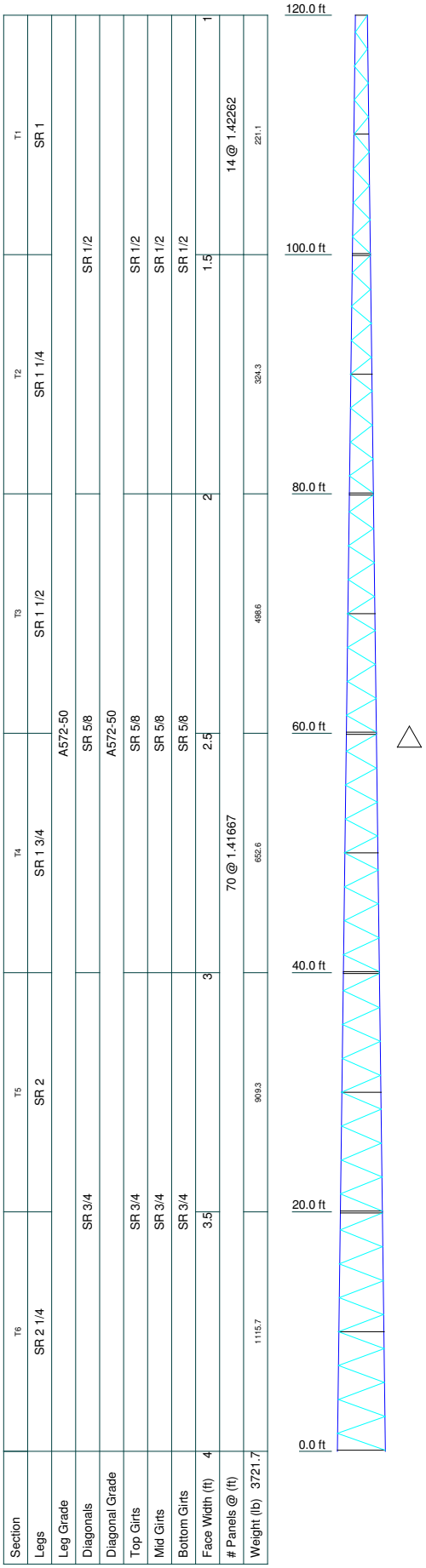

MATERIAL STRENGTH

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.en			Dwg No. E-1