

Minimum Conductor Sizes for Standard Service Ratings  
(Based on NEC Tables 310.15(B)(7), 310.15(B)(16) & 250.66)

Copper, Aluminum or Copper-Clad Aluminum

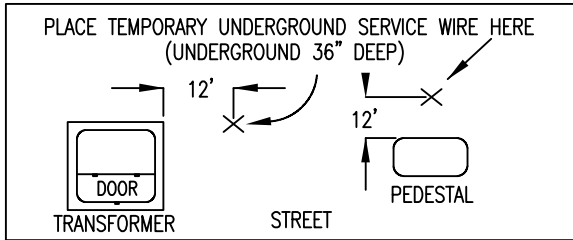
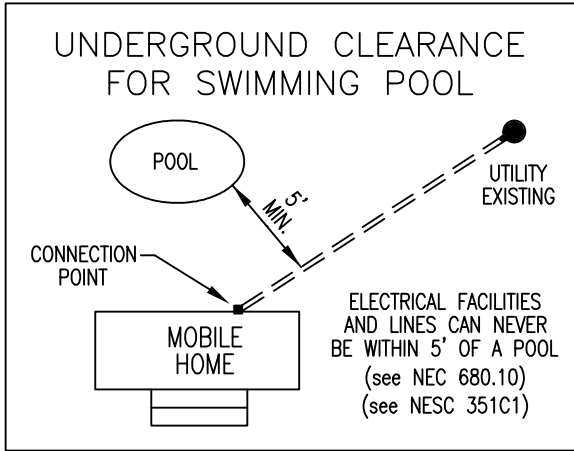
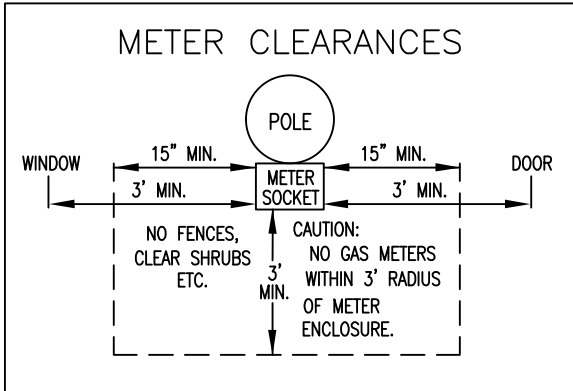
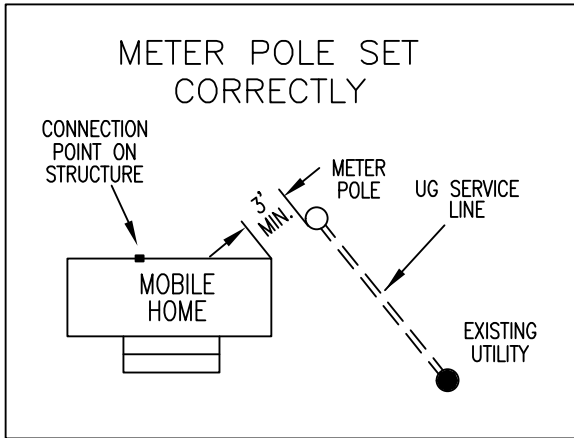
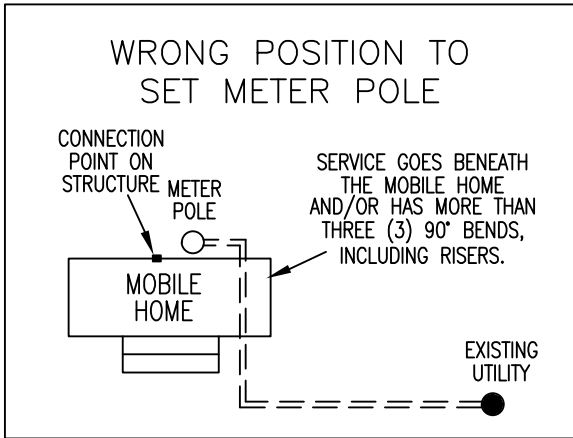
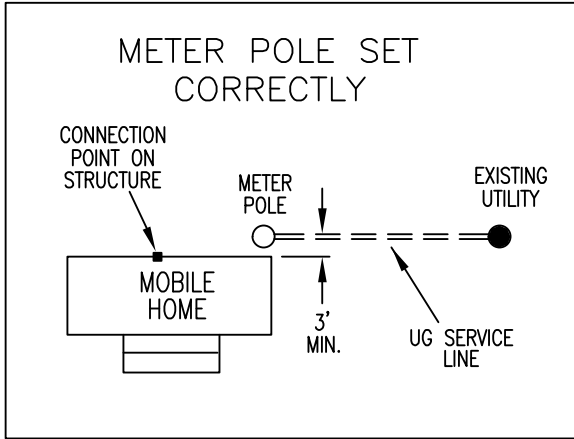
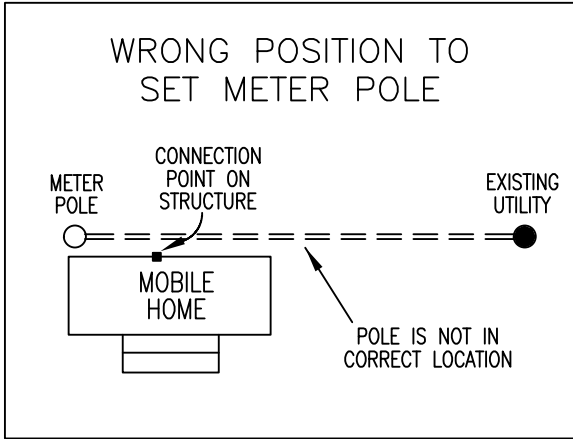
Service Rating (Amperes)	*Ungrounded Conductor (CU) Size	*Grounded (Neutral) Conductor (CU) Size	*Ungrounded Conductor (AL) Size	*Grounded (Neutral) Conductor (AL) Size	*Grounding Electrode & System Bonding Conductor (CU only) Size
100	4 AWG	6 AWG	2 AWG	4 AWG	6 AWG
200	2/0 AWG	1/0 AWG	4/0 AWG	2/0 AWG	4 AWG
320	350 kcmil	4/0 AWG	500 kcmil	350 AWG	1/0 AWG

\*Conductor sizes listed are the smaller sizes deemed to be acceptable per NEC Table 310.15(B)(7) for 120/240 Volt, 3-Wire, Single-Phase Dwellings. Other applications refer to NEC Table 310.15(B)(7).

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.

The Grounding Electrode Conductor and the System Bonding Conductor shall be Copper.

- Notes:
1. Conduit straps shall be installed per the NEC at no more than 12" from the weatherhead and meter socket, and at intervals not exceeding 30".
  2. If non-metallic conduit is used between the meter socket and main disconnect panel, a bonding conductor shall be installed per the NEC.
  3. A grounding electrode system as defined by the NEC must be used. A single ground rod may be allowable if a resistance to earth of 25 ohms or less can be achieved.
  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. The utility maintains the right of final approval for all installations.



LOCAL CODE AUTHORITIES MAY HAVE REQUIREMENTS IN ADDITION TO THOSE SHOWN.

NOTE: 15 FOOT BOUNDARY LINE TO NEAREST POWER LINE CONDUCTOR. THE ONLY LINES THAT MAY ENTER THIS ZONE IS THE SERVICE CABLE TO THE METER POLE.

NO ELECTRIC WIRES ARE PERMITTED TO CROSS OVER MOBILE HOME.

MOBILE HOMES ARE NOT PERMITTED TO BE INSTALLED UNDER ELECTRIC LINES.

## METER POLE LOCATION FOR UNDERGROUND SERVICE

DIXIE ELECTRIC POWER ASSOCIATION  
LAUREL, MISSISSIPPI

file:  
MS30MPUGLOC

date:  
MAY 2013

Not to Scale