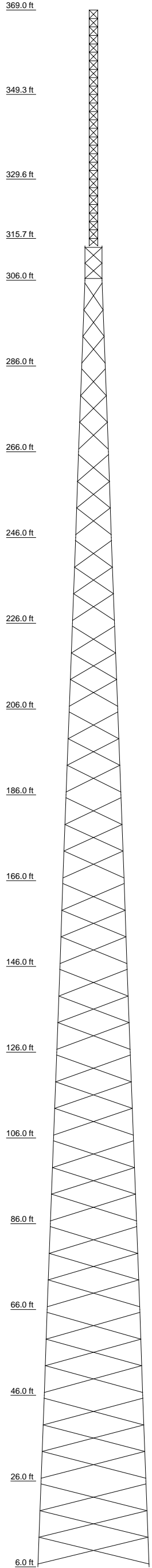


Section	T16	T15	T14	T13	T12	T11	T10	T9	T8	T7	T6	T5	T4	T3	T2	T1	L4	L3	L2	L1	
Legs	SR 5 3/4	SR 5 1/2	SR 5 1/4	SR 5 1/4	SR 5	SR 5	SR 4 1/2	SR 4 1/4	SR 4	A572-50	SR 3 3/4	SR 3 1/2	SR 3 1/4	SR 3 1/4	SR 3	SR 2 1/2	SR 2 1/2	SR 2	SR 1 3/4	SR 1 3/4	
Leg Grade	L5x5x3/8	L5x5x5/16	L5x5x3/8	L5x5x3/8	L4x4x3/8	L4x4x5/16	L4x4x1/4	L3 1/2x3 1/2x1/4	L3x3x1/4	L3x3x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2x2x3/16	L2x2x3/16							
Diagonals	L5x5x3/8	L5x5x5/16	L5x5x3/8	L5x5x3/8	L4x4x3/8	L4x4x5/16	L4x4x1/4	L3 1/2x3 1/2x1/4	L3x3x1/4	L3x3x3/16	L2 1/2x2 1/2x3/16	L2 1/2x2 1/2x3/16	L2x2x3/16	L2x2x3/16							
Diagonal Grade																					
Top Girts																					
Bottom Girts																					
Horizontals																					
Face Width (ft)	24.5333	23.0667	21.6	20.1333	18.6667	17.2	15.7333	14.2667	12.8	11.3333	9.86667	8.4	6.93333	5.46667							
# Panels @ (ft)							45 @ 6.22222														
Weight (K)	11.3	9.6	8.9	8.4	7.7	6.9	5.4	4.7	4.0	3.2	3.0	2.6	2.2	2.1	1.8	1.2	1.0	1.0	1.0	0.8	0.8



DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
Beacon Lighting	370.5	(4) typical 5' panels (1.625")	150
A-3 lightning spur	370.5	(3) 13' gate mounts	125
DCR-M6 [CaAc=35.28, W=618lbs assumed] (3")	368.01 - 315.01	(4) typical 5' panels (1.625")	125
DCR-H4 (1.625")	340 - 325	(4) typical 5' panels (1.625")	125
ice shield (for 6' dish)	204	(4) typical 5' panels (1.625")	125
6' STL dish (.875")	200	(3) 13' gate mounts	100
(2) Beacon Lighting	185	(4) typical 5' panels (1.625")	100
(3) 13' gate mounts	150	(4) typical 5' panels (1.625")	100
(4) typical 5' panels (1.625")	150	(4) typical 5' panels (1.625")	100
(4) typical 5' panels (1.625")	150	(4) typical 5' panels (1.625")	100

SYMBOL LIST

MARK	SIZE	MARK	SIZE
A	C15x33.9	B	1 @ 1.73417

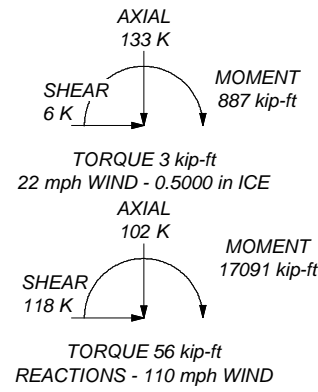
MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A572-50	50 ksi	65 ksi	A36	36 ksi	58 ksi

TOWER DESIGN NOTES

1. Tower designed for a 110 mph basic wind in accordance with the TIA/EIA-222-F Standard.
2. Tower is also designed for a 22 mph basic wind with 0.50 in ice.
3. Tower also designed for 130mph 3-second gust wind speed.
4. Tower designed for step bolts.
5. Tower designed for (two row) stacked waveguide ladder(s).

MAX. CORNER REACTIONS AT BASE:
 DOWN: 793 K
 UPLIFT: -657 K
 SHEAR: 67 K



 Tower Innovations 2855 Hwy. 261 Newburgh, IN. 47630 Phone: (812) 853-0595 FAX: (812) 853-6652	Job: S2769 - 18282o1r3 Project: Savannah, GA
	Client: Savannah, GA Code: TIA/EIA-222-F Path: C:\0 - Current Design Runs\PDF\12 - Bolted SS Tower - FM Mast - S2769 - 12282o1r3.dwg
Drawn by: T.I. Engineering Dept. Date: 12/19/06	App'd: Scale: NTS Dwg No. E-1