

102.0 ft



DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
RocketDish5G-34	101	SAH58-WB	98

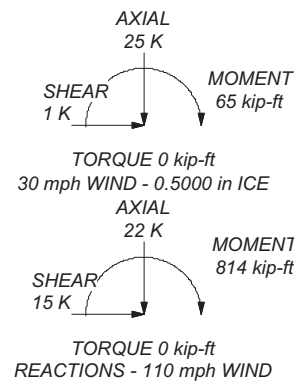
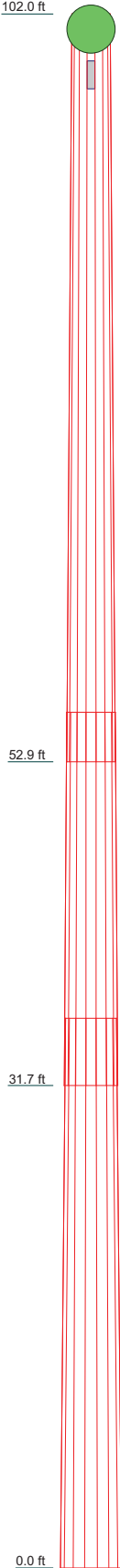
MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A572-65	65 ksi	80 ksi			

TOWER DESIGN NOTES

1. Tower is located in Harris County, Texas.
2. Tower designed for Exposure C to the TIA-222-G Standard.
3. Tower designed for a 110 mph basic wind in accordance with the TIA-222-G Standard.
4. Tower is also designed for a 30 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 RATING: 26.7%

Section	1	2	3	Weight (K)	15.5
Length (ft)	49.08	24.50	36.08	Grade	5.7
Number of Sides	16	16	16	Grade	3.3
Thickness (in)	0.3125	0.3125	0.3750	Grade	6.5
Lap Splice (ft)		3.24	4.42	Grade	15.5
Top Dia (in)	30.5000	37.7478	40.6243		
Bot Dia (in)	38.9300	42.0200	48.5000		



V. G. Duvall, Jr., PE		Job: C11-0132	
9006 Grand Lake Estates Dr.		Project: 102' Monopole KCI 11	
Montgomery, TX 77316		Client: Lodge Lumber	Drawn by: VGD
Phone: 281.650.9731		Code: TIA-222-G	Date: 12/01/11
FAX:		Path:	App'd: NTS
		Scale: NTS	
		Dwg No. E-1	