What type of steel should be used for grounding the distribution box



Overview

Grounding Conductors: Generally, 40mm × 4mm galvanized flat steel should be used for grounding conductors. Galvanized steel is preferred for its excellent conductivity and corrosion resistance, ensuring a long-lasting grounding system. Due to the high hardness of stainless steel, drilling holes later is not only laborious but also easily damages the anti-corrosion layer. We. Metal electrical boxes must be grounded because they are conductive components that enclose energized wires and connections. Grounding the box prevents this. It'll corrode twice as fast as proper copper-bonded steel. I've seen installations fail in under two years due to substandard materials. Before driving a single rod: Stop hammering. Bonding metal parts entails their connection by a reliable conductor that equalizes their potentials and establishes continuity for ground-fault current. Bonding through a metal raceway.

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Article Content

NEC Code of Junction Box Requirements Made Simple

You must connect all ground wires together inside the junction box. The NEC says you can use a pigtail, which means twisting the ground wires and adding a short wire to the box or device.

Contact Us

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

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