

TYPE	ELEVATION	TYPE	ELEVATION
PS-5AC	60	Air Fiber AF24 dish	50
ARE Tri-Mount 12" Standoff	60	ARE Tri-Mount 12" Standoff	40
2 ft standard	60	EP-R8	40
ARE Tri-Mount 12" Standoff	50		•

GRADE	Fy	Fu	GRADE	Fy	Fu
Δ572-65	65 kei	80 kei			

- 3. Tower is also designed for a 50 mph basic wind with 0.75 in ice. Ice is considered to

DESIGN STANDARD:	TIA-222-G
ULTIMATE DESIGN WIND SPEED;	115 MPH
NOMINAL DESIGN WIND SPEED:	89 MPH
TOPOGRAPHIC:	1
K _{zt} :	1
EXPOSURE:	C
MIN ULTIMATE BEARING PRESSURE:	7000 PSF
UNIT WEIGHT:	110 PCF
FRICTION ANGLE:	30°

PJF RECOMMENDS THAT A SITE-SPECIFIC GEOTECHNICAL REPORT BE OBTAINED PRIOR TO CONSTRUCTION TO VERIFY THAT THE IN-SITU SOILS ARE CAPABILE OF

Critical Deflections and Radius of Curvature - Service Wind

Elevation	Appurtenance	Gov. Load	Deflection	Tilt	Twist	Radius of Curvature
ft		Comb.	in	0	0	ft
60.00	2 ft standard	39	8.50	1.108	0.000	14298
50.00	Air Fiber AF24 dish	39	6.22	1.035	0.000	7149
40.00	EP-R8	39	4.11	0.925	0.000	3574

Columbus, OH 43215 Phone: 614.221.6679 FAX:

^{ob:} 60-FT DIRECT EMBED; WACO TX					
Project: 21221-0016.001.7000					
Client: ARE TELECOM & BROADBAND	Drawn by: tdehnke	App'd:			
Code: TIA-222-G	Date: 03/10/21	Scale: NTS			
Path: G:\TOWER\212_ARE\2021\21221-0016_Waco, TX\21221-0016.001.70	00 Prelim\21221-0016.001.7000.e	Dwg No. E-1			