

# 80FT S300 SUPERTITAN TOWER

18" H/H  
21" H/H  
24" H/H  
27" H/H  
30" H/H  
33" H/H  
36" H/H  
39" H/H  
42" H/H



TOP SECTION #3  
SECTION #4  
SECTION #5  
SECTION #6  
SECTION #7  
SECTION #8  
SECTION #9  
SECTION #10

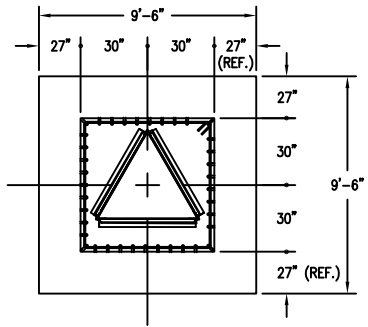
|             |   |        |         |                       |        |         |
|-------------|---|--------|---------|-----------------------|--------|---------|
| U<br>S<br>A | MAXIMUM ALLOWABLE ANTENNA AREA - PER TIA/EIA 222 REV. F |        |         |                       |        |         |
|             | WIND VELOCITY RATINGS                                   |        |         |                       |        |         |
|             | NO ICE (ROUND/FLAT)                                     |        |         | 1/2" ICE (ROUND/FLAT) |        |         |
|             | 70 mph  | 90 mph | 100 mph | 70 mph                | 90 mph | 100 mph |
|             | 35/25   | 4/2    | --/--   | 30/21                 | 4/4    | --/--   |

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

|             |   |      |            |      |             |      |
|-------------|---|------|------------|------|-------------|------|
| U<br>S<br>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 |      |
|             | 75 mph FM   |      | 90 mph FM  |      | 100 mph FM  |      |
|             | ROUND   | FLAT | ROUND      | FLAT | ROUND       | FLAT |
| 50          | 35  | 20   | 14         | 10   | 7           |      |

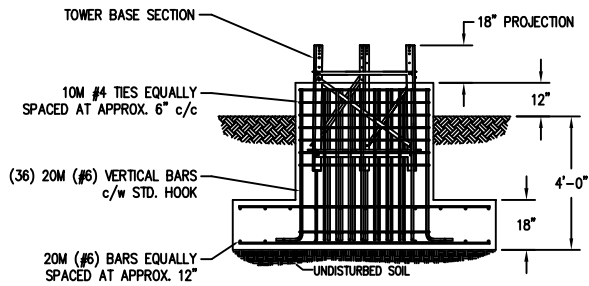
**FOUNDATION LOADS:**  
MAX. OVERTURNING MOMENT (K\*FT) =  
MAX. SHEAR (kips) =  
MAX. AXIAL (kips) =

5' EMBEDMENT SECTION INCLUDED IN KITS



| CUBIC YARDS OF CONCRETE |                |            |
|-------------------------|----------------|------------|
| PAD CONC VOL.           | PIER CONC VOL. | TOTAL VOL. |
| 5.0                     | 3.2            | 8.2        |

**FOUNDATION DESIGN (NORMAL DRY SOIL)**  
DESIGN ASSUMES THAT FROST DEPTH IS LESS THAN 4'-0"



| REV. | BY: | CHK: | DESCRIPTION | DATE |
|------|-----|------|-------------|------|
|      |     |      |             |      |
|      |     |      |             |      |
|      |     |      |             |      |

| REFERENCE DRAWINGS: |                |
|---------------------|----------------|
| DRAWING NUMBER      | DRAWING NUMBER |
|                     |                |
|                     |                |
|                     |                |
|                     |                |
|                     |                |
|                     |                |
|                     |                |

CONFIDENTIAL: ALL INTELLECTUAL PROPERTY RIGHTS HEREIN ARE THE PROPERTY OF TRYLON INC. ALL DUPLICATION, RECORDING, DISCLOSURE OR USE IS PROHIBITED WITHOUT WRITTEN CONSENT OF TRYLON INC.

**Trylon**

DRAWING NO. 000001.620.0194

CUSTOMER: SITE: SCALE: 130

DATE: 08 FEB 07 BY: CHK: APP:

TITLE: 80FT S300 SUPERTITAN PROFILE

- NOTES: 1) KNOCK-DOWN PART NUMBER 5.94.0300.080.  
2) PRE-ASSEMBLED PART NUMBER: 5.95.0300.080.  
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.