

TOOLBOX TALK #8

Method of Erection and Jobsite Conditions

(5 minutes)

ODRD: Owner's designated representative for design

The owner or the entity that is responsible to the owner for the overall structural design of the project, including the structural steel frame. This is usually the structural engineer of record.

ODRC: Owner's designated representative for construction

The owner or the entity that is responsible to the owner for the overall construction of the project, including its planning, quality, and completion. This is usually the general contractor, the construction manager, or similar authority at the jobsite.

QUESTION: What are the general contractor's responsibilities for structural steel erection regarding method and jobsite readiness?

The *Code* says...

7.1. Method of Erection

Fabricated *structural steel* shall be erected using methods and a sequence that will permit efficient and economical performance of erection, and that is consistent with the requirements in the *contract documents*. If the *owner* or *owner's designated representative for construction (ODRC)* wishes to prescribe or control the method and/or sequence of erection, or specifies that certain members cannot be erected in their normal sequence, that entity shall specify the required method and sequence in the *contract documents*. If the *ODRC* contracts separately for fabrication services and for erection services, the *ODRC* shall coordinate planning between contractors.

Commentary:

Design modifications and/or erection aids are sometimes requested by the *erector* to allow or facilitate the erection of the *structural steel* frame. When this is the case, the *erector* should notify the *fabricator* prior to the preparation of the *approval documents* so that the *fabricator* may refer the *erector's* request to the *owner's designated representatives for design and construction* for resolution.



TOOLBOX TALKS

If you're using structural steel, the *Code of Standard Practice for Steel Buildings and Bridges (ANSI/AISC 303-22)* applies to your contract.

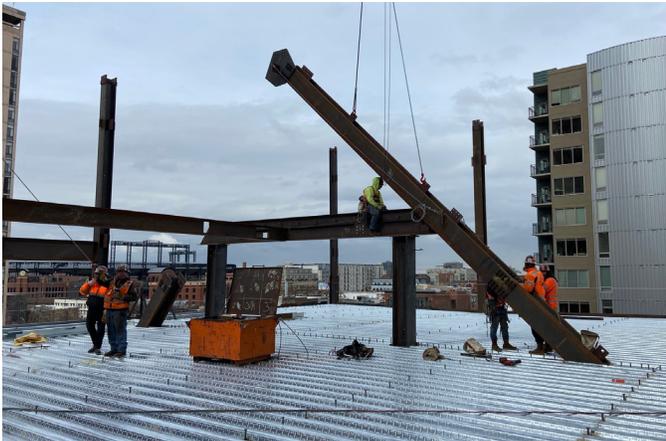
Simply put, the AISC *Code* defines who's in charge of what, when, where—including before any potential conflict arises—and other members of your project team are already using it in their own contracts. Download it for free at aisc.org/code.

Section 7 of the *Code* provides the requirements for method of erection and jobsite conditions and should be referenced during preconstruction for managing these activities with your erector.

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7.2. Jobsite Conditions

The *ODRC* shall provide and maintain the following for the *fabricator* and the *erector*:

- (a) Adequate access roads into and through the jobsite for the safe delivery and movement of the material to be erected and of derricks, cranes, trucks, and other necessary equipment under their own power
- (b) A firm, properly graded, drained, convenient, and adequate space at the jobsite for the operation of the *erector's* equipment, free from overhead obstructions, such as power lines, telephone lines, or similar conditions
- (c) Adequate storage space, when the structure does not occupy the full available jobsite, to enable the *fabricator* and the *erector* to operate at maximum practical speed

Otherwise, the *ODRC* shall inform the *fabricator* and the *erector* of the actual jobsite conditions and/or special delivery requirements prior to bidding.

Need help understanding the Code?



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