

## Are there electrical wires above the electrical panel in your home



### Overview

Overhead service wires are called the service drop. Refer to the following illustration for the primary components and measurements at the service mast above the roof surface. In this inspection article, we will learn about inspecting the main electrical panelboard, from the utility service to the breakers, including common components of the panelboard, and an inspection checklist. Electrical clearances are the minimum separation distances the National Electrical Code (NEC) requires between wiring, panels, overhead conductors. The National Electrical Code (NEC) provides comprehensive safety standards for electrical installations, including requirements for electrical panels (main service panels and subpanels or breaker box). Answer: Visualize your favorite refrigerator; the volume of space that would be needed by a refrigerator is about how much working clearance you need in front of an electrical panel. What are the Code requirements for protecting wires going into the top of a surface mounted electrical panel?

Do the wires need to be in a conduit from the top of the panel into the ceiling above?

If not, do the wires need to be secured to the wall behind the panel with staples or some other. In this section of the JLC Field Guide, we address what is often called the load center or just the electrical panel, including the service entrance that feeds into, and any subpanels that might feed off of, the main panel.

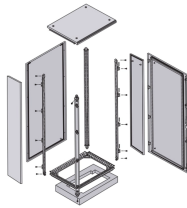
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The space equal to the width and depth of the panel extending from the floor to the structural ceiling is dedicated for electrical equipment; that means no plumbing or gas pipes, no ...



Electrical panels must be properly grounded and bonded to ensure safety and prevent electrical shocks. The neutral and ground must be separated at sub-panels but bonded using jumper wire at the main ...



The National Electrical Code has a few restrictions on where electrical panels may be located, as follows: NEC 110.26 requires electrical equipment (including electrical panels) to be ...



I installed a new surface-mounted electrical panel in my garage, and my inspector failed me for not having protected the wires going into the top of the panel. The wires exit the top of the ...



Subpanels are fed from a double-pole breaker in the main panel and have a 4-wire feeder cable that carries a separate ground and neutral conductor. It's important to note that, in a subpanel, ...



Learn how to inspect the electric service panelboard and common electrical components in this inspection article provided by InterNACHI®.



Your home's electrical system begins with your electric utility company, which sends electrical power to your home through electrical lines overhead from a power pole or underground ...



This is the area directly above and in front of the panel, extending from the floor to 6 feet above the top of the equipment. Nothing unrelated to the electrical installation can occupy this zone ...



Power from the utility company is typically delivered through three large conductors, which may enter the house overhead or underground. Overhead service wires are called a service drop. The drop runs to ...



Discover the importance of a properly installed and maintained main electrical panel. Essential tips for electrical wiring in your home.

## Contact Us

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