



**GENERAL NOTES**

- TOWER DESIGNS ARE IN ACCORDANCE WITH APPROVED NATIONAL STANDARD ANSIZ/EIA-222-F-1991 (NO ICE) (50 FT.) FOR ROUND MEMBER ANTENNAS. ALLOWABLE PROJ. AREA (50 FT.) FOR FLAT MEMBER ANTENNAS. EQUIVALENT FLAT-PLATE ANTENNA AREAS BASED ON EIA RS-222-C. TOWER DESIGNS INCLUDE THREE SIDE ARMS SYMMETRICALLY PLACED HAVING A TOTAL EFFECTIVE PROJECTED AREA EQUAL TO 8.0 SQUARE FEET PER DIAMETER OF ROD. SEE DWG. CB21682 LATEST REVISION ARM DETAILS (P/N S42530A). SEE DWG. CB21682 FOR GUY HARDWARE INSTALLATION DETAILS SEE DWG. A871362.
- TOWER DESIGNS AND GUY CHORD LENGTHS SHOWN ARE BASED ON LEVEL GROUND. ADD 6 PERCENT TO CHORD LENGTHS (FOR SAG AND CONNECTIONS) FOR FINAL CUT DEGREES FAHRENHEIT.
- DO NOT INSTALL OR DISMANTLE TOWERS WITHIN FALLING DISTANCE OF ELECTRIC LINES OR POWER LINES. TOWER ERECTION AND DISMANTLING MUST BE BY QUALIFIED AND EXPERIENCED PERSONNEL. STEEL GUYS WHEN REQUIRED DURING ERECTION OR DISMANTLING, MUST BE SHIPPED IN A HIGHLY VISIBLE LOCATION. INSTALL WARNING PLATE (P/N AWG) IN A HIGHLY VISIBLE LOCATION. ALL ANTENNA INSTALLATIONS MUST BE GROUNDED IN ACCORDANCE WITH LOCAL EXTRA CABLE CLAMPS HAVE BEEN PROVIDED FOR TURNBUCKLE SAFETY REQUIREMENTS. FOR DETAILS SEE DWG. B660324 LATEST REVISION.

TOWER HT.	BASE PIER		ANCHOR DATA		ANCHOR ROD SLOPE		REAC. LBS.	
	REF. NO.	REAC. LBS.	REF. NO.	REAC. LBS.	ROD NO.	ROD ANGLE	SLOPE HOR.	SLOPE VERT.
40'	CB2	2,580	4A	GAR30	44.5	12	11.8	1,040
50'	CB2	2,820	4A	GAR30	45.9	11.6	12.0	1,080
60'	CB2	3,080	4A	GAR30	43.3	12	11.3	1,270
70'	CB2	3,470	4A	GAC303	42.9	12	11.2	1,450
80'	CB2	3,830	4A	GAC303	40.9	12	10.4	1,710
90'	CB2	4,040	4A	GAC303	43.0	12	11.2	1,700
100'	CB2	4,310	4A	GAC303	41.8	12	10.7	1,660
110'	CB2	4,930	4A	GAC303	39.7	12	10.0	2,290
120'	CB2	5,240	4A	GAC303	38.8	12	9.6	2,440
130'	CB2	5,540	4A	GAC303	40.3	12	10.2	2,540
140'	CB2	6,020	4A	GAC303	40.0	12	10.1	2,830
150'	CB2	6,460	4A	GAC305	38.0	12	9.4	3,200
160'	CB2	6,970	4A	GAC305	37.8	12	9.3	3,550
170'	CB2	7,110	4A	GAC305	38.7	12	9.6	3,520

REV'D	BY	DATE	DESCRIPTION
1	AW	1-27-88	REV'D
2	AW	10-2-87	REV'D
3	AW	10-2-87	REV'D
4	AW	10-2-87	REV'D
5	AW	10-2-87	REV'D
6	AW	10-2-87	REV'D
7	AW	10-2-87	REV'D
8	AW	10-2-87	REV'D
9	AW	10-2-87	REV'D
10	AW	10-2-87	REV'D
11	AW	10-2-87	REV'D
12	AW	10-2-87	REV'D
13	AW	10-2-87	REV'D
14	AW	10-2-87	REV'D

**R O H N**

TITLE: GUYING DETAILS FOR 40' - 170' 45G TOWER 70 MPH BASIC WIND SPEED (NO ICE)

Drawn: WDF 9-1-87  
 Checked: WDF 4-20-87  
 App. Eng.: RAM 4-20-87  
 Eng. File: CB70401 R2