

70FT S200 SUPERTITAN TOWER

15" H/H
18" H/H
21" H/H
24" H/H
27" H/H
30" H/H
33" H/H
36" H/H

TOP
SECTION #2

SECTION #3

SECTION #4

SECTION #5

SECTION #6

SECTION #7

SECTION #8

MAXIMUM ALLOWABLE ANTENNA AREA - PER TIA/EIA 222 REV. F						
WIND VELOCITY RATINGS						
NO ICE (ROUND/FLAT)			1/2" ICE (ROUND/FLAT)			
70 mph	90 mph	100 mph	70 mph	90 mph	100 mph	
30/21	10/7	4/2	30/27	10/7	4/2	

FOUNDATION LOADS:

MAX. OVERTURNING MOMENT (K*FT) =

MAX. SHEAR (kips) =

MAX. AXIAL (kips) =

MAXIMUM ALLOWABLE ANTENNA AREA – PER TIA/EIA 222 REV. G, CLASS 1 (NO ICE)						
U S A	WIND VELOCITY RATINGS					
	90 mph 3sg		110mph 3sg		120 mph 3sg	
	75 mph FM		90 mph FM		100 mph FM	
	3sg = 3 SECOND GUST WINDSPEED		FM = FASTEST MILE WINDSPEED			
	ROUND	FLAT	ROUND	FLAT	ROUND	FLAT
	39	27	20	14	13	9

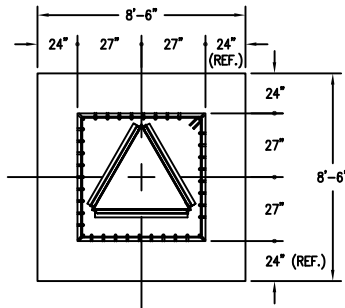
FOUNDATION LOADS:

MAX. OVERTURNING MOMENT (K*FT) =

MAX. SHEAR (kips) =

MAX. AXIAL (kips) =

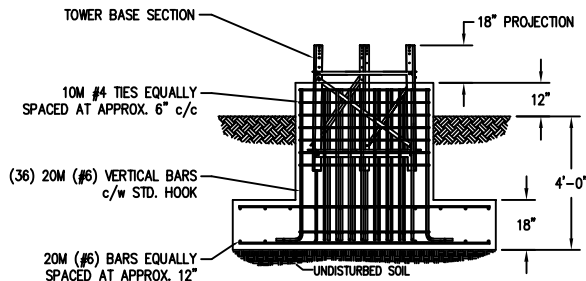
5' EMBEDMENT SECTION
INCLUDED IN KITS



CUBIC YARDS OF CONCRETE		
PAD CONC VOL.	PIER CONC VOL.	TOTAL VOL.
4.0	2.6	6.6

FOUNDATION DESIGN (NORMAL DRY SOIL)

DESIGN ASSUMES THAT FROST DEPTH IS LESS THAN 4'-0"



- NOTES: 1) KNOCK-DOWN PART NUMBER 5.94.0200.070.
2) PRE-ASSEMBLED PART NUMBER: 5.95.0200.070.
3) ANTENNA LOADS ARE CENTRALLY LOCATED AND BALANCED, 3'-FT OR LESS ABOVE THE TOWER TOP.
4) WIND LOADING ASSUMES (1) 1/2" TRANSMISSION LINE PER 10 SQ.FT. OF ROUND MEMBER ANTENNA AREA.

REV.	BY:	CHK:	DESCRIPTION	DATE

REFERENCE DRAWINGS:

DRAWING NUMBER	DRAWING NUMBER
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DRAWING NO.
000001.620.0182

CUSTOMER: SITE: SCALE: 115

DATE: 08 FEB 07 BY: CHK: APP:

TITLE:
70FT S200 SUPERTITAN PROFILE