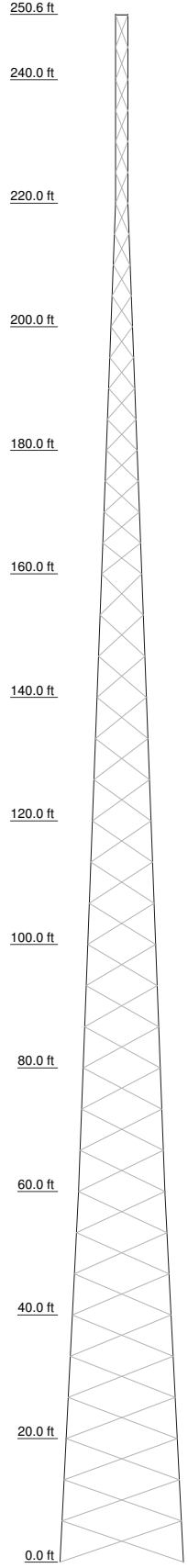


Section	T13	T12	T11	T10	T9	T8	T7	T6	T5	T4	T3	T2	T1
Legs		P5x.258		P4x.237		P3.5x.226			P3x.216			P2x.154	
Leg Grade						A500-50							
Diagonals	L3 1/2x3 1/2x1/4		L3x3x3/16	L2 1/2x2 1/2x3/16		L2x2x1/8		L1 3/4x1 3/4x1/8				L2x2x3/16	
Diagonal Grade						A529-50							
Top Girts						N.A.							A
Face Width (ft)	20	18	16	14	12.5	11	9.5	8	6.5	5	3.5		2
# Panels @ (ft)					24 @ 6.66667			16 @ 5					2 @ 5.25833
Weight (lb) 19323.5	3853.0	2728.2	2568.1	1908.7	1813.7	1183.6	1081.5	923.0	933.6	886.3	541.6	526.4	375.9



### DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
4' Lightning Rod	250	4' Panel	250
4' Panel	250	Beacon (12" x 36")	250
4' Panel	250	2' Solid Dish	245

### 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

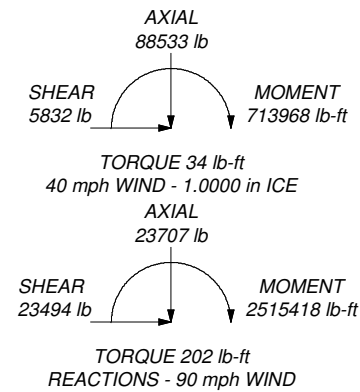
### TOWER DESIGN NOTES

1. Tower designed for Exposure C to the TIA-222-G Standard.
2. Tower designed for a 90 mph basic wind in accordance with the TIA-222-G Standard.
3. Tower is also designed for a 40 mph basic wind with 1.00 in ice. Ice is considered to increase in thickness with height.
4. Deflections are based upon a 60 mph wind.
5. Tower Structure Class II.
6. Topographic Category 1 with Crest Height of 0.00 ft
7. TOWER RATING: 96.3%

ALL REACTIONS  
ARE FACTORED

MAX. CORNER REACTIONS AT BASE:

DOWN: 153047 lb  
UPLIFT: -124916 lb  
SHEAR: 15203 lb



Foundation estimate for NSX 20 X 250.6' based on Assumed Sand Soil per TIA/EIA-222-G.

Block Foundation

- Concrete Dimensions: 23.0 ft x 23.0 ft x 4.0 ft thick block bearing at 3.5 ft deep (78.4 cu yd concrete)
- Mat Reinforcement: 28 - #6 rebar per direction per layer, 112 total (3785# total weight)
- Concrete Strength: 3000 psi

