



**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

NOTE: REFER TO DRAWING SPEC-0000004 FOR METER BASE CONDUCTOR CONNECTION DETAILS.

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.

NOTES

1. MEMBER PROVIDES AND INSTALLS: SERVICE ENTRANCE CONDUCTORS, CONDUITS, WEATHER-HEAD, SERVICE DISCONNECT SWITCH, GROUND ROD IF NECESSARY, 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 ON THE BUILDING AT A LOCATION MUTUALLY AGREED UPON BY THE MEMBER AND THE COOPERATIVE.
4. ALL CONDUITS SHALL BE ELECTRICAL GRADE PVC, EMC, IMC, OR RMC. ONLY RIGID METAL CONDUIT SHALL BE USED THROUGH THE ATTIC AND ABOVE THE ROOF. 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. THE SERVICE ENTRANCE DISCONNECT MEANS SHALL BE INSTALLED AT A READILY ACCESSIBLE LOCATION EITHER OUTSIDE OF A BUILDING OR STRUCTURE, OR INSIDE NEAREST THE POINT OF SERVICE CONDUCTOR ENTRANCE (NOT ALLOWED IN CLOSETS OR BATHROOMS). SERVICE ENTRANCE DISCONNECTS SHALL BE EITHER FUSED OR BREAKER TYPE, SERVICE ENTRANCE RATED.
7. ATTACHMENT POINT BY COOPERATIVE.
8. A SERVICE MAST MAY BE REQUIRED TO MEET MINIMUM CLEARANCES.
9. MINIMUM OF 3 FEET OF CLEARANCE BETWEEN ELECTRIC METER AND GAS METER.
10. GROUND WIRE MUST BE ATTACHED TO WALL.
11. ANY SERVICE GREATER THAN 320 AMPS, CONSULT THE COOPERATIVE.
12. POINT OF ATTACHMENT SHALL BE EITHER ACCESSIBLE TO COOPERATIVE'S BUCKET TRUCK OR HAVE ENOUGH SURFACE (SUCH AS WALL OR BUILDING STRUCTURE) AND SUFFICIENT GROUND SPACE ON SAME MEMBER'S PROPERTY TO SAFELY SUPPORT A LADDER.
13. THE SERVICE ENTRANCE PANEL/DISCONNECT SHALL BE GROUNDED PER THE NATIONAL ELECTRIC CODE BEFORE COOPERATIVE WILL INSTALL SERVICE AND METER. IF VISUALLY MEANS ARE AVAILABLE FOR THE COOPERATIVE TO IDENTIFY THE MEMBER'S GROUNDING METHOD WHICH COMPLIES WITH NEC ARTICLE 250, A GROUND ROD MAY NOT BE NECESSARY. OTHERWISE A GROUNDING ROD WILL BE REQUIRED AND THE MEMBER OR MEMBER'S ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL 5/8" X 8' COPPER-CLAD GROUND ROD AND GROUND CLAMP.

RESIDENTIAL ONLY

MEMBER INSTALLATION MINIMUM WIRE AND CONDUIT SIZE					
SERVICE RATING	CONDUIT SIZE	ALUMINUM PER NEC	COPPER PER NEC	NEUTRAL	GROUND WIRE SIZE
100A	1-1/2"	#2	#4	SAME AS PHASE	#6 CU
200A	2"	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		
OVERHEAD METER ON HOUSE SERVICE MAST ATTACHMENT SINGLE PHASE 240V SERVICE UP TO 320A		
DWG#: SPEC-0000002	DATE: 06.06.17	SCALE: NTS
DRAWN BY: JDC	REV:	REV. DATE: N/A