



A CASE HISTORY

Anchors and Foundations for Telecom Industry

Site Owner: American Tower Corporation

Tower Supplier:
Foundation Contractor:

Landmark Tower Corporation
Lomas Construction
San Antonio, TX

Location: Morgan City, LA

Tower Type : Self-supported
Tower Height : 190'-0"
Foundation Reactions:
Maximum Compression per Leg 324.1 kips*
Maximum Uplift per Leg 257.8 kips
Maximum Groundline Shear 68.0 kips
*Plus weight of concrete pile cap of 30.0 kips

Soil Profile:
0 - 20' Firm to very soft clay
20' - 45' Loose sand
45' plus Medium to very dense sand

Helical Foundation Units:
Type SS175 lead with SS175/HS transition coupler plus HS plain extension material

Ultimate Capacity (UCt) = UCb + UCf
UCt = 80.0 + 0.0 = 80.0 kips

10 helical piles per tower leg were required

Installation Equipment:
John Deere 410D Heavy-lift backhoe equipped with a 12,500. ft-lb drive motor with an internal torque-monitoring device
Posi-Track equipped with a 15,000 ft-lb drive motor with an internal torque-monitoring device

See detailed drawings on other side.



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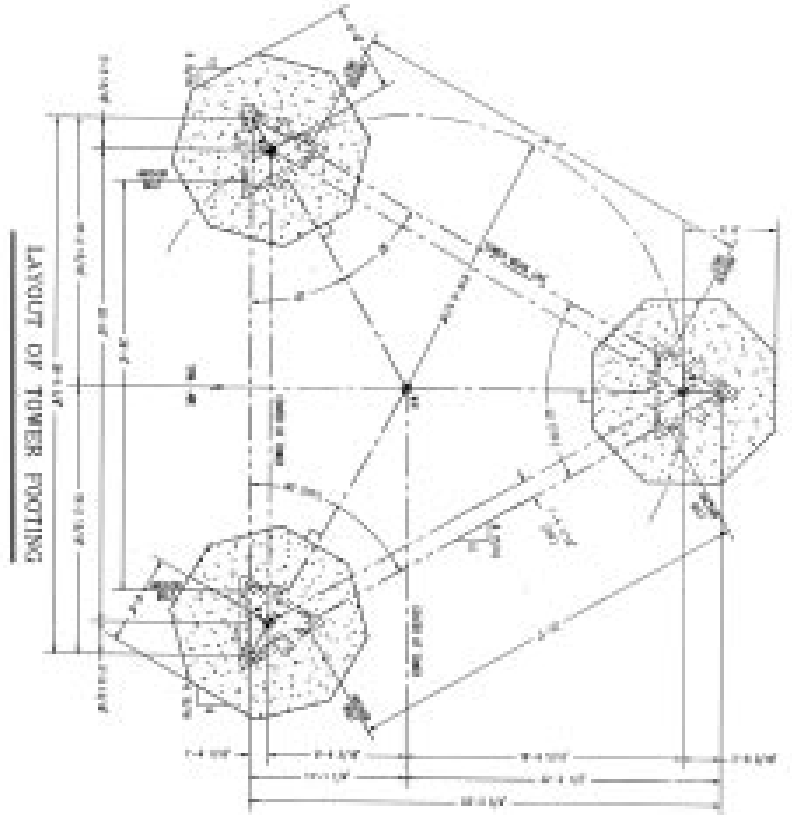
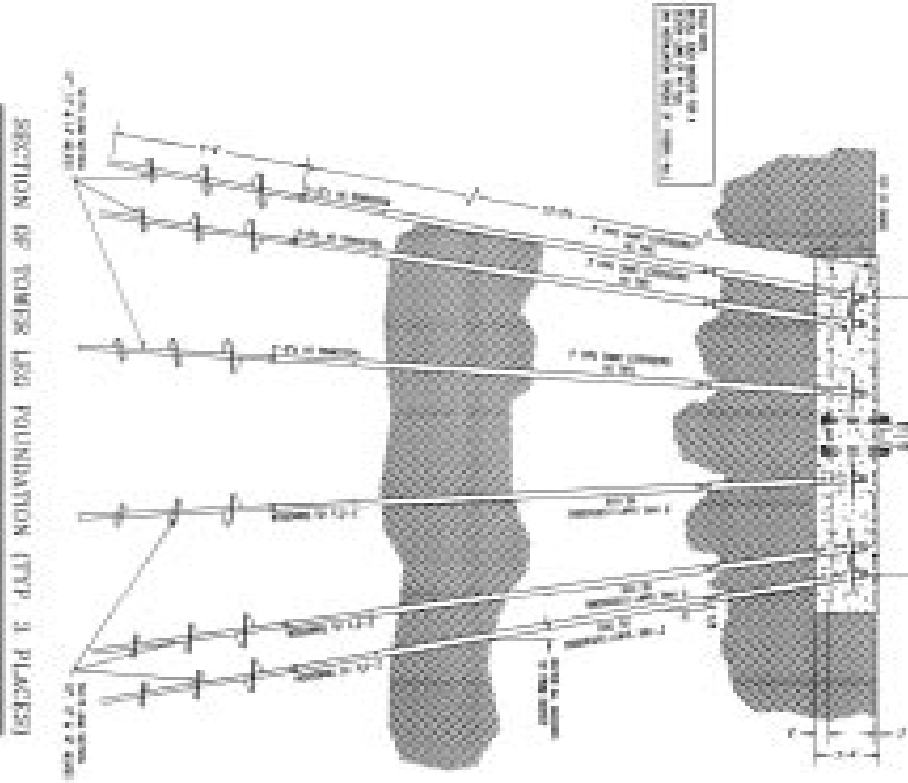
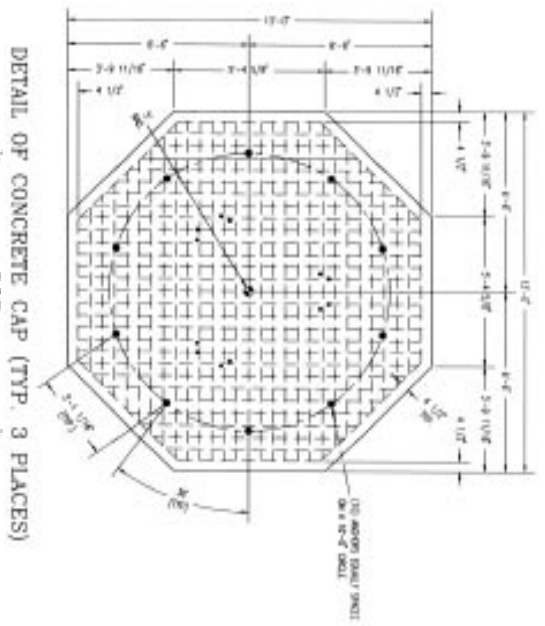
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Because Hubbell has a policy of continuous product improvement, we reserve the right to change design and specifications without notice.

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