



ELEVATION

TOWER ASSEMBLY NUMBER	TOWER HEIGHT (FEET)	TOP SECTION	BASE SECTION PART NO.	# A-BOLTS 12 REQ'D	FACE SPREAD	ALLOWABLE PROJECTED AREA (SQ. FT.)		BASE REACTIONS			
						TOWER TOP ROUNDS OR FLATS	30 FEET BELOW TOP ROUNDS OR FLATS	DOWNLOAD (POUNDS)	UPLIFT (POUNDS)	TOTAL SHEAR (POUNDS)	OTM FOOT (POUNDS)
SS040D90	40	3WN	4N	SB4	2' 2	16.7	10.0	20.0	19,800	1,700	38,100
SS050D90	50	3WNB	5N	SB5	2' 6	16.7	10.0	20.0	27,900	26,600	58,900
SS060D90	60	3WN	5N	SB5	2' 6	14.2	8.5	17.5	33,700	32,400	71,400
SS070D90	70	3WNB	6N	5/8X42AB	4' 6 1/4	14.2	8.5	17.5	27,100	25,500	103,100
SS080D90	80	3WN	6N	5/8X42AB	4' 6 1/4	12.5	7.5	15.8	31,300	29,600	119,300
SS090D90	90	3WNB	7N	5/8X42AB	6' 6 3/4	12.5	7.5	15.8	31,100	29,100	169,900
SS100D90	100	3WN	7N	5/8X42AB	6' 6 3/4	10.0	6.0	13.3	33,100	30,900	180,600
SS110D90	110	3WNB	8N	5/8X42AB	8' 6 3/4	10.0	6.0	13.3	36,000	33,400	255,500
SS120D90	120	3WN	8N	5/8X42AB	8' 6 3/4	8.3	5.0	11.7	38,100	35,400	270,300
SS130D90	130	3WNB	9NH	5/8X42AB	10' 6 3/4	8.3	5.0	11.7	42,900	39,700	6,520
SS140D90	140	3WN	9NH	5/8X42AB	10' 6 3/4	6.7	4.0	10.0	44,500	41,200	6,540
SS150D90	150	3WNB	10NH	3/4X48AB	12' 7 1/4	6.7	4.0	10.0	50,900	47,000	8,280
SS160D90	160	3WN	10NH	3/4X48AB	12' 7 1/4	5.8	3.5	8.3	52,700	48,700	8,330
SS170D90	170	3WNB	11N	7/8X60AB	14' 7 7/8	5.8	3.5	8.3	60,900	56,000	10,570
SS180D90	180	3WN	11N	7/8X60AB	14' 7 7/8	5.0	3.0	7.5	62,900	57,900	10,650
SS190D90	190	3WNB	12NH	7/8X60AB	16' 8 3/8	5.0	3.0	7.5	73,000	66,900	13,060

* ANCHOR BOLTS OR BASE PART NO.

GENERAL NOTES

- TOWER DESIGNS ARE IN ACCORDANCE WITH APPROVED NATIONAL STANDARD ANSI/EIA-222-E-1991 (NO ICE).
- EQUIVALENT FLAT-PLATE ANTENNA AREAS BASED ON EIA RS-222-C MUST NOT EXCEED THE AREAS SHOWN FOR FLAT MEMBER ANTENNAS.
- TOWER DESIGNS ASSUME ALLOWABLE PROJECTED AREAS ARE SYMMETRICALLY PLACED ON THE TOWER.
- DESIGNS ASSUME ONE 7/8 LINE TO TOP AND TWO 7/8 LINES TO 30 FEET BELOW TOP, ONE PER FACE.
- DO NOT INSTALL OR DISMANTLE TOWERS WITHIN FALLING DISTANCE OF ELECTRICAL AND/OR TELEPHONE LINES.
- TOWER ERECTION AND DISMANTLING MUST BE BY QUALIFIED AND EXPERIENCED PERSONNEL.
- INSTALL WARNING PLATE (P/N ACWS) IN A HIGHLY VISIBLE LOCATION.
- ALL ANTENNA INSTALLATIONS MUST BE GROUNDED IN ACCORDANCE WITH LOCAL AND NATIONAL CODES.
- FOR SECTION ASSEMBLY DETAILS AND PART NUMBERS SEE DRAWING E660101.
- FOR ADDITIONAL BRACING, GROUTING AND DRAINAGE DETAILS SEE DRAWING SK720305.
- FOR TAPERED TOP DETAILS SEE DRAWING SK670407.
- ALL TOWERS WITH 3WN TOP SECTION PROVIDED WITH (P/N 3TT) TAPERED TOP.
- ALL TOWERS WITH 3WNB TOP SECTION PROVIDED WITH (P/N 4TTN) TAPERED TOP.
- FOR STEP BOLT DETAILS SEE DRAWING B651264.
- FOR FOUNDATION DETAILS SEE DRAWING D8704B3.

REV. NOTE 1 WAS EIA-222-D

11-11-91 RKB 272-75

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40' TO 190' MODEL SSV TOWERS
90 MPH WIND SPEED ANSI/EIA-222-E
(NO ICE)

RoHN

Scale: NONE
By: WDU 9/22/87
Drawn: GPM 9/25/87
Checked: RAM 9/30/87
App. Eng.: AE
App. Sales: AE

DATE: 12-12-88
ENG. FILE: CB70699 RI