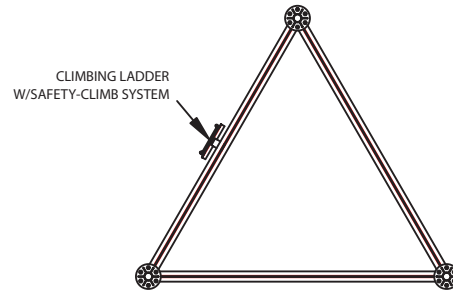
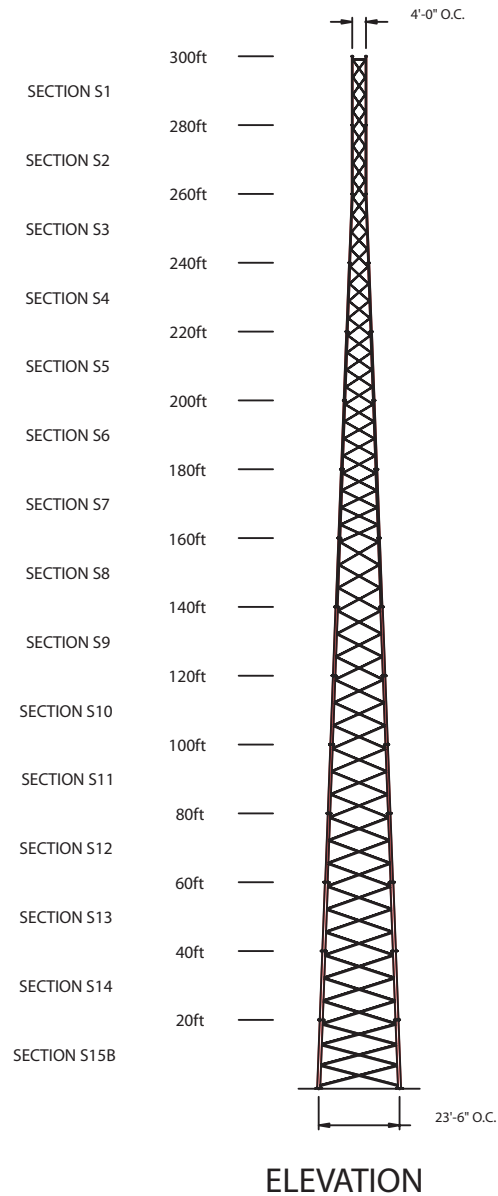


DIAGONALS	4x4 x 1/4"	3-1/2x3-1/2x1/4"	C	3-x3-x3/16 L	2-x2-x3/16 L	1-3/4 x 1-3/4 x 3/16 L	A36 (36ksi)
HORIZONTALS			NONE				A36 (36ksi)
BRACE BOLTS	(1) 7/8" Ø BOLT PER CONNECTION	(8) 1-1/4" Ø BOLTS PER LEG	(1) 3/4" Ø BOLT PER CONNECTION	(1) 3/4" Ø BOLTS PER LEG	(1) 15" Ø BOLT CONN.	(1) 11/20" BOLT PER CONNECTION	ASTM-A325
LEG-SPLICE BOLTS	(8) 1-1/4" Ø BOLT PER LEG			(8) 1" Ø LEG	(6) 1" Ø BOLTS PER LEG	(6) 3/4" Ø	ASTM-A325

A = 1-3/4" x 1-3/4" x 3/16" L, AT TOP, ONLY  
 B = 2-1/2" Sch 40 PIPE  
 C = 3" x 3" x 1/4" L



BASE REACTIONS:  
 TOTAL SHEAR = 83kips  
 AXIAL LOAD = 78kips  
 UPLIFT/LEG = 531kips  
 COMPRESSION/LEG = 583kips  
 OVERTURN MOMENT = 11333 ft-kips

LET	REVISION	DATE	APP'D
-	INITIAL RELEASE	12/28/04	D.S.

NOTES:

- TOWER IS DESIGNED TO CONFORM TO THE REQUIREMENTS OF EIA/TIA-222-F-1996, WITH CONSIDERATIONS OF 100mph WIND VELOCITY AND 1/2" RADIAL ICE, CONCURRENTLY.
- TOWER LOADING CRITERIA IS AS FOLLOWS:
  - 30sq. ft., 240lbs. ANTENNA AT THE 300ft TOWER ELEVATION, WITH (5) 7/8" FEEDLINES
  - OSHA COMPLIANT EXTERNAL CLIMBING LADDER WITH SAFETY-CLIMB SYSTEM
  - TOWER LIGHTNING PROTECTION/GROUNDING KIT
- ALL STRUCTURAL STEEL PIPE LEG MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF ASTM-A53, GRADE B (50ksi YIELD STRENGTH MATERIAL); ALL ADDITIONAL STRUCTURAL STEEL PLATES, BARS, RODS, ANGLES, SHAPES, ETC., SHALL CONFORM TO THE REQUIREMENTS OF ASTM-A36 (36ksi YIELD STRENGTH MATERIAL).
- ALL STRUCTURAL STEEL TOWER MEMBERS SHALL BE HOT-DIPPED GALVANIZED, AFTER FABRICATION, AND CONFORM TO THE REQUIREMENTS OF ASTM-A123.
- ALL BOLTS AND BOLTED CONNECTIONS SHALL BE HOT-DIPPED GALVANIZED AND CONFORM TO THE REQUIREMENTS OF ASTM-A325.
- ALL WELDED CONNECTIONS SHALL CONFORM TO THE LATEST REVISED CODE OF THE AMERICAN WELDING SOCIETY: A.W.S. D1.1-96.
- CUSTOM DESIGNS ARE AVAILABLE. PLEASE CONTACT THIS OFFICE FOR FURTHER DETAILS.
- BASELINE FOUNDATION DESIGN, AS SHOWN ON DRAWING PA9M-300-02, SHEETS 1 & 2, ARE BASED UPON NORMAL SOIL CONDITION, AS OUTLINED BY TIA/EIA-222-F-1996. IT IS STRONGLY RECOMMENDED THAT SOIL TESTS BE PERFORMED ON A BY-SITE BASIS, TO DETERMINE ADEQUACY OF DESIGN FOR THE ACTUAL SITE SOIL CONDITION.

SWAGER COMMUNICATIONS INC. FREMONT, INDIANA 46737			
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STANDARD DRAWING	SCALE 1:480	DWN APP'D	J.NEFF D.SWAGER
TITLE MODEL: PA9M-30055 <b>300ft TOWER ELEVATION</b>			
DATE 12/28/04	DRAWING NUMBER <b>PA9M-300-01</b>		