



Dimensions of Construction Site Electrical Distribution Box Signs

Article Overview

The sign for an electrical distribution box at a construction site should be large enough to be clearly visible from a safe distance, typically at least 7 inches by 10 inches, with bold lettering and high-contrast colors.

Recommended Size and Visibility

For construction sites, OSHA requires that high-voltage or electrical hazard areas be clearly marked with "DANGER: High Voltage" signs to prevent accidental contact. While OSHA does not specify exact dimensions, best practices suggest a minimum size of 7 inches by 10 inches for the sign, with lettering at least 1 inch tall to ensure readability from several feet away. Larger signs may be necessary for outdoor sites or areas with high traffic to maintain visibility under varying lighting conditions.

Design and Placement Considerations

- o Color Scheme: Use red, black, and white for danger signs to indicate immediate risk of death or serious injury.
- o Mounting Height: Place the sign at eye level (approximately 1.5 to 2 meters above the ground) on the distribution box or nearby barrier to ensure it is easily seen.
- o Durability: Signs should be weather-resistant and able to withstand construction site conditions, including dust, rain, and sunlight.
- o Legibility: Use bold, sans-serif fonts and avoid cluttering the sign with unnecessary information. Include clear hazard symbols if possible.

Additional Safety Measures

- o Ensure the distribution box is installed in an accessible, dry area with proper ventilation.
- o Combine signage with physical barriers or lockable enclosures to prevent unauthorized access.
- o Regularly inspect and maintain signs to ensure they remain visible and legible throughout the construction project.

By following these guidelines, the electrical distribution box will be clearly marked, helping to protect workers, comply with OSHA standards, and reduce liability on the construction site.

Our Construction DBs are used by various packaged vendors for safe power distribution at construction sites, meeting the stringent



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This publication describes graphic symbols used to represent electrical wiring and equipment on construction drawings. In this

INTRODUCTION This appendix presents an example set of SPU Standard Drawings for electrical design.

When an electrical distribution system is too large to be shown on a single drawing, the major components and feeders should be

Please view our Relative Sign Sizes page if you would like to see an approximate representation of these sizes compared to an

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All signs are compliant with OSHA and ANSI standards, helping your facility meet workplace safety requirements while reducing the

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Understanding Electrical Site Plan Symbols: A Comprehensive Guide Electrical site plans are crucial documents in

This guide is intended to protect the mutual interest of our electric customer and Con Edison. Close attention and adherence to our

Distribution boards (generally only one in residential premises) usually include the meter (s) and in some cases

Code: CS27 Electrical Distribution Board, also known as a Distribution Panel or Distribution Board, is an essential component in

A site power distribution board is usually an electrical distribution box equipped with various sockets to provide power for different

Temporary power distribution boxes for flexible electrical installation. Robust solutions for construction sites, events and temporary

When a dwelling unit requires less than 100 feet of distribution line, the Company will install a service lateral of sufficient

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QDC630 - LV distribution switchboard for construction site "QDC630" is a certified low voltage distribution

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