



DESIGN REQUIREMENTS

ELECTRICAL CABINETS AND ENCLOSURES

GENERAL INFORMATION

- 1.1 This section applies to cabinets and enclosures.

DESIGN REQUIREMENTS

- 2.1 Construction: Galvanized sheet steel, 16-gauge minimum, with continuous welded seams. Arrange door to close against a rabbet placed all around the inside edge of the frame, with a uniformly close fit between door and frame. Provide concealed fasteners, not over 24-inches apart, to hold fronts to cabinet boxes and provide for adjustment. Provide flush or concealed door hinges not over 24-inches apart and not over 6-inches from top and bottom of door.
- 2.2 Doors: Hinged directly to cabinet and removable, with approximately 3/4-inch flange around all edges, shaped to cover edge of box. Provide handle operated, key locking latch. Individual door width shall be no greater than 24-inches. Provide multiple doors where required.

CONSTRUCTION REQUIREMENTS

- 3.1 Where located in hazardous (classified) locations, enclosures shall conform to UL and shall be listed and labeled for the classification of hazard involved. Cast brass or cast iron enclosures are also acceptable.
- 3.2 All cabinets and enclosures will be installed to be easily accessed for inspection, maintenance and operation. Cabinets and enclosures shall not be installed in areas where water accumulates or where the enclosure is hidden with permanent features
- 3.3 Cabinets mounted on masonry walls shall be provided with spacers to provide 1/4" rear clearance.
- 3.4 Cabinets mounted on or in gypsum board walls shall be supported from floor via channels or framing system.



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REFERENCE

- 4.1 The applicable CSI Specification Section is 262716.