



**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.

NOTES

1. AVECC RECOMMENDS THAT A LICENSED ELECTRICIAN INSTALLS TRANSFER SWITCH AND GENERATOR PER NEC CODE AND LOCAL ORDINANCES.
2. MANUAL TRANSFER SWITCH SHALL BE CONSTRUCTED IN A MANNER THAT DOES NOT ALLOW UTILITY POWER AND GENERATOR POWER TO BE TIED TOGETHER AT ANY GIVEN TIME.
3. MULTIPLE CIRCUIT BREAKERS/FUSED DISCONNECTS CAN BE CONNECTED AFTER THE TRANSFER SWITCH, SO LONG AS THE SUM OF THE BREAKER INTERRUPTING CURRENT OF EACH BREAKER/FUSED DISCONNECT DOES NOT EXCEED THE MANUAL TRANSFER SWITCH CURRENT RATING.
4. REFER TO DRAWINGS SPEC-000001 THROUGH SPEC-0000017 FOR INCOMING SERVICE REQUIREMENTS, AVECC SUPPLIED EQUIPMENT & SERVICES, MEMBER REQUIRED EQUIPMENT & SERVICES, DITCH REQUIREMENTS, ETC.
5. WHERE PANELS AND EQUIPMENT ARE NOT MOUNTED ON BUILDING STRUCTURE, REFER TO DRAWINGS SPEC-0000011 & SPEC-0000012 FOR RACK MATERIAL AND INSTALLATION REQUIREMENTS. ALLOW ADEQUATE ROOM ON RACK FOR ALL EQUIPMENT/PANELS NECESSARY.
6. ALL EXTERIOR PANELS ARE TO BE RATED NO LESS THAN NEMA 3R.
7. PROTECTIVE BUSHINGS REQUIRED ON ALL CONDUITS.
8. NO WIRING GUTTERS OR TROUGHS WILL BE ALLOWED ON THE OUTSIDE OF THE BUILDING.
9. 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.
10. IF THE GROUND WIRE IS EXPOSED TO PHYSICAL DAMAGE THE WIRE SHALL BE PROTECTED BY CONDUIT PER NEC 250.64(B)(2).
11. ONLY THE COOPERATIVE'S CONDUCTORS AND MEMBERS 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.
12. 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
400A STANDBY GENERATOR,
PARTIAL SERVICE
MANUAL TRANSFER SWITCH

DWG#: SPEC-0000022	DATE: 12.08.2017	SCALE: NTS
DRAWN BY: JDC	REV: 1	REV. DATE: 5.09.23