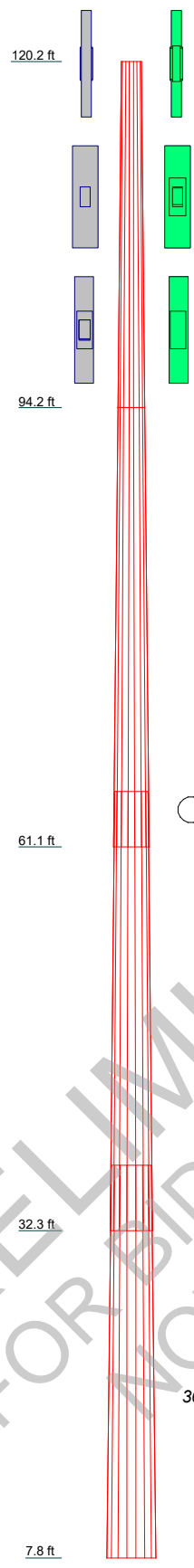


Section	1	2	3	4	10.0
Length (ft)	26.00	33.00	33.00	29.51	7.8
Number of Sides	16	16	16	16	16
Thickness (in)	0.1970	0.1970	0.2360	0.3150	4.0
Socket Length (ft)	18.2000	4.18	4.93	36.1375	43.4000
Top Dia (in)	24.5000	31.7000	37.7000	43.4000	43.4000
Bot Dia (in)					
Grade			A572-65		
Weight (K)	1.2	2.0	2.9	4.0	10.0



### DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
SBNHH-1D65C_TIA w/ Mount Pipe	120	4449	110
SBNHH-1D65C_TIA w/ Mount Pipe	120	8843	110
SBNHH-1D65C_TIA w/ Mount Pipe	120	8843	110
AIR 6449 B77D_TIA w/ Mount Pipe	120	8843	110
AIR 6449 B77D_TIA w/ Mount Pipe	120	Universal Quad Mount w/ 36" Standoff	110
AIR 6419 B77G_TIA	120	APXVAALL24_43-U-NA20_TMO_TIA w/ Mount Pipe	100
AIR 6419 B77G_TIA	120	APXVAALL24_43-U-NA20_TMO_TIA w/ Mount Pipe	100
AIR 6419 B77G_TIA	120	APXVAALL24_43-U-NA20_TMO_TIA w/ Mount Pipe	100
DC6-48-60-18-8C-EV	120	APXVAALL24_43-U-NA20_TMO_TIA w/ Mount Pipe	100
Universal Quad Mount w/ 36" Standoff	120	AIR 6449 B41_TIA w/ Mount Pipe	100
TWIN458CU000G w/ Mount Pipe	110	AIR 6449 B41_TIA w/ Mount Pipe	100
TWIN458CU000G w/ Mount Pipe	110	AIR 6449 B41_TIA w/ Mount Pipe	100
TWIN458CU000G w/ Mount Pipe	110	RADIO 4449 B71 B85A_T-MOBILE	100
AIR 6449_TIA w/ Mount Pipe	110	RADIO 4449 B71 B85A_T-MOBILE	100
AIR 6449_TIA w/ Mount Pipe	110	RADIO 4449 B71 B85A_T-MOBILE	100
AIR 6449_TIA w/ Mount Pipe	110	RADIO 4460 B2/B25 B66_TMO	100
4408_TIA	110	RADIO 4460 B2/B25 B66_TMO	100
4408_TIA	110	RADIO 4460 B2/B25 B66_TMO	100
4408_TIA	110	RADIO 4460 B2/B25 B66_TMO	100
4449	110	Universal Quad Mount w/ 36" Standoff	100
4449	110		

### MATERIAL STRENGTH

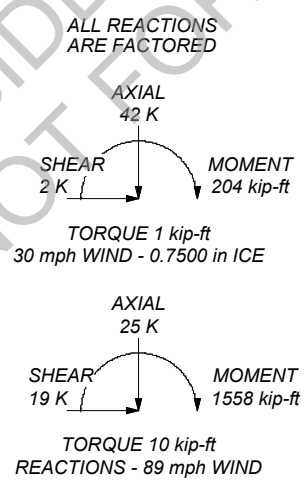
GRADE	Fy	Fu	GRADE	Fy	Fu
A572-65	65 ksi	80 ksi			

### TOWER DESIGN NOTES

1. Tower designed for Exposure C to the TIA-222-G Standard.
2. Tower designed for a 89 mph basic wind in accordance with the TIA-222-G Standard.
3. Tower is also designed for a 30 mph basic wind with 0.75 in ice. Ice is considered to increase in thickness with height.
4. Deflections are based upon a 60 mph wind.
5. Tower Structure Class II.
6. Topographic Category 1 with Crest Height of 0.00 ft
7. TOWER RATING: 81.9%

**TOWER USAGE: 81.9%**  
**AFS1700 FOUNDATION USAGE: 94.2%**  
**\*LOOSE PLATE REQUIRED AT KING POST**

DESIGN STANDARD:	TIA-222-G
ULTIMATE DESIGN WIND SPEED:	115 MPH
NOMINAL DESIGN WIND SPEED:	89 MPH
TOPOGRAPHIC:	1
K <sub>zt</sub> :	1
EXPOSURE:	C
POLE MODEL:	42.72m Hyd Pole AFS1700, Rev. A, 09/03/2020
FOUNDATION TYPE	AFS-1700
MIN ULTIMATE BEARING PRESSURE:	4000 PSF
MIN ALLOWABLE BEARING PRESSURE:	2000 PSF
FACTOR OF SAFETY:	2
P/JF RECOMMENDS THAT A SITE-SPECIFIC GEOTECHNICAL REPORT BE OBTAINED PRIOR TO CONSTRUCTION TO VERIFY THAT THE IN-SITU SOILS ARE CAPABLE OF PROVIDING THE MINIMUM ULTIMATE BEARING PRESSURE.	



<b>Paul J. Ford &amp; Company</b>		Job: <b>45.72m (150ft) Slip Joint Pole</b>	
250 East Broad Street, Suite 600		Project: <b>PJF 21223-0048.001.7000</b>	
Columbus, OH 43215		Client: ARE Telecom and Wind	Drawn by: tdehnke
Phone: 614.221.6679		Code: TIA-222-G	Date: 05/04/23
FAX:		Path:	Scale: NTS
		Dwg No. E-1	