

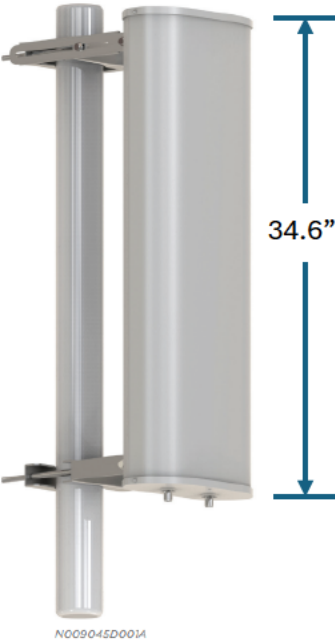
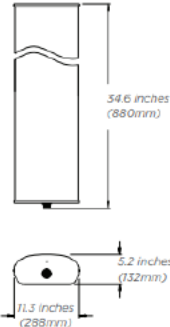
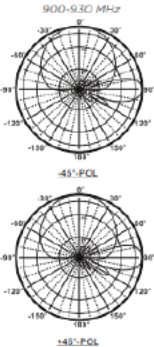
Antenna Data Sheet



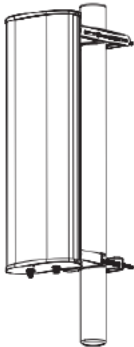
900 MHz 60 Degree Sector Antenna SPECIFICATION SHEET

900 MHz 60 Degree Sector Antenna

The Sector Antenna is compatible with the PMP 450I 900 MHz.



N009045D001A



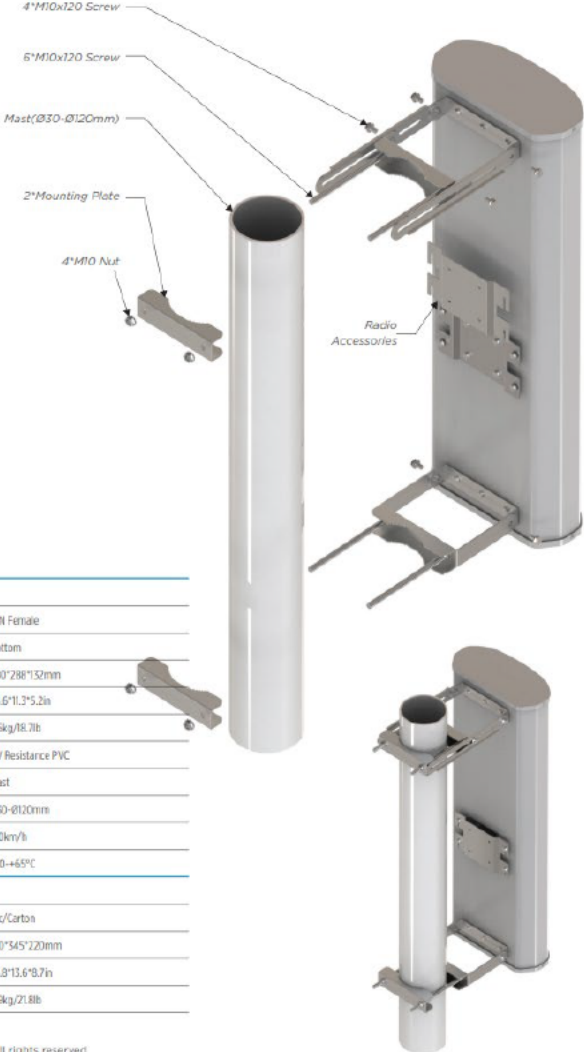
ELECTRICAL DATA

Frequency	900-930 MHz
Gain	15 dBi
VSWR	<1.7:1
Polarization	Dual slant, ±45°
Horizontal Beamwidth	65°
Vertical Beamwidth	23°
Front-to-back ratio	>30dB
Isolation	>30dB
Cross-polar ratio	>15dB (±60°±10)
Impedance	50 Ohms
Max Input Power	100W
Lightning Protection	DC Ground

900 MHz 60 Degree Sector Antenna SS 10122015

Specifications

900 MHz 60 Degree Sector Antenna SPECIFICATION SHEET



MECHANICAL DATA

Connector	2\"/>
Connector Position	Bottom
Dimensions	880*298*132mm
Length / Width / Height	34.6\"/>
Weight	6.5kg/18.7lb
Random Material	UV Resistance PVC
Mounting Method	Mast
Mast Size	Ø30-Ø120mm
Rated Wind Velocity	26km/h
Operating Temperature	-40~+65°C

SHIPMENT DATA

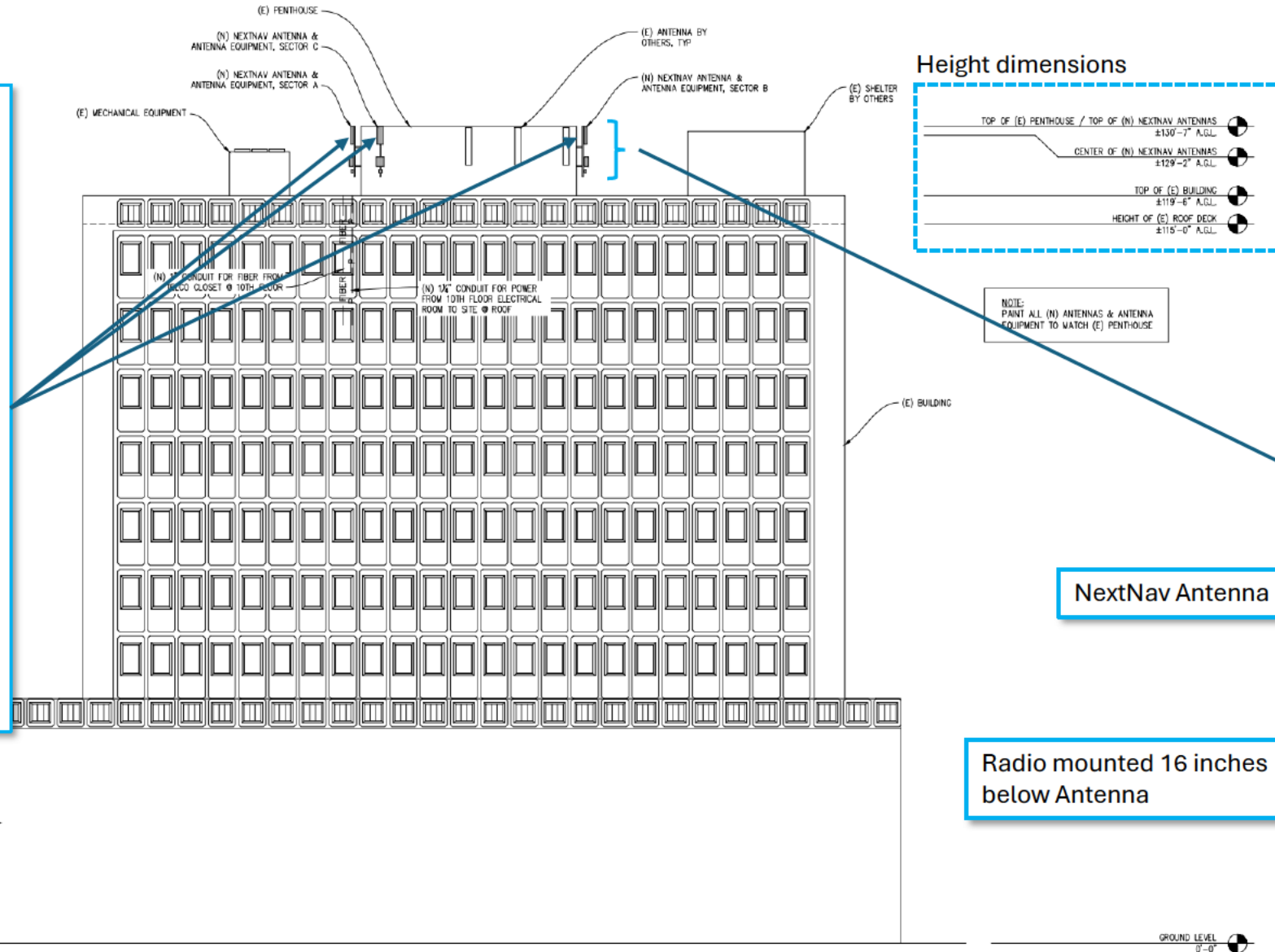
Packaging Quantity	1pc/Carton
Carton Size	910*545*120mm
(Length / Width / Height)	35.8\"/>
Packaging Weight	9.9kg/21.8lb

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900 MHz 60 Degree Sector Antenna SS 10122015

Example Antenna Deployment on Building

NextNav antenna typically attached on Penthouse facade such that top of the antenna is not above the roofline of the existing Penthouse. None of the building locations used require or have existing aviation obstruction lighting.

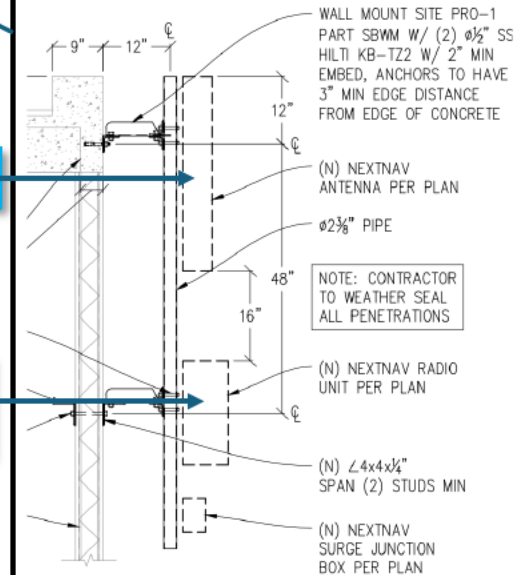


Antenna Attachment

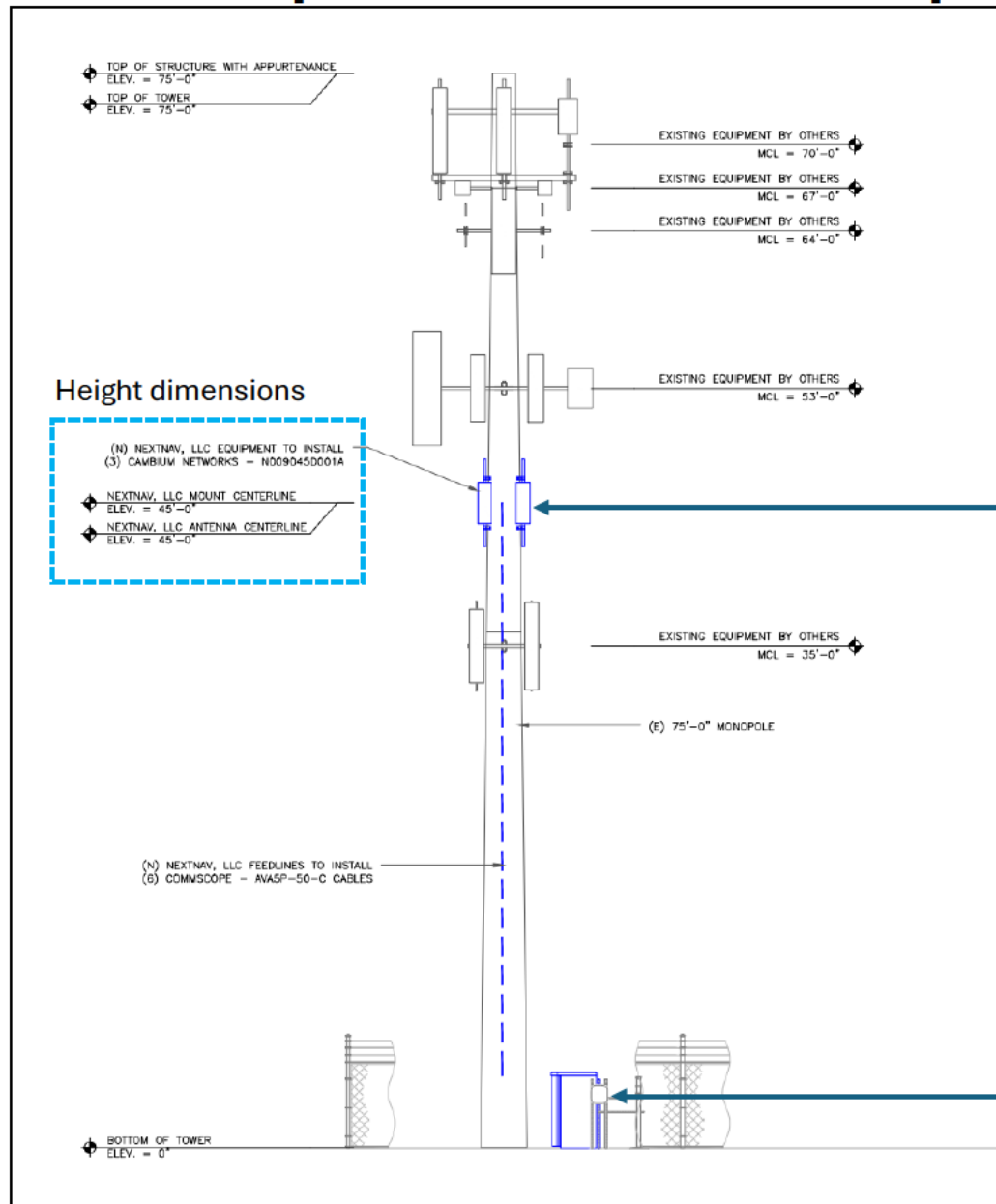


NextNav Antenna

Radio mounted 16 inches below Antenna

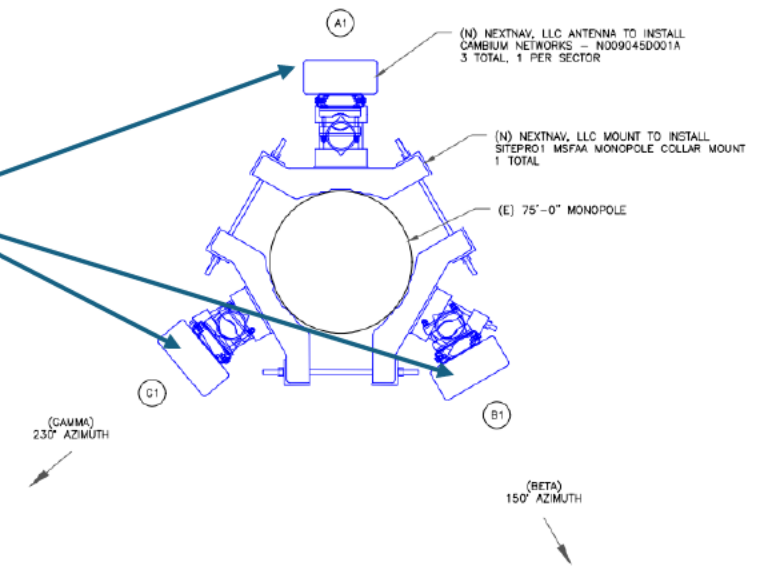


Example Antenna Deployment on Tower



NextNav
Antenna
typically
attached on
side arm,
attached to
structure at
available Rad
center.

Top View of Antenna attachment



Radio Unit on H-Frame near
the shelter on the ground
~ 40 feet below the antenna