

BOXES, CONDUIT BODIES, AND HANDHOLE ENCLOSURES

Introduction to Article 314—Boxes, Conduit Bodies, and Handhole Enclosures

This article contains the installation requirements for outlet and device boxes, pull and junction boxes, conduit bodies, and handhole enclosures. Some topics covered in this material include:

- ▶ Round, nonmetallic, and metal boxes
- ▶ Screws and fasteners
- ▶ Number of conductors in a box or conduit body
- ▶ Conductor and cables entering boxes
- ▶ Boxes enclosing devices or equipment
- ▶ Surface- and flush-mounted installations
- ▶ Repairing noncombustible surfaces around boxes
- ▶ Depth and dimensions of boxes
- ▶ Covers and canopies
- ▶ Outlet box, pull box, junction box, and conduit body rules
- ▶ Accessibility

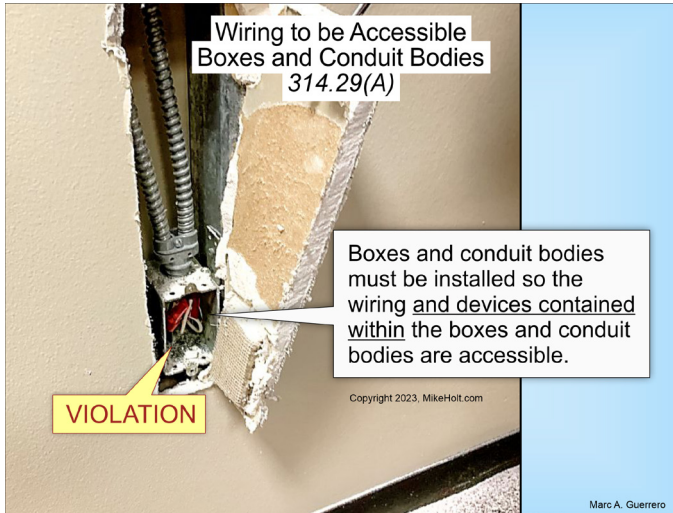
Article 314 consists of four parts:

- ▶ Part I. General
- ▶ Part II. Installation
- ▶ Part III. Use on Systems over 1000 Volts, Nominal (not covered in this material)
- ▶ Part IV. Construction Specifications

314.29 Wiring to be Accessible

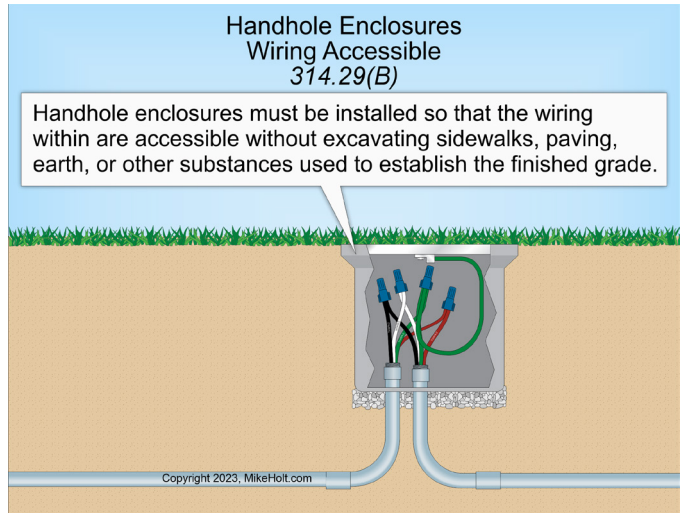
Boxes, conduit bodies, and handhole enclosures must be installed so that wiring and devices contained within them can be rendered accessible in accordance with 314.29(A) and (B).

(A) In Buildings. Boxes and conduit bodies must be installed so the wiring and devices contained within the boxes and conduit bodies are accessible. ▶Figure 314-65



▶Figure 314-65

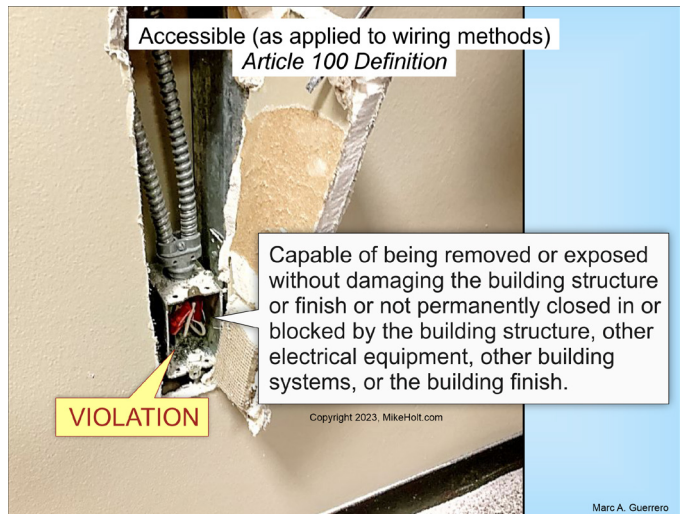
According to Article 100, “Accessible (as applied to wiring methods)” means capable of being removed or exposed without damaging the building structure or finish or not permanently closed in or blocked by the building structure, other electrical equipment, other building systems (piping, ducts, drains, or other mechanical systems), or the building finish. ▶Figure 314-66



▶Figure 314-66

(B) Handhold Enclosures. Handhole enclosures must be installed so that the wiring within is accessible without excavating sidewalks, paving, earth, or other substances used to establish the finished grade.

▶Figure 314-67



▶Figure 314-67