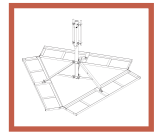
KENWOOD TELECOM

Tower Site Component Manufacturing and Design


Steel and Mounts


Accessories


Grounding


Safety

T1670KT12
AT&T Heavy 5

Sector Frame
12' Face (AT&T Heavy 5)

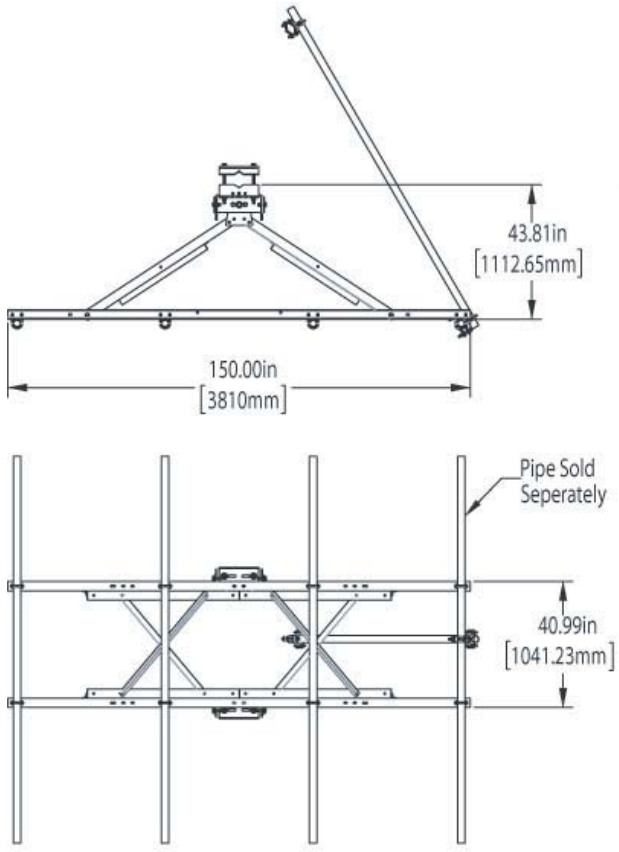
Designed in accordance with the requirements of ANSI/TIA-222-G - "Structural Standard for Antenna Structures and Antennas".

- Structure Class II
- Galvanized Steel, A36 minimum grade
- Exposure Category C (Rev G or H)
- Topographic Category 1
- Mount and antenna centerline at 300' AGL
- Gust effect factor, $G_h = 1.0$
- Wind direction probability factor, $K_d = 0.95$
- 3-second gust basic wind speed, 50-year return, considered simultaneously for iced condition as noted in table.
- The number of mount pipe locations noted in the table, considered equally spaced.
- z = 250 ft
- H = 300 ft max (SST or GT)
- Exposure C
- Structure class II
- Topo Category I
- Wind direction Probability Factor:
- 0.85 (Latticed Structures)
- 0.95 (Tubular Pole Structures)

Gust Wind Effect Factor:

- 1.1 (Pole Structures)

ANSI/TIA-222-G-2-2009



EPA of Base Unit
(EPA)N = ~19.00 ft²

Load Ratings - Bare Condition for each pipe					Load Ratings - Iced Condition for each pipe				
Mount Pipes per Sector	Basic Wind Speed (mph)	(EPA)N (sqft)	(EPA)T (sqft)	Factored Weight (lbs)	Basic Wind Speed (mph)	Designed Ice Thickness (ti) (in)	(EPA)N (sqft)	(EPA)T (sqft)	Factored Weight (lbs)
4	90	15.0	15.0	375	50	0.5	19.5	19.5	750

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