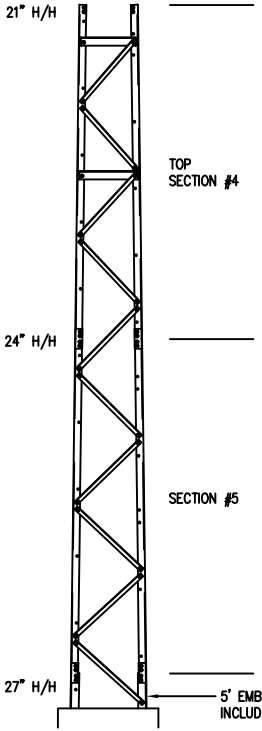
20FT S400 SUPERTITAN TOWER

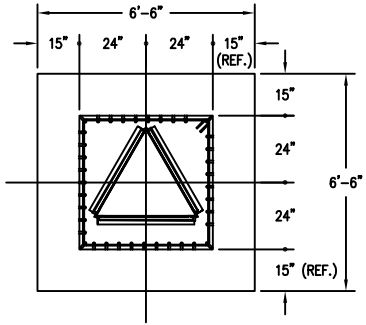


USA	MAXIMUM ALLOWABLE ANTENNA AREA – PER TIA/EIA 222 REV. F					
	WIND VELOCITY RATINGS					
	NO ICE (ROUND/FLAT)			1/2" ICE (ROUND/FLAT)		
	70 mph	90 mph	100 mph	70 mph	90 mph	100 mph
	140/100	80/57	60/42	125/89	65/46	53/47

FOUNDATION LOADS:
MAX. OVERTUNRING MOMENT (K*FT) =
MAX. SHEAR (kips) =
MAX. AXIAL (kips) =

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

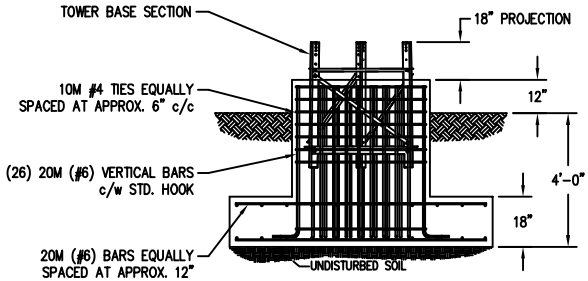
FOUNDATION LOADS:
MAX. OVERTUNRING MOMENT (K*FT) =
MAX. SHEAR (kips) =
MAX. AXIAL (kips) =



CUBIC YARDS OF CONCRETE		
PAD CONC VOL.	PIER CONC VOL.	TOTAL VOL.
2.4	2.1	4.5

FOUNDATION DESIGN (NORMAL DRY SOIL)

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



REV.	BY: REV.	BY: CHK.	DESCRIPTION	DATE

REFERENCE DRAWINGS:

DRAWING NUMBER	DRAWING NUMBER

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Trylon

DRAWING NO. 000001.620.0149

CUSTOMER:	SITE:	SCALE: 35
DATE: 02 FEB 07	BY:	CHK: APP:

TITLE: 20FT S400 SUPERTITAN PROFILE

NOTES:
1) KNOCK–DOWN PART NUMBER 5.94.0400.020.
2) PRE–ASSEMBLED PART NUMBER: 5.95.0400.020.
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.