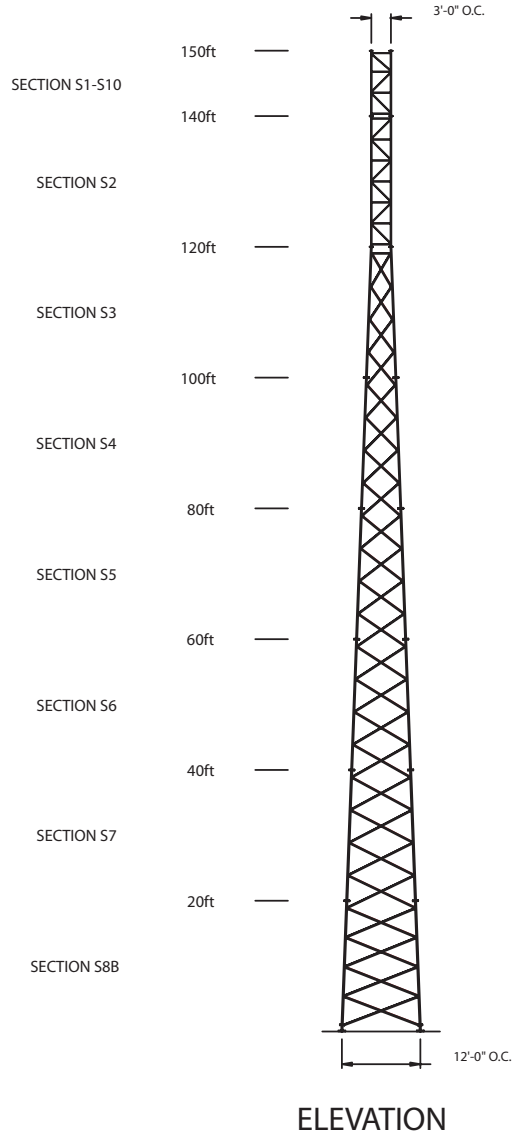
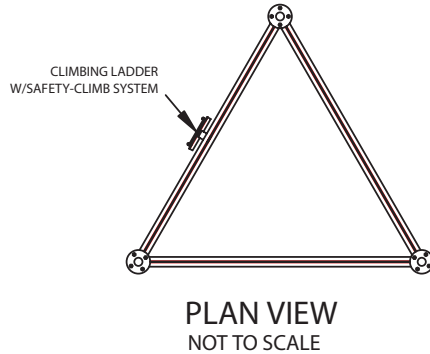


LEGS	2-1/2"Ø SOLID	2-1/4"Ø SOLID	2"Ø SOLID	1-1/2"Ø SOLID	A572 (50ksi) A36 (36ksi)
DIAGONALS	2"x2"x3/16" L	1-3/4" x 1-3/4" x 3/16" L		1"Ø S.R.; Z-BRACED	A36 (36ksi)
HORIZONTALS		NONE		3/4"Ø SOLID	A36 (36ksi)
BRACE BOLTS	(1) 5/8"Ø CON.	(1) 1/2"Ø BOLT PER CONNECTION		WELDED	ASTM-A325
LEG-SPLICE BOLTS		(6) 3/4"Ø BOLTS PER LEG		(4) 5/8"Ø BOLTS PER LEG	ASTM-A325

A = 1-3/4" x 1-3/4" x 1/8" L; AT TOP, ONLY



BASE REACTIONS:  
TOTAL SHEAR = 12kips  
AXIAL LOAD = 16kips  
UPLIFT/LEG = 80kips  
COMPRESSION/LEG = 91kips  
OVERTURN MOMENT = 885ft-kips



LET	REVISION	DATE	APP'D
-	INITIAL RELEASE	01/04/05	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:
  - 20sq. ft., 240lbs. 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 SOLID ROUND LEG MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF ASTM-A572 (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.
- 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.

<b>SWAGER COMMUNICATIONS INC.</b> <small>FREMONT, INDIANA 46737</small>			
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STANDARD DRAWING	SCALE 1:240	DWN J.NEFF	APP'D D.SWAGER
TITLE <b>150ft TOWER ELEVATION</b>		MODEL: SA9XXL-150SS	
DATE 01/04/05	DRAWING NUMBER <b>SA9XXL-150-01</b>		