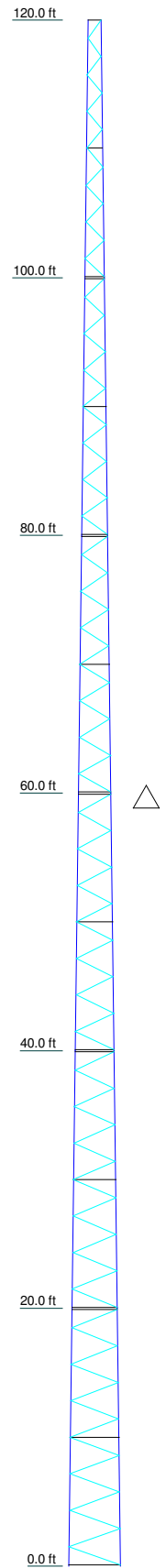


Section	T6	T4	T3	T2	T1
Legs	SR 2 1/4	SR 1 3/4	SR 1 1/2	SR 1 1/4	SR 1
Leg Grade	SR 3/4	A572-50	SR 5/8	SR 1/2	SR 1/2
Diagonals	SR 3/4	SR 5/8	SR 5/8	SR 5/8	SR 5/8
Diagonal Grade	A572-50	A572-50	A572-50	A572-50	A572-50
Top Girts	SR 3/4	SR 3/4	SR 3/4	SR 3/4	SR 3/4
Mid Girts	SR 3/4	SR 3/4	SR 3/4	SR 3/4	SR 3/4
Bottom Girts	SR 3/4	SR 3/4	SR 3/4	SR 3/4	SR 3/4
Face Width (ft)	3.5	3	2.5	2	1.5
# Panels @ (ft)	4	3	2	1.5	1
Weight (lb)	3721.7	1115.7	909.3	652.6	488.6
				324.3	221.1
					14 @ 1.42262



MATERIAL STRENGTH

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

TOWER DESIGN NOTES

1. Tower is located in Cass 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 120 ft (48" Tapered to 12")	Project: GPT 120' Self Support	
Client:	Drawn by: Lance Straabe	App'd:
Code: TIA-222-G	Date: 10/07/10	Scale: NTS
Path: C:\Documents and Settings\lance\Desktop\GPT 120' SS Heavy.er	Dwg No. E-1	