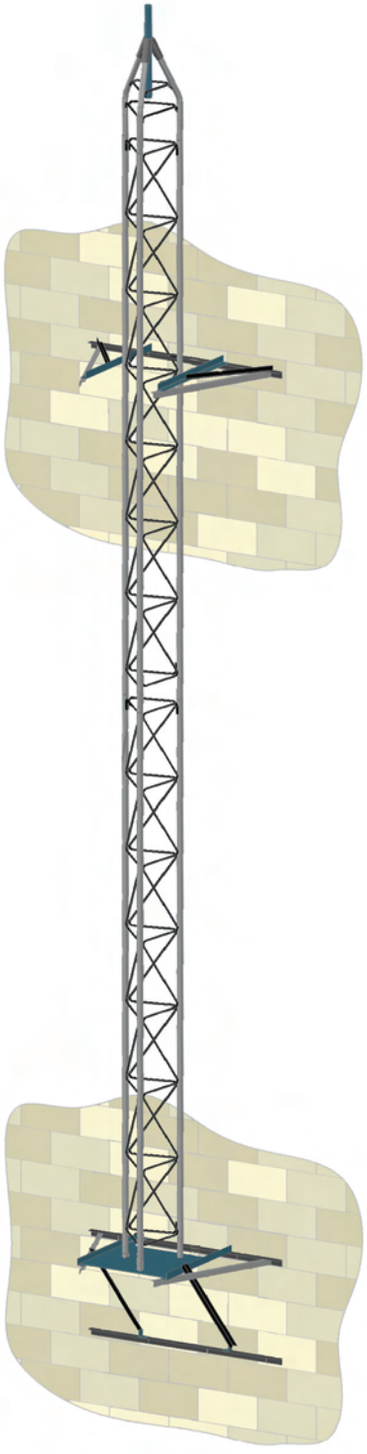
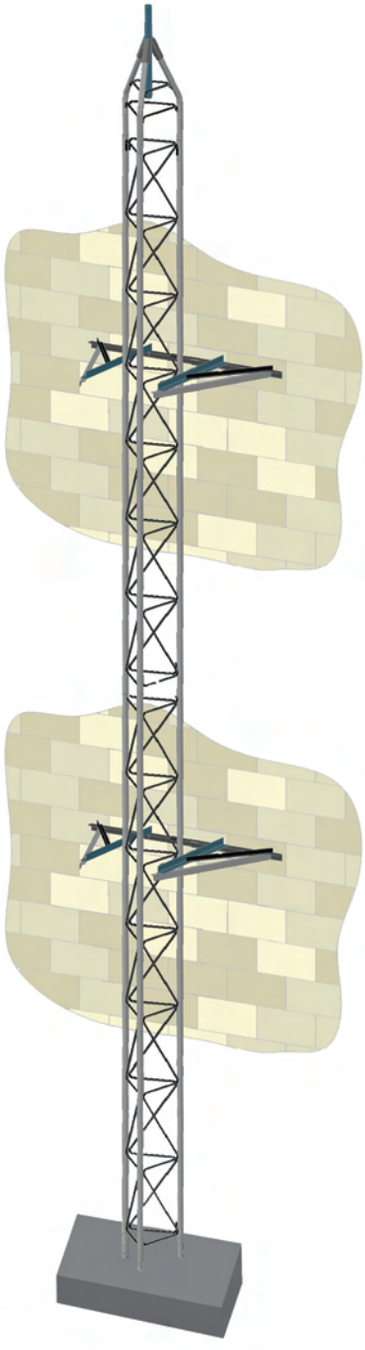
BRACKETED TOWERS

STANDARD BRACKETED
TYPICAL



25G shown installed with 25GWM wall mount with (1) HBUTVRO



45G/55G attached to a short base with (2) HBUTVRO brackets

G-SERIES
(BRACKETED)

GENERAL USE

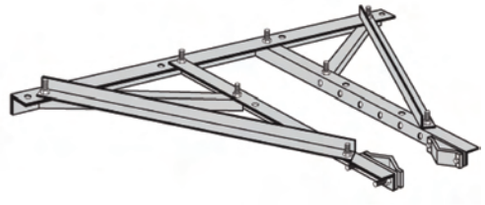
ROHN G-Series Bracketed towers can be installed adjacent to buildings using a bracket to secure the tower in one or two locations along the height of the structure.

FEATURES

- Completely hot dip galvanized after fabrication to provide absolute corrosion protection.
- Cross bracing is formed by a continuous solid rod bracing fashioned into a zig-zag pattern for strength.
- Pre-engineered loading charts to meet varying individual specs and site conditions.
- Typical uses include small dishes, broadband, security and two-way communication.

OPTIONAL ACCESSORY

UNIVERSAL HOUSE BRACKET
HBUTVRO



Adjustable to position tower 18" - 36" from wall.

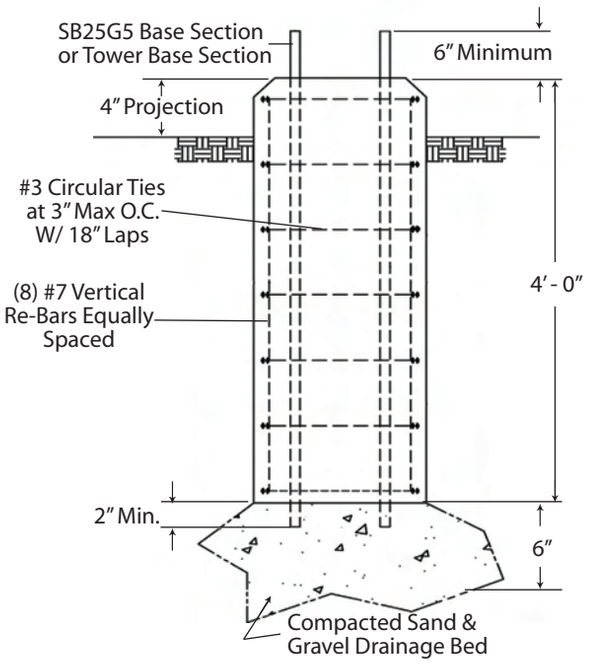
25G BRACKETED
ALLOWABLE ANTENNA AREAS

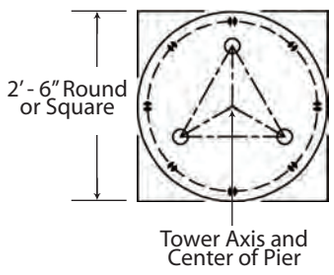
Tower Height (FT.)	Bracket Elevation		Allowable Antenna Areas (SQ. FT.)		
	Upper (FT.)	Lower (FT.)	70 MPH	80 MPH	90 MPH
40	30.0	15.0	15.3	11.3	7.7
50	36.0	18.0	14.6	10.0	6.8
60	46.0	23.0	14.0	8.9	5.9
70	56.0	28.0	13.5	8.3	5.5
80	66.0	33.0	13.1	7.7	5.0
90	66.0	33.0	6.8	4.9	-
100	66.0	33.0	1.7	-	-

25G

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 5/8" transmission line on each face (total=3), 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 815 lbs.

FOUNDATION INFORMATION





MAX REACTIONS

Moment	=	1,563 ft. lbs.
Shear	=	211 lbs.
Vertical	=	600 lbs.

VOLUME OF CONCRETE

Square Pier = 1.0 cu. yds.
Round Pier = 0.8 cu. yds.

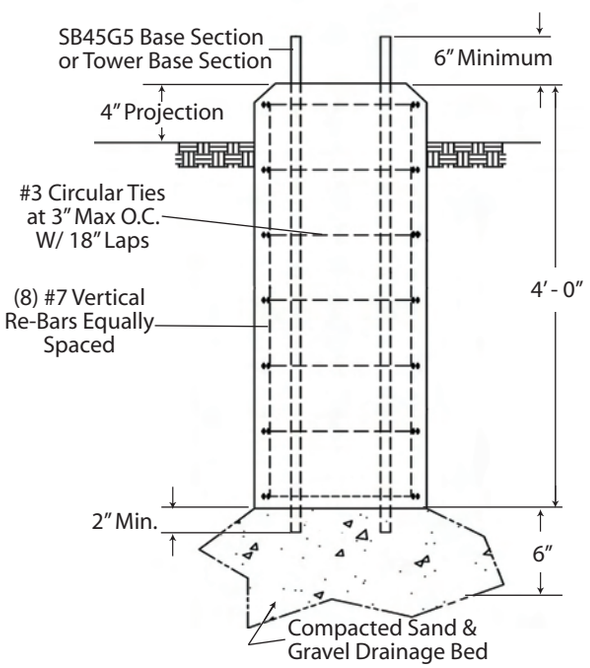
45G BRACKETED
ALLOWABLE ANTENNA AREAS

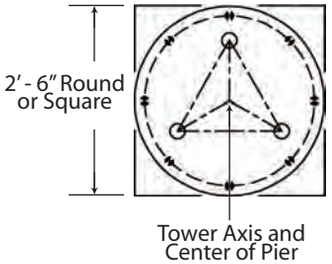
45G

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.

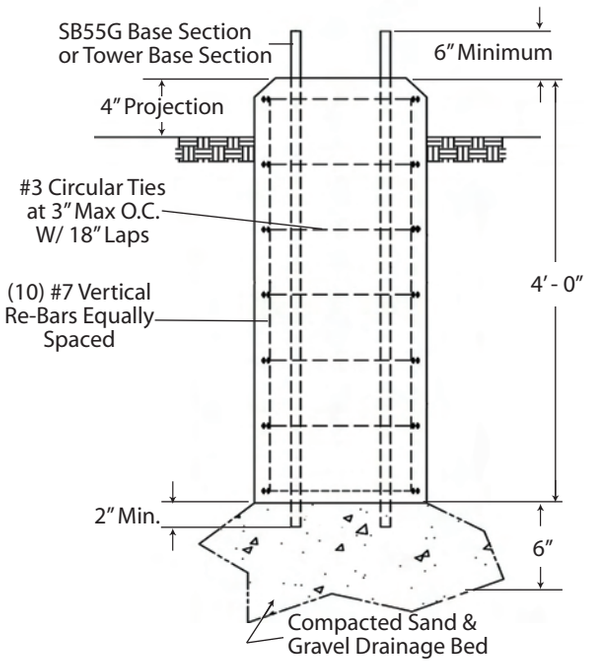
55G BRACKETED
ALLOWABLE ANTENNA AREAS

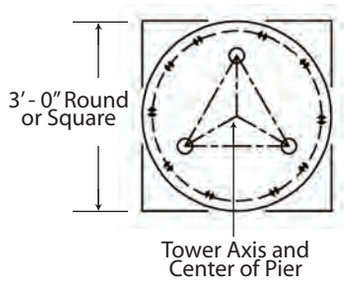
Tower Height (FT.)	Bracket Elevation		Allowable Antenna Areas (SQ. FT.)		
	Upper (FT.)	Lower (FT.)	70 MPH	80 MPH	90 MPH
40	30.0	15.0	72.4	54.5	41.8
50	36.0	18.0	68.7	51.7	39.4
60	46.0	23.0	65.8	49.5	37.6
70	56.0	28.0	63.5	47.5	36.0
80	66.0	33.0	61.4	46.0	34.6
90	66.0	33.0	30.6	22.0	16.0
100	66.0	33.0	16.0	10.5	6.4

55G

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 two 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 3200 lbs.

FOUNDATION INFORMATION





MAX REACTIONS		
Moment	=	4,180 ft. lbs.
Shear	=	634 lbs.
Vertical	=	1,340 lbs.

VOLUME OF CONCRETE	
Square Pier	= 1.4 cu. yds.
Round Pier	= 1.1 cu. yds.