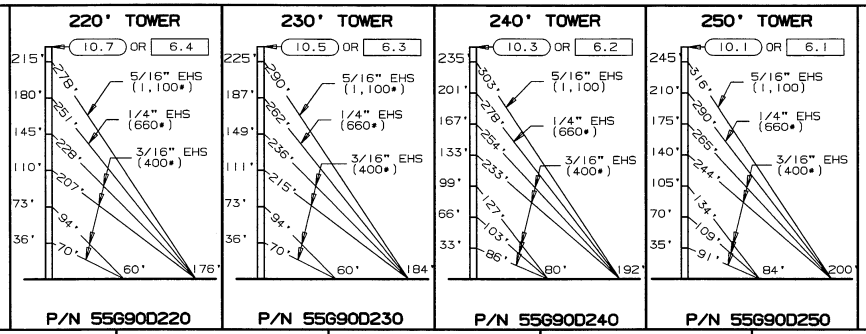
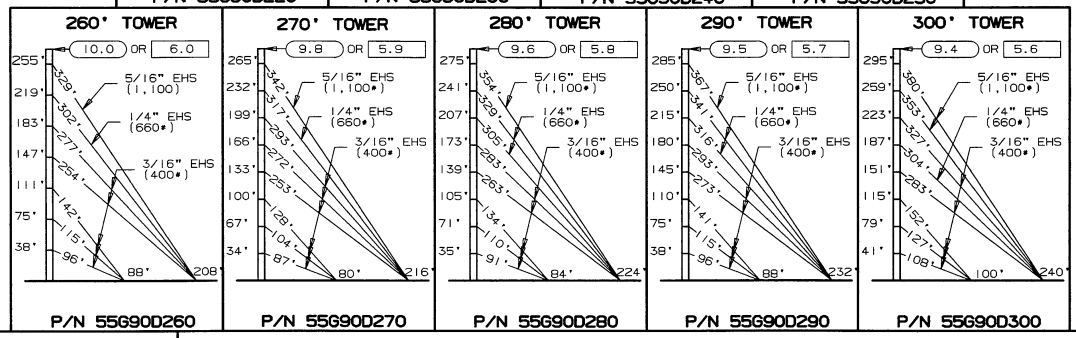
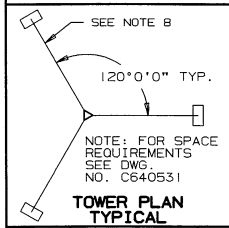
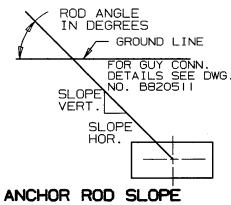






TOWER PLAN TYPICAL



ANCHOR ROD SLOPE

GENERAL NOTES

1. TOWER DESIGN IN ACCORDANCE WITH APPROVED NATIONAL STANDARD ANSI/EIA-222-E-1991 (NO ICE)
2. ▭ ALLOWABLE PROJ. AREA (SQ. FT.) FOR ROUND MEMBER ANTENNAS. ▭ ALLOWABLE PROJ. AREA (SQ. FT.) FOR FLAT MEMBER ANTENNAS.
3. EQUIVALENT FLAT-PLATE ANTENNA AREAS, BASED ON EIA RS-222-C, MUST NOT EXCEED THE AREAS SHOWN FOR FLAT MEMBERS ANTENNAS.
4. TOWER DESIGNS INCLUDE THREE SIDE ARMS, SYMMETRICALLY PLACED, HAVING A TOTAL EFFECTIVE PROJECTED AREA EQUAL TO 8.0 SQUARE FEET. FOR SIDE ARM DETAILS (P/N SA253UA). SEE DWG. C821662 LATEST REVISION.
5. DESIGN ASSUME TWO 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 CUT LENGTHS. ( ) INDICATES INITIAL TENSION FOR GUY WIRES IN POUNDS AT 60 DEGREES FAHRENHEIT.
9. DO NOT INSTALL OR DISMANTLE TOWERS WITHIN FALLING DISTANCE OF ELECTRICAL AND/OR TELEPHONE LINES.
10. TOWER ERECTION AND DISMANTLING MUST BE BY QUALIFIED AND EXPERIENCED PERSONNEL.
11. TEMPORARY STEEL GUYS, WHEN REQUIRED DURING ERECTION OR DISMANTLING, MUST BE SUPPLIED AND INSTALLED BY THE ERECTOR.
12. INSTALL WARNING PLATE (P/N ACWS) IN A HIGHLY VISIBLE LOCATION.
13. ALL ANTENNA INSTALLATIONS MUST BE GROUNDED IN ACCORDANCE WITH LOCAL AND NATIONAL CODES.
14. EXTRA CABLE CLAMPS HAVE BEEN PROVIDED FOR TURNBUCKLE SAFETY REQUIREMENTS. FOR DETAILS SEE DWG. B680324 LATEST REVISION.
15. FOR GUY HARDWARE INSTALLATION DETAILS SEE DWG. A871382.

TOWER HT.	BASE PIER REF. DWG. C610621 NO.	BASE PIER REAC. LBS.	INNER ANCHOR DATA REF. DWG.: BLOCK-C620643; ROD-C660415 BLOCK NO.	ROD NO.	ROD ANGLE	SLOPE HOR.	SLOPE VERT.	REAC. LBS. HOR.	REAC. LBS. VERT.	OUTER ANCHOR DATA REF. DWG.: BLOCK-C620643; ROD-C660415 BLOCK NO.	ROD NO.	ROD ANGLE	SLOPE HOR.	SLOPE VERT.	REAC. LBS. HOR.	REAC. LBS. VERT.
220'	CB2	18,390	4A	GAC303	41.9	12	10.8	1,880	1,690	4E	GAC345501	43.4	12	11.3	7,040	6,650
230'	CB2	19,010	4A	GAC303	42.0	12	10.8	1,870	1,680	4E	GAC345501	43.0	12	11.2	7,400	6,910
240'	CB2	20,430	4A	GAC303	39.7	12	10.0	2,740	2,280	4E	GAC345501	44.0	12	11.6	7,310	7,060
250'	CB2	21,410	4A	GAC303	40.0	12	10.1	2,920	2,450	4E	GAC345501	44.0	12	11.6	7,590	7,320
260'	CB3	22,250	4A	GAC303	40.3	12	10.2	3,040	2,580	4E	GAC345501	44.0	12	11.6	7,830	7,560
270'	CB3	23,280	4A	GAC303	39.9	12	10	2,690	2,250	6A	GAC565501	42.9	12	11.1	9,140	8,480
280'	CB3	24,610	4A	GAC303	40.0	12	10.1	2,830	2,380	6A	GAC565501	42.8	12	11.1	9,690	8,980
290'	CB3	25,530	4A	GAC303	40.1	12	10.1	2,960	2,490	6A	GAC565501	42.9	12	11.1	10,010	9,290
300'	CB3	26,880	4A	GAC303	38.0	12	9.4	3,170	2,480	6A	GAC565501	42.8	12	11.1	10,750	9,960

No.	Revision Description	Date	Rev By	Ckd By	Appd By
R2	REV'D GUY WIRE SIZE AT 207'±ELEV. WAS 3/16EHS	4-6-94	RKB	KTL	TS
R1	REV'D EIA-222-D TO EIA-222-E	9-10-91	RKB	KTL	TS

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ROHN

	By	Date
Scale: NONE		
Drawn:	GPW	9-01-87
Checked:	WRF	9-18-87
App. Eng.:	RAM	9-30-87
App. Sales:	AE	2-12-88

Title: GUYING DETAILS FOR 220'-300' 55G TOWERS 90 MPH BASIC WIND SPEED

ENG. FILE:

DRAWING NO.: C870497 R2