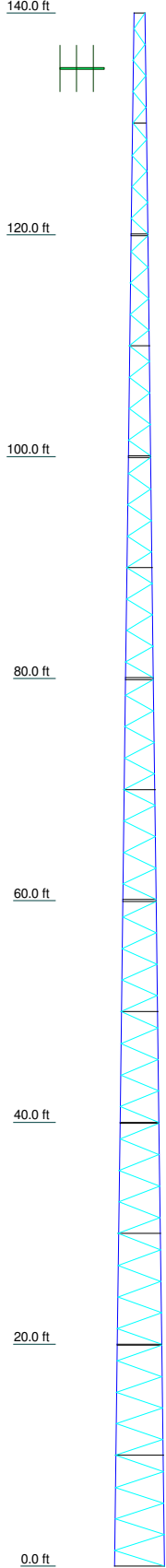


Section	T1	T2	T3	T4	T5	T6	T7
Legs	SR 1	SR 1 1/4	SR 1 1/2	SR 1 1/2	SR 1 3/4	SR 1 3/4	SR 1 3/4
Leg Grade	SR 1/2	SR 1/2	SR 5/8	A572-50	SR 3/4	SR 3/4	SR 7/8
Diagonals	SR 1/2	SR 1/2	SR 5/8	A572-50	SR 3/4	SR 3/4	SR 7/8
Diagonal Grade	SR 1/2	SR 1/2	SR 5/8	A572-50	SR 3/4	SR 3/4	SR 7/8
Top Girts	SR 1/2	SR 1/2	SR 5/8	A572-50	SR 3/4	SR 3/4	SR 7/8
Mid Girts	SR 1/2	SR 1/2	SR 5/8	A572-50	SR 3/4	SR 3/4	SR 7/8
Bottom Girts	SR 1/2	SR 1/2	SR 5/8	A572-50	SR 3/4	SR 3/4	SR 7/8
Face Width (ft)	1.5	2	2.5	3	3.5	4	4.5
# Panels @ (ft)	14 @ 1.42262	42 @ 1.41667	42 @ 1.41667	42 @ 1.42262	42 @ 1.42262	42 @ 1.42262	42 @ 1.42262
Weight (lb)	221.1	324.3	388.3	622.3	628.9	795.2	954.7



DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
DB292-A	140 - 130		

MATERIAL STRENGTH

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

TOWER DESIGN NOTES

1. Tower is located in Ward County, North Dakota.
2. Tower designed for Exposure C to the TIA-222-G Standard.
3. Tower designed for a 90 mph basic wind in accordance with the TIA-222-G Standard.
4. Tower is also designed for a 60 mph basic wind with 0.50 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Structure Class II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. Weld together tower sections have flange connections.
9. Connections use galvanized A325 bolts, nuts and locking devices. Installation per TIA/EIA-222 and AISC Specifications.
10. Tower members are "hot dipped" galvanized in accordance with ASTM A123 and ASTM A153 Standards.
11. Welds are fabricated with ER-70S-6 electrodes.

Great Plains Towers			
126 6th Street West			
West Fargo, ND 58078			
Phone: (701) 282-2236			
FAX: (701) 282-2148			
Job:	GPT 140 ft (54" Tapered to 12")		
Project:	GPT 140' Self Support Heavy		
Client:	Drawn by: Lance Straabe	App'd:	
Code: TIA-222-G	Date: 03/07/11	Scale: NTS	
Path:	C:\Documents and Settings\lance\Desktop\GPT 140' SS.er		
			Dwg No. E-1