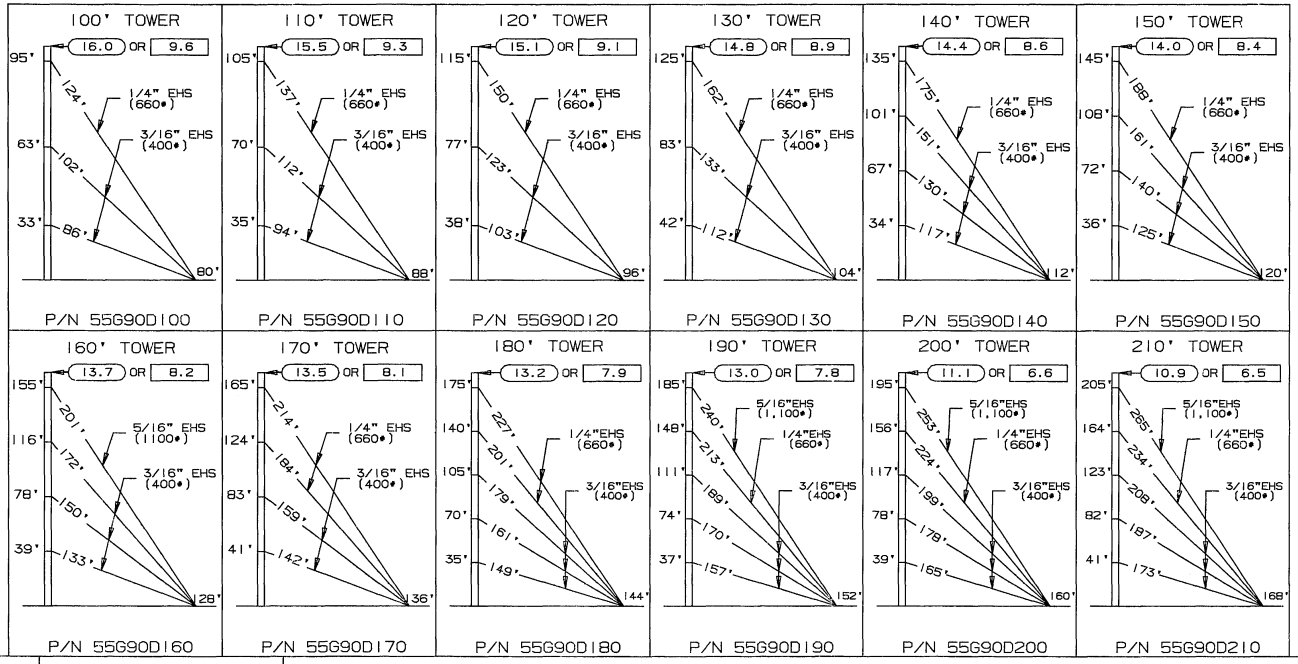
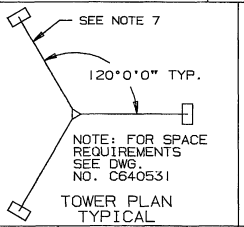
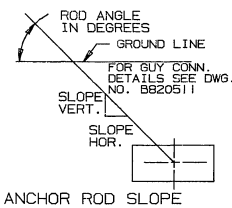




TOWER PLAN TYPICAL



ANCHOR ROD SLOPE

GENERAL NOTES

1. TOWER DESIGNS ARE 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 MEMBER 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. DESIGNS 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. B880324 LATEST REVISION.
15. FOR GUY HARDWARE INSTALLATION DETAILS SEE DWG. A871382.

TOWER HT.	BASE PIER REF. DWG. C610621 NO.	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.
100'	CB2	7,630	4A	GAC3455	41.8	12	10.7	3,530	3,150
110'	CB2	8,080	4A	GAC3455	41.5	12	10.6	3,760	3,340
120'	CB2	8,650	4B	GAC3455	41.3	12	10.5	4,080	3,580
130'	CB2	9,130	4B	GAC3455	41.2	12	10.5	4,300	3,760
140'	CB2	10,000	4B	GAC3455	39.5	12	9.9	5,040	4,160
150'	CB2	10,500	4B	GAC3455	39.4	12	9.9	5,300	4,350
160'	CB2	11,570	4C	GAC3455	39.8	12	10	5,930	4,950
170'	CB2	11,900	4D	GAC3455	39.3	12	9.8	6,140	5,020
180'	CB2	12,870	4D	GAC3455	38.5	12	9.5	6,980	5,540
190'	CB2	14,090	4E	GAC3455	38.9	12	9.7	7,670	6,190
200'	CB2	14,640	4E	GAC3455	38.8	12	9.7	7,970	6,410
210'	CB2	15,290	4E	GAC3455	38.7	12	9.6	8,360	6,690

No.	Revision Description	Date	Rev By	Ckd By	Appd By
R2	REV'D 120' TO 110' FOR P/N 55G90D110	11/10/92	CSR	WDH	TS
R1	REV'D EIA-222-D TO EIA-222-E-1991	7-24-92	RKB	WMN	TS

THIS DRAWING IS THE PROPERTY OF ROHN. IT IS NOT TO BE REPRODUCED, COPIED OR TRACED IN WHOLE OR IN PART WITHOUT OUR WRITTEN CONSENT.

ROHN

	By	Date
Scale: NONE		
Drawn:	GPW/WDL	9-1-87
Checked:	WRF	9-18-87
App. Eng.:	RAM	9/30/87
App. Sales:	AE	2-12-87

Title: GUYING DETAILS FOR 100'-210' 55G TOWERS 90 MPH BASIC WIND SPEED (NO ICE)

ENG. FILE:

DRAWING NO.: C870496 R2