

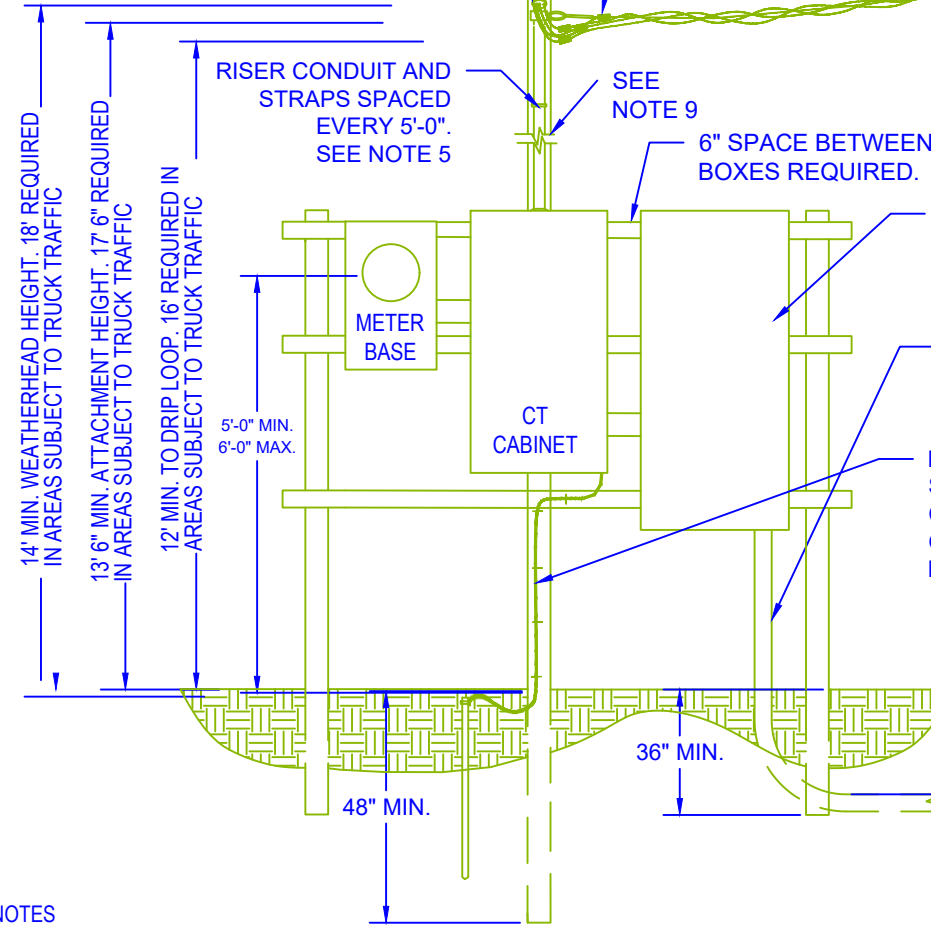
POLE AND SERVICE DROP ATTACHMENT
INSTALLED BY MEMBER/ELECTRICIAN
SEE NOTES 6 & 8

SERVICE DROP AND
CONNECTORS BY AVECC
SEE NOTE 7

TO AVECC
POLE, 40'-0" MAX.

**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



DISCONNECT AND CONTROL EQUIPMENT
MUST BE SERVICE ENTRANCE RATED
WITHIN 3' OF THE CT CABINET
SEE NOTE 9

MEMBER CONDUCTOR'S SHALL BE IN
CONDUIT FROM THE BOX TO 24"
BELOW GRADE

MEMBER INSTALLED GROUND WIRE
STAPLED TO POST, 5/8" X 8'-0" COPPER-
CLAD GROUND ROD INSTALLED FLUSH
OR SLIGHTLY BELOW GRADE, AND CLAMP
REQUIRED. SIZE PER NEC. SEE NOTE 10.

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 THE POLE, MOUNTING RACK, SERVICE ENTRANCE CONDUCTORS, CONDUITS, WEATHERHEAD, 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. MEMBER/ELECTRICIAN INSTALLS CT CABINET AND METER BASE.
2. COOPERATIVE PROVIDES AND INSTALLS THE METER, THE SERVICE DROP CONDUCTORS, AND TERMINATES AT THE WEATHERHEAD.
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. ALL MATERIALS, EQUIPMENT, AND CONDUIT SHALL BE RAIN-TIGHT. ANY RECEPTACLES MUST BE WEATHERPROOF AND GFCI PROTECTED.
5. ALL CONDUITS SHALL BE ELECTRICAL GRADE SCHEDULE 40 MINIMUM PVC, EMT, IMC, OR RIGID.
6. RISER CONDUIT SHALL BE AT LEAST 8' IN LENGTH WITH 2 CONDUIT STRAPS REQUIRED. STRAPS MUST BE PLACED WITHIN 12" OF THE TOP AND AT THE MIDPOINT OF THE CONDUIT.
7. A MINIMUM OF 24" OF CONDUCTOR SHALL EXTEND FROM WEATHERHEAD. NEUTRAL CONDUCTOR SHALL BE MARKED WITH WHITE TAPE AT BOTH ENDS.
8. MEMBER INSTALLED 1/2" GALVANIZED STEEL EYE BOLT WITH 2" X 2" SQUARE WASHER REQUIRED.
9. POLE FOR SERVICE DROP ATTACHMENT MUST BE MINIMUM 6" TREATED WOOD OR 6" SCHEDULE 40 WEATHERPROOF STEEL SET IN CONCRETE. POLE LENGTH SHALL BE MINIMUM 18' OR 22' DEPENDING ON WEATHERHEAD HEIGHT. VERTICAL POST MUST BE MINIMUM 4" ROUND OR 4" X 4" TREATED POSTS, OR 2" SCHEDULE 40 WEATHERPROOF STEEL SET IN CONCRETE. 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.
10. THE SERVICE ENTRANCE DISCONNECT MEANS SHALL BE INSTALLED AT A READILY ACCESSIBLE OUTDOOR LOCATION. IF MORE THAN ONE DISCONNECTING MEANS ARE PROVIDED THEY SHALL BE GROUPED PER NEC 230.85.
11. IF GROUND WIRE IS EXPOSED TO PHYSICAL DAMAGE THE WIRE SHALL BE PROTECTED IN CONDUIT PER NEC 250.64(B)(2).
12. ONLY THE COOPERATIVE'S CONDUCTORS AND MEMBER'S SERVICE ENTRANCE CONDUCTORS ALLOWED IN METER BASE. METER BASE CANNOT BE USED AS A PASS THROUGH FOR OTHER CONDUCTORS. REFER TO SPEC-0000004 FOR METER BASE CONDUCTOR CONNECTION DETAIL.
13. POWER SUPPLY AFTER THE MAIN DISCONNECT SHALL BE A 4 WIRE SYSTEM INCLUDING A GROUNDING WIRE AND NEUTRAL WIRE. THE SERVICE SHALL MEET ALL NEC REQUIREMENTS.



**ARKANSAS VALLEY ELECTRIC
COOPERATIVE COOPERATION**

TITLE		
OVERHEAD CT METER AND EQUIPMENT RACK (IRRIGATION SERVICE) 3 PHASE SERVICE & 480V SINGLE PHASE		
DWG#: SPEC-0000012	DATE: 06.08.17	SCALE: NTS
DRAWN BY: JDC	REV: 1	REV. DATE: 5.09.23