



DID YOU *Know?*

Anchored in Safety **Exploring Strut Anchors in Modern Construction**

The landscape of building construction is **continuously evolving** with new designs, materials, construction sequences, and heightened safety requirements. As these changes unfold, fall protection remains a critical challenge for subcontractor trades. Increasingly, general contractors, construction management companies, and building owners are dictating the specific safety equipment and devices permissible on projects.

For instance, certain personal fall arrest anchor methods, such as beam straps or reusable concrete anchors, may be restricted. This limitation can severely reduce the options for anchor methods if work at elevated heights cannot be conducted from lifts, scaffolding, or similar equipment, especially as construction progresses.

Innovative Solutions

A promising solution for new construction projects is the use of Strut Anchor Devices. These devices can be integrated with permanent building channels or installed items, such as supports for overhead cable trays, as illustrated on the following page.

Modern building designs are increasingly incorporating "All-Thread Anchors" into poured concrete structures. These anchors facilitate the installation of all-thread bolts without the need to drill into the concrete. Once metal struts are connected to these bolts, the anchor device can be utilized, provided a sufficient section has been installed, fasteners have been properly tightened, and the system has been evaluated and approved.

The application of strut anchors generally suits isolated scenarios across various trades, particularly those frequently working with cable trays or similar materials.



Strut Anchor in place on a job site.



Galvanized steel strut channel/metal framing.

Key Takeaways:

MODERN CONSTRUCTION NEEDS

The construction industry is continuously evolving with new designs and materials which necessitate updated safety protocols. Strut Anchor Devices offer a versatile and compliant solution for fall protection, especially in scenarios where traditional methods like scaffolds or lifts are impractical.

THE IMPORTANCE OF COMPETENT PERSONNEL

The effectiveness of fall protection systems heavily relies on the involvement of a competent person. This individual is crucial for evaluating safety options, overseeing system installation, conducting inspections, training employees, and ensuring regular monitoring to maintain safety standards.

ADVANCEMENTS AND COMPLIANCE IN SAFETY EQUIPMENT

Emphasizing the use of advanced safety equipment like self-retracting lanyards can significantly reduce free fall distances and enhance worker safety. Additionally, strict adherence to equipment manufacturer's guidelines and compliance with legal safety standards is essential to ensure the efficacy and reliability of fall protection systems.



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