


STRAND MOUNTED SMALL CELL EQUIPMENT ATTACHED IN THE COMMUNICATION SPACE

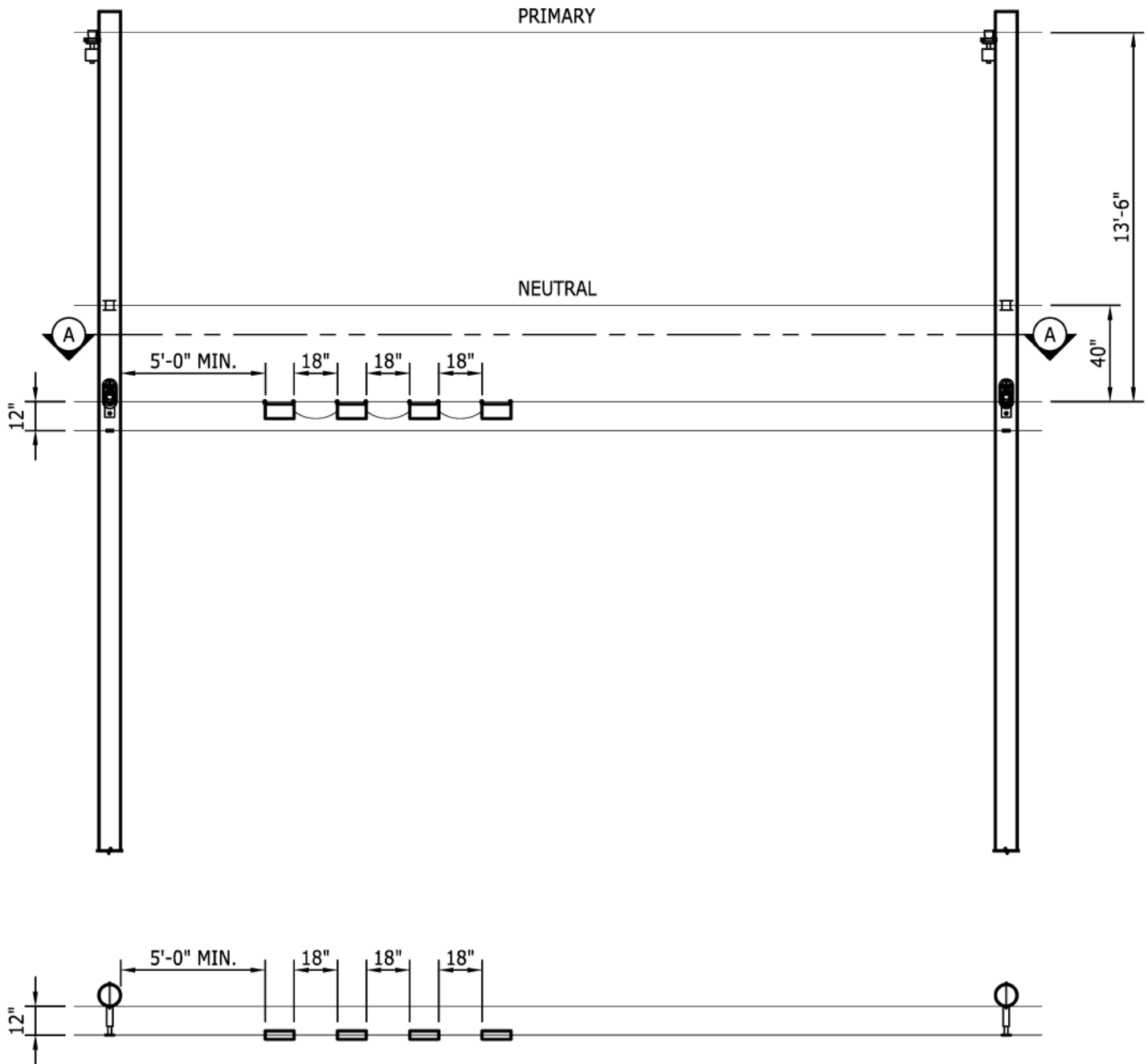
These specifications apply to any pole attachment and request by a cable television system or provider of telecommunications service to attach to a pole owned by TEP for strand mounted small cell equipment attached in the communication space ("Strand Mounted Equipment"). All requests to attach to a pole owned by TEP must be submitted utilizing TEP's electronic Permit to Attach process. TEP's written approval for the specific request and a validly existing agreement is required prior to installing any attachments to a pole owned by TEP.

GENERAL REQUIREMENTS

- A. In addition to these specifications, all Strand Mounted Equipment must meet TEP's General Attachment Specifications, TEP standards, and any other applicable industry and/or governing standards. In the event of a conflict between these specifications and any other specification or standard, TEP may apply the more stringent requirement.
- B. Panel-type antennas are limited to no more than two (2) antennas and two (2) radios on one side of a pole with its ancillary equipment, such as a router and power conversion unit, on the other side of the pole for weight distribution purposes. If a single panel antenna and a single radio are used, then all of the equipment including any ancillary equipment, such as the router and power conversion equipment, may be mounted on one side of the pole.
- C. Omni-type antennas are limited to no more than two (2) Omnis attached to a single radio on the same bracket and no more than two (2) radios with their associated Omnis and supporting ancillary hardware, such as a router and power conversion unit, may be mounted on one side of a pole. If a single radio is attached with its two (2) Omni antennas mounted on the same bracket, then all of the equipment including any ancillary equipment, such as the router and power conversion equipment, may be mounted on one side of the pole.
- D. "Mixed use" installations may consist of: (1) a single radio with Omni-type antennas on the same bracket and an associated ancillary router mounted on one side of the pole; and (2) a single panel antenna with a single radio including any ancillary equipment mounted on the other side of the pole.
- E. Strand Mounted Equipment is prohibited on or near poles with reclosers, regulators, capacitors, switches, or other TEP equipment that may be affected by radio control.
- F. Color schemes for all Strand Mounted Equipment are limited to grey or black. All Strand Mounted Equipment must blend in with the existing cables to the greatest extent practicable.
- G. RF warning labels must be attached to all Strand Mounted Equipment - consistent with all applicable OSHA requirements - and on the closest pole.
- H. The phone number for the communications Network Operations Center (NOC) must be prominently labeled on the Strand Mounted Equipment.
- I. All Strand Mounted Equipment shall be a minimum of 5' (feet) from the pole.
- J. All Strand Mounted Equipment is limited to a maximum vertical profile of 12" (inch) and a maximum horizontal profile of 24" (inch).
- K. Separation of all Strand Mounted Equipment from other pole attachments shall be a minimum of 4" (inch) anywhere in the span.
- L. TEP may require 12" (inch) standoff brackets to offset Strand Mounted Equipment from other pole attachments, as determined by engineering survey.

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STRAND MOUNTED SMALL CELL SPECIFICATION



SECTION A-A

NOTES:

1. TWELVE (12) INCH STANDOFF BRACKET(S) MAY BE REQUIRED.
2. EQUIPMENT SHALL BE A MINIMUM OF 5 FEET FROM POLE.
3. RF WARNING LABELS SHALL BE ATTACHED TO SMALL CELL ANTENNAS AND THE CLOSEST POLE.

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