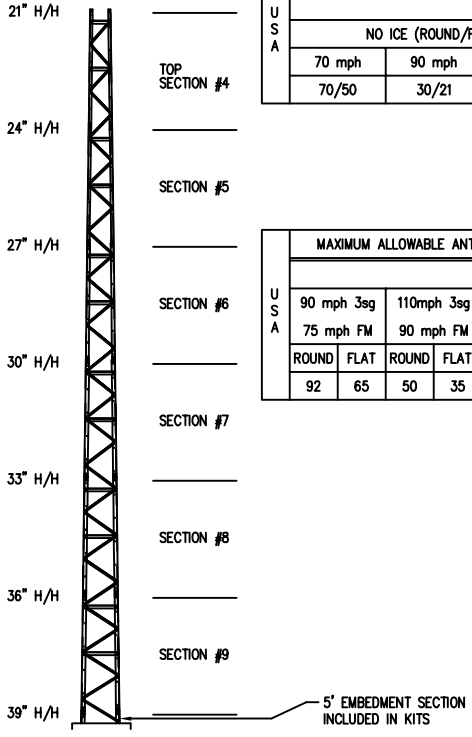
# 60FT S400 SUPERTITAN TOWER

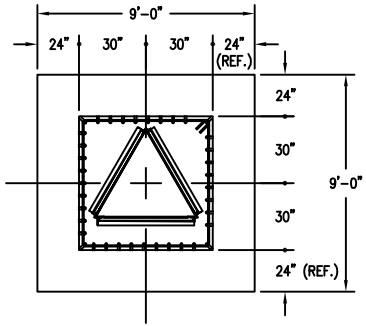



| USA | MAXIMUM ALLOWABLE ANTENNA AREA – PER TIA/EIA 222 REV. F | | | | | |
|---|---|---|---|---|---|---|
| | WIND VELOCITY RATINGS | | | | | |
| | NO ICE (ROUND/FLAT) | | | 1/2" ICE (ROUND/FLAT) | | |
| | 70 mph | 90 mph | 100 mph | 70 mph | 90 mph | 100 mph |
| | 70/50 | 30/21 | 19/13 | 63/45 | 29/20 | 17/12 |

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<br>75 mph FM | | 110mph 3sg<br>90 mph FM | | 120 mph 3sg<br>100 mph FM | | 3sg = 3 SECOND GUST WINDSPEED<br>FM = FASTEST MILE WINDSPEED |
| | ROUND | FLAT | ROUND | FLAT | ROUND | FLAT | |
| | 92 | 65 | 50 | 35 | 37 | 26 | |

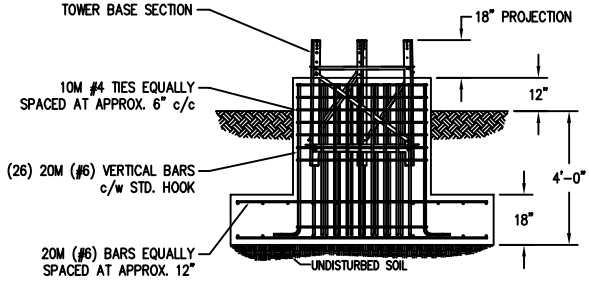
FOUNDATION LOADS:
MAX. OVERTUNRING MOMENT (K*FT) =
MAX. SHEAR (kips) =
MAX. AXIAL (kips) =




| CUBIC YARDS OF CONCRETE | | |
|---|---|---|
| PAD CONC VOL. | PIER CONC VOL. | TOTAL VOL. |
| 4.5 | 3.2 | 7.7 |

## FOUNDATION DESIGN (NORMAL DRY SOIL)

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




NOTES:
1) KNOCK-DOWN PART NUMBER 5.94.0400.060.
2) PRE-ASSEMBLED PART NUMBER: 5.95.0400.060.
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: REV. | BY: CHK. | DESCRIPTION | DATE |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |

REFERENCE DRAWINGS:

| DRAWING NUMBER | DRAWING NUMBER |
|---|---|
| | |
| | |
| | |
| | |
| | |
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| | |

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DRAWING NO. 000001.620.0174

| CUSTOMER: | SITE: | SCALE: 100 |
|---|---|---|
| DATE: 07 FEB 07 | BY: | CHK: APP: |

TITLE: 60FT S400 SUPERTITAN PROFILE