

Height of Elevator Lobby Distribution Box



Overview

Elevators serving floor levels over 75 feet (22 860 mm) above the lowest level of fire department vehicle access in high-rise buildings.

Key Takeaways

The recommended height for an elevator lobby distribution box is typically 4.5 to 5.5 feet (1.4 to 1.7 meters) above the finished floor.

Recommended Installation Height

For wall-mounted distribution boxes in elevator lobbies, the ideal height is between 4.5 and 5.5 feet (1.4 to 1.7 meters) from the finished floor. This range ensures that the box is easily accessible for operation and maintenance without excessive bending or stretching, while also keeping it safe from accidental impacts or water spills . For outdoor or ground-level boxes, a minimum height of 3 feet (0.9 meters) above the ground is recommended to prevent water damage, and ground-mounted boxes should be raised 2 to 4 inches to avoid moisture issues .

Accessibility Considerations



Elevator lobbies often follow ADA standards for controls and indicators. For example, hall call buttons are mounted 42 inches (1.065 meters) above the floor, and hall lanterns are mounted 72 inches (1.83 meters) above the floor. Placing the distribution box within the 4.5–5.5 feet range aligns with these accessibility guidelines, ensuring that maintenance personnel and authorized users can reach the box comfortably while maintaining compliance with safety and accessibility standards.

Additional Installation Tips

- Avoid wet areas: Keep the box away from sinks, drains, or areas prone to water exposure.
- Ensure visibility: Mount the box where labels and indicators can be easily read.
- Allow maintenance access: Ensure sufficient clearance around the box for opening doors and accessing internal components.
- Follow electrical codes: Installation should comply with local standards such as BS 7671 or IEC 60364-5-52, and a licensed electrician should perform the installation.

By following these guidelines, the elevator lobby distribution box will be safe, accessible, and compliant with building and accessibility standards, providing reliable operation for building occupants and maintenance staff.

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Heavy-Duty Machine Room-Less Elevator Design Guidelines Abstract: This document provides design guidelines for the fabrication,

Second Revision No. 6536-NFPA 101-2022 [Section No. 7.1.5.1]

Initiation of the building fire alarm system by other than manual fire alarm boxes unlocks the electrical locks on the elevator lobby

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Your Comprehensive Guide to Elevator Dimensions

Learn more about standard elevator dimensions, accessibility guidelines for elevator design and different elevator

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

