

# SERVICE ENTRANCE MANUFACTURED (MOBILE) HOME

## Single-Phase, 100, 200, or 320/400 Amp

**ER 19-238-B**

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**Published:** 11-01-23

**Reaffirmed:** 11-01-23

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

<b>STANDARD ORIGINATED</b> 01-99	<b>PREVIOUS STANDARD REVISION</b> 01-01-11	<b>PREVIOUS STANDARD NUMBERS</b> -
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**REVISION SUMMARY:** Convert to current format. Update references.

**REFERENCE(S):** (All references are latest revision; unless noted)

**National Standard(s)**

- a. Code of Federal Regulations (CFR), Title 24, Subtitle B, Chapter XX, Part 3280: Manufactured Home Construction and Safety Standards
- b. Indiana Electrical Code / National Electrical Code® (IEC/NEC®)

**NIPSCO Standard(s)**

- c. Electric Rules Standard ER 5-500: Entrance Equipment
- d. Electric Rules Standard ER 5-550: Entrance Run
- e. Electric Rules Standard ER 7-500: Grounding
- f. Electric Rules Standard ER 19-240: Service Entrance - Overhead, Single & Three Phase, 100, 200, & 320/400 Amp
- g. Electric Rules Standard ER 19-266: Service Entrance - Underground, 100 or 200 Amps, Single Phase, 3 Wire, 120/240 Volt Self Supported - Meter Pedestal
- h. Electric Rules Standard ER 19-270: Service Entrance - Underground, Single & Three Phase, 200, & 320/400 Amp
- i. Electric Rules Standard ER 19-900: Standards of Work

**SPECIFICATIONS:**

**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 existing. No service entrances will be energized without such approval.
- 1.3. Where no local code enforcing official exists, NIPSCO personnel shall inspect service equipment for safety and proper grounding, including any disconnecting means. (The requirements of **Section 1.8** and **Figure 1** shall be included in this inspection.)
- 1.4. Service entrance placement can be on either a free-standing structure/pedestal intended for service equipment, or on the manufactured (mobile) home when all applicable CFR regulations are met.
- 1.5. Service equipment shall be mounted plumb and securely, installed in compliance with NIPSCO ER 5-500, ER 5-550, and ER 7-500.
- 1.6. Service entrances may be installed for either overhead or underground service.
- 1.7. Meter sockets, disconnects, conduit, and other associated service equipment hardware shall be supplied and installed by the customer. See NIPSCO ER 19-240, ER 19-266, or ER 19-270 for material approved for purchase by customer.

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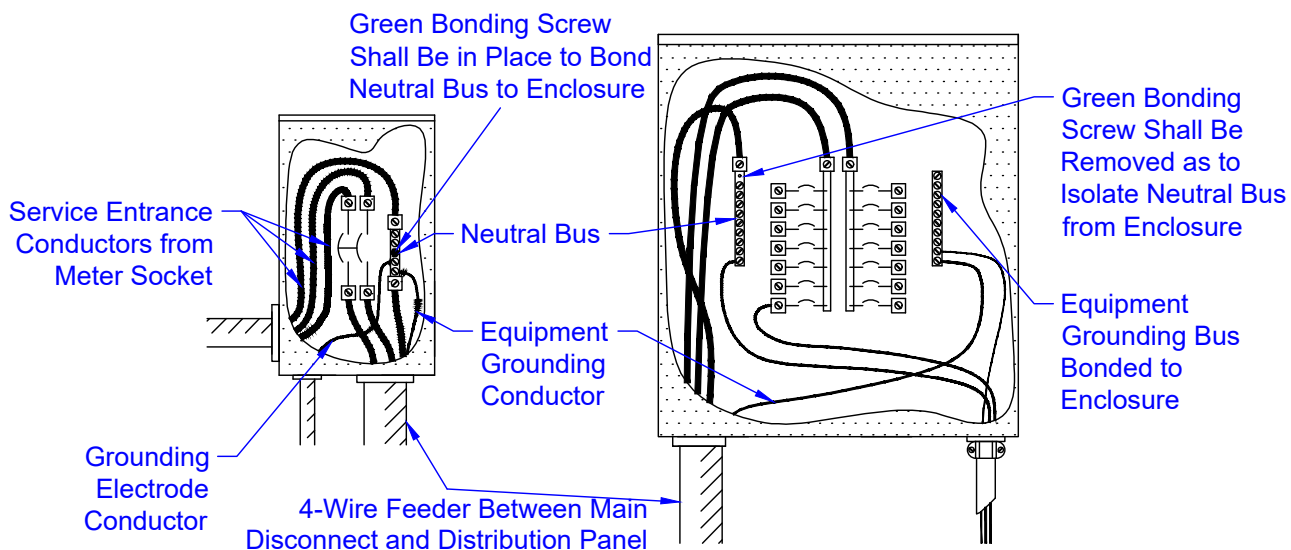
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- 1.8. If the disconnect inside the manufactured home (factory-installed) is not rated for use as service equipment and is fed by a 4-wire feeder, a service-rated disconnecting means shall be installed outside the manufactured home and after the meter socket. Neutral wire shall be bonded to disconnect enclosure only in outdoor disconnect and isolated (separated) in indoor (factory-installed) disconnect. (See **Figure 1-1** and **Figure 1-2**.)

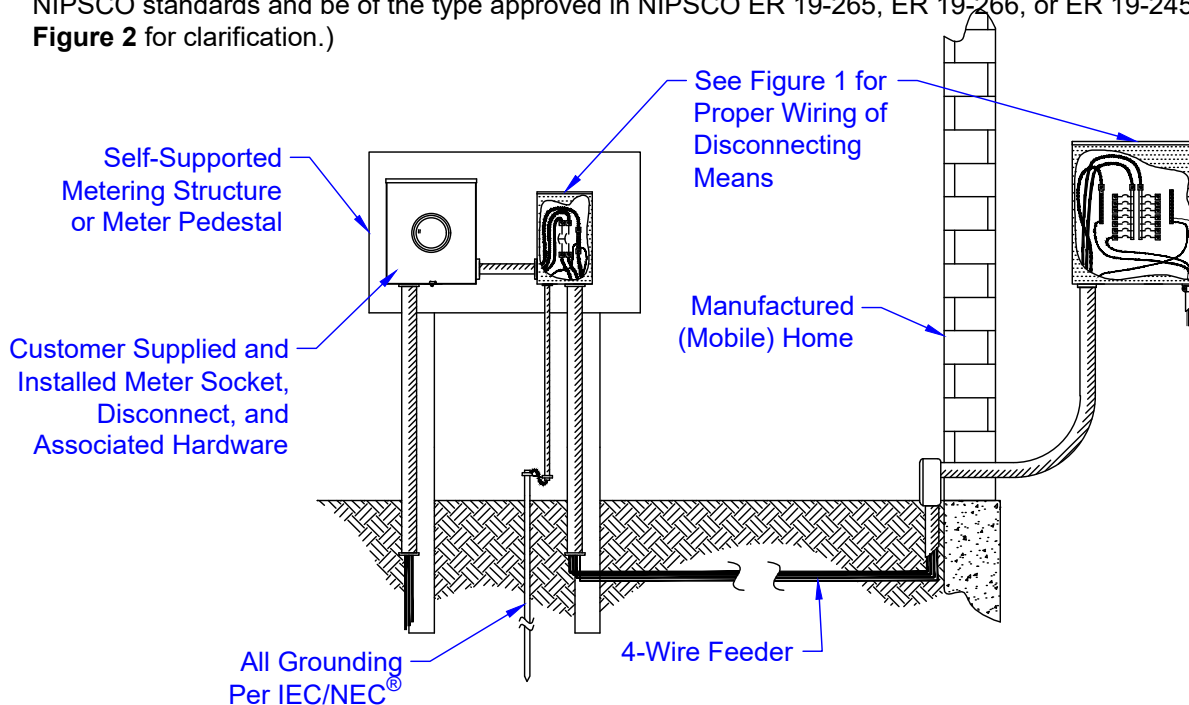


**Figure 1-1**  
Outdoor Disconnect

**Figure 1-2**  
Indoor Disconnect (Factory Installed)

## 2. 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 and service entrance shall comply with IEC/NEC® code and NIPSCO standards and be of the type approved in NIPSCO ER 19-265, ER 19-266, or ER 19-245. (See **Figure 2** for clarification.)



**Figure 2**

Typical Underground Service Entrance on Remote Structure (Service Entrances May Be Overhead or Underground)

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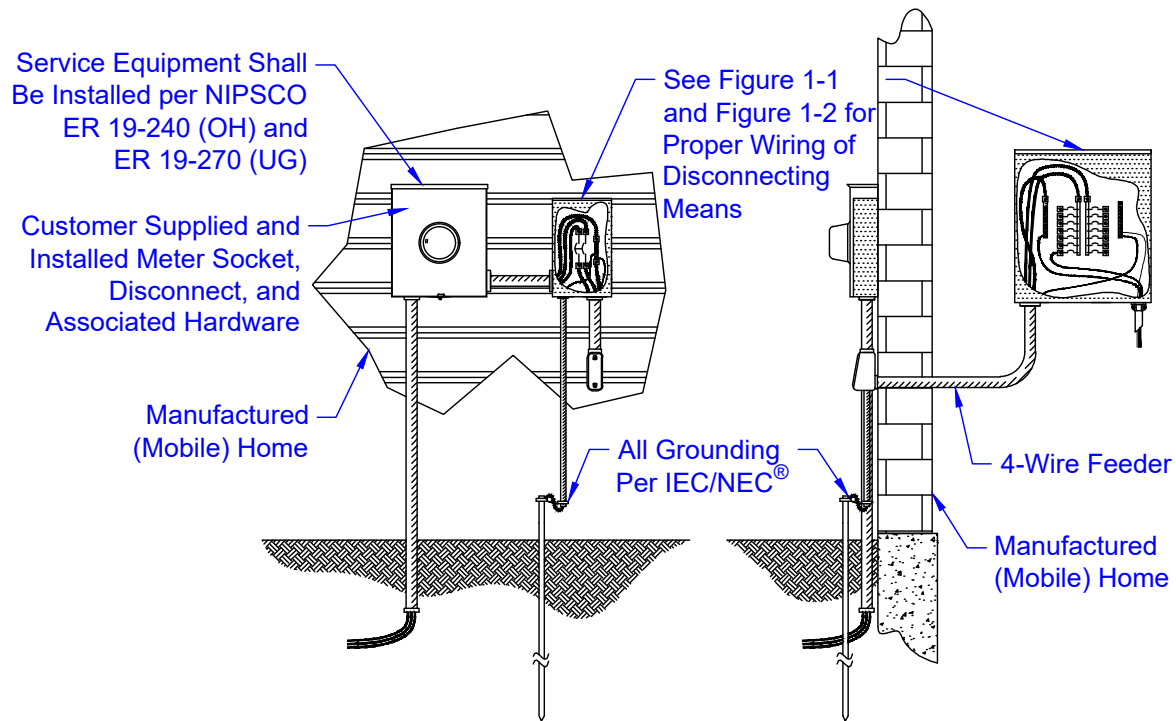
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## 3. SERVICE ENTRANCE ON HOME:

Service entrance equipment installed on manufactured homes shall comply with IEC/NEC® code and NIPSCO ER 19-240 and ER 19-270. (See **Figure 3** for clarification.)



**Figure 3**

Typical Underground Service Entrance on Manufactured Home (Service Entrances May Be Overhead or Underground)