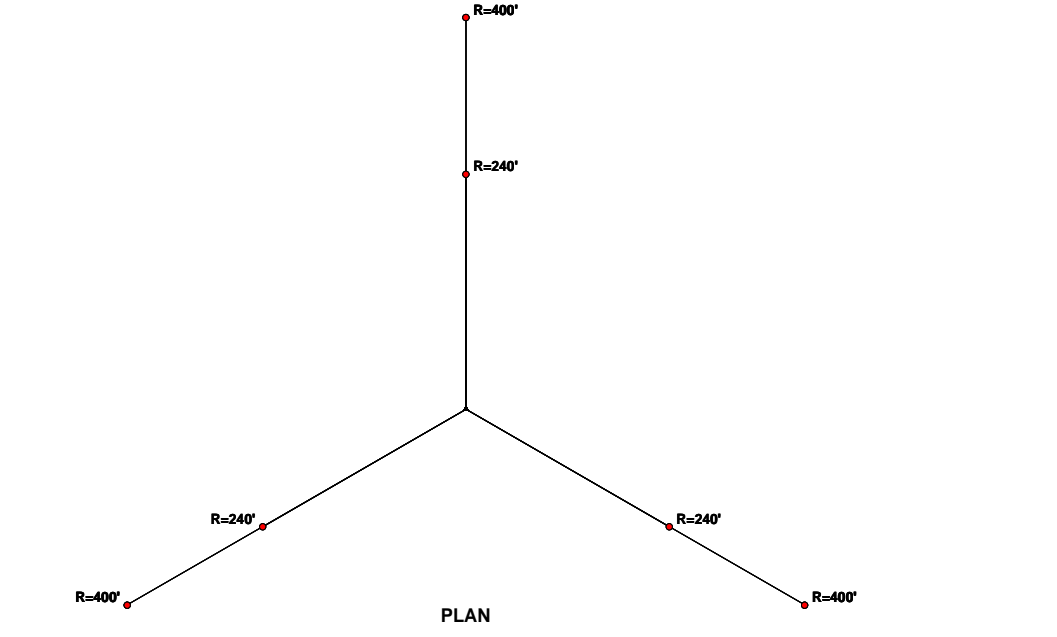
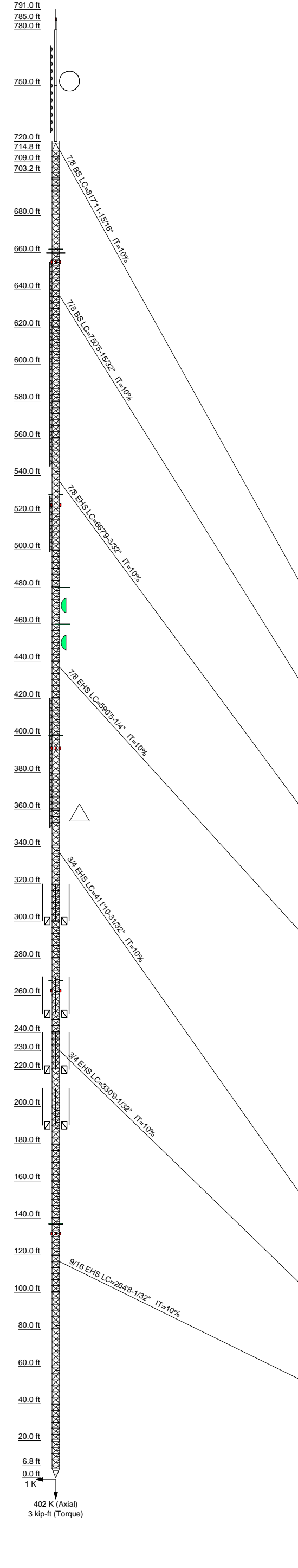


Section	L1	L2	L3	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	T14	T15	T16	T17	T18	T19	T20	T21	T22	T23	T24	T25	T26	T27	T28	T29	T30	T31	T32	T33	T34	T35	T36	T37	T38	T39	T40	T41	T42									
Legs																																																						
Leg Grade																																																						
Diagonals																																																						
Diagonal Grade																																																						
Top Girts																																																						
Mid Girts																																																						
Bottom Girts																																																						
Horizontals																																																						
Sec. Horizontals																																																						
Top Guy Pull-Offs																																																						
Guy Hi-Diagonals																																																						
Guy Low-Diagonals																																																						
Face Width (ft)																																																						
# Panels @ (ft)																																																						
Weight (K)																																																						



DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
beacon lighting	785	Side Light	392.5
Lightning Protection	785	PD220 (1 5/8")	310
Lightning Protection	785	PD220 (1 5/8")	310
Lightning Protection	785	PD220 (1 5/8")	310
6-bay FM W/Deicers or W/Radomes : COR = 748 (4")	771.594 - 724.406	6' Side Arm	300
Ice shield (Lighting Shield)	662	6' Side Arm	300
Ice shield (Lighting Shield)	662	Ice shield (Lighting Shield)	268
Ice shield (Lighting Shield)	662	Ice shield (Lighting Shield)	268
Ice shield (FM Shield)	660	beacon lighting	261.659
SHPX-12AC W/Radomes : COR = 600' (5")	655 - 545	beacon lighting	261.659
Side Light	654.169	PD220 (1 5/8")	260
Side Light	654.169	PD220 (1 5/8")	260
Side Light	654.169	PD220 (1 5/8")	260
Lightning Protection	654	6' Side Arm	250
Lightning Protection	654	6' Side Arm	250
Lightning Protection	654	6' Side Arm	250
Lightning Protection	533	PD220 (1 5/8")	230
Lightning Protection	533	PD220 (1 5/8")	230
Lightning Protection	533	PD220 (1 5/8")	230
Ice shield (Lighting Shield)	530	6' Side Arm	220
Ice shield (Lighting Shield)	530	6' Side Arm	220
SHP-4AC W/Radomes : COR = 514' (2")	529 - 499	6' Side Arm	220
beacon lighting	523.331	PD220 (1 5/8")	200
beacon lighting	523.331	PD220 (1 5/8")	200
Ice shield (Dish Shield)	480	PD220 (1 5/8")	200
8' STL grid dish (Mark P-9A96GN) (1 5/8")	470	6' Side Arm	190
Ice shield (Dish Shield)	460	6' Side Arm	190
8' STL grid dish (Mark P-9A96GN) (1 5/8")	450	6' Side Arm	190
JBCP-H-2 (Loading For 8-Bay FM W/Deicers Applied) : COR = 385' (3")	420 - 350	Ice shield (Lighting Shield)	137
Ice shield (Lighting Shield)	400	Ice shield (Lighting Shield)	137
Ice shield (Lighting Shield)	400	Side Light	130.831
Ice shield (Lighting Shield)	400	Side Light	130.831
Side Light	392.5	Side Light	130.831
Side Light	392.5	Side Light	130.831

SYMBOL LIST


MARK	SIZE	MARK	SIZE
A	P6x.28	G	L3 1/2x3 1/2x3/8
B	N.A.	H	1 @ 4.22917
C	C8x13.75	I	5 @ 2.89583
D	C4x7.25	J	1 @ 1.41667
E	MC18x45.8	K	5 @ 1.08333
F	C6x8.2		

MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A572-50	50 ksi	65 ksi			

TOWER DESIGN NOTES

1. Tower is located in Barry County, Michigan.
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. Deflections are based upon a 50 mph wind.
5. Tower is also designed 50 mph wind speed with .75 in. ice.
6. Tower designed for 3/4" integral face ladder.



Tower Innovations
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Newburgh, IN. 47630
Phone: (812) 853-0595
FAX: (812) 853-6652

Job: **G2659 - 17596r2**
Project: **Barry County, MI.**
Client: **T.I. Engineering Dept.**
Code: TIA/EIA-222-F
Date: 12/19/06
Path: C:\Program Files\Tower Innovations\Projects\G2659 - 17596r2

App'd: _____
Scale: NTS
Dwg No. E-1