

TOP OF WEATHERHEAD MAST  
MUST BE FLUSH WITH  
TOP OF POLE

1-1/2" WEATHERHEAD

1-1/2" CONDUIT &  
STRAPS

METER BASE FURNISHED  
BY COOPERATIVE,  
INSTALLED BY  
MEMBER/ELECTRIAN

DISCONNECT:  
BREAKER SIZE 100 AMPS  
WITH RAIN-TIGHT BOX

5'-0" MINIMUM  
6'-0" MAXIMUM



4'-0" MINIMUM

**PRESSURE TREATED - PENTA POLE:**

1. ROUND ( 5" MINIMUM DIAMETER AT TOP) OR SQUARE (5"x5" MINIMUM)
2. 16'-0" LENGTH MINIMUM, SET 4'-0" IN GROUND

3-WIRES IN CONDUIT MUST BE:  
#4 STRANDED COPPER OR  
#2 STRANDED ALUMINUM  
WITH THW COATING

ADDITIONAL SUPPORT MAY BE  
REQUIRED, IT IS THE MEMBER'S  
RESPONSIBILITY TO SECURE POLE  
AS WELL AS THE ELECTRICAL  
ENCLOSURES

1-1/2" X 4" CONDUIT NIPPLE

#6 BARE GROUND WIRE

5/8" X 8'-0" COPPER CLAD  
GROUND ROD & GROUND CLAMP  
SHALL BE INSTALLED FLUSH OR  
JUST BELOW GRADE.

**NOTES**

1. MEMBER PROVIDES AND INSTALLS: SERVICE ENTRANCE CONDUCTORS, CONDUITS, WEATHER-HEAD, SERVICE DISCONNECT SWITCH, GROUND ROD, WIRE, AND ALL RELATED MATERIALS. ALL WORK SHALL COMPLY WITH COOPERATIVE STANDARDS, THE NATIONAL ELECTRIC CODE, AND AUTHORITIES HAVING JURISDICTION.
2. COOPERATIVE PROVIDES AND INSTALLS METER AND SERVICE DROP CONDUCTORS, AND MAKES CONNECTIONS AT THE WEATHER-HEAD.
3. THIS SERVICE SHALL BE INSTALLED AT A LOCATION MUTUALLY AGREED UPON BY THE MEMBER AND THE COOPERATIVE.
4. ALL CONDUITS SHALL BE ELECTRICAL GRADE PVC, EMC, IMC, OR RMC. ALL CONDUIT CONNECTIONS SHALL BE RAIN-TIGHT. WEATHER-HEAD MATERIAL SHOULD BE OF THE SAME MATERIAL AS CONDUIT.
5. A MINIMUM OF 2'-0" OF EACH CONDUCTOR SHALL EXTEND FROM THE WEATHER-HEAD. THE NEUTRAL SHALL BE MARKED WITH WHITE TAPE ON BOTH ENDS. SEE TABLE BELOW.
6. MINIMUM OF 3 FEET OF CLEARANCE BETWEEN ELECTRIC METER AND GAS METER.
7. POINT OF ATTACHMENT SHALL BE ACCESSIBLE TO COOPERATIVE'S BUCKET TRUCK.
8. THE SERVICE ENTRANCE PANEL/DISCONNECT SHALL BE GROUNDED PER THE NATIONAL ELECTRIC CODE BEFORE COOPERATIVE WILL INSTALL SERVICE AND METER.
9. SERVICE ENTRANCE DISCONNECTS SHALL BE EITHER FUSED OR BREAKER TYPE, RATED FOR SERVICE ENTRANCE.
10. POWER SUPPLY FROM THE MAIN DISCONNECT SHALL MEET THE REQUIREMENTS OF SECTION 550 OF THE NATIONAL ELECTRIC CODE(NEC)
11. OVERHEAD LINE CAN NOT CROSS RESIDENTIAL DRIVEWAYS, PUBLIC DRIVEWAYS, ALLEYS, ROADS, OR OTHER AREAS SUBJECT TO TRUCK & CONSTRUCTION TRAFFIC.

**MAKE AN ARKANSAS ONE CALL  
48 HOURS BEFORE YOU DIG  
DIAL 1-800-482-8998**

IT SHALL BE A MEMBER'S  
RESPONSIBILITY TO STAY CLEAR  
OF ALL UNDERGROUND FACILITIES

**NOTICE**

THIS DRAWING ILLUSTRATES AVECC REQUIREMENTS ONLY, AND IS NOT INTENDED TO BE A COMPREHENSIVE GUIDE FOR THE INSTALLATION OF AN ELECTRICAL SERVICE. TO INSURE A SAFE, QUALITY INSTALLATION THAT COMPLIES WITH THE NATIONAL ELECTRICAL CODE, AND LOCAL CODE REQUIREMENTS; THE COOPERATIVE RECOMMENDS THAT ALL WORK BE DONE BY A QUALIFIED, LICENSED ELECTRICAL CONTRACTOR.



**ARKANSAS VALLEY ELECTRIC  
COOPERATIVE COOPERATION**

TITLE  
100 AMPERE METER POLE  
INSTALLATION

DWG#: SPEC-0000006	DATE: 06.06.17	SCALE: NTS
DRAWN BY: JDC	REV: 0	REV. DATE: N/A