

100FT S510 SUPERTITAN TOWER

2' H/H

2.25' H/H

2.5' H/H

2.75' H/H

3' H/H

3.25' H/H

3.5' H/H

3.75' H/H

4' H/H

5' H/H

6' H/H

TOP
SECTION #5

SECTION #6

SECTION #7

SECTION #8

SECTION #9

SECTION #10HD

SECTION #11HD

SECTION #12HD

SECTION #13

SECTION #14

U S A	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

FOUNDATION LOADS:

MAX. OVERTURNING MOMENT (K*FT) =

MAX. SHEAR (kips) =

MAX. AXIAL (kips) =

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

FOUNDATION LOADS:

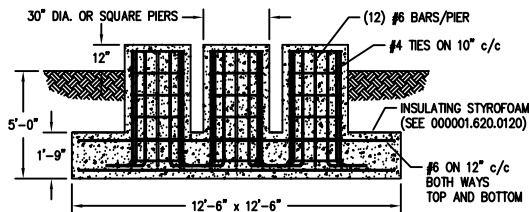
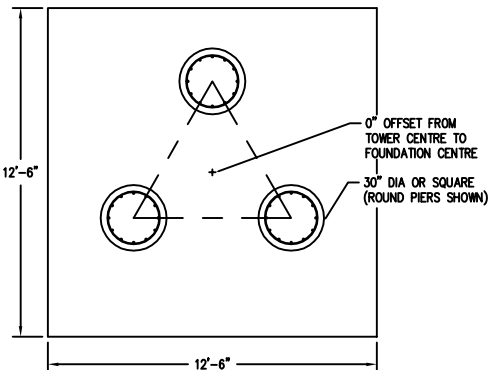
MAX. OVERTURNING MOMENT (K*FT) =

MAX. SHEAR (kips) =

MAX. AXIAL (kips) =

5' EMBEDMENT SECTION
INCLUDED IN KITS

FOUNDATION DESIGN (NORMAL DRY SOIL)



CUBIC YARDS of CONCRETE				
PAD	RND PIER	SQ PIER	TOTAL RND	TOTAL SQ
10.13	0.77	0.98	12.45	13.08

- NOTES: 1) KNOCK-DOWN PART NUMBER 5.94.0510.100.
2) PRE-ASSEMBLED PART NUMBER: NOT AVAILABLE.
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:	BY:	DESCRIPTION	DATE
	REV.	CHK.		

REFERENCE DRAWINGS:

DRAWING NUMBER	DRAWING NUMBER

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DRAWING NO. TBD

CUSTOMER: SITE: SCALE: 140

DATE: 12 FEB 07 BY: CHK: APP:

TITLE: 100FT S510 SUPERTITAN PROFILE