



GENERAL NOTES

1. TOWER DESIGN IN ACCORDANCE WITH APPROVED NATIONAL STANDARD ANSI/EIA-222-E-191 (NO ICE)
2. ALLOWABLE PROJ. AREA (SQ. FT.) FOR ROUND MEMBER ANTENNAS. EQUIVALENT FLAT-PLATE ANTENNA AREAS, BASED ON EIA RS-222-C. MUST NOT EXCEED THE AREAS SHOWN FOR FLAT MEMBER ANTENNAS.
3. WIND SPEEDS SHOWN FOR FLAT MEMBER ANTENNAS ARE IN FEET PER SECOND (FPS). WIND SPEEDS SHOWN FOR ROUND MEMBER ANTENNAS ARE IN MILES PER HOUR (MPH).
4. HAVING A TOTAL EFFECTIVE PROJECTED AREA EQUAL TO 8.0 SQUARE FEET FOR SIDE ARM DETAILS (P/N SA253UA). SEE DWG. C821662
5. DESIGN ASSUMES 1/2" & 7/8" DIA. LINES ON EACH TOWER FACE
6. TOWER DESIGNS 200 FEET AND OVER INCLUDE 2.0 SQUARE FEET OF EFFECTIVE PROJECTED AREA FOR A BEACON (DEDUCT ONE 7/8" LINE FOR BEACON.)
7. ANCHOR RADIUS IS FROM TOWER BASE TO INTERSECTION OF ROD WITH GROUND.
8. TOWER DESIGNS AND GUY CHORD LENGTHS SHOWN ARE BASED ON LEVEL GROUND. ADD 6 PERCENT TO CHORD LENGTHS (FOR SAG AND CONNECTIONS) FOR FINAL AT 60 DEGREES FAHRENHEIT. INITIAL TENSION FOR GUY WIRES IN POUNDS DO NOT INSTALL OR DISMANTLE TOWERS WITHIN FALLING DISTANCE OF ELECTRICAL AND/OR TELEPHONE LINES.
9. TOWER ERECTION AND DISMANTLING MUST BE BY QUALIFIED AND EXPERIENCED TEMPORARY STEEL GUYS. WHEN REQUIRED DURING ERECTION OR DISMANTLING, MUST BE SUPPLIED AND INSTALLED BY THE ERECTOR.
10. ALL ANTENNA INSTALLATIONS MUST BE GROUNDED IN ACCORDANCE WITH LOCAL AND NATIONAL CODES.
11. EXTRA CABLE CLAMPS HAVE BEEN PROVIDED FOR TURNBUCKLE SAFETY AND FOR INTERMEDIATE REVISION.
12. FOR GUY HARDWARE INSTALLATION DETAILS SEE DWG. A87156E.

TOWER HT.	BASE PIER		ANCHOR DATA		ANCHOR ROD SLOPE	
	REF. DWG.	NO.	REF. DWG.	NO.	ROD ANGLE HOR.	SLOPE HOR. / VERT.
40'	C82	3,730	4A	GAR30	44.5	12 / 11.8
50'	C82	4,070	4A	GAR30	45.9	11.6 / 12.0
60'	C82	4,990	4A	GAC303	42.5	12 / 11.0
70'	C82	4,940	4A	GAC303	42.8	12 / 11.1
80'	C82	5,360	4A	GAC303	43.1	12 / 11.2
90'	C82	5,740	4A	GAC303	43.0	12 / 10.1
100'	C82	6,490	4A	GAC303	40.8	12 / 10.4
110'	C82	6,930	4A	GAC303	40.7	12 / 10.3
120'	C82	7,260	4A	GAC34550I	40.3	12 / 10.2
130'	C82	7,680	4A	GAC34550I	39.8	12 / 10.0
140'	C82	8,540	4B	GAC34550I	39.0	12 / 9.7
150'	C82	8,960	4B	GAC34550I	39.0	12 / 9.7
160'	C82	9,490	4B	GAC34550I	39.0	12 / 9.7

RI REV'D EIA-222-D TO EIA-222-E

No. Revision Description Date Rev. By Ckd. By App'd By

9-10-91 RKB J/T

Title: **R O H N**

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Drawn: GFW 9-1-87
 Checked: WRF 9-30-87
 App. Eng.: RAM 10-1-87

Scale: NONE

GUYING DETAILS FOR 40'-160' 45G TOWERS 90 MPH BASIC WIND SPEED (NO ICE)

ENG. FILE: C870478 RI