

Structural steel final inspection checklist

Structural steel final inspection is where the punch list is either short or expensive. This checklist walks the finished work the way an owner or AHJ will see it: devices on, systems running, everything labeled. Each item gets the photo that closes it instead of reopening it. Work is commonly verified against AISC, AWS D1.1, the applicable building code. Confirm the edition your authority having jurisdiction has adopted.

Who runs it: The GC's superintendent with the steel foreman, closing out the structure with the special inspector's connection reports in hand. When: After the frame is topped out and all connections are made, before the fireproofing crew mobilizes and covers the steel.

Connections complete

- ☐ **All bolted connections final and verified**
Every joint completed to its specified condition, pretensioned joints confirmed tensioned, no snug-tight bolts remaining where pretension is required, no open holes. **2 photos required**
- ☐ **All structural welds complete and accepted**
Welds finished at every location, visual and any required NDT results accepted, temporary erection aids removed and their scars ground smooth. **2 photos required**

Decking

- ☐ **Metal deck attachment complete at all supports**
Deck welded or fastened at supports and side-laps at the specified pattern, no loose sheets, deck bearing and butt-joints landed on steel. **2 photos required**
- ☐ **Deck openings, closures and pour stops in place**
Edge pour stops, column closures and deck openings framed and secured before the deck is signed off for concrete. **1 photo required**

Ready for fireproofing

- ☐ **Steel clean and complete before fireproofing**
Surfaces free of loose material, connection log closed for the area, nothing left to weld or bolt on the steel once fireproofing covers it. **1 photo required**