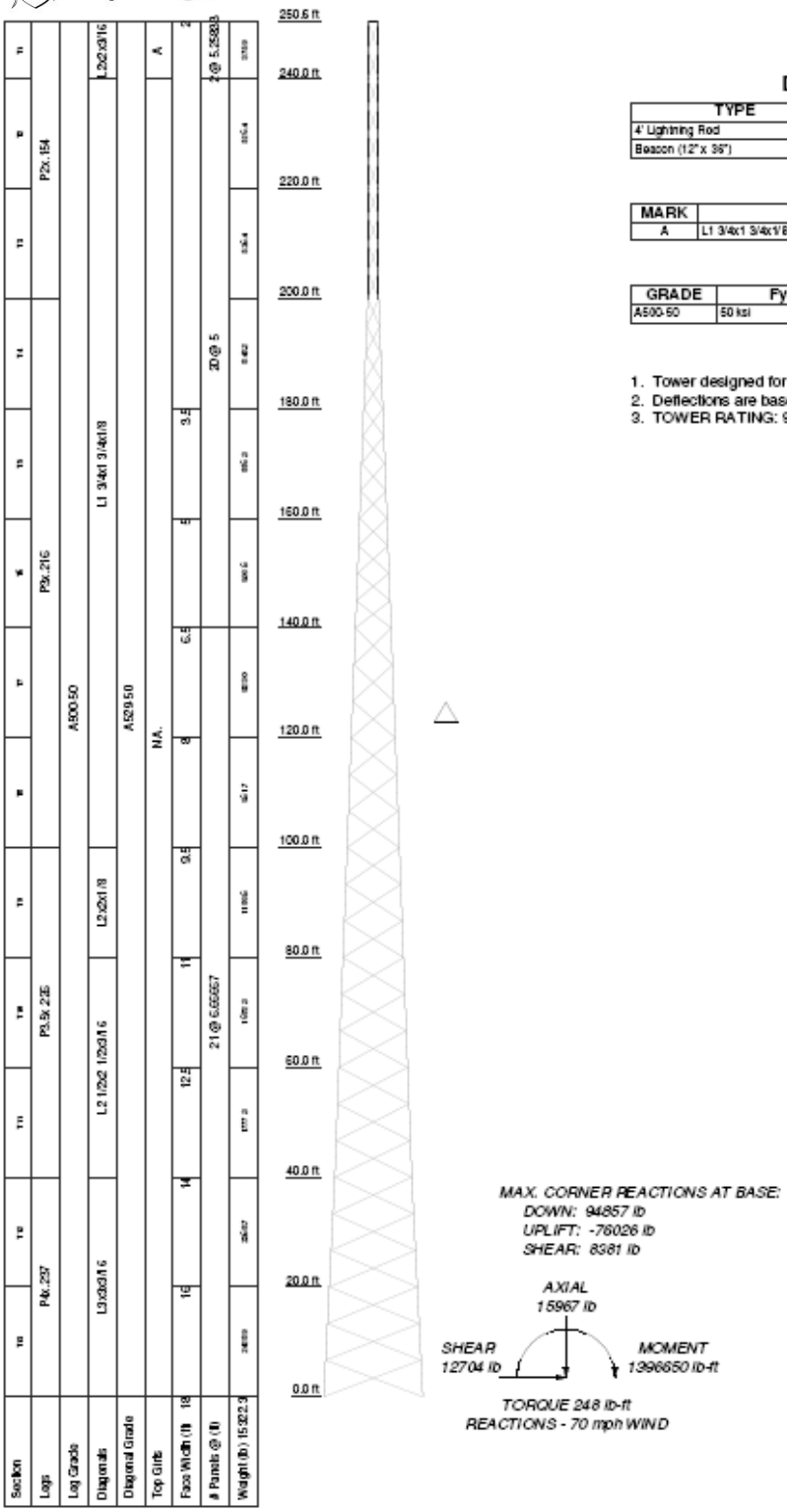
250 Foot Self Supported Tower



MAX. CORNER REACTIONS AT BASE:
DOWN: 94857 lb
UPLIFT: -76026 lb
SHEAR: 8381 lb

AXIAL
15967 lb

SHEAR
12704 lb

MOMENT
1396650 lb-ft

TORQUE 248 lb-ft
REACTIONS - 70 mph WIND

DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
4' Lightning Rod	250	JMPC-4 Bay	250 - 210
Beacon (12" x 36")	250		

SYMBOL LIST

MARK	SIZE	MARK	SIZE
A	L1 3/4x1 3/4x1/8		

MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A500-50	50 ksi	62 ksi	A529-50	50 ksi	65 ksi

TOWER DESIGN NOTES

1. Tower designed for a 70 mph basic wind in accordance with the TIA/EIA-222-F Standard.
2. Deflections are based upon a 50 mph wind.
3. TOWER RATING: 98.6%

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