



Notes:

1. The bonding conductor, commonly referred to as the 4th wire, is required for mobile homes.
2. If non-metallic conduit is used between the meter socket and main disconnect, a bonding conductor shall be installed.
3. A single ground electrode shall be supplemented by an additional electrode except when the single electrode has a resistance to earth of 25 ohms or less.
4. Drawing and recommendations are intended to serve as guidance for compliance with code and utility requirements. The NEC and/or Local Code Authorities may have additional requirements to those shown. The more stringent requirement will take precedence for differences between authorities.

* Conductor Sizes for 120/240 Volt, Single-Phase Dwelling

Service Rating (Amperes)	Typical Conduit Size (Inches)	Ungrounded Conductor Size (Minimum)		Typical Grounded (Neutral) Conductor Size		Grounding Electrode and Bonding Conductor Size
		Copper	Aluminum	Copper	Aluminum	
100	1.25	2 AWG	1/0 AWG	4 AWG	2 AWG	6 AWG
200	2.00	2/0 AWG	4/0 AWG	1/0 AWG	3/0 AWG	4 AWG

This table is only a guide for some minimum conductor requirements and is not intended to be a comprehensive list of acceptable conductor sizes. The NEC should be reviewed to ensure compliance with all applicable requirements, including but not limited to conductor size, material, and insulation type.



UNDERGROUND SERVICE TO METER POLE
FOR MOBILE HOME SERVICE EQUIPMENT

DRAWN CLJ	CHECK JLJ	DATE JAN. 2016	FILE NAME LOC. OH TO STRUCT.
DATE 08/18/16	REVISION CHANGED COMPANY LOGO	SCALE NOT TO SCALE	SHEET 1 OF 1
		ASSEMBLY	N/A