



**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.

**NOTE:** (2) DISCONNECTS MAY BE SERVED FROM ONE METER SO LONG AS COMBINED DISCONNECT AMPERE RATING DOES NOT EXCEED THE RATING OF THE METER. COORDINATE WITH AVECC PRIOR TO RACK CONSTRUCTION. RACK LENGTH MUST ACCOMMODATE THE METER, DISCONNECTS, AND CONTROL CABINET IF MOUNTED ON RACK.

- NOTES**
1. MEMBER PROVIDES AND INSTALLS THE MOUNTING RACK, RISER CONDUIT, METER SOCKET, SERVICE DISCONNECT SWITCH, GROUND ROD AND WIRE, AND ALL RELATED MATERIALS. ALL WORK SHALL COMPLY WITH COOPERATIVE STANDARDS, THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE, AND ANY AUTHORITIES HAVING JURISDICTION.
  2. COOPERATIVE PROVIDES AND INSTALLS THE METER AND THE SERVICE LATERAL CONDUCTORS FROM THE COOPERATIVE'S SOURCE TO THE METER.
  3. THIS SERVICE SHALL BE INSTALLED AT A LOCATION MUTUALLY AGREED UPON BY THE MEMBER AND THE COOPERATIVE. THE LOCATION SHOULD BE IMMEDIATELY ADJACENT TO A ROADWAY OR DRIVE WHICH IS EASILY ACCESSIBLE AT ALL TIMES BY COOPERATIVE VEHICLES WITHOUT HAVING TO CROSS YARDS, FIELDS, DITCHES, OR AREAS SUBJECT TO FLOOD OR IRRIGATION.
  4. MEMBER PROVIDES TRENCH AND ANY REQUIRED CONDUIT FROM THE SERVICE TO THE COOPERATIVE'S SOURCE.
  5. ALL ABOVE GROUND CONDUITS SHALL BE ELECTRICAL GRADE SCHEDULE 40 PVC, EMT, IMC, OR RMC. ALL CONDUITS SHALL BE RAINTIGHT.
  6. ALL MATERIAL AND WORKMANSHIP SHALL COMPLY WITH LATEST EDITION OF THE NATIONAL ELECTRIC CODE.
  7. MEMBER PROVIDES A 24" DEEP BY 12" WIDE TRENCH AND SCHEDULE 80 PVC 36" SWEEP ELBOW WITH END-BELL AND SCHEDULE 80 PVC RISER CONDUIT TO THE METER. IF SERVICE IS REQUIRED TO BE INSTALLED IN CONDUIT TO THE COOPERATIVE'S SOURCE, SEE TABLE BELOW FOR CONDUIT SIZE.
  8. MOUNTING RACK VERTICAL POSTS MUST BE A MINIMUM OF 3" SCHEDULE 40 RIGID WEATHERPROOF PIPE, 6" ROUND TREATED POSTS, OR 4"x4" TREATED POSTS. POSTS MUST BE SET 36" DEEP. STEEL POSTS SHOULD BE SET IN CONCRETE. POSTS MUST BE SPACED TO PROVIDE STABLE MOUNTING FOR THE EQUIPMENT. MOUNTING RACK CROSS-MEMBERS MUST BE WEATHERPROOF STEEL OR TREATED WOOD OF SUFFICIENT NUMBER, SIZE, STRENGTH, AND SPACING TO PROVIDE STABLE MOUNTING OF THE ELECTRICAL ENCLOSURES. ALTERNATE RACK MATERIAL MAY BE ACCEPTABLE WITH PRIOR APPROVAL FROM AVECC.
  9. MAINTAIN 3'-0" WORKING CLEARANCE AROUND METER RACK.
  10. MEMBER SHALL PROVIDE PROTECTIVE METAL PIPE BARRIER IF METER RACK IS SUBJECT TO VEHICULAR TRAFFIC.
  11. SERVICE DISCONNECT SWITCH BOXES MUST NOT BE USED AS A FEED THROUGH BOX. EACH DISCONNECT MUST HAVE A SEPARATE CONDUIT TO METER.

**RESIDENTIAL ONLY**

MEMBER INSTALLATION MINIMUM WIRE AND CONDUIT SIZE					
SERVICE RATING	CONDUIT SIZE	ALUMINUM PER NEC	COPPER PER NEC	NEUTRAL	GROUND WIRE SIZE
100A	3"	#2	#4	SAME AS PHASE	#6 CU
200A	3"	4/0	2/0	SAME AS PHASE	#4 CU
320A	3"	500 kcmil	350 kcmil	SEE NEC	#2 CU



**ARKANSAS VALLEY ELECTRIC  
COOPERATIVE COOPERATION**

TITLE  
**UNDERGROUND METER AND  
EQUIPMENT RACK  
UP TO 320 AMPS**

DWG#: SPEC-0000011	DATE: 06.06.17	SCALE: NTS
DRAWN BY: JDC	REV: 0	REV. DATE: N/A