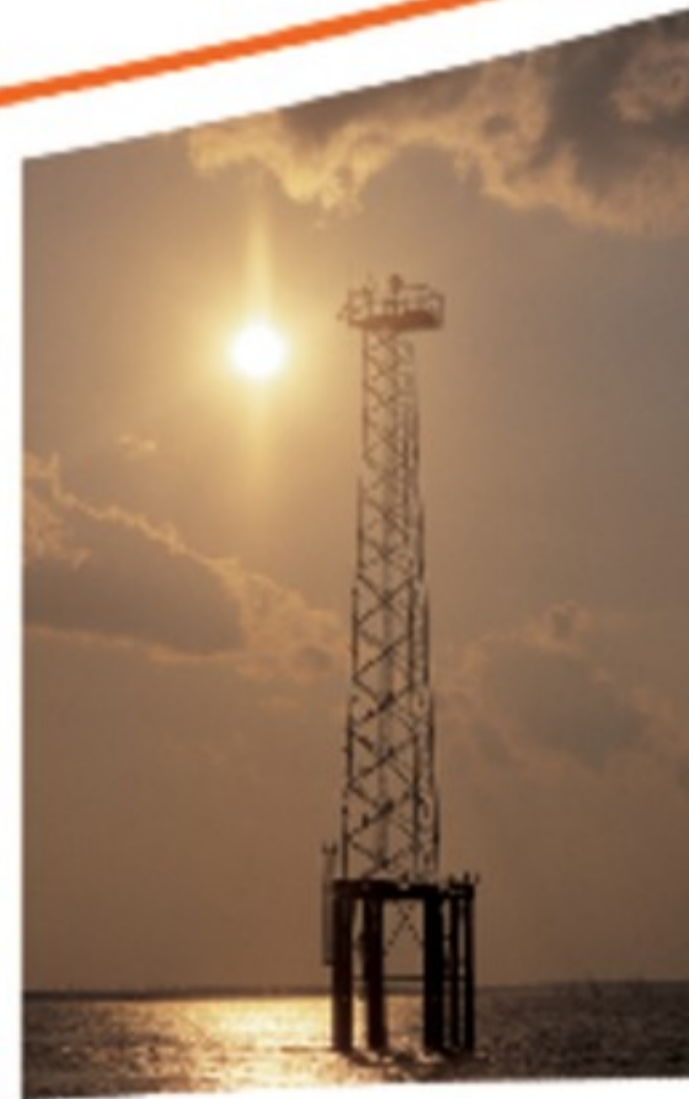


SELF-SUPPORTING TOWERS



STANDARD G-SERIES SELF-SUPPORTING



G-SERIES SELF-SUPPORTING

GENERAL USE

The self-supporting G-Series towers offer an easy, low-cost solution to get light weight antennas in the air quickly. By using the G-Series tower as a self-supporting structure, you minimize land area usage. They are functional in a wide variety of wind speeds. See ROHN's standard designs to help identify the right structure for your project. These are the same sturdy, robust tower sections that ROHN has fabricated for years. Each larger model allows for more loading capacity.

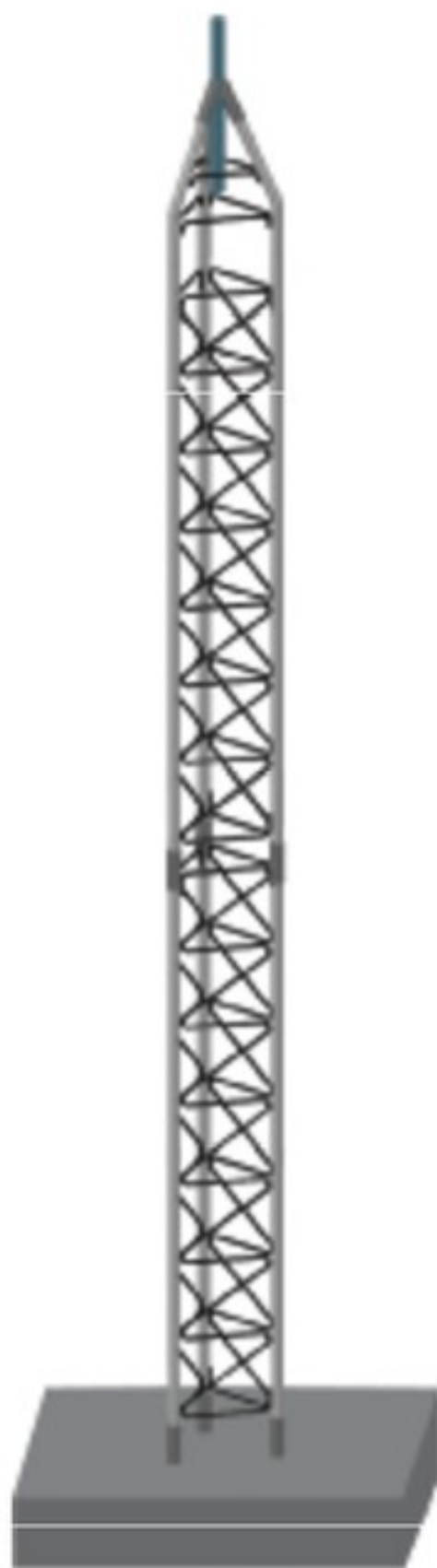
FEATURES

- Completely hot-dip galvanized after fabrication
- Cross bracing is formed by a continuous solid rod bracing fashioned into a zig-zag pattern for strength
- Pre-engineered loading charts meet varying individual specs and site conditions
- Typical uses include: small dishes, broadband, security and two-way communication
- All towers have 'fixed' bases

KITS

The kit part numbers for ROHN Self-Supporting G-Series towers include:

- Short base for embedment in concrete
- Grounding optional
- All tower sections and connection hardware
- Tapered top (25G and 45G towers)
- Top plate (55G towers)
- Cap plate kit (65G towers)



Typical Self-Supporting
25G, 45G and 55G Tower
(Tapered top available
for 25G & 45G only)



Typical Self-Supporting
45GSR and 65G Tower

Per Rev G requirements, any structure greater than 10' requires a climber safety device. Please see page 209 for ordering information.



G SERIES
REV. F ALLOWABLE ANTENNA AREAS (SQ. FT.)

70 MPH
 Fastest Mile
80 MPH
 Fastest Mile
90 MPH
 Fastest Mile

70 MPH Fastest Mile Wind Speed - No Ice								
Height	25G		45G		55G		65G	
	FT ²	Part No.	FT ²	Part No.	FT ²	Part No.	FT ²	Part No.
10'	19.7	25SS010	42.5	45SS010	75.0	55SS010	95.0	65SS010
20'	14.2	25SS020	22.0	45SS020	43.0	55SS020	95.0	65SS020
30'	6.4	25SS030	12.0	45SS030	26.0	55SS030	76.2	65SS030
35'	3.6	25SS035	8.7	45SS035	21.9	55SS035	61.2	65SS035
40'	1.5	25SS040	5.1	45SS040	15.0	55SS040	48.8	65SS040
45'			2.3	45SS045	11.4	55SS045	39.0	65SS045
50'					6.5	55SS050	29.3	65SS050
55'					4.0	55SS055	24.4	65SS055
60'					0.8	55SS060	18.4	65SS060
70'							8.7	65SS070
80'							0.9	65SS080

80 MPH Fastest Mile Wind Speed - No Ice								
Height	25G		45G		55G		65G	
	FT ²	Part No.	FT ²	Part No.	FT ²	Part No.	FT ²	Part No.
10'	14.3	25SS010	30.0	45SS010	57.0	55SS010	95.0	65SS010
20'	9.0	25SS020	16.0	45SS020	30.0	55SS020	85.0	65SS020
30'	3.7	25SS030	7.5	45SS030	17.0	55SS030	55.8	65SS030
35'	1.4	25SS035	4.7	45SS035	14.5	55SS035	44.0	65SS035
40'			1.4	45SS040	8.0	55SS040	34.1	65SS040
45'					5.9	55SS045	26.2	65SS045
50'					1.5	55SS050	19.7	65SS050
55'							14.5	65SS055
60'							9.4	65SS060
70'							1.3	65SS070

90 MPH Fastest Mile Wind Speed - No Ice								
Height	25G		45G		55G		65G	
	FT ²	Part No.	FT ²	Part No.	FT ²	Part No.	FT ²	Part No.
10'	10.5	25SS010	25.0	45SS010	45.0	55SS010	95.0	65SS010
20'	6.9	25SS020	11.0	45SS020	23.0	55SS020	65.0	65SS020
30'	1.7	25SS030	4.0	45SS030	12.0	55SS030	40.0	65SS030
35'			1.9	45SS035	9.4	55SS035	32.2	65SS035
40'					4.0	55SS040	24.1	65SS040
45'					2.2	55SS045	17.7	65SS045
50'							14.5	65SS050
55'							7.7	65SS055
60'							3.3	65SS060

NO ICE

Note: Antenna areas, ft.², assume all round antenna members.



G SERIES

REV. G EFFECTIVE PROJECTED AREA (SQ. FT.)

90 MPH 3-Second Gust
100 MPH 3-Second Gust
110 MPH 3-Second Gust

Table with 16 columns: Height, 25G (EPA Exp. B, EPA Exp. C, Part No.), 45G (EPA Exp. B, EPA Exp. C, Part No.), 45GSR (EPA Exp. B, EPA Exp. C, Part No.), 55G (EPA Exp. B, EPA Exp. C, Part No.), 65G (EPA Exp. B, EPA Exp. C, Part No.). Rows for heights 10' to 60'.

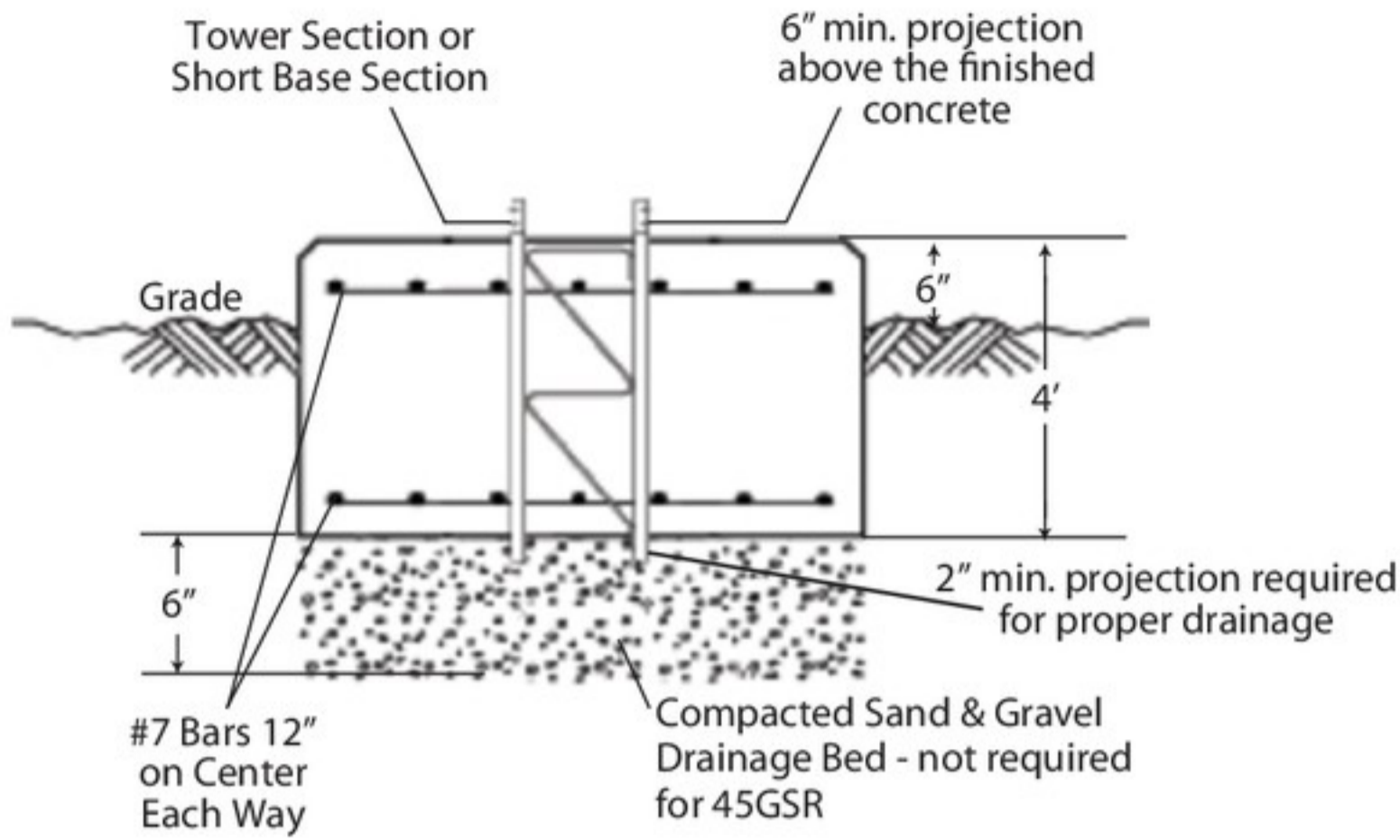
Table with 16 columns: Height, 25G (EPA Exp. B, EPA Exp. C, Part No.), 45G (EPA Exp. B, EPA Exp. C, Part No.), 45GSR (EPA Exp. B, EPA Exp. C, Part No.), 55G (EPA Exp. B, EPA Exp. C, Part No.), 65G (EPA Exp. B, EPA Exp. C, Part No.). Rows for heights 10' to 60'.

Table with 16 columns: Height, 25G (EPA Exp. B, EPA Exp. C, Part No.), 45G (EPA Exp. B, EPA Exp. C, Part No.), 45GSR (EPA Exp. B, EPA Exp. C, Part No.), 55G (EPA Exp. B, EPA Exp. C, Part No.), 65G (EPA Exp. B, EPA Exp. C, Part No.). Rows for heights 10' to 60'.

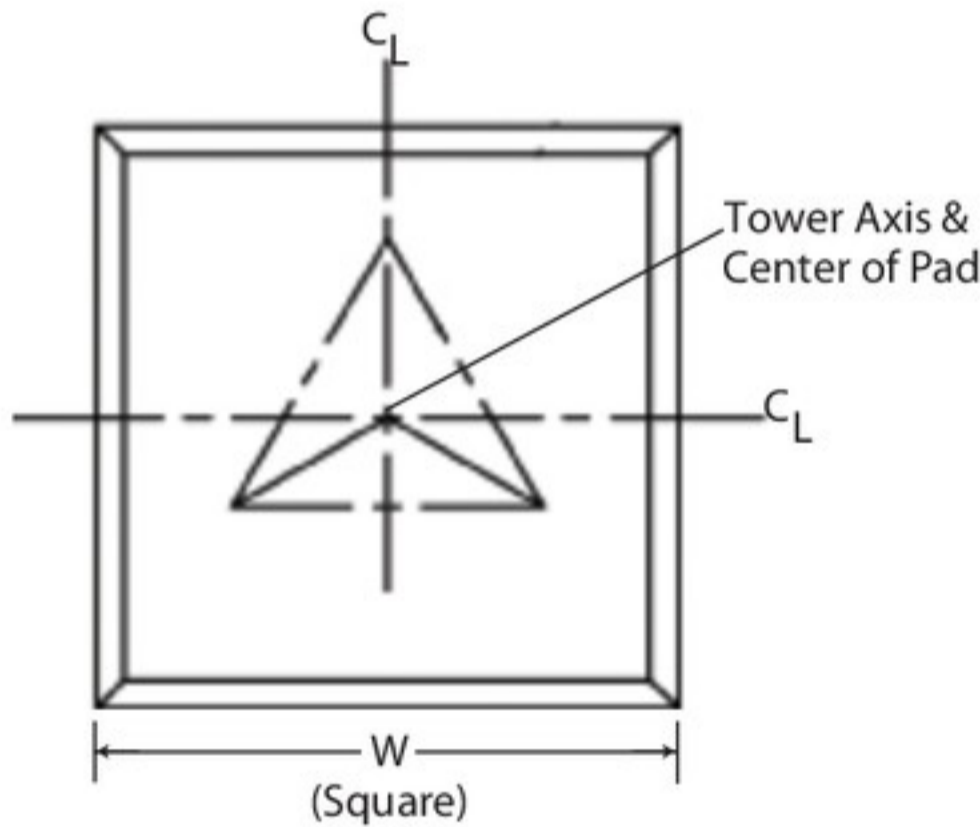
Note: Antenna areas, ft.², assume all round antenna members.

NOICE

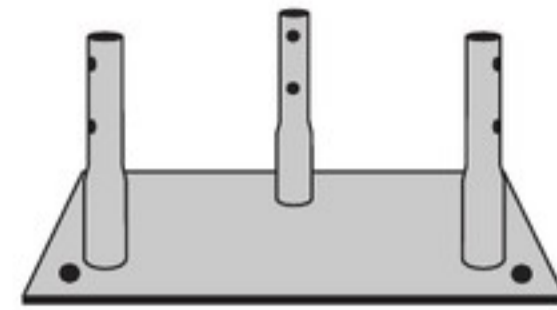
SELF-SUPPORTING G-SERIES FOUNDATIONS



ELEVATION VIEW
25G (shown), 45G & 55G
SELF-SUPPORTING TOWER FOUNDATION



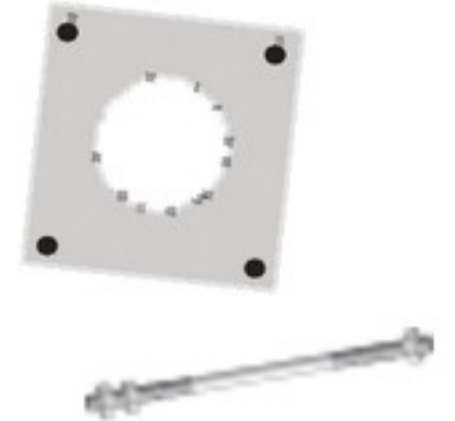
PLAN VIEW



CONCRETE BASE PLATE WITH ANCHORS
25GSSB

FOR USE WITH SELF-SUPPORTING 25G TOWERS.

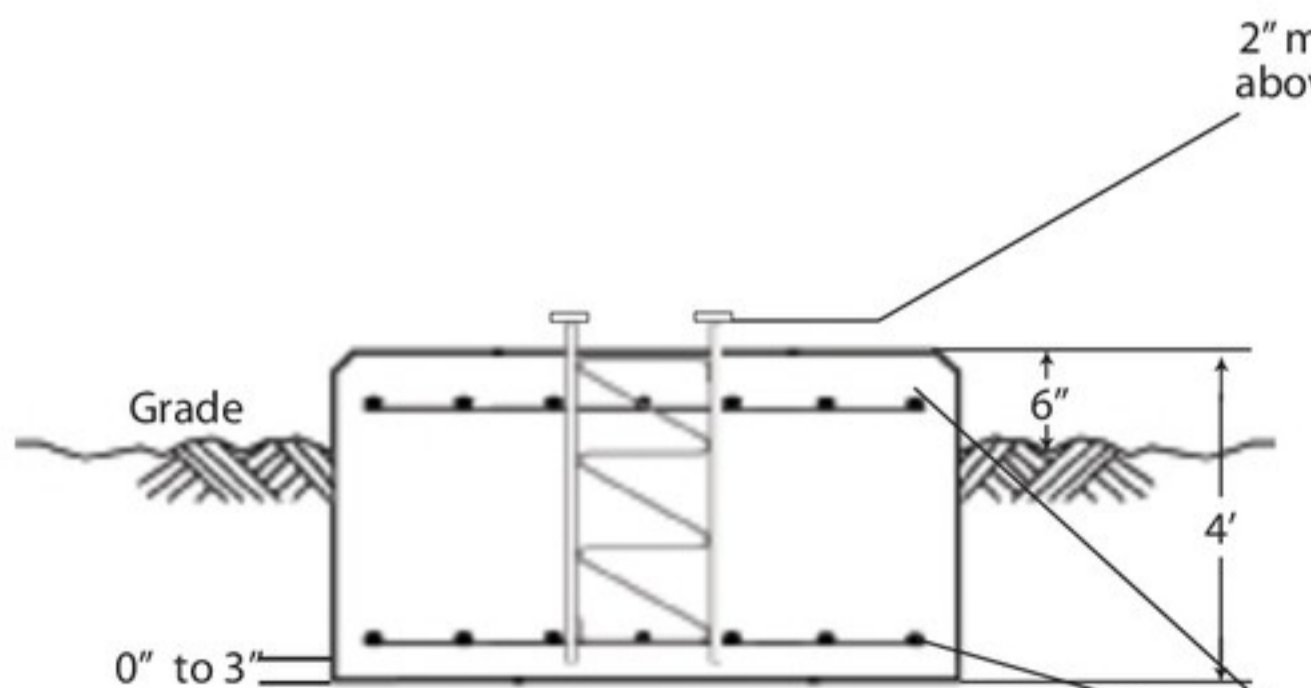
ALTERNATIVE TO USING SHORT BASE. BASE BOLTS & TEMPLATE MUST BE ORDERED SEPARATELY.



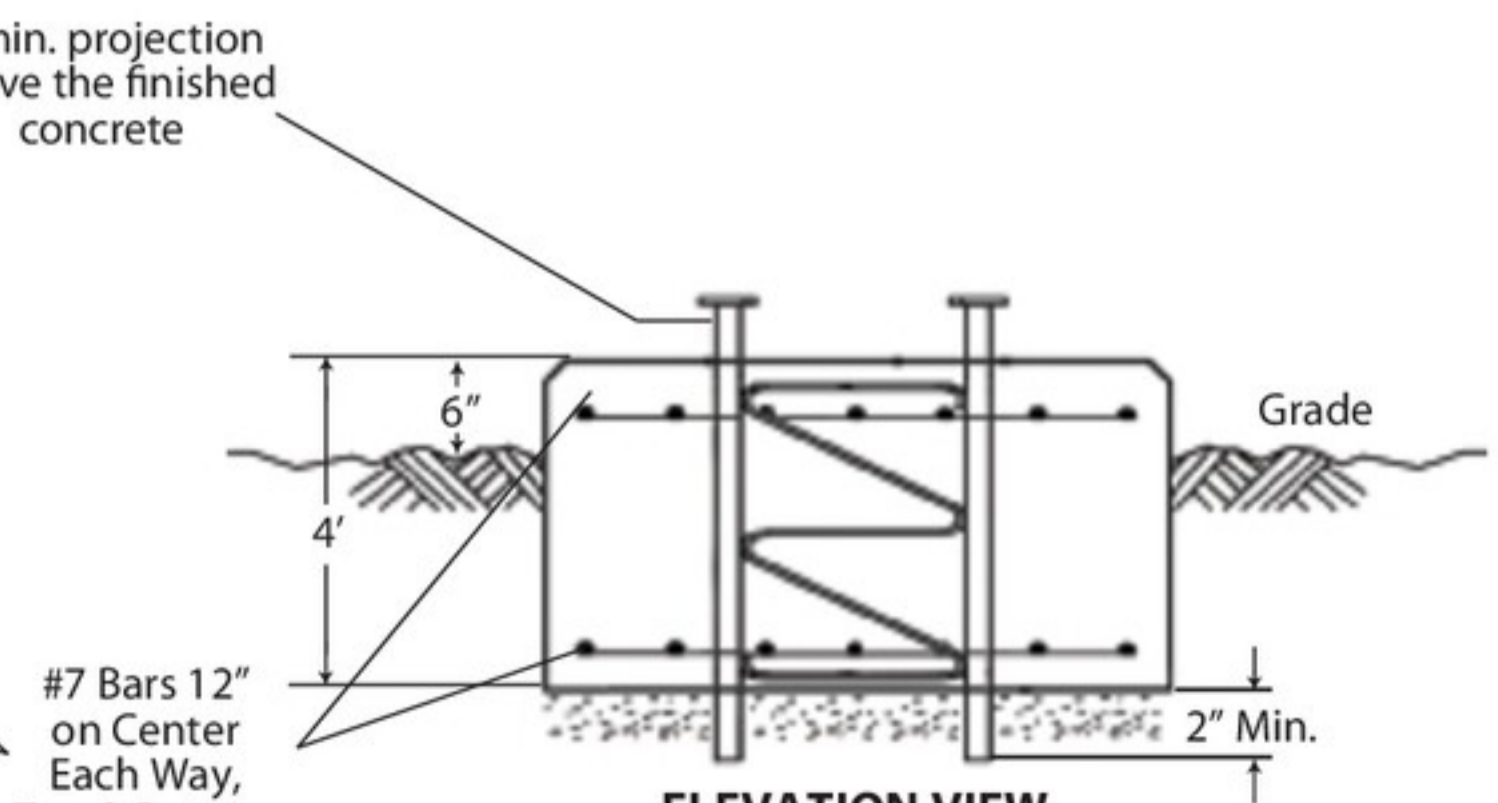
BASE BOLTS & TEMPLATE
KH8175A

FOR USE WITH 25GSSB IN SELF-SUPPORTING 25G TOWER APPLICATIONS. KIT INCLUDES (1) TEMPLATE & (4) BASE BOLTS.

Tower	Mat Width (W)	Concrete Volume (Cu. Yds.)
25G	4' - 0"	2.4
45G	5' - 3"	4.1
55G	6' - 0"	5.3
45GSR 65G	7' - 9"	8.9



ELEVATION VIEW
45GSR
SELF-SUPPORTING TOWER FOUNDATION



ELEVATION VIEW
65G
SELF-SUPPORTING TOWER FOUNDATION




SELF-SUPPORTING G-SERIES DESIGN NOTES

1. Tower designs are in accordance with approved national standard ANSI/EIA-222-F and ANSI/TIA-222G, Structure Class I, Exposures B and C, Topographic Category I.
2. All towers must have "fixed" bases. Pinned bases may not be used.
3. Designs assume transmission lines symmetrically placed as follows:
 - 25G Tower - One 5/8" Line on each face (Total =3)
 - 45G Tower - One 7/8" Line and one 1/2" line on each face (Total = 3 @ 7/8" & 3 @ 1/2")
 - 55G & 65G Towers - Two 7/8" Lines on each face (Total =6)
4. Antennas and mounts assumed symmetrically placed at tower apex.
5. Rev F tabulated 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 Rev. F Antenna areas shown by 0.6.
7. Standard foundation designs are based on Rev. F normal soil and Rev. G presumptive clay soil parameters.

Refer to pages 147-153 for General Installation and Foundation Notes.

NOTES



A tall, slender lattice tower stands in the center of a cornfield. The foreground is filled with rows of corn plants, their leaves and tassels visible. The background shows a cloudy sky. The entire image is overlaid with a series of horizontal lines, creating a ruled page for notes.