSTS OR GIRTS (INCHES)	
					METAL PANELS	SPACING
B OR C	105 TO 140	85 TO 112	35	5.0	29 Gauge	
B OK C	103 10 140		65	4.0		0

NOTES: 1. Specifications applicable to 29 gauge metal panels fastened directly to 12 or 14 gauge steel tube bow frames.

- 2. Fasteners consist of $\#12 \times \frac{3}{4}$ " self-drilling screws with control seal washers.
- 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 may vary.

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

WIND EXPOSURE CATEGORY	ULTIMATE NOMINAL WIND SPEED (MPH) (MPH)		MAXIMUM GROUND SNOW LOAD (PSF)	MAXIMUM POST/RAFTER SPACING (FEET)	AVERAGE FASTENER SPACING ON-CENTERS ALONG RAFTERS OR PURLINS, AND POSTS OR GIRTS (INCHES)	
			, ,	(, ==,)	METAL PANELS	SPACING
B OR C	141 TO 150	113 TO 121	30	5.0	29 Gauge	8
B, C OR D	151 TO 170	122 TO 136	20	4.0	26 Gauge	6

NOTES: 1. Specifications applicable to 29 gauge and 26 gauge metal panels fastened directly to 12 or 14 gauge steel tube bow frames.

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- 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 may vary.

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.

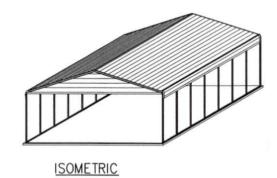
ALL STEEL TUBING SHALL BE 55 KSI STEEL OR BETTER. ALL METAL PANELS SHALL BE 80 KSI STEEL OR BETTER.

FASTEN METAL ROOF AND WALL PANELS TO FRAMING WITH #12" x 3" SELF DRILLING FASTENERS WITH CONTROL SEAL

STANDARD CARP DETAILS 12 ft to 24 ft SPA

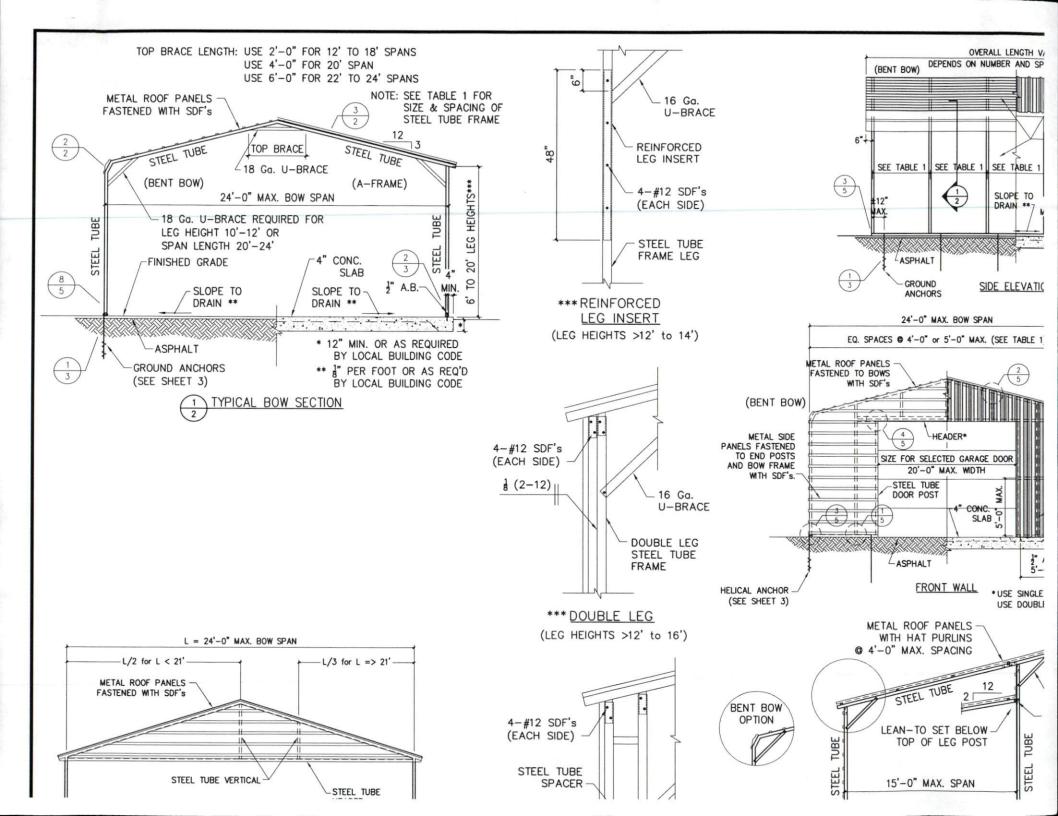
NOTE: USE \bigcirc $2\frac{1}{2}$ " \times $2\frac{1}{2}$ " 14 Ga. $2\frac{1}{4}$ " \times $2\frac{1}{4}$ " 12 Ga.

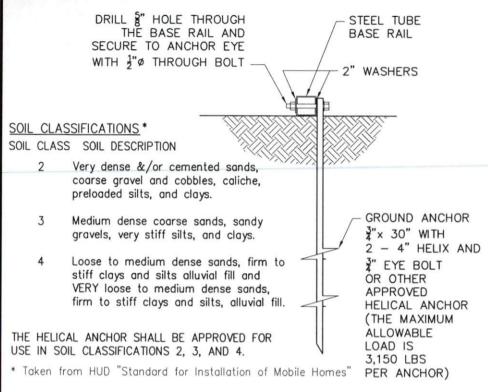
STEEL TUBE FOR ALL FRAME AND BASE RAIL MEMBERS UNLESS OTHERWISE SHOWN.



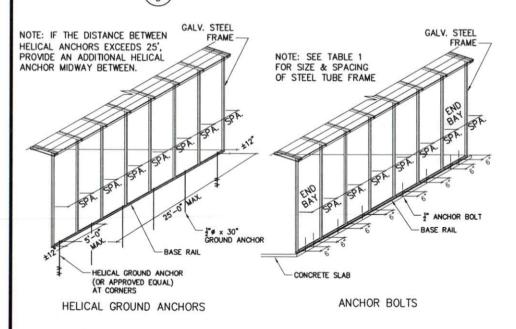


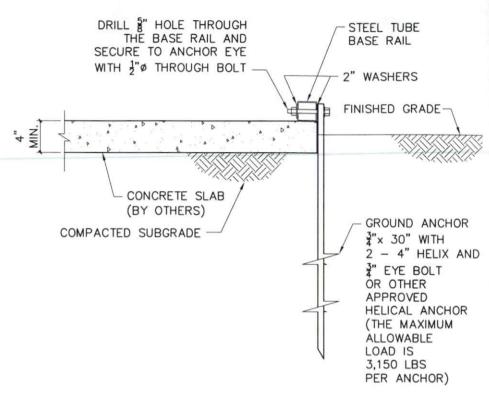
CONCRETE FOUNDATION DESIGN RECOMMENDATIONS:





SOIL BASE RAIL ANCHOR DETAIL





2 ALTERNATE BASE RAIL ANCHORAGE

