

Large electrical distribution box obstructing passageway



AI Overview

A large distribution box blocking a passageway should be relocated or repositioned to maintain safe access and comply with electrical codes.

Safety and Accessibility Considerations

Distribution boxes are central to electrical systems, housing circuit breakers, fuses, busbars, and other protective devices that require easy access for operation, inspection, and maintenance . Obstructing a passageway can create safety hazards, including restricted emergency egress, difficulty in servicing the box, and increased risk of accidental contact with live components .

Recommended Actions

- **Relocate or Reposition the Box:** If possible, move the distribution box to a location that does not block walkways. Ensure the new location is dry, well-ventilated, and away from flammable materials .
- **Maintain Clearance:** Electrical codes typically require a minimum clearance in front of distribution boxes—often 3 feet (about 1 meter) for residential and commercial installations—to allow safe operation and maintenance . Check local regulations for exact requirements.
- **Consider a Smaller or Modular Box:** If space is limited, a compact or modular distribution box may reduce obstruction while still accommodating all circuits . Smart DB boxes with pluggable components can also optimize space usage .

Article Content

Distribution Box and Selection Guide: Internal Structure, Components ...

Learn how to choose a distribution box and understand its internal structure, including MCBs, busbars, neutral bars,

Obstacles

Obstacles may be temporary or permanent and typically encroach into walkways. The best solutions are designs that keep items off

Electrical Panel Safety

A C C E S S I B I L I T Y OSHA requires sufficient access and working spaces around all electrical equipment, or panels, serving 600

Electrical Panel Locations

Learn more about Electrical Panel Locations- A Guide for Placement - MEP Engineering - Master Electrician Services

110.26 (C) (2) Large Equipment.

For large equipment that contains overcurrent devices, switching devices, or control devices, there shall be one entrance to and

2-9-* Working space around electrical equipment

Installing the washer/dryer stack in the position shown violates OESC Rule 2-314 which requires the passageways and the working

What is the minimum clearance required around electrical panels ...

Insufficient clearance around electrical panels is a serious workplace hazard. Blocked or obstructed access to panelboards can

110.26 (C) (2) Large Equipment.

Code Change Summary: Code language was revised regarding the entry to and egress from the working space of large electrical

OSHA Electrical Panels Clearance Requirements

A national set of standards ensures that trained personnel are able to respond quickly in case of electrical emergency

2-9-* Working space around electrical equipment

OBC requires a minimum width of 750 mm with no obstruction for egress means (OBC Articles 3.3.1.22 and 9.9.5.5.). Also, Rule 2

Electrical Safety: Keeping Electrical Panels Clear

Maintaining clear access to electrical panels is crucial for ensuring workplace safety and compliance with OSHA and

Electrical Panel Clearance | Safety Energy Technologies Area

Insufficient clearance around electrical panels is one of the many electrical hazards that can endanger worker safety.

5 Common Electrical Panel Code Violations and How to Fix Them

Learn about common electrical panel code violations in residential remodels and how to fix them to ensure your home's safety and

eCFR :: 29 CFR Part 1910 Subpart S -

Included in this category are all electric equipment and installations used to provide electric power and light for employee workplaces.

Working Clearances, based on the 2020 NEC

If one occurs, you may need to secure equipment covers and clear the passageway of ladders, tools, and other items that impede

1926.403

Metal-enclosed switchgear, unit substations, transformers, pull boxes, connection boxes, and other similar associated equipment

§2340.16. Work Space About Electric Equipment.

When normally enclosed live parts are exposed for inspection or servicing, the working space, if in a passageway or general open

How to Prevent Obstructions in Emergency Egress Areas

Improper Storage Practices: Storing supplies, boxes, or tools in corridors or near exit doors. Poor Housekeeping:

Electrical Panel Clearance Requirements: A Simple Guide

Understand the NEC electrical panel clearance requirements, including the 3-foot rule, to prevent fires and ensure

1910.303

Switchboards, panelboards, and distribution boards installed for the control of light and power circuits, and motor control centers shall

Working Clearances for Electrical Panelboards & Equipment

Working Clearances for Electrical Panelboards & Equipment: Enough space should be provided to work on electrical equipment.

OSHA Aisle Requirements

The Occupational Safety and Health Association has requirements for safe workplaces to protect employees. Aisles

OSHA Electrical Panel Clearance Requirements: Guide

Action: They implemented best practices for electrical panel installation and maintenance, which included strict adherence to OSHA

2026 NEC 110.26 Working Space | Electrical Clearance Reference

NEC 110.26 working space reference for electrical equipment clearance, access, egress, dedicated space, storage limits, and field

What are the common problems of distribution boxes?

In summary, the distribution box may encounter a variety of problems during operation, which not only affect the

Are There Restrictions On Where To Mount A Residential Circuit ...

The National Fire Protection Association publishes the National Electric Code, or NEC, which is adopted by nearly

Safety Clearance Recommendations for Electrical Panel

Clearance Tables includes working space and clearance around indoor electrical panel, Circuit Board (NEC 312.2),

Electrical Room Basics Part 3

This is in part due to electrical installations using exposed terminations or the use of larger substations and switches,

Large electrical distribution boxes obstructing access

This risk assessment document summarizes the hazards, existing controls, additional controls needed, and residual risk levels

§2340.16. Work Space About Electric Equipment.

§2340.16. Work Space About Electric Equipment. (a) Space about electric equipment. Sufficient access and working space shall be

Electrical Panel Clearances | Requirements Explained!

The 2021 International Residential Code (IRC) requires electrical panels to have a clear working space to ensure safe operation and

Working Clearances, based on the 2020 NEC

When working on electrical equipment in a passageway, be mindful of the potential for a fire alarm. If one occurs, you may need to

Contact Us

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