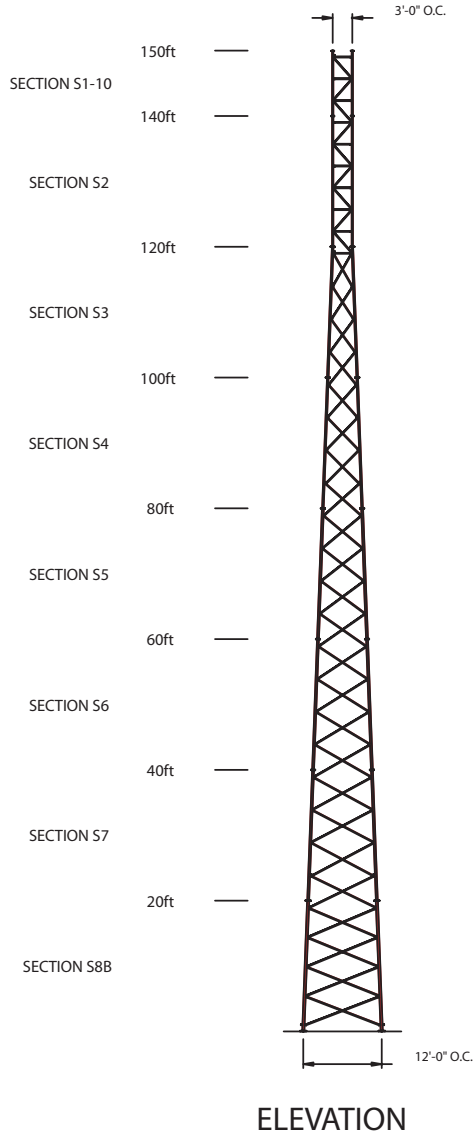


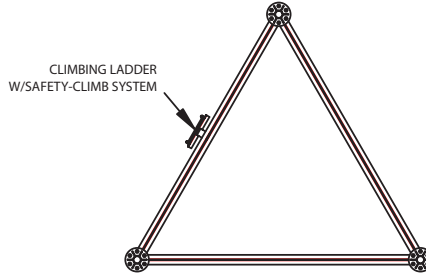
LEGS	3-1/2 Sch 80	3 Sch 80 PIPE	3 Sch 40 PIPE	2-1/2 Sch 80	2-1/2 Sch 40	2 Sch 40 PIPE	A33, Gr B (50ksi) A36 (36ksi) A36 (36ksi) ASTM-A325 ASTM-A325
DIAGONALS	2x2x1/8 L	1-3/4 x 1-3/4 x 1/8 L	NONE				
HORIZONTALS	(1) 5/8" Ø BOLT	(1) 1/2" Ø BOLT PER CONNECTION	(6) 5/8" Ø BOLTS PER LEG				
BRACE BOLTS							
LEG-SPLICE BOLTS							

A = 1-3/4" x 1-3/4" x 1/8" L



ELEVATION

BASE REACTIONS:
TOTAL SHEAR = 14kips
AXIAL LOAD = 12kips
UPLIFT/LEG = 96kips
COMPRESSION/LEG = 103kips
OVERTURN MOMENT = 1033 ft-kips



PLAN VIEW
SCALE = 1:72

LET	REVISION	DATE	APP'D
-	INITIAL RELEASE	01/06/05	D.S.

NOTES:

- TOWER IS DESIGNED TO CONFORM TO THE REQUIREMENTS OF EIA/TIA-222-F-1996, WITH CONSIDERATIONS OF 80mph WIND VELOCITY AND 1/2" RADIAL ICE, CONCURRENTLY.
- TOWER LOADING CRITERIA IS AS FOLLOWS:
 - 35sq. ft. ANTENNA AT THE 150ft TOWER ELEVATION, WITH (4) 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.
- AS SITE & SOIL CONDITIONS MAY VARY, FOUNDATION DESIGN SHOULD BE DETERMINED ON A BY-SITE BASIS. IT IS STRONGLY RECOMMENDED THAT SOIL COMPOSITION TESTS BE PERFORMED PRIOR TO TOWER PURCHASE.

SWAGER COMMUNICATIONS INC. FREMONT, INDIANA 46737			
THIS DRAWING IS THE PROPERTY OF SWAGER COMMUNICATIONS, INC. IT IS NOT TO BE REPRODUCED, COPIED, OR TRACED IN WHOLE, OR IN PART WITHOUT OUR WRITTEN CONSENT			
STANDARD DRAWING	SCALE 1:240	DWN J.NEFF	APP'D D.SWAGER
TITLE MODEL: PA9XL-150SS 150ft TOWER ELEVATION			
DATE 01/06/05	DRAWING NUMBER PA9XL-150-01		