EXPERIENCED. RELIABLE. INNOVATIVE.

DAS & SMALL CELL PRODUCTS
A SAMPLE OF STRUCTURES AND COMPONENTS
DESIGNED AND MANUFACTURED BY WESTERN UT
FDP-SAL
Fluted Decorative Pole with Single Acorn Light

Design Features:
- Designed for pole top cylinder antennas
- Accommodates splitters and cable management below antenna
- Includes PIM reduction coating on antenna mount
- Removable 2-piece tapered skirt below antenna mount
- Mount provides rotatability and antenna leveling
- Galvanized, power coat, or concrete textured finishes
- Optional decorative pole base shroud available
- Optional base cabinet for housing radio equipment

General Design Criteria:
- $V_{axd}$ (3-Sec. Gust) = 110 mph
- $V_{atl}$ (3-Sec. Gust) = 143 mph
- Exposure C
- Structure Class/Risk Category II
- Topographic Category 1

<table>
<thead>
<tr>
<th>Product No.</th>
<th>Pole Ht., H</th>
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<tbody>
<tr>
<td>FDP-SAL 18</td>
<td>18 ft.</td>
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<tr>
<td>FDP-SAL 20</td>
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<tr>
<td>FDP-SAL 22</td>
<td>22 ft.</td>
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<tr>
<td>FDP-SAL 24</td>
<td>24 ft.</td>
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<tr>
<td>FDP-SAL 26</td>
<td>26 ft.</td>
</tr>
<tr>
<td>FDP-SAL 28</td>
<td>28 ft.</td>
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</table>
FDP-DGL

Fluted Decorative Pole with Dual Globe Light

**Design Features:**
- Designed for pole top cylinder antennas
- Accommodates splitters and cable management below antenna
- Includes PIM reduction coating on antenna mount
- Removable 2-piece tapered skirt below antenna mount
- Mount provides rotatability and antenna leveling
- Galvanized, power coat, or concrete textured finishes
- Optional decorative pole base covers available
- Optional base cabinet for housing radio equipment

**General Design Criteria:**
- $V_{a3d}$ (3-Sec. Gust) = 110 mph
- $V_{ult}$ (3-Sec. Gust) = 143 mph
- Exposure: C
- Structure Class/Risk Category: II
- Topographic Category: 1

<table>
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<tr>
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<td>26 ft.</td>
</tr>
<tr>
<td>FDP-DGL 28</td>
<td>28 ft.</td>
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</tbody>
</table>
DAP-SGL
Decorative Antenna Pole with Single Globe Light (16033)

**Design Features:**
- Designed for pole top cylinder antennas
- Area for splitters and cable management below antenna
- Includes PIM reduction coating on antenna mount
- Removable 2-piece tapered skirt below antenna mount
- Mount provides rotatability and antenna leveling
- Galvanized, power coat, or concrete textured finishes
- Optional decorative pole base shroud available
- Optional base cabinet for housing radio equipment

**General Design Criteria:**
- \( V_{avg} \) (3-Sec. Gust) = 110 mph
- \( V_{ult} \) (3-Sec. Gust) = 143 mph
- Exposure C
- Structure Class/Risk Category II
- Topographic Category 1

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<tr>
<td>DAP-SGL 28</td>
<td>28 ft.</td>
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</tbody>
</table>
CASLP-xx
Cylinder Antenna Street Light Pole

**Design Features:**
- Designed for pole top cylinder antennas
- Accommodates splitters and cable management below antenna
- Includes PIM reduction coating on antenna mount
- Removable 2-piece tapered skirt below antenna mount
- Mount provides rotatability and antenna leveling
- Light arm lengths available in a variety of lengths
- Galvanized, power coat, or concrete textured finishes
- Optional decorative base covers available

**General Design Criteria:**
- $V_{aad}$ (3-Sec. Gust) = 110 mph
- $V_{ult}$ (3-Sec. Gust) = 143 mph
- Exposure C
- Structure Class/Risk Category II
- Topographic Category 1

<table>
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<tr>
<td>CASLP-24</td>
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<td>CASLP-26</td>
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<td>CASLP-28</td>
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<tr>
<td>CASLP-30</td>
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<td>CASLP-32</td>
<td>32 ft.</td>
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<tr>
<td>CASLP-34</td>
<td>34 ft.</td>
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</table>
PBC-ST
Square Tapered Pole Base Cabinet (ID-636)

**Design Features:**
- Designed for RRU equipment with power supply units
- (3) cooling fans provided for adequate cooling of equipment
- Accommodates typical street light poles (11½" to 12½" BC)
- Removable panels for equipment installation & mounting
- Screened vents to minimize insect intrusion
- 6½" dia. openings top & bottom for cable routing
- Optional paint or powder coat finish available

**General Design Criteria:**
- $V_{sad}$ (3-Sec. Gust) = 110 mph
- $V_{ult}$ (3-Sec. Gust) = 143 mph
- Exposure: C
- Structure Class/Risk Category: II
- Topographic Category: 1

**Mechanical Information:**
- Height (in.) = 40.0
- Top width (in.) = 25.5
- Base width (in.) = 27.5
- Cabinet weight without equip. (lbs.) = 580

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Salem, OR 97304
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PBC-S
Square Pole Base Cabinet (PR-165)

**Design Features:**
- Designed for RRU equipment with power supply units
- Accommodates typical street light poles (11½” to 12½” BC)
- Removable panels for equipment installation & mounting
- Screened vents to minimize insect intrusion
- 6½” dia. openings top & bottom for cable routing
- Optional paint or powder coat finish available

**General Design Criteria:**
- $V_{asd}$ (3-Sec. Gust) = 110 mph
- $V_{ult}$ (3-Sec. Gust) = 143 mph
- Exposure C
- Structure Class/Risk Category II
- Topographic Category 1

**Mechanical Information:**
- Height (in.) 48.0
- Top width (in.) 28
- Base width (in.) 28
- Cabinet weight without equip. (lbs.) 605
TMwCSTS
Top Mount w/ Concealment Shroud and Tapered Skirt (ID-508)

**Design Features:**
- Designed in accordance with ANSI/TIA-222-Rev. G
- Accommodates Amphenol, Commscope, and Kathrein cylinder antenna systems
- Area for splitters and cable management below antenna
- Mount provides antenna rotatability and leveling
- Includes PIM reduction coating on antenna mount
- Removable 2-piece tapered skirt below antenna mount
- Painting for concealment shroud and skirt available

**General Design Criteria:**
- $V_{ssd}$ (3-Sec. Gust) = 110 mph
- $V_{ult}$ (3-Sec. Gust) = 143 mph
- Exposure
- Structure Class/Risk Category II
- Topographic Category 1

**Mechanical Information:**
- EPA w/ 10½” dia. Top Mount (sq. ft.) 1.85
- EPA w/ 14.6” dia. Top Mount (sq. ft.) 2.55
- Weight of 10½” w/o antennas (lbs.) 50
- Weight of 14½” w/o antennas (lbs.) 65

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**SECTION A-A**

**ELEVATION VIEW**
10½” & 14½” Ø Versions Shown

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WPTMS-74S
Antenna Top Mount with Shroud for Wood Poles (PR-183)

**Design Features:**
- Designed for canister style antennas up to 4' tall
- Removeable radome for equipment and cable access
- 4” & 6” bolt circle diameters for 3/8” hardware at 120° apart
- Fits center mount style antennas with included adapter
- Accepted by utility companies and strict zoning jurisdictions
- Fits wood pole diameters from 8” to 18”.
- Optional paint or powder coat finish available

**General Design Criteria:**
- $V_{sad}$ (3-Sec. Gust) = 110 mph
- $V_{ult}$ (3-Sec. Gust) = 143 mph
- Exposure C
- Structure Class/Risk Category II
- Topographic Category 1

**Applied EPA & Forces at Wood Pole:**
- EPA w/4’ x 14¼” dia. radome (sq. ft.) = 4.00
- EPA w/6’ x 18¼” dia. radome (sq. ft.) = 7.5
- Wt. of 14¼” w/o antennas/equip. (lbs.) = 185
- Wt. of 18¼” w/o antennas/equip. (lbs.) = 200
**WPSM-H33**  
Horizontal Side Arm Mount for Wood Poles (ID-656)

**Design Features:**
- Designed for canister style antennas up to 4' tall
- Removable arm shroud for equipment and cable access
- Rotatable antenna mount for desired azimuth
- Fits center mount style antennas with included adapter
- Includes PIM reduction coating on antenna bracket
- Fits wood pole diameters from 8” to 18”
- Accepted by utility companies and strict zoning jurisdictions

**General Design Criteria:**
- $V_{aso}$ (3-Sec. Gust) = 110 mph
- $V_{ult}$ (3-Sec. Gust) = 143 mph
- Exposure = C
- Structure Class/Risk Category = II
- Topographic Category = 1

**Applied EPA & Forces at Wood Pole:**
- EPA w/2' x 14.6" dia. antenna (sq. ft.) = 4.00
- EPA w/4' x 14.6" dia. antenna (sq. ft.) = 5.45
- Factored Wind Shear (lbs.) = 165
- Weight without antennas/equip. (lbs.) = 110
**SPSM-H24**

**Horizontal Side Arm Mount for Steel Poles (PR-182)**

**Design Features:**
- Designed for Commscope 3X-V65S-G-3XR canister style antennas
- Removable shroud below antenna for cable connector access
- Includes PIM reduction coating on antenna bracket
- 360° rotatability for obtaining desired azimuths
- Fits pole diameters from 1.9" OD to 4" OD.
- Quick deploy solution for aggressive schedules

**General Design Criteria:**
- $V_{ass}$ (3-sec. Gust) = 110 mph
- $V_{ult}$ (3-sec. Gust) = 143 mph
- Exposure C
- Structure Class/Risk Category II
- Topographic Category 1

**Mechanical Information:**
- Effective Projected Area (sq. ft.) 3.20
- Weight without antennas/equip. (lbs.) 30
WPTEMSC-FRP
FRP Wood Pole Top Mount for Small Cell Panels (PR-173)

**Design Features:**
- Provides 9½' height extension above existing wood pole
- Includes 2½' panel antenna mounting pipe
- Fits pole diameters from 8” to 18”
- Accommodates mounting up to (3) panel antennas
- 6” square x 7’ tall nonconductive FRP tube mast extension
- Hot dip galvanized steel interface components

**General Design Criteria:**
- $V_{3s}$ (3-Sec. Gust) = 90 mph
- $V_{ult}$ (3-Sec. Gust) = 116 mph
- Exposure C
- Structure Class/Risk Category II
- Topographic Category 1

**Mechanical Information:**
- Antenna Mounting Pipe OD (in.) 2.375
- Weight without antennas/equip. (lbs.) 150
- Effective Projected Area (sq. ft.) 7.6

**Applied Forces at top of Wood Pole:**
- Wind Shear (lbs.) 280
- Wind Moment (ft.-lbs.) 1,750
- Mount Weight (lbs.) 150

ANTENNA CONFIGURATIONS
WPM-24x48-FET
Small Faux Electrical Transformer for Wood Poles (PR-180)

Design Features:
- Single panel antenna concealment mounting solution
- Removable top and bottom for equipment access
- Accepted by utility companies and strict zoning jurisdictions
- Shroud is a single fiberglass tube painted light gray.
- Fits wood pole diameters from 8” to 18”.
- Antenna and radio brackets included.

General Design Criteria
- $V_{asm}$ (3-Sec. Gust) = 90 mph
- $V_{ult}$ (3-Sec. Gust) = 116 mph
- Exposure C
- Structure Class/Risk Category II
- Topographic Category 1

Applied Forces on Wood Pole:
- Factored Wind Shear (lbs.) 165
- Weight without antennas/equip. (lbs.) 150
RETB-A
Radio Equipment Trash Bin - Style A (17065)

**Design Features:**
- Designed for concealing radio equipment
- Accommodates power disconnect and electrical junction boxes
- Includes functional trash receptacle
- Removable separator limits accessibility to radio equipment
- Constructed of powder coated galvanized steel
- Anchors to concrete slab or sidewalks

**General Design Criteria:**
- \( V_{est} \) (3-Sec. Gust) = 110 mph
- \( V_{ult} \) (3-Sec. Gust) = 143 mph
- Exposure: C
- Structure Class/Risk Category: II
- Topographic Category: 1

**Mechanical Information:**
- Height (in.) = 38.5
- Diameter (in.) = 28.0
- Weight without equip. (lbs.) = 200