



**SERVICE ENTRANCE
MANUFACTURED (MOBILE) HOME**
Single Phase, 100, 200, or 320 Amp

01-01-99
ER 19-238
PAGE 1 OF 3

USE: Arrangement of service equipment to supply electric energy to manufactured (mobile) homes, outside of mobile home parks.

PREVIOUS REVISION	ORIGINATED 01-99	PREVIOUS NUMBER
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LATEST REVISION: New

- REFERENCE:**
- Indiana Electrical Code / National Electrical Code (IEC/NEC), latest revision
 - Code of Federal Regulations, part 3280: Manufactured Home Construction and Safety Standards (HUD Code), latest revision

SPECIFICATION:

1. GENERAL

- 1.1 Service entrance installations for manufactured homes, shall meet all requirements referenced above, where applicable.
- 1.2 Service entrance installations are subject to approval by any local, code enforcing official, where they exist. Where they exist, no service entrances will be energized without such approval.
- 1.3 Service entrance placement can be either 1) a free standing structure / free standing pedestal, intended for service equipment, or 2) on the home when all applicable HUD regulations are met.
- 1.4 Service equipment shall be mounted plumb and securely, and installed in compliance with the following NIPSCO Standards; ER 5-500 (Entrance Equipment), ER 5-550 (Entrance Run), and ER 7-500 (Grounding).
- 1.5 Service entrances may be installed for overhead or underground service.
- 1.6 Meter sockets, disconnects, conduit, and other associated service equipment hardware shall be supplied by, and installed by the customer. See ER 19-240 for overhead meter sockets, or ER 19-270 for underground meter sockets, which are approved for purchase by customer.
- 1.7 If the disconnect inside the home (factory installed), is not rated for use as service equipment, and is therefore fed by a (4) four wire feeder, a service rated disconnecting means shall be installed outside of the home after the meter socket. The neutral shall be bonded to the disconnect enclosure only in this outdoor disconnect, and isolated (separated) in the indoor (factory installed) disconnect. (see Figure1 for clarification)

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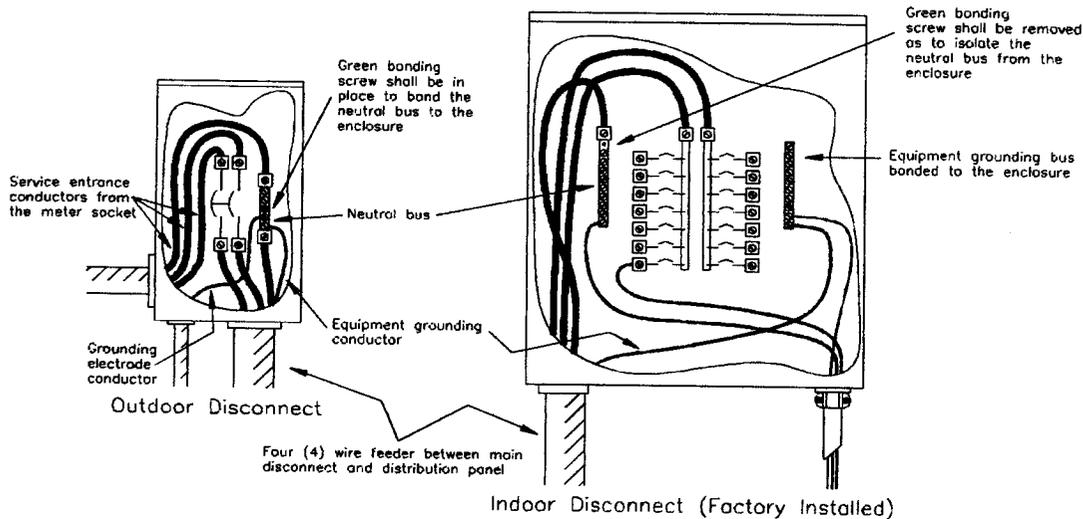
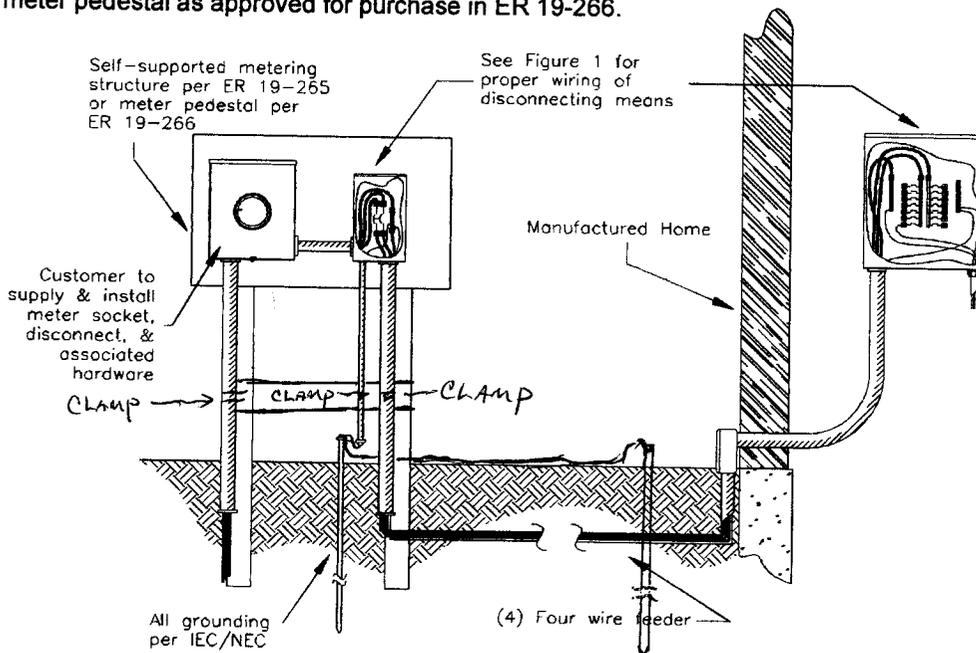


Figure 1 - Wiring of disconnects

2. OPTION #1 - SERVICE ENTRANCE ON REMOTE STRUCTURE

Service Entrance Equipment may be installed on a remote, free standing structure, no more than 30 feet from an exterior wall of the home. The structure shall be of the type approved in ER 19-265 or a meter pedestal as approved for purchase in ER 19-266.



**Figure 2 - Typical underground service entrance on remote structure
 (service entrances may be overhead or underground)**



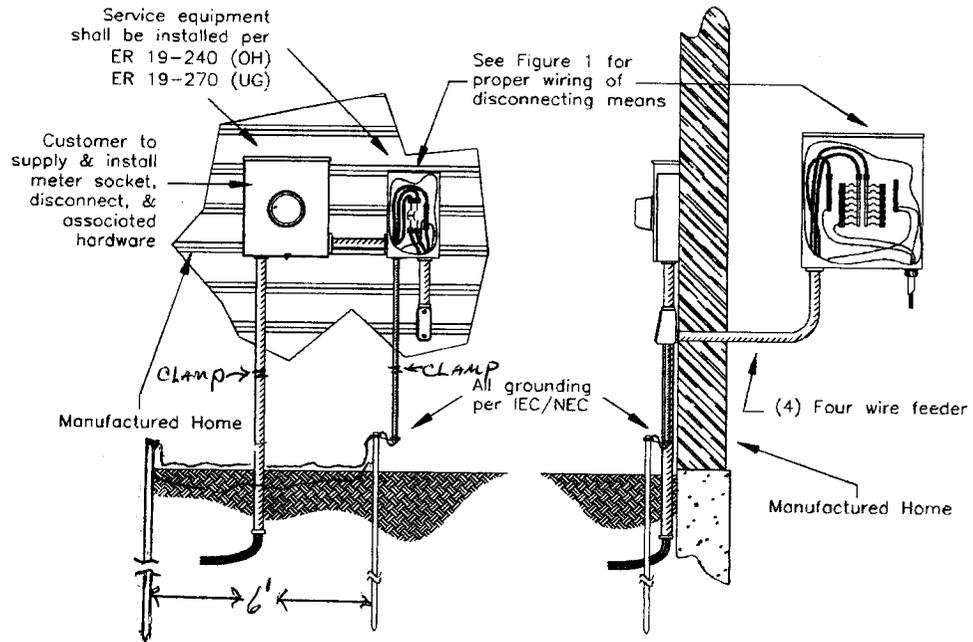
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01-01-99
ER 19-238
PAGE 3 OF 3

3. OPTION #2 - SERVICE ENTRANCE ON HOME

Service entrances installed on manufactured homes shall comply with IEC/NEC code, and NIPSCO Standards ER 19-240 (Service Entrance - OH) or ER 19-270 (Service Entrance - UG).



**Figure 3 - Typical underground service entrance on manufactured home
(service entrances may be overhead or underground)**