



GENERAL NOTES

1. TOWER DESIGNS ARE IN ACCORDANCE WITH APPROVED NATIONAL STANDARD ANSIA/EIA-222-E-1997 (NO ICE).
2. ALL DIMENSIONS ARE IN FEET AND INCHES. (1" = 1/16" FT.) FOR ROUND MEMBER ANTENNAS. EQUIVALENT FLAT-PLATE ANTENNA AREAS, BASED ON EIA 15-222-C, MUST NOT EXCEED THE AREAS SHOWN FOR FLAT MEMBER ANTENNAS.
3. DESIGN ASSUMES ONE 5/8" DIA. LINES ON EACH TOWER FACE.
4. ANCHOR RADIUS IS FROM TOWER BASE TO INTERSECTION OF ROD WITH GROUND LINE.
5. FOR GUY HARDWARE INSTALLATION DETAILS SEE DWG. A871382.
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7. FOR GUY HARDWARE INSTALLATION DETAILS SEE DWG. A871382.
8. TOWER DESIGNS AND GUY CHORD LENGTHS SHOWN ARE BASED ON LEVEL GROUND. ADD 6 PERCENT TO GUY CHORD LENGTHS (FOR SAG AND CONNECTIONS FOR PITCH CUT LENGTHS () INDICATES INITIAL TENSION FOR GUY WIRES IN POUNDS AT 60 PERCENT OF YIELD STRENGTH).
9. DO NOT INSTALL OR DISMANTLE TOWERS WITHIN FALLING DISTANCE OF ELECTRICAL AND/OR TELEPHONE LINES.
10. PERSONNEL AND DISMANTLING MUST BE BY QUALIFIED AND EXPERIENCED PERSONNEL.
11. TEMPORARY STEEL GUYS, WHEN REQUIRED DURING ERECTION OR DISMANTLING, MUST BE IDENTIFIED AND INSTALLED BY THE ERECTOR.
12. ALL ANTENNA INSTALLATIONS MUST BE GROUNDED IN ACCORDANCE WITH LOCAL AND NATIONAL CODES.
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TOWER HT.	BASE PIER		INNER ANCHOR DATA		ANCHOR ROD SLOPE	
	REF. DWG.	NO.	REAC. LBS.	BLOCK NO.	ROD NO.	ROD ANGLE HOR.
40'	CB1	1,800	4A	GAR30	47.7	10.9
50'	CB1	2,300	4A	GAC303	41.8	12
60'	CB1	2,530	4A	GAC303	42.1	12
70'	CB1	2,660	4A	GAC303	41.9	12
80'	CB1	3,350	4A	GAC303	39.4	12
90'	CB1	3,510	4A	GAC303	39.4	12
100'	CB1	3,650	4A	GAC303	39.4	12
110'	CB1	3,820	4A	GAC303	39.4	12
120'	CB1	4,540	4A	GAC305	37.5	12
130'	CB1	4,750	4A	GAC305	37.5	12
140'	CB1	4,910	4A	GAC305	37.5	12
150'	CB1	5,740	4A	GAC305	36.7	12
160'	CB1	5,920	4A	GAC305	36.6	12
170'	CB1	6,340	4A	GAC305	36.7	12
180'	CB1	6,520	4A	GAC305	36.7	12
190'	CB1	6,520	4A	GAC305	36.7	12

REF. DWG.: BLOCK-0620643; ROD-G660415

R O H N

GUYING DETAILS FOR 40'-190'
70 MPH BASIC WIND SPEED
(NO ICE)

DATE: 11-22-98
REV: 6-9-92
REV: 1-27-92
REV: 3-7-91
REV: 1-27-92
REV: 3-7-91
REV: 1-27-92
REV: 3-7-91

Drawn: WRF 9/24/97
App. Eng.: RAM 10/2/97
App. Sales: AE 12/12/98

DRAWING NO.: CB704184 R4



Parts List P-622
(Replaces P-558)

January 1, 1996

Parts List for #25G Guyed Towers
70 MPH Basic Wind Speed (No Ice)

Tower Height

Part Number	40'	50'	60'	70'	80'	90'	100'	110'	120'	130'	140'	150'	160'	170'	180'	190'
25G	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
25AG2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BPC25G w/3/4 x 12PP	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GA25GD	1	2	2	2	3	3	3	3	4	4	4	5	5	5	5	5
G.W. 3/16" EHS	175'	350'	425'	500'	800'	900'	1000'	1100'	1575'	1700'	1825'	2425'	2650'	2825'	2925'	3175'
BG2142	6	12	12	12	18	18	18	18	24	24	24	30	30	30	30	30
5/16" THH	6	12	12	12	18	18	18	18	24	24	24	30	30	30	30	30
T.B. 3/8 x 6 E&E	*	6	6	6	9	9	9	9	12	12	12	15	15	15	15	15
TBSAFETY	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
GAC303	*	3	3	3	3	3	3	3								
GAC305									3	3	3	3	3	3	3	3
AGKE	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
340028 Clamp	3	6	6	6	9	9	9	9	12	12	12	15	15	15	15	15
BGKE	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

* **Note:** For 40' ground tower, 3 GAR30 anchors and 3 5/8 TBE&J turnbuckles are supplied rather than the items shown in the above chart.

Items shown above are necessary for complete "ground" guyed towers. (**Note:** Local engineers must be consulted to determine adequate base and anchor details and wind loading criteria for all roof type installations.)

Anchor grounding (AGKE) and base grounding (BGKE), as recommended by EIA, are included with the tower material. However, extra copper wire may be required for roof installations. See appropriate sheet for grounding material and order extra copper wire as a separate item.

Installation information and a safety package (part number ACWS) are also included with the tower material. This package consists of one anti-climb warning sign and two Danger-Watch for Wires labels along with other printed safety information.

All types of antenna installations should be thoroughly inspected by qualified personnel and re-marked with hazard and warning labels at least twice a year to insure safety and proper performance.