

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.

Article Content

CHAPTER 30 ELEVATORS AND CONVEYING SYSTEMS

Regardless of the number of fire service access elevators served by the same elevator lobby, the enclosed fire service access

What is the Ideal Installation Height for a Distribution Box

Install a distribution box at 4.5 to 5.5 feet high for safety, accessibility, and compliance. This height ensures easy use and protection

2018 International Building Code (IBC)

The occupant evacuation elevator lobby floor area shall accommodate, at 3 square feet (0.28 m²) per person, not less than 25

Elevator Lobby

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Elevators

The depth of the elevator car measured from the back wall to the elevator door is a minimum of 54 inches (1370 mm). The depth of

Elevator Lobby Size | UpCodes

Elevator lobbies designated for occupant evacuation must meet specific size requirements. The clear floor area should allow for 3

Lift Lobby Design and Specifications | PDF | Elevator

It lists 21 items that should be specified such as the number, type and size of lifts, lift well enclosure details, number of floors served,

When Are Elevator Lobbies Required? What Architects Need to Know.

When required: Where an elevator serves more than one smoke compartment on levels more than 60 ft below grade,

KNOX ELEVATOR BOX K

Designed specifically for a building's elevator lobby, the Knox Elevator Box offers safe, efficient and secure rapid access for

Elevator Layouts | Lift Layouts

Elevator layouts have evolved significantly since their inception. Initially, elevators were basic lift systems used

14 20 00 Elevator design standard

2.9.1 Elevators serving parking garages (or spaces that are not temperature controlled, or observation elevators exposed to the

Elevators

Elevators - ADA Compliance 4. 10 Elevators. 4.10 Elevators. 4.10.1 General. Accessible elevators shall be on an accessible route

Building Elevator Systems

BUILDING ELEVATOR SYSTEMS For most people residing in urban cities, elevators have become an integral part of their daily life.

Elevator Lobby Size | UpCodes

Elevator lobbies designated for occupant evacuation must meet specific size requirements. The clear floor area should allow for 3

Elevator Controls and Indicators

Description of the elevator controls and indicators that are located in an elevator car and also those required in the

Elevator Lobby

Explore a searchable database of US construction and building code. Code regulations are consolidated by state and city for easier

Commercial Elevator Lighting 101

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Elevator Key Box Requirements

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407 Elevators

407.2 Elevator Landing Requirements. Elevator landings shall comply with 407.2.

407.2.1 Call Controls. Where elevator call buttons

Chapter 30 Elevators and Conveying Systems

This chapter governs the design, construction, installation, alteration and repair of elevators and conveying systems and their

DESIGN REFERENCE FOR ELEVATOR INSTALLATIONS

Recommended elevator speed speed per maximum number of service floors. The best suited speed *Building usage; *Single-tenant

Chapter 4: Elevators and Platform Lifts

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Elevator Lobby: Part 1, Construction Requirements

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Chapter 30 Elevators and Conveying Systems

Chapter 30 contains the provisions that regulate vertical and horizontal transportation and material-handling systems installed in

2018 International Building Code (IBC)

1. The occupant evacuation elevator lobby floor area shall accommodate, at 3 square feet (0.28 m²) per person, not less than 25

The Electrical Ups and Downs of Elevator Design

When you're designing an electrical system for a building, don't let elevator requirements bring you down. The many

Heavy-Duty Machine Room-Less Elevator Design Guidelines

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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ADA Elevator Requirements

It's important for every building to meet ADA elevator requirements; here's what you need to know to be compliant.

CHAPTER 30 ELEVATORS AND CONVEYING SYSTEMS

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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.

