NOTE: THIS STRUCTURE IS IN COMPLIANCE WITH THE 2009 & 2012 INTERNATIONAL BUILDING CODES AND INTERNATIONAL RESIDENTIAL CODES. LOADS ARE IN ACCORDANCE WITH ASCE/SEI 7-05 and 7-10.

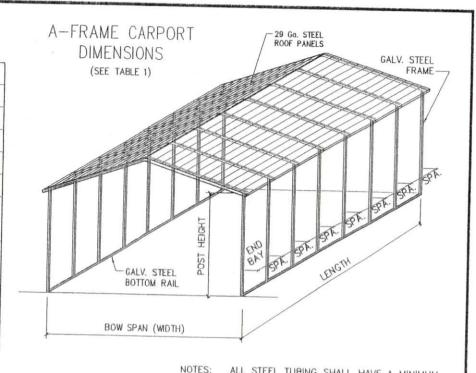
WIND SPEED (3 SECOND	WIND GUST)	120 MPH	130 MPH	
	WIND	0.77	0.77	
IMPORTANCE FACTOR	SNOW	0.8	0.8	
	SEISMIC	1.0		
BUILDING CATEGORY		I	I	
EXPOSURE		С	С	
INTERNAL PRESSURE COEFFICIENT		±0.55	±0.55	
COMPONENT AND	WALLS	+32.2/-40.5 PSF	+37.8/-47.5 PSF	
CLADDING PRESSURE	ROOF	+21.8/-65.4 PSF	+25.6/-76.8 PSF	
STRUCTURE TYPE		ENCLOSED or OPEN	ENCLOSED or OPEN	
GROUND SNOW LOAD		20 PSF	30 / 40 / 50 PSF	
SEISMIC DESIGN CATEGORY	9	D2	D2	

				TA	BLE 1				
		FF	RAME SF SPEEI		BASED SNOW				
BOW POST SPAN HEIGHT	120 / 20		130 / 30		130 / 40		130 / 50		
	No ososeamno	TS 21"x21"		TS 2½"x2½"		TS 2½"x2½"		TS 2½"x2½"	
		GAGE	SPACING	GAGE	SPACING	GAGE	SPACING		SPACING
12' 8'-0" 12'-0"	14		14		14		14	317101110	
	12'-0"	12		12		12		- 17	
16' 8'-0" 12'-0"	14		14		14				
	12'-0"	12		12		12			
18' 8'-0" 12'-0"	14	-1 -11	14		14				
	12'-0"	12	4'-3"*	12	4'-6"		12	12	3'-6"
20	8'-0"	14		14		12			
	12'-0"			12					
//	8'-0"			14					
	12'-0"	12		12					
24'	8'-0" 12'-0"			14	4'-0"		3'-6"		3'-0"
	12-0			12			0 0	1	5-0

NOTE: CORNER BRACE REQUIRED FOR ALL 10' & 12' POSTS AND FOR ALL 20'-24' SPANS

* OR TS 21 x 21 12 Ga. @ 4'-6" MAY BE USED

TS $2\frac{1}{2} \times 2\frac{1}{2} - 14$ GAGE STEEL TUBING MAY BE SUBSTITUTED FOR TS $2\frac{1}{4} \times 2\frac{1}{4} - 12$ GAGE STEEL TUBING OR VICE VERSA. THE ASSOCIATED CONNECTION MATERIALS AND BRACING MUST BE ADJUSTED ACCORDINGLY TO ACCOMMODATE THE CHANGE IN SIZE.



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

ALL STEEL TUBING SHALL HAVE A MINIMUM YIELD STRENGTH (Fy) OF 65 KSI OR BETTER.

ALL FASTENERS ARE CASE HARDENED STEEL HEX SELF-TAPPING SCREWS, 1"-14 FOR FRAMING, #12-14 FOR TOP AND TRIM. ROOF DECK SCREWS SHALL HAVE RUBBER WASHERS.

FASTEN METAL ROOF AND SIDE PANELS WITH SELF DRILLING FASTENERS AT 8" O.C. MAX.

ALL FIELD CONNECTIONS SHALL BE \$\frac{1}{x}1" SELF DRILLING SCREWS, UNLESS NOTED OTHERWISE.

ALL SHOP CONNECTIONS SHALL BE WELDED.

THE OWNER IS RESPONSIBLE FOR COMPLYING WITH LOCAL BUILDING CODE REQUIREMENTS.

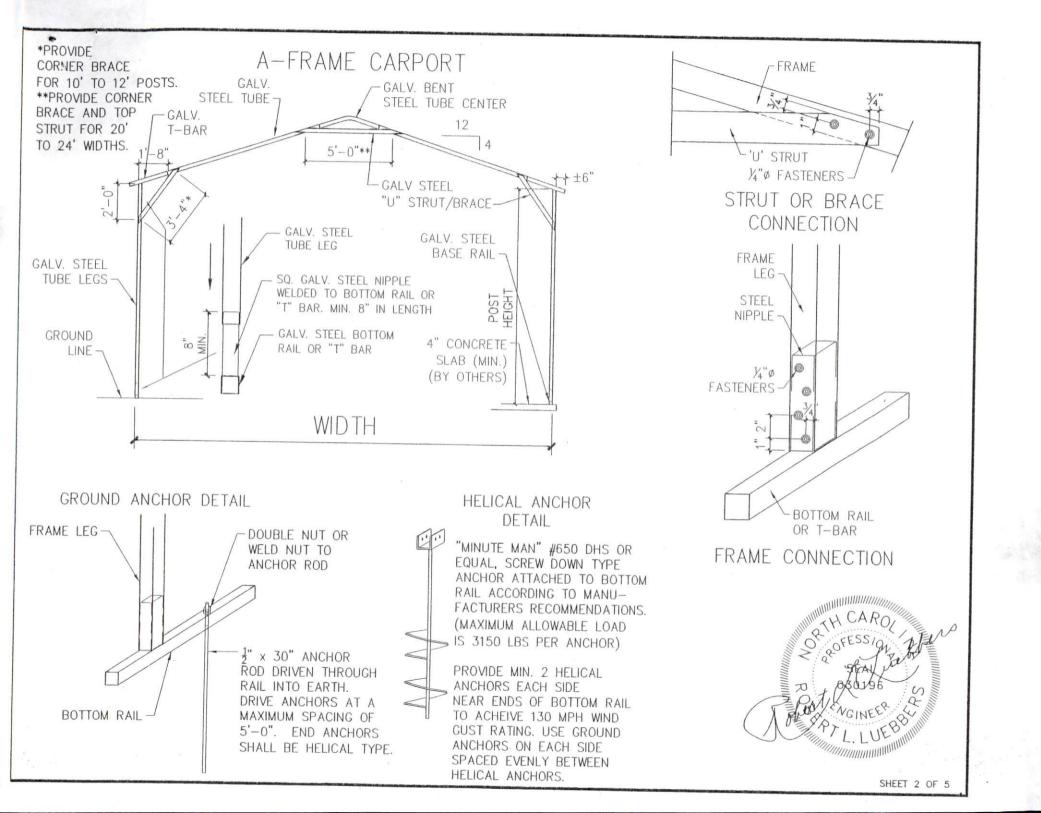


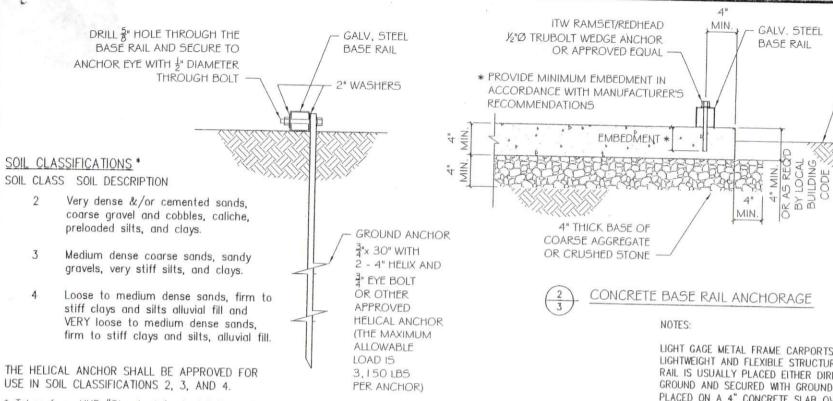
NEWMART BUILDERS

A-FRAME CARPORTS

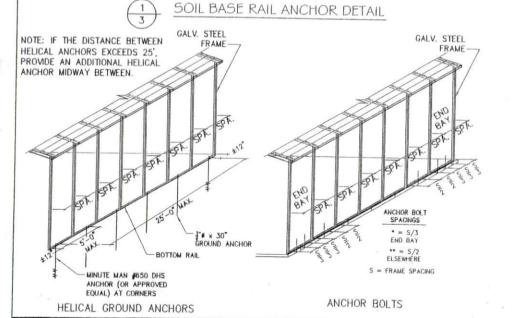
850 LOCUST STREET SOUTH HILL, VA 23970 PHONE (434) 447-2693 TOLL FREE 1-800-547-8480 FAX (434) 447-2694

SHEET 1 OF 5





* Taken from HUD "Standard for Installation of Mobile Homes"

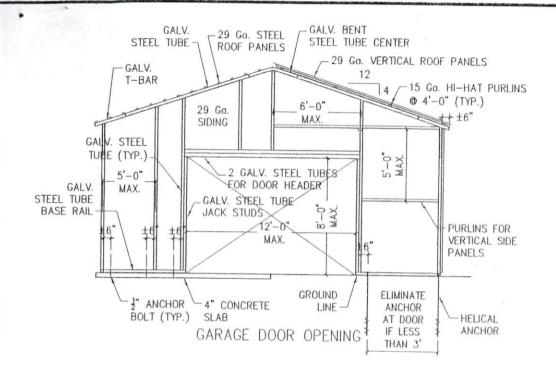


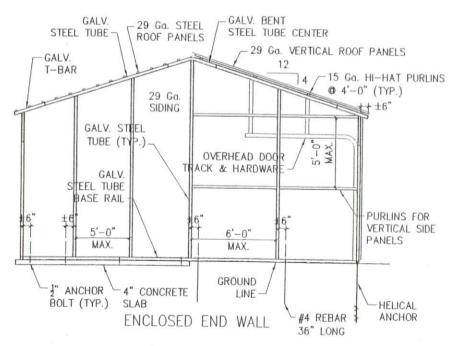
LIGHT GAGE METAL FRAME CARPORTS ARE VERY LIGHTWEIGHT AND FLEXIBLE STRUCTURES. THE BOTTOM RAIL IS USUALLY PLACED EITHER DIRECTLY ON LEVEL GROUND AND SECURED WITH GROUND ANCHORS, OR IS PLACED ON A 4" CONCRETE SLAB OVER A 4" LAYER OF STONE AND SECURED TO THE SLAB WITH ½" ANCHOR BOLTS. EXTENDING THE FOUNDATION TO FROST DEPTH TO PREVENT HEAVING IS GENERALLY NOT REQUIRED. HOWEVER, THE OWNER IS RESPONSIBLE FOR COMPLYING WITH THE REQUIREMENTS OF THE LOCAL BUILDING CODE WHICH MAY BE MORE RESTRICTIVE.

CONCRETE SHALL HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH (F'c) OF 2500 PSI AT 28 DAYS.



FINISHED GRADE





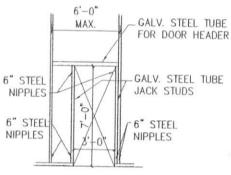
NOTE:

EXTERIOR WINDOWS AND GLASS DOORS SHALL BE TESTED BY AN APPROVED INDEPENDENT TESTING LABORATORY AND BEAR AN AAMA OR WDMA OR OTHER APPROVED LABEL IDENTIFYING THE MANUFACTURER, PERFORMANCE CHARACTERISTICS AND APPROVED PRODUCT EVALUATION ENTITY TO INDICATE COMPLIANCE WITH THE REQUIREMENTS OF THE FOLLOWING SPECIFICATION:

ANSI/AAMA/NWWDA 101/IS2 2/97
THE CONSTRUCTION SHALL BE TESTED IN ACCORDANCE WITH
ASTM E 330, STANDARD TEST METHODS FOR STRUCTURAL
PERFORMANCE FOR EXTERIOR WINDOWS, CURTAIN WALLS, AND
DOORS BY UNIFORM STATIC AIR PRESSURE.

NOTE:

ALL WINDOWS AND DOORS SHALL HAVE A MINIMUM DESIGN PRESSURE RATING OF ±35 PSF.



STANDARD DOOR OPENING

CARPORT WIDTH 12' 18' 20' 22' 24'	MAX. DOOR WIDTH 8' 10' 12' 12' 12'	OFESSION AND ASSESSION ASSESSION AND ASSESSION ASSES
SIDE OPEN	WIDTH FOR ING IS 12'	J. L. LUE

