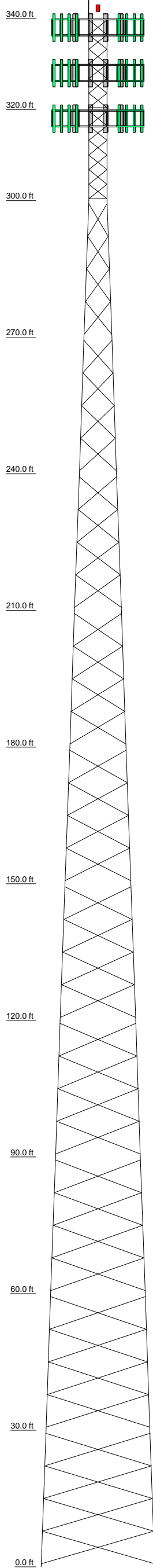
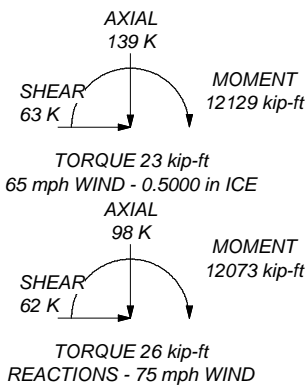


Section	T10	T9	T8	T7	T6	T5	T4	T3	T2	T1	L2	L1
Legs	SR 5 1/4	SR 5	SR 4 3/4	SR 4 3/4	SR 4 1/2	SR 4 1/4	SR 4 1/4	SR 4	SR 3 3/4	SR 3 3/4	SR 2 1/2	SR 1 3/4
Leg Grade	L4x4x5/16	L4x4x1/4	L4x4x1/4	L3 1/2x3 1/2x1/4	MT2W65-58	L3x3x1/4	L2 1/2x2 1/2x3/16	L2x2x3/16	L2x2x3/16	A572-50	SR 7/8	SR 3/4
Diagonals	L4x4x5/16	L4x4x1/4	L4x4x1/4	L3 1/2x3 1/2x1/4	L3x3x1/4	L2 1/2x2 1/2x3/16	L2x2x3/16	L2x2x3/16	L2x2x3/16	A572-50	SR 7/8	SR 3/4
Diagonal Grade					A36	A36	A36	A36	A36	A36	SR 7/8	SR 3/4
Top Girts					N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	SR 7/8	SR 3/4
Bottom Girts					N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	SR 7/8	SR 3/4
Face Width (ft)	25	20.8	18.7	16.6	14.5	12.4	10.3	8.2	6.1	4	4	4
# Panels @ (ft)					40 @ 7.16667							12 @ 3.20833
Weight (K)	72.5	11.8	9.9	8.2	7.4	6.3	5.4	4.8	4.1	4.0	1.5	0.8



MAX. CORNER REACTIONS AT BASE:  
 DOWN: 607 K  
 UPLIFT: -502 K  
 SHEAR: 37 K



**DESIGNED APPURTENANCE LOADING**

TYPE	ELEVATION	TYPE	ELEVATION
lightning rod (optional)	342	(4) 8' x 1' x 3" Panel Antenna (1.625")	328
beacon lighting (opt.)	341.5	(4) 8' x 1' x 3" Panel Antenna (1.625")	328
(4) 8' x 1' x 3" Panel Antenna (1.625")	338	(3) 13' gate mounts	328
(4) 8' x 1' x 3" Panel Antenna (1.625")	338	(4) 8' x 1' x 3" Panel Antenna (1.625")	318
(4) 8' x 1' x 3" Panel Antenna (1.625")	338	(4) 8' x 1' x 3" Panel Antenna (1.625")	318
(3) 13' gate mounts	338	(4) 8' x 1' x 3" Panel Antenna (1.625")	318
(4) 8' x 1' x 3" Panel Antenna (1.625")	328	(3) 13' gate mounts	318

**MATERIAL STRENGTH**

GRADE	Fy	Fu	GRADE	Fy	Fu
A572-50	50 ksi	65 ksi	MT2W65-58	58 ksi	65 ksi
A36	36 ksi	58 ksi			

**TOWER DESIGN NOTES**

1. Tower is located in Hinds County, Mississippi.
2. Tower designed for a 75 mph basic wind in accordance with the TIA/EIA-222-F Standard.
3. Tower is also designed for a 65 mph basic wind with 0.50 in ice.
4. Tower designed for step bolts.
5. Tower designed for feedlines to be mounted in double rows on Clip-On Waveguide ladder(s).

<p>Tower Innovations        2855 Hwy. 261        Newburgh, IN. 47630        Phone: (812) 853-0595        FAX: (812) 853-6652</p>	<p>Job: <b>4581 - 19313</b></p> <p>Project: <b>Bolton, MS.</b></p>	
	<p>Client: _____</p> <p>Code: TIA/EIA-222-F</p> <p>Path: _____</p>	<p>Drawn by: T.I. Engineering Dept.</p> <p>Date: 12/19/06</p>
	<p>App'd: _____</p> <p>Scale: NTS</p> <p>Dwg No. E-1</p>	
	<p>© 2006 Current Design Run/DPV11 - Typical Bolted SS Tower - 4581 - 19313.dwg</p>	