POLE ATTACHMENTS

WIRELESS COMMUNICATION ATTACHMENTS

1-PHASE TANGENT POLE

ANTENNA GROUND WIRE

LOWEST POINT OF SMALL CELL ATTACHMENT (NOTE 1)

LOCATED ON FIELD SIDE

MAX ONE 1" SCH80 PVC CONDUIT (NOTE 2)

GUY ATTACHMENT LOCATION WHEN TOP MOUNTING BOLT REQUIRED

9' 6"

5' 0" MAX

GROUND WIRE

MAX 4'x4'x4' EQUIPMENT ENCLOSURE

METER AND DISCONNECT SWITCH

USE LAG BOLTS TO ATTACH C-STRAPS TO POLE. ATTACH C-STRAPS EVERY FIVE (5) FEET. ATTACH CONDUIT TO C-STRAPS. (NOTE 1)

GROUND

GROUND ROD (NOTE 3)

NOTES:
1. USE THROUGH BOLTS TO ATTACH TO WOOD POLES.
2. ON STEEL POLES USE BOLT-A-BAND EVERY FIVE (5) FEET AND ATTACH CONDUIT TO BANDS.
3. GROUND ANTENNA AND ENCLOSURE TO GROUND ROD. USE EXISTING POLE GROUND ROD IF AVAILABLE.

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POLE ATTACHMENTS

WIRELESS COMMUNICATION ATTACHMENTS

2-PHASE AND 3-PHASE NARROW PROFILE TANGENT POLE

ANTENNA GROUND WIRE

LOWEST POINT OF SMALL CELL ATTACHMENT (NOTE 1)

MAX ONE 1" SCH80 PVC CONDUIT (NOTE 2)

TOP ARM LOCATED ON FIELD SIDE

9' 6"

6"

GUY ATTACHMENT LOCATION WHEN TOP MOUNTING BOLT REQUIRED

ROADSIDE PREFERRED OR INSIDE ANGLE

MAX 4'*4'*4' EQUIPMENT ENCLOSURE

METER AND DISCONNECT SWITCH

USE LAG BOLTS TO ATTACH C-STRAPS TO POLE. ATTACH C-STRAPS EVERY FIVE (5) FEET. ATTACH CONDUIT TO C-STRAPS. (NOTE 1)

GROUND WIRE

GUY ATTACHMENT LOCATION WHEN TOP MOUNTING BOLT REQUIRED

GROUND

GROUND ROD (NOTE 3)

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   USE EXISTING POLE GROUND ROD IF AVAILABLE.
POLE ATTACHMENTS
WIRELESS COMMUNICATION ATTACHMENTS
STREETLIGHT POLE ATTACHMENT

NOTES:
1. ON STEEL POLES USE BOLT-A-BAND AND ATTACH CONDUIT TO BAND.
2. GROUND ANTENNA AND ENCLOSURE TO GROUND ROD.
   UTILIZE EXISTING POLE GROUND ROD IF AVAILABLE.

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2. ON STEEL POLES USE BOLT-A-BAND EVERY FIVE (5) FEET AND ATTACH CONDUIT TO BANDS.
3. GROUND ANTENNA AND ENCLOSURE TO GROUND ROD.
   USE EXISTING POLE GROUND ROD IF AVAILABLE.
NOTE:

1. COMMUNICATION SHALL BE MINIMUM 40" BELOW LOWEST POWER WHICH INCLUDES BUT
   NOT LIMITED TO: NEUTRAL DRIP LOOPS, ENERGIZED CONDUCTORS, BOTTOM OF
   TRANSFORMERS, TOP OF PRIMARY AND SECONDARY RISERS.
1. COMMUNICATION SHALL BE MINIMUM 40" BELOW LOWEST POWER WHICH INCLUDES BUT NOT LIMITED TO: NEUTRAL DRIP LOOPS, ENERGIZED CONDUCTORS, BOTTOM OF TRANSFORMERS, TOP OF PRIMARY AND SECONDARY RISERS.
RISER PLAN VIEW

RISER PROFILE VIEW

NOTES:
1. PLACE RISER BRACKETS EVERY SIX (6) VERTICAL FEET OR SPACE EVENLY, MINIMUM OF THREE (3) BRACKETS PER POLE.
2. UTILITY AND COMMUNICATION RISERS SHALL NOT BE MADE ON THE SAME POLE WHERE IT IS PRACTICAL TO PLACE THEM ON SEPARATE POLES.
3. ALL RISERS SHALL BE ARRANGED SO AS NOT TO INTERFERE WITH CLIMBING OR WORKING SPACE.
4. CONSULT SECTION 239 OF THE NESC FOR SITUATIONS NOT COVERED BY THIS STANDARD.

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>SUPPLIER</th>
<th>CATALOG #</th>
<th>QUANTITY</th>
<th>NOTES</th>
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<tr>
<td>CONDUIT STANDOFF BRACKET KIT</td>
<td>HUBBELL</td>
<td>C9C012</td>
<td>1</td>
<td>9&quot; OFFSET, 12&quot; LONG T-SLOT</td>
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<tr>
<td>CONDUIT STRAP KIT</td>
<td>HUBBELL</td>
<td>CSTK4</td>
<td>1</td>
<td>FOR A 4&quot; CONDUIT</td>
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NOTES:

1. EACH COMPANY (AUSTIN ENERGY AND COMMUNICATION) SHALL INSTALL INDEPENDENT GUYS AND ANCHORS FOR THEIR RESPECTIVE FACILITIES. AUXILIARY ANCHOR EYES ON UTILITY ANCHOR RODS SHALL NOT BE UTILIZED BY A COMMUNICATION COMPANY.

2. ALL ANCHORS MUST BE SEPARATED BY AT LEAST THREE (3) FEET.

3. IF AGREED BY MULTIPLE COMMUNICATION COMPANIES AND DESIGNED AS A SYSTEM TO SUPPORT THE TOTAL LOADS APPLIED, PROVIDED THE POINTS OF ATTACHMENT ARE RELATIVELY CLOSE TO EACH OTHER ON THE POLE, A COMMON COMMUNICATION GUY AND/OR ANCHOR CAN BE INSTALLED. COMMUNICATION COMPANY INSTALLING THE ANCHOR SHALL COORDINATE DESIGN AND INSTALLATION WITH ALL PARTIES. DESIGN SHALL BE SUBMITTED TO AUSTIN ENERGY FOR APPROVAL BEFORE CONSTRUCTION.

4. COMMUNICATION CABLE STRAND AND GUY WIRES SHALL BE BONDED AND CONNECTED TO THE POLE GROUND. COMMUNICATION COMPANIES SHALL FURNISH THE NECESSARY #6 SOFT DRAWN BARE COPPER WIRE AND CONNECTORS TO CONNECT DIRECTLY TO THE POLE GROUND.

5. NO COMMUNICATION ANCHOR SHALL BE INSTALLED CLOSER THAN FIVE (5) FEET FROM THE SURFACE OF THE POLE.
NOTES:
1. COMMUNICATION MESSENGER STRAND SHALL BE BONDED TO THE POLE GROUND ON EVERY POLE.
2. ATTACHER TO FURNISH #6 SOFT DRAWN BARE COPPER BONDING WIRE AND CONNECTORS AND CONNECT TO POLE GROUND.
NOTES:

1. IN THE EVENT OF MULTIPLE GOVERNING AUTHORITIES THE MOST STRINGENT RULE SHALL APPLY.