READY TO INSPECT — FIELD CHECKLIST

Precast concrete rough-in inspection checklist

Precast concrete rough-in is the last time the work is fully visible. Once the cover inspection passes and the walls, ceilings and slabs close, every defect left behind becomes a demolition bill. This checklist walks the rough-in in the order the work goes in, with the photo each item needs before it gets buried. 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 walking the raise with the erector's foreman, releasing each bay before the crane moves on. When: During erection, piece by piece as panels and members are landed, before any topping is poured or the connection is closed in.

Before the pick

- [ ] Piece mark on each member matches the erection drawing
  Stamped or stenciled piece mark photographed and matched to its location on the erection drawing before the piece is hoisted.
  1 photo required
- [ ] Delivered pieces looked over for cracks and damage before hoisting
  Each piece checked on the trailer or in laydown for cracks, broken corners and damaged lifting inserts; damage reported to the precaster before it is set.
  1 photo required
- [ ] Supports surveyed and ready before the first piece lands
  Bearing seats, corbels, ledges and cast-in anchors at the elevation and line on the erection drawing, clean and free of debris.
  1 photo required
- [ ] Erection sequence and bracing plan walked with the erector
  The erector's piece sequence and temporary bracing plan on site and reviewed with the foreman before the day's picks, so no piece is set out of order.
  No photo required

Bearing and alignment

- [ ] Bearing pads seated and members at correct elevation
  Pad centered and fully under the bearing, member elevation and line checked against the erection drawing before release.
  2 photos required
- [ ] Leveling shims placed and stable
  Shim stacks solid, non-tipping and within the detailed height, no makeshift shims substituted in the field.
  1 photo required
- [ ] Joint width and plumb checked before each piece is released
  Joint to the adjacent piece and plumb or sweep measured against the erection tolerances, corrected before the next piece locks it in.
  1 photo required

Connections

- [ ] Connection hardware matches the erection detail
  Plates, angles, bolts and weld sizes match the piece connection detail, bolts torqued or welds sized as shown.
  2 photos required
- [ ] Field welds complete, not just tack-held
  Every connection weld run out to the detailed size, no piece left carried on erection tacks alone.
  2 photos required
- [ ] Embeds and dowels engaged as shown
  Cast-in embeds and projecting dowels line up and engage the mating piece per the detail, none cut or bent to fit.
  1 photo required

- [ ] Electrode label matches the approved welding procedure
  Electrode package label photographed and matched to the erector's welding procedure and the approved submittal, rod kept dry as the procedure requires.
  1 photo required

- [ ] Special inspector's connection visits scheduled and logged
  Special inspector called before closure for the connections the statement of special inspections lists; visit logged, report on file, reported discrepancies tracked to correction.
  No photo required

Grout and bracing

- [ ] Grout placed at bearings and keyways
  Bearing joints and shear keyways fully packed with the specified grout, consolidated with no voids before closure.
  2 photos required

- [ ] Temporary bracing in place until connections are made
  Erection bracing installed and left engaged until the permanent connections and grout have taken the load.
  1 photo required

- [ ] Grout bag label matches the approved submittal
  Bag label photographed showing product and lot, matched to the grout in the approved submittal and within its shelf life.
  1 photo required