

**540.21 Marking.** Projectors and other equipment shall be marked with the manufacturer's name or trademark and with the voltage and current for which they are designed in accordance with 110.21.

### Part III. Nonprofessional Projectors

**540.31 Motion Picture Projection Room Not Required.** Projectors of the nonprofessional or miniature type, where employing cellulose acetate (safety) film, shall be permitted to be operated without a projection room.

**540.32 Listing Requirements.** Projection equipment shall be listed.

#### ARTICLE

## 545

### Manufactured Buildings and Relocatable Structures

#### Part I. General

**545.1 Scope.** This article covers requirements for manufactured buildings, building components, relocatable structures, and the conductors that connect relocatable structures to a supply of electricity.

The term *building, manufactured (manufactured building)* is defined in Article 100. The distinction between manufactured buildings covered in Article 545 and manufactured homes covered Article 550 and defined in Article 100 is important. The most distinguishing feature between the two types of structures is how they are placed on the building site. Manufactured homes are built on a chassis and installed on site with or without a permanent foundation. Manufactured buildings are generally constructed within a factory or assembly plant and then transported to the building site. They are not built on a chassis and are designed to be installed on a permanent foundation. Mobile homes that are used as other than dwelling units have been incorporated into Article 545.

In addition, the organizations responsible for construction standards for these units differ. In the case of manufactured homes, the U.S. Department of Housing and Urban Development, 24 CFR 3280, "Manufactured Home Construction and Safety Standards," contains construction requirements for manufactured homes. Manufactured homes bear a nameplate documenting that the unit was constructed in accordance with the federal standard in force at the time of manufacture. In accordance with federal law, this nameplate is an identifying mark that is universally recognized throughout the United States.

Manufactured building construction standards generally are promulgated through state or local units of government. Manufactured building construction can be affected by differences in building construction regulations among the jurisdictions where the buildings will be delivered. The building typically will have an

information sheet (often inside the cabinet below the kitchen sink or on a closet wall) indicating the applicable building, electrical, plumbing, and mechanical codes to which the building was constructed.

#### 545.4 Wiring Methods.

**(A) Methods Permitted.** All raceway and cable wiring methods included in this *Code* and other wiring systems specifically intended and listed for use in manufactured buildings shall be permitted with listed fittings and with fittings listed and identified for manufactured buildings.

**(B) Securing Cables.** In closed construction, cables shall be permitted to be secured only at cabinets, boxes, or fittings where 10 AWG or smaller conductors are used and protection against physical damage is provided.

**545.5 Supply Conductors.** Provisions shall be made to route the service-entrance conductors, underground service conductors, service-lateral, feeder, or branch-circuit supply to the service or building disconnecting means conductors.

**545.6 Installation of Service-Entrance Conductors.** Service-entrance conductors shall be installed after erection at the building site.

*Exception: The service-entrance conductors shall be permitted to be installed prior to the erection at the building site where the point of attachment is known prior to manufacture.*

**545.7 Service Equipment.** Service equipment shall be installed in accordance with 230.70.

**545.8 Protection of Conductors and Equipment.** Protection shall be provided for exposed conductors and equipment during processes of manufacturing, packaging, in transit, and erection at the building site.

#### 545.9 Boxes.

**(A) Other Dimensions.** Boxes of dimensions other than those required in Table 314.16(A) shall be permitted to be installed where tested, identified, and listed to applicable standards.

**(B) Not Over 1650 cm<sup>3</sup> (100 in.<sup>3</sup>).** Any box not over 1650 cm<sup>3</sup> (100 in.<sup>3</sup>) in size, intended for mounting in closed construction, shall be affixed with anchors or clamps so as to provide a rigid and secure installation.

**545.10 Receptacle or Switch with Integral Enclosure.** A receptacle or switch with integral enclosure and mounting means, where tested, identified, and listed to applicable standards, shall be permitted to be installed.

#### See also

**300.15(E)** and its commentary for more information about wiring devices with integral enclosures