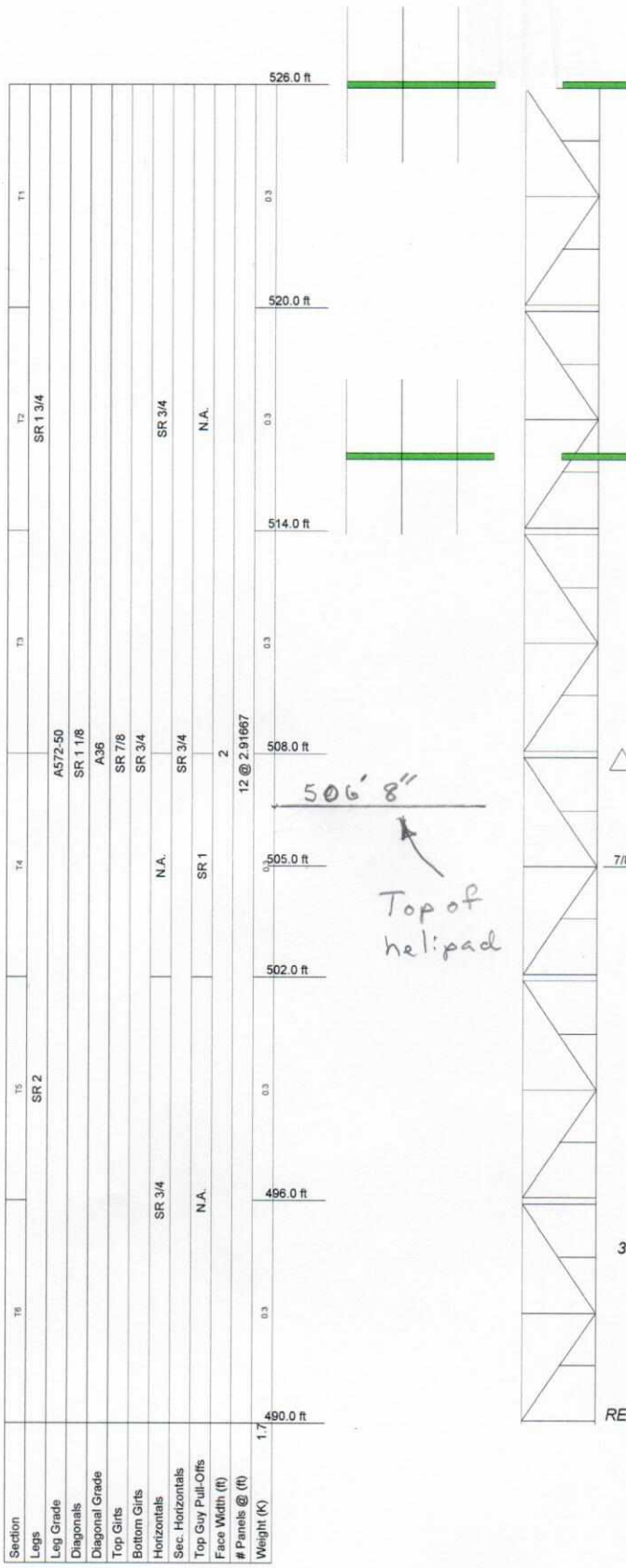
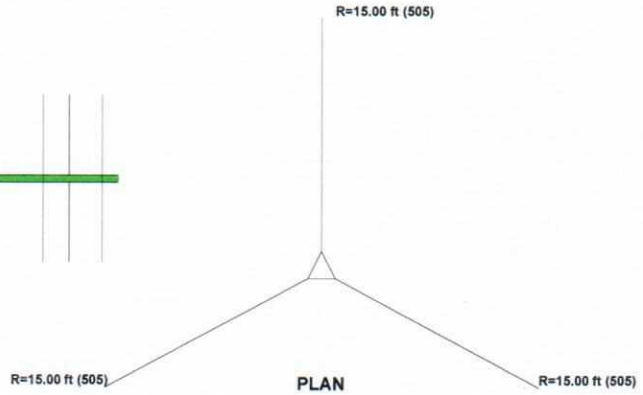


506' 8"

Top of helipad

7/8 EHS LC=13.85 ft IT=10%



DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
Lightning Rod	526	CL46 2x44	516
CL46 2x44	526	CL46 2x44	516
CL46 2x44	526	CL46 2x44	516
CL46 2x44	526	CL46 2x44	516
CL46 2x44	526		

MATERIAL STRENGTH

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

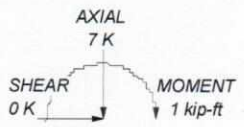
TOWER DESIGN NOTES

1. Tower designed for Exposure C to the TIA-222-G Standard.
2. Tower designed for a 175.00 mph basic wind in accordance with the TIA-222-G Standard.
3. Tower is also designed for a 30.00 mph basic wind with 0.50 in ice. Ice is considered to increase in thickness with height.
4. Deflections are based upon a 60.00 mph wind.
5. Tower Risk Category II.
6. Topographic Category 1 with Crest Height of 0.00 ft
7. TOWER RATING: 73.4%

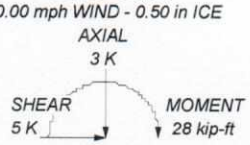
ALL REACTIONS ARE FACTORED

MAX. CORNER REACTIONS AT BASE:
DOWN: 17 K
SHEAR: 3 K

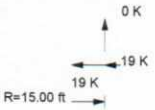
UPLIFT: -9 K
SHEAR: 1 K



TORQUE 0 kip-ft
30.00 mph WIND - 0.50 in ICE



TORQUE 2 kip-ft
REACTIONS - 175.00 mph WIND



ALL REACTIONS ARE FACTORED

World Tower Company 1213 Compressor Drive Mayfield, Kentucky 42066 Phone: (270) 247-3642 FAX: www.worldtower.com	Job: **36' UCS24 Rooftop - Job Q14-579**		
	Project: **Miami, FL**		
	Client:	Drawn by: kirk	App'd:
	Code: TIA-222-G	Date: 09/12/14	Scale: NTS
	Path: C:\Tower\PE Runs\2014\Q14-579 wmdf rooftop\Q14-579 R1.eri		Dwg No. E-1