



ELEVATION

TOWER ASSEMBLY NUMBER	TOWER HEIGHT (FEET)	TOP SECTION	BASE SECTION		ALLOWABLE PROJECTED AREA (SQ. FT.)		BASE REACTIONS				
			* A-BOLTS PART NO.	FACE SPREAD	TOWER TOP ROUNDS OR FLATS	30 FEET BELOW TOP ROUNDS OR FLATS	DOWNLOAD (POUNDS)	UPLIFT (POUNDS)	TOTAL SHEAR (POUNDS)	OTM (FOOT POUNDS)	
SS040070	40	2W	3N3	1' 10	16.7	10.0	20.0	14,300	13,500	970	22,000
SS050070	50	1WB	3N3	1' 10	15.0	9.0	18.3	19,200	18,400	970	29,700
SS060070	60	2W	3N4	2' 2	15.0	9.0	18.3	23,000	21,900	1,110	42,100
SS070070	70	1WB	3N4	2' 2	13.3	8.0	16.7	27,300	26,100	1,130	50,000
SS080070	80	2W	3N5	2' 6	11.7	7.0	15.0	31,600	30,100	1,320	66,500
SS090070	90	1WB	3N5	2' 6	11.7	7.0	15.0	35,200	33,600	1,330	74,200
SS100070	100	2W	5/8X42AB	4' 6 1/4	11.7	7.0	15.0	26,000	24,100	1,850	97,900
SS110070	110	1WB	5/8X42AB	4' 6 1/4	10.0	6.0	14.2	28,200	26,200	1,870	106,300
SS120070	120	2W	5/8X42AB	6' 6 3/4	10.0	6.0	14.2	26,300	24,000	2,510	141,700
SS130070	130	1WB	5/8X42AB	6' 6 3/4	9.2	5.5	13.3	28,300	25,900	2,540	152,600
SS140070	140	2W	5/8X42AB	8' 6 3/4	9.2	5.5	13.3	29,200	26,300	3,310	204,100
SS150070	150	1WB	5/8X42AB	8' 6 3/4	8.3	5.0	12.5	30,800	27,800	3,340	215,300
SS160070	160	2W	5/8X42AB	10' 6 3/4	8.3	5.0	12.5	33,300	29,900	4,230	266,400
SS170070	170	1WB	5/8X42AB	10' 6 3/4	7.5	4.5	12.5	34,900	31,500	4,280	301,000
SS180070	180	2W	10N	3/4X48AB	12' 7 1/4	7.5	12.5	38,500	34,500	5,350	395,700
SS190070	190	1WB	10N	3/4X48AB	12' 7 1/4	6.7	11.7	39,700	35,600	5,380	407,700

* ANCHOR BOLTS OR BASE PART NO.

GENERAL NOTES

1. TOWER DESIGNS ARE IN ACCORDANCE WITH APPROVED NATIONAL STANDARD ANSI/EIA-222-E-1991 (NO ICE).
2. EQUIVALENT FLAT-PLATE ANTENNA AREAS, BASED ON EIA RS-222-C, MUST NOT EXCEED THE AREAS SHOWN FOR FLAT MEMBER ANTENNAS.
3. TOWER DESIGNS ASSUME ALLOWABLE PROJECTED AREAS ARE SYMMETRICALLY PLACED ON THE TOWER.
4. DESIGNS ASSUME ONE 7/8 LINE TO TOP AND TWO 7/8 LINES TO 30 FEET BELOW TOP, ONE PER FACE.
5. DO NOT INSTALL OR DISMANTLE TOWERS WITHIN FALLING DISTANCE OF ELECTRICAL AND/OR TELEPHONE LINES.
6. TOWER ERECTION AND DISMANTLING MUST BE BY QUALIFIED AND EXPERIENCED PERSONNEL.
7. INSTALL WARNING PLATE (P/N ACWS) IN A HIGHLY VISIBLE LOCATION.
8. ALL ANTENNA INSTALLATIONS MUST BE GROUNDED IN ACCORDANCE WITH LOCAL AND NATIONAL CODES.
9. FOR SECTION ASSEMBLY DETAILS AND PART NUMBERS SEE DRAWING E690B00.
10. FOR ADDITIONAL BRACING, GROUTING AND DRAINAGE DETAILS SEE DRAWING SK720505.
11. FOR TAPERED TOP DETAILS SEE DRAWING SK670407.
12. ALL TOWERS PROVIDED WITH (P/N ITT) TAPERED TOP.
13. FOR STEP BOLT DETAILS SEE DRAWING B651264.
14. FOR FOUNDATION DETAILS SEE DRAWING DB70480.

REV.	NO.	REVISION DESCRIPTION	DATE	BY	CHKD BY
1	1	WAS - EIA-222-D	11-11-91	RKB	JZ
THIS DRAWING IS THE PROPERTY OF SSV. IT IS NOT TO BE REPRODUCED, COPIED OR TRACED IN WHOLE OR IN PART WITHOUT OUR WRITTEN CONSENT.					
Title: 40' TO 190' MODEL SSV TOWERS 70 MPH WIND SPEEDS ANSI/EIA-222-E (NO ICE)				R O H N	
Drawn:	By:	Date:			
Checked:	WPU	9-2-87			
App. Eng.:	RAM	9-30-87			
App. Supt.:	AE	2-12-88			
ENG. FILE:			DRAWING NO.: C870698 RI		