



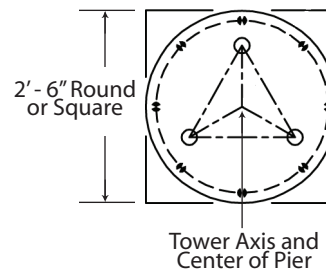
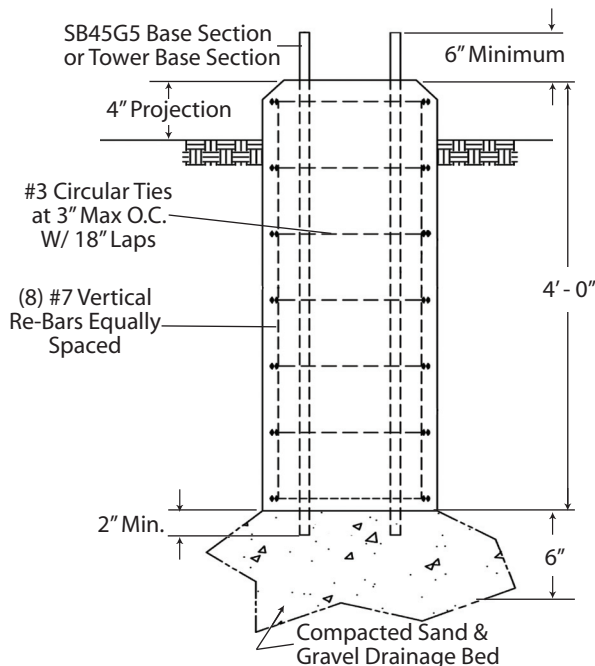
45G BRACKETED ALLOWABLE ANTENNA AREAS

45G

Tower Height (FT.)	Bracket Elevation		Allowable Antenna Areas (SQ. FT.)		
	Upper (FT.)	Lower (FT.)	70 MPH	80 MPH	90 MPH
40	30.0	15.0	36.7	27.4	21.0
50	36.0	18.0	34.8	25.9	20.0
60	46.0	23.0	33.3	24.7	19.0
70	56.0	28.0	32.0	23.8	17.0
80	66.0	33.0	31.0	23.0	12.0
90	66.0	33.0	13.8	9.3	5.3
100	66.0	33.0	5.5	2.0	-

1. Tower designs are in accordance with ANSI/EIA-222-F.
2. All towers must have "fixed bases". Pinned bases must not be used.
3. Designs assume one 1/2" and one 7/8" transmission line on each face (total=6), symmetrically placed.
4. Antennas and mounts assumed symmetrically placed at tower apex.
5. Allowable antenna areas assume all round antenna members.
6. Allowable flat-plate antenna areas, based on EIA RS-222-C, may be obtained by multiplying areas shown by 0.6.
7. All brackets are to be ROHN (P/N HBUTVRO).
8. The interface of tower brackets to supporting structure is to be designed by others and must support a minimum horizontal force of 1810 lbs.

FOUNDATION INFORMATION



MAX REACTIONS	
Moment	= 2,502 ft. lbs.
Shear	= 389 lbs.
Vertical	= 1,000 lbs.

VOLUME OF CONCRETE	
Square Pier	= 1.0 cu. yds.
Round Pier	= 0.8 cu. yds.