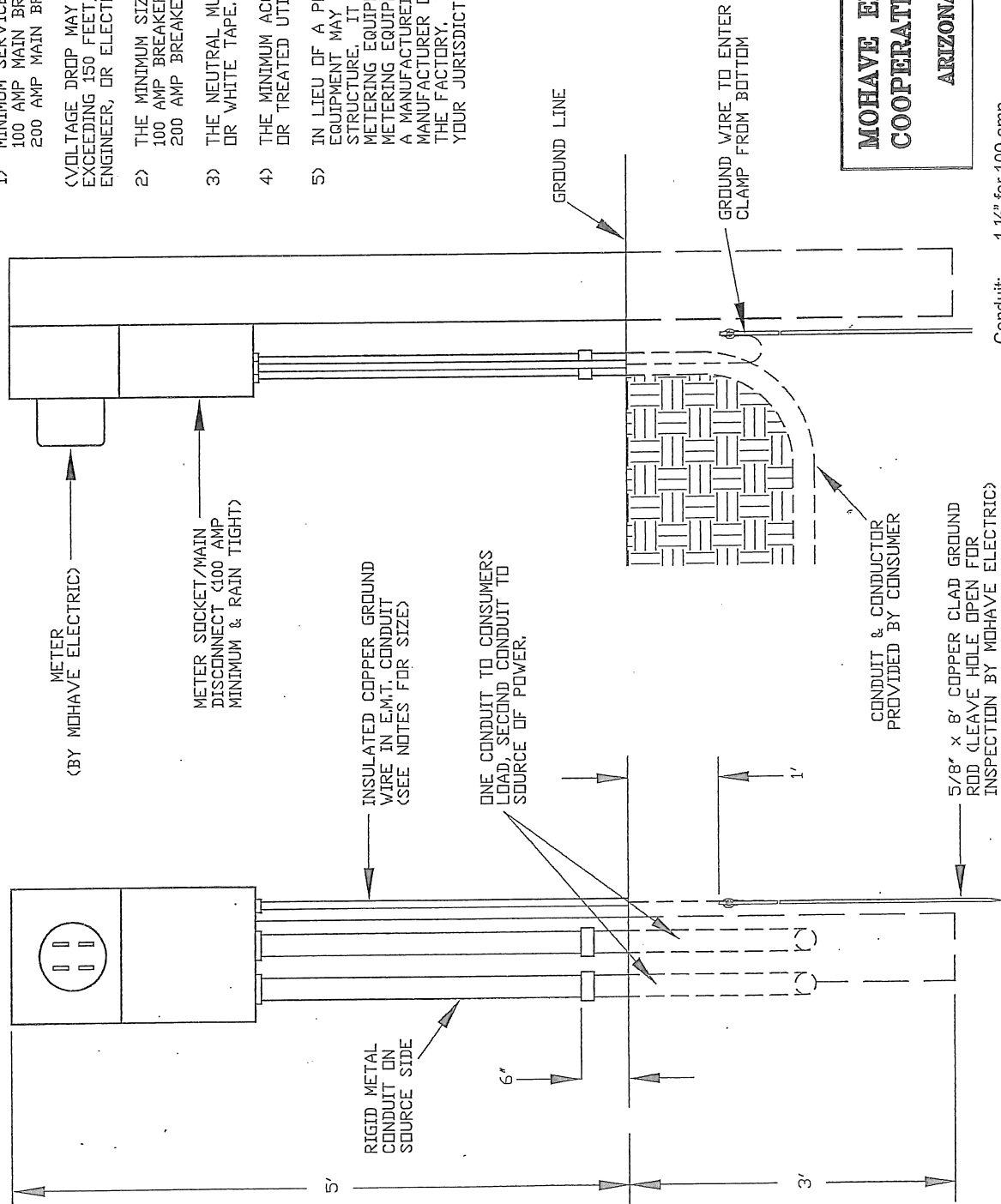


**NOTES:**

- 1) MINIMUM SERVICE WIRE SIZES ARE:  
 100 AMP MAIN BREAKER = ALUMINUM 1/0-1/0-#1  
 200 AMP MAIN BREAKER = ALUMINUM 4/0-4/0-3/0  
 (VOLTAGE DROP MAY BE A FACTOR FOR SERVICE LENGTHS EXCEEDING 150 FEET) CONTACT YOUR ARCHITECT, ENGINEER, OR ELECTRICIAN.
- 2) THE MINIMUM SIZE OF THE WIRE TO THE GROUND ROD IS:  
 100 AMP BREAKER = INSULATED #6 SOLID OR STRANDED COPPER  
 200 AMP BREAKER = INSULATED #4 SOLID OR STRANDED COPPER  
 OR WHITE TAPE.
- 3) THE NEUTRAL MUST BE DESIGNATED WITH WHITE PAINT OR WHITE TAPE.
- 4) THE MINIMUM ACCEPTABLE POLE IS A 4" X 4" X 8' REDWOOD OR TREATED UTILITY POLE.
- 5) IN LIEU OF A POLE MOUNTED INSTALLATION, THIS METERING EQUIPMENT MAY BE INSTALLED ON THE WALL OF A PERMANENT STRUCTURE. IT IS NOT PERMISSIBLE TO INSTALL THIS METERING EQUIPMENT ON THE WALL OF A MOBILE HOME. METERING EQUIPMENT IS ONLY PERMITTED ON THE WALL OF A MANUFACTURED HOME OR MOBILE HOME IF THE MANUFACTURER OF THE HOME INSTALLED THE EQUIPMENT AT THE FACTORY. IF YOU HAVE QUESTIONS CONTACT YOUR JURISDICTIONAL AUTHORITY.



**MOHAVE ELECTRIC  
 COOPERATIVE INC.**  
 ARIZONA 22

TYPICAL RESIDENTIAL  
 UNDERGROUND SERVICE  
 (200 AMPS MAXIMUM POLE  
 OR WALL MOUNTED)  
 REVISED 6-27-01  
 REVISED

Conduit: 1 1/2" for 100 amp  
 2" for 200 amp

Grounding: Provide two means of grounding, one of which must be a ground rod.  
 (Ex: 2 ground rods or 1 ground rod and a UFER).  
 A minimum of 6' apart.

GROUNDING: BHC Ordinance requires two means of grounding. MEC requires the primary grounding electrode to be an 8 foot long by 5/8" diameter driven rod due to their Federal requirements. All supplemental grounding systems are open to any type allowed by the NEC including a concrete encased electrode (UFERR)