

Lite-Site 20

CDMI's Lite-Site 20 is heavy-duty on-grade foundation system that supports our Lite-Pole monopoles – up to a height of 150 feet plus AGL – all within a 20 ft x 20 ft footprint.

Lite-Site 20 is professionally engineered to be utilized as a permanent or temporary site. Its rigid design allows it to support multiple carriers even in high wind regions.

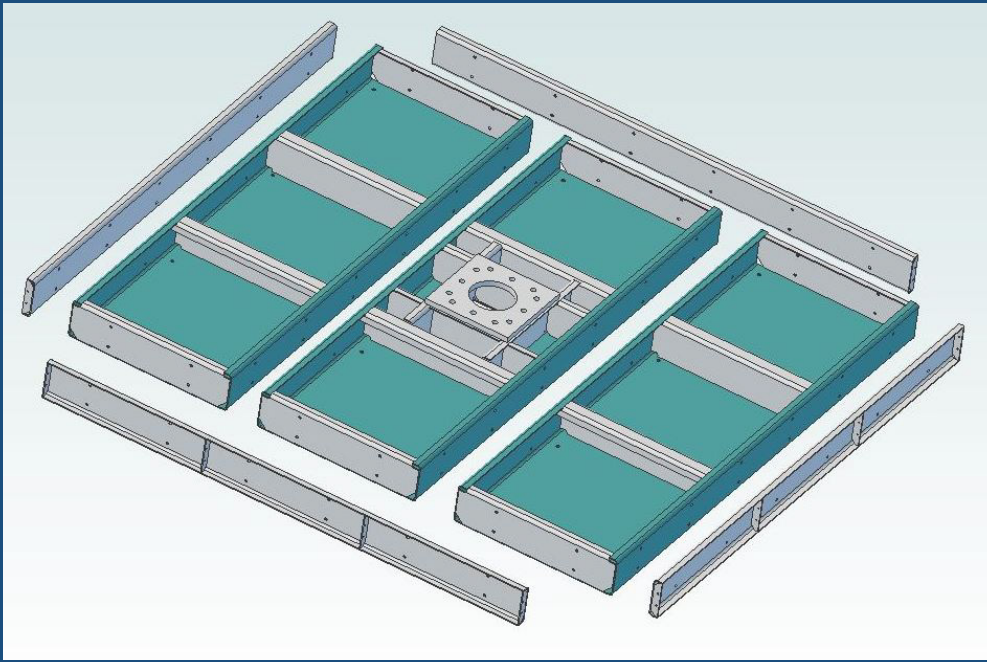
Need to restore communication service? Lite-Site 20 is often used to provide temporary relief when suffering the loss of a leased tower, special events, disaster recovery, or when relocating multiple carriers off a water tank or building.

Lite-Site 20 is preferred on-grade foundation system by construction crews for its simplistic design and quick assembly. Lite-Site 20 can be erected in one day!

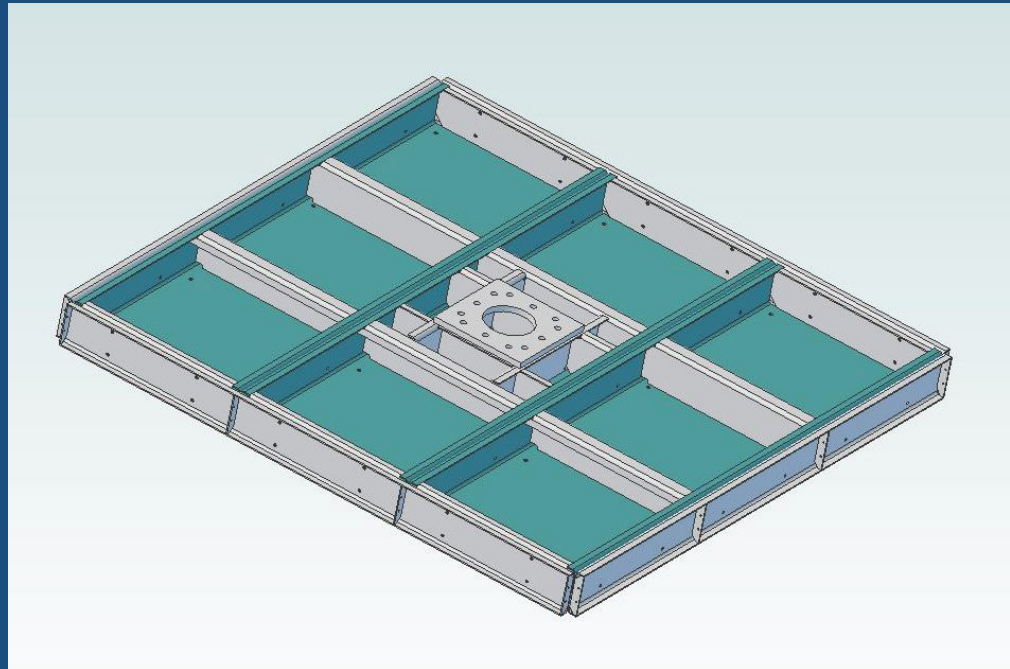


Lite-Site 20

The Lite-Site 20 consists of 3 trays and 4 perimeter cannels that bolt together. One tray contains the base plate where the anchor bolts and monopole is placed. Both rails and trays are symmetrical to ensure easy installation.



When the Lite-Site 20 is fully assembled it creates a 20' x 20' footprint. Installation of the foundation takes no longer than a few hours. The tray that contains the base plate can be mounted in the center or on the edge of the foundation. The edge mounted monopole option enlarges the area on top of the ballast block to mount equipment, however also reduces the overall capacity of the foundation slightly.





Lite-Site 20

Measurements

- *Assembled Foundation - 19'-11.75" sq*
- *Foundation Height - 1'-6"*
- *Foundation Height w/ Ballast - 2'-3.5"*

Ballast Requirements

- *100,000 lbs evenly distributed to obtain a 1,100 OTM*
- *(8) Ballast block @ 12,500 lbs ea*

Monopole

- *LP-STP36, LPSTP36HD, LP-BTP36*
- *Slip Joint Tapered or External Flanged Bolt Together*
- *Heights from 25' to 150' in 25' increments.*

Overturning Moment (OTM)

- *Centered Monopole - 1,100 ft kips*
- *Edge Mounted Monopole - 870 ft kips*

Soil Bearing Pressure

- *1,500 psf max*

Foundation Weight

- *Assembled Foundation - 21,000 lbs*
- *(4) Perimeter Channels - 805 lbs ea (3,220 lbs)*
- *(2) Foundation Trays - 4,940 lbs ea (9,880 lbs)*
- *Foundation Tray w/ Baseplate - 6,600 lbs*

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