

Precast concrete final inspection checklist

Precast concrete 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 PCI guidance, the applicable building code. Confirm the edition your authority having jurisdiction has adopted.

Who runs it: The GC's superintendent with the erector, walking the completed structure before the frame is enclosed. When: After erection is complete and connections, welds and grout have cured, before the envelope closes the joints in.

Connections complete

- ☐ Every connection welded, bolted and cured
Each connection closed out to its detail, welds cleaned and sized, bolts tensioned, grout cured hard before sign-off. 2 photos required
- ☐ Bracing removed only after connections carry load
Temporary bracing struck only where permanent connections and grout are verified complete, no piece left relying on bracing. 1 photo required

Joints and finish

- ☐ Panel and joint alignment consistent across the face
Joint widths even, panel faces flush within tolerance, no stepping or drift carried up the elevation. 2 photos required
- ☐ Chamfers and arrises clean and unbroken
Chamfered edges continuous, no rig damage or handling chips left in the exposed arris lines. 1 photo required

Joint treatment

- ☐ Waterproofing and joint treatment at panel joints
Joint waterproofing or sealant applied over cured grout, continuous at the panel joints with no missed runs. 2 photos required