		-	4				2000	CONCRETE SECTION OF		
SPACING	FASTENER	PANEL	AND	TABLE 1 ROUND ANCHOR PECIFICATIONS	GROUN SPECI	POST,	END	FRAME,	BOW/RAFTER FRAME, END POST, GROUND ANCHOR AND PANEL FASTENER SPACING SPECIFICATIONS	

	B	T	WIND EXPOSURE CATEGORY					
	QR D		WIND POSURE TEGORY					
	B. C OR D   105 TO 140   85 TO 117		ULTIMATE WIND SPEED (MPH)					
Ŀ	6	L	A 03:					
8	85 TO		NOMINAL ED WIND SPEED (MPH)					
;	112		t) PEED					
65	35		MAXIMUM GROUND SNOW LOAD (PSF)					
4.0	5.0		MAXIMUM POST/RAFTER SPACING (FEET)					
29 gauge		METAL PANELS	AVERAGE FASTON-CENTERS ALL PURLINS, AND F					
œ		SPACING	AVERAGE FASTENER SPACING ON-CENTERS ALONG RAFTERS OR PURLINS, AND POSTS OR GIRTS (INCHES)					

- 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{1}{2}\$ 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.

## STANDARD CARPORT 12 ft to 24 ft SPAN



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

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

MEMBERS UNLESS OTHERWISE SHOWN. FOR ALL FRAME AND BASE RAIL

## METAL CARPORT INSTALLATION PLANS AND DETAILS

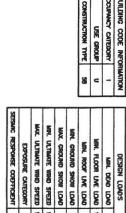
FRAMING AND FASTENER SPECIFICATIONS

CAROLINA CARPORTS, INC. P.O. BOX 1263 DOBSON, NORTH CAROLINA 27017

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 HERBEN HAVE BEEN PREPARED BY THE UNDERSIGNED 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.



						-	-	-	윘
						88	<	-	RMATION
SEISMIC RESPONSE COEFFICIENT 0.500	EXPOSURE CATEGORY C	MAX. ULTMATE WIND SPEED 140 MPH	MIN. ULTIMATE WIND SPEED 105 MPH	MAX. GROUND SHOW LOND 85 PSF	MINL GROUND SHOW LOND 30 PSF	MINL ROOF LIVE LOND 20 PSF	HIN. FLOOR LINE LOND 100 PSF	MAN DEAD LOAD S PSF	DESIGN LOADS





: 01/22/2019 SHEET 1 OF 4 L LUEBH R

NOTE: USE 경 x 경 A GAGE STEEL TUBE

## ISOME TRIC SOME TRIC

GROUND ANCHOR REDURBEISTIS: NISTALL HELICAL ANCHORS WITHIN 8" OF EACH CORNER POST AND AT A MADIMAN SPACING OF 25" ALONG THE BASE RAL. INSTALL GROUND RODS (#4 TREACUED RESAY) BETWEEN THE HELICAL ANCHORS AT A MADIMAN SPACING OF 5" AND A MINIMAN SPACING OF 4" ALONG THE BASE RAL. HELICAL ANCHORS AND GROUND RODS ARE NOT REQUIRED FOR CONCRETE FOOTING AND/OR CONCRETE SLAB CONSTRUCTION. ALL FIELD CONNECTIONS SHALL BE ∮12 x {\* SELF DRILLING FASTENERS (SDF) UNLESS NOTED OTHERWISE. ASTEM METAL ROOF AND WALL PAVELS TO FRAMING WITH  $\frac{8}{2}12^n \times \frac{\pi}{4}^n$  self drilling fastdners with control sea. Washers at an average spacing of  $8^n$  for 29 gauge pavels. THESE STRUCTURES ARE DESIGNED AS UNLITY/STORAGE BUILDINGS CAPABLE OF SUPPORTING THE DEVO LOAD OF THE STRUCTURE AND APPLICABLE LIVE AND WIND LOADS, IMPROVEDENTS NOT SPECIAPICALLY ADDRESSED HEREM, WHICH EDERT ADDITIONAL LOADS ON THE STRUCTURE ALL BE AT THE OWNER'S BRISK, CARCIUM, CAPORTS SHALL NOT BE RESPONSIBLE FOR STRUCTURAL DAMAGE OR FALURE DUE TO THE APPLICATION OF ADDITIONAL LOADS.

all steel tubing swall be 55 kg steel or better all metal panels swall be 80 kg steel or better.

These plans pertan only to the structure, including han who force resisting system (wifte), components and clooning, and base rail anchorage, other design issues, including, but not limited to, plumbing, electrical ingress/edress, property set—backs, or other local zoning requirements are the responsibility of others.

GENERAL NOTES:

CORER OWER REINFORCING STEEL.

MINIMUM CONCRETE OFFER REINFORCING BARS SHALL BE 3 INCHES WHERE CONCRETE IS CAST AGAINST AND PERMANDITY IN CONTACT WITH THE EARTH OR EXPENSED TO THE EARTH OR WEATHER AND  $\frac{1}{2}$ \* ELSEMBERE.

AULYMAZAION: METAL ACCESSORES FOR USE IN EXTERNA MALL CONSTRUCTION AND NOT DIRECTLY EXPOSED TO THE MEXIMER SMALL SCAUSINES. HATE COMMECTORS, SOREMS, BOLTS AND MALL SCAUSE B-2 METAL HATE COMMECTORS, SOREMS, BOLTS AND MALS EXPOSED DIRECTLY TO THE MEXIMER SMALL BE STANKESS STEEL OR HOT DIPPED CALAMAZED.

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

concrete edpansion anchors shall be it'r ramset/redhead trubolt nedge anchor, nej-it ankr-tite modei At 1232, or sleeve anchor model hsa 1280, or approved equal

ALL WELDED CONNECTIONS SHALL BE SHOP WELDED UNLESS NOTED OTHERWISE

CONCRETE SHULL HAVE A MINAUM SPECIFED COMPRESSIVE STRENGTH OF 2500 PS AT 28 DAYS. THE USE OF HIGHER STRENGTH CONCRETE IS ACCEPTABLE. CONCRETE FOUNDATION DESIGN RECOMMENDATIONS:

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

