READY TO INSPECT — STANDARD FIELD GUIDE

AISC

American Institute of Steel Construction

AISC governs how structural steel frames are fabricated and put up, and its Code of Standard Practice sets the trade customs the whole job runs on. Those cover what a connection has to develop, how bolts get installed, and what erection tolerances the frame is held to. On site it shows up as the questions asked before a floor is decked and before the crane leaves: are the connections complete, are the bolts installed to the right condition, is the frame plumb and to line.

What it covers

- Connection type and completeness, from shear tabs to moment connections
- Bolt installation condition: snug-tight versus pretensioned joints
- Erection tolerances for plumb, level and column line
- Camber in beams and its direction at installation
- Field modifications, weld access and the Code of Standard Practice trade rules

What a field inspection looks at

- Every bolted joint photographed with its condition clear: snug-tight joints made up, pretensioned joints showing the installation method used.
- Connections photographed complete before load comes on, not with a row of holes still open and a promise to return.
- Plumb and column-line checks documented with the reading in frame, not asserted in a note.
- Camber confirmed installed the right way up, photographed before decking hides the beam.
- Field cuts, holes or reinforcing photographed and referred to the engineer rather than closed over.

Adoption varies by jurisdiction. Confirm the edition your authority having jurisdiction enforces before you run a walk against it.