Erecting columns for overhead bridges

Wire mesh, exterior plywood, or equivalent, shall be installed around columns where planks or metal decking do not fit tightly. The materials used must be of sufficient strength to provide fall protection ...

Discover the eight essential steps in the steel erection process. Learn about safety measures, equipment, and best practices for successful steel erection!

This section sets forth performance and specification requirements for connecting beams and columns, in order to minimize the hazard of structural collapse during the early stages of the steel erection ...

This guide covers the work of the bridge project team relating to erection - from concept to completion; that is for the more common forms of short and medium span bridges for road bridges (which ...

In addition to erecting the pieces as balanced cantilevers at each individual tower, the erection of the pieces at each tower along the length of the bridge must be considered relative to each other to ...

Cranes and Mobile Elevating Work Platforms (MEWPs) are commonly used for the erection of steel structures, even though other methods may be utilized for steel bridge construction.

There are various methods for rigging and setting columns during the steel erection process. When an overhead hoisting device is used to raise a column to the vertical position, the rigging attached to the ...

Learn how proper installation can cut structural failure risk by 80%, and explore essential tools and safety tips for erecting columns. We delve into traditional techniques and modern innovations, ...

Collins performs structure analysis to develop bridge erection plans and procedures for steel and concrete bridges.

A recent project involving the erection of steel columns and beams demonstrated how using data analytics reduced accidents by 30%. By closely monitoring key performance indicators and safety ...

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