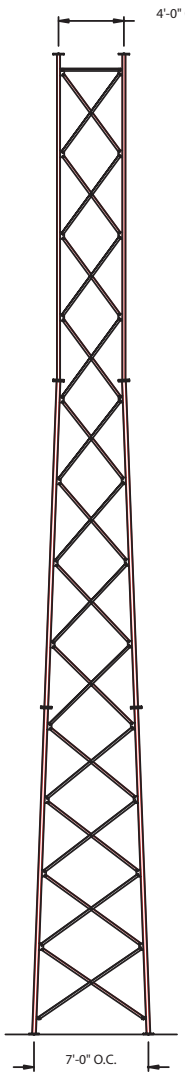
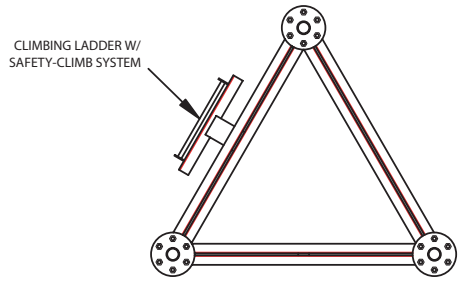
LEGS	2-1/2" SCH 80 PIPE	2-1/2" SCH 40 PIPE	2" SCH 40 PIPE	A53, Gr.B (50ksi)
DIAGONALS	1-3/4" x 1-3/4" x 3/16" L; X-BRACED			A36 (36ksi)
HORIZONTALS	NONE		A	A36 (36ksi)
BRACE BOLTS	(1) 1/2"Ø BOLT PER CONNECTION			ASTM-A325
LEG-SPLICE BOLTS		(6) 5/8"Ø BOLTS PER LEG		ASTM-A325



ELEVATION



PLAN VIEW
NOT TO SCALE

BASE REACTIONS:
TOTAL SHEAR = 8kips
AXIAL LOAD = 4kips
UPLIFT/LEG = 45kips
COMPRESSION/LEG = 48kips
OVERTURN MOMENT = 283ft-kips

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

NOTES:

1. 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.
2. TOWER LOADING CRITERIA IS AS FOLLOWS:
   A. 20sq. ft., 240lbs. ANTENNA AT THE 60ft TOWER ELEVATION, WITH (3) RG8 FEEDLINES
   B. OSHA COMPLIANT EXTERNAL CLIMBING LADDER WITH SAFETY-CLIMB SYSTEM
   C. TOWER LIGHTNING PROTECTION/GROUNDING KIT
3. 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).
4. ALL STRUCTURAL STEEL TOWER MEMBERS SHALL BE HOT-DIPPED GALVANIZED, AFTER FABRICATION, AND CONFORM TO THE REQUIREMENTS OF ASTM-A123.
5. ALL BOLTS AND BOLTED CONNECTIONS SHALL BE HOT-DIPPED GALVANIZED AND CONFORM TO THE REQUIREMENTS OF ASTM-A325.
6. ALL WELDED CONNECTIONS SHALL CONFORM TO THE LATEST REVISED CODE OF THE AMERICAN WELDING SOCIETY: A.W.S. D1.1-96.
7. 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

STANDARD DRAWING | SCALE 1:96 | DWN J.NEFF | APP'D D.SWAGER

TITLE
MODEL: PA9L-60SS
60ft TOWER ELEVATION

DATE 12/28/04 | DRAWING NUMBER PA9L-60-01