

**SHELBYVILLE POWER SYSTEM REQUIREMENTS
FOR MOBILE HOME SERVICE POLE**

REVISED 12/2010

Complete installation, including wiring and conduit sizes, must be in compliance with the provisions of this sketch or the National Electrical Code, whichever is more stringent. All wiring must be approved by the State wiring inspector.

Metallic rigid, IMC, or EMT conduit from disconnect on pole up to Weatherhead. Schedule 80 PVC allowed by State Electric Code.

Minimum wire Length 30" from weatherhead

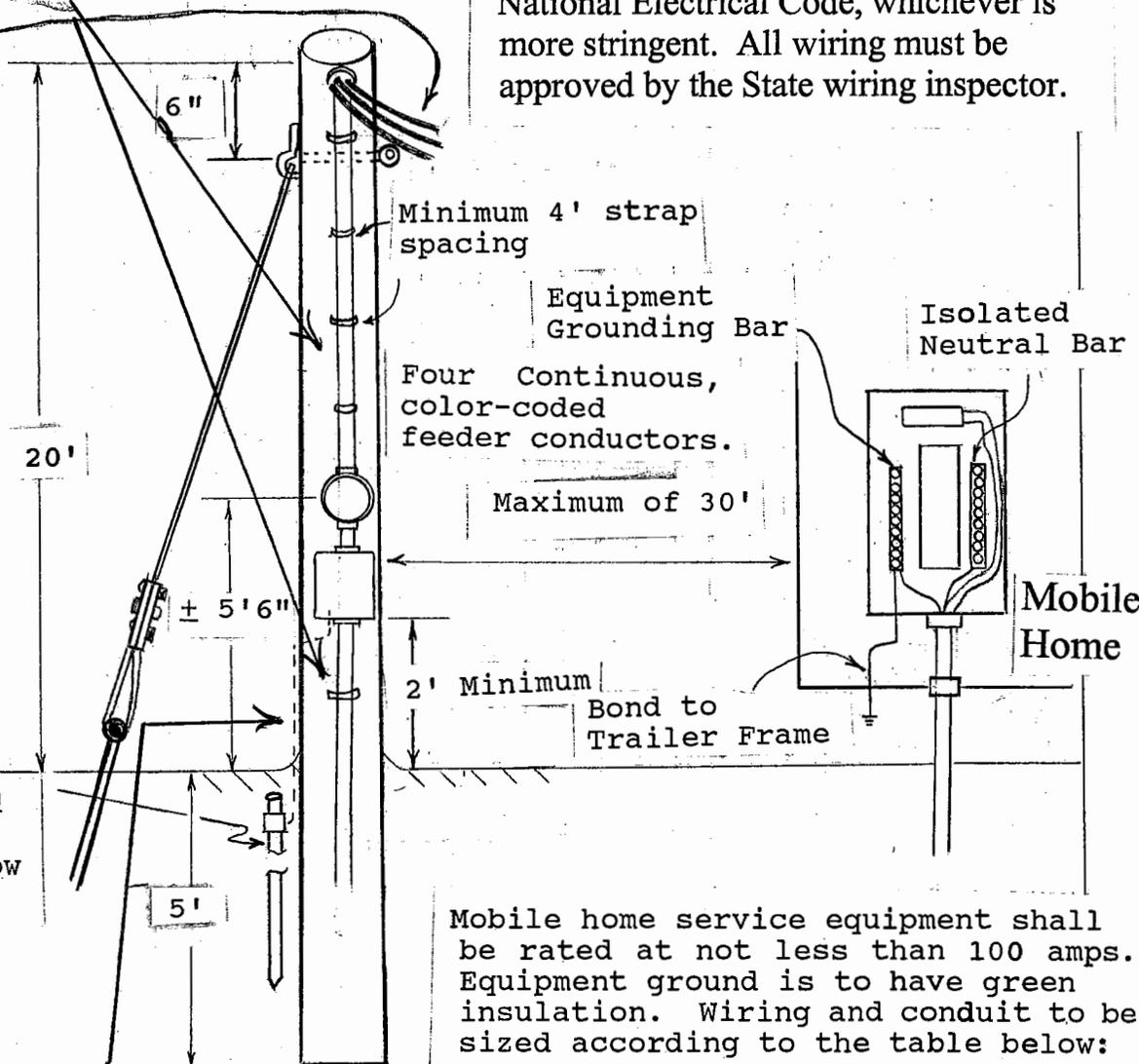
Service Leads must be Copper from top of meter base to point of attachment.

Minimum 1/4" Galvanized Guy Wire

Bare #4 Cu ground (stapled)-Run to meter base

5/8" X 8' galvanized ground rod with approved clamp (below ground level)

5' Mechanical (Expandable) Anchor at 4' Depth



Minimum 4' strap spacing

Equipment Grounding Bar

Four Continuous, color-coded feeder conductors.

Maximum of 30'

2' Minimum Bond to Trailer Frame

Isolated Neutral Bar

Mobile Home

Mobile home service equipment shall be rated at not less than 100 amps. Equipment ground is to have green insulation. Wiring and conduit to be sized according to the table below:

Grounding Bridge—see Article 250.94 2006 NEC.

TYPES: RH-RHH-RHW-THHW-THW-THWN-THHN-XHHW-USE (as appropriate)

Switch Box Size	Conduit Size	Conductor Min. Size		Minimum Neutral		Eqp. Grounding Conductor	
100 amp	1 1/4"	#2 Cu	#2 Al	#4 Cu	#4 Al	#8 Cu	#6 Al
200 amp	2"	2/0 Cu	4/0 Al	#1 Cu	2/0 Al	#6 Cu	#4 Al

Min. Depth

Direct Burial
Schedule 40 P.V.C.
rigid

24"
18"
6"

All services must be spotted by S.P.S. before construction begins.