

Concrete rough-in inspection checklist

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 ACI guidance. Confirm the edition your authority having jurisdiction has adopted.

Who runs it: The concrete superintendent walking the deck with the placing crew foreman before the pump truck arrives. When: The morning of placement, after the rebar and embed installers have signed off and before the first truck is released to pour.

Formwork

- ☐ **Forms plumb, braced and tight at the joints**
No visible gaps at panel joints or the base, bracing spaced to resist the expected pour rate. 2 photos required
- ☐ **Form release applied evenly**
Coated surface even, no pooling on the deck or runs onto rebar. 1 photo required
- ☐ **Edge forms and screeds set to the correct elevation**
Grade stakes or laser check at multiple points, screed rails secure and true. 2 photos required
- ☐ **Shoring and reshores in place under elevated deck forms**
On elevated decks, posts plumb and bearing on sills or the slab below, layout matching the shoring drawings, no shores pulled by other trades. No photo required
- ☐ **Bulkheads set at the construction joint locations shown**
Bulkhead where the joint layout places it, keyway or dowel holes in place, bars passing through without being bent to fit. 1 photo required

Reinforcement

- ☐ **Cover maintained on all faces with chairs and bolsters**
Chairs at the spacing called for, not crushed or displaced, correct cover measured with a cover meter or tape at several spots. 3 photos required
- ☐ **Bar size, spacing and laps match the placing drawings**
Tape measure on bar spacing and lap lengths at a sample of locations, size stamped on the bar tag matches the schedule. 2 photos required
- ☐ **Ties intact and mat rigid enough to walk without shifting**
No loose or missing ties at intersections, mat does not rock or spring when pressed. 1 photo required

Embeds, sleeves and blockouts

- ☐ **Anchor bolts, embed plates and dowels set at the correct location and elevation**
Measured location against the layout drawing, elevation checked with a level or laser, item braced so it cannot shift during placement. 3 photos required
- ☐ **Sleeves and blockouts sized and located for the trades that need them**
Tape measure showing size and offset from a fixed reference point, item capped or braced against float during the pour. 2 photos required
- ☐ **Waterstops and joint materials continuous where called for**
No gaps or unspliced ends at waterstop joints, keyway forms centered and secure. 1 photo required

- ☐ **Cover zone clear, with in-slab runs tied to the mat**
Nothing sitting in the bottom cover under the steel; any conduit or pipe in the pour tied to the mat so it cannot float, separation between runs kept. 1 photo required

Placement readiness

- ☐ **Runways laid so the placing crew stays off the mat**
Walk boards or hose supports set over the reinforcement so the pump hose and boots do not crush chairs or push bars down. 1 photo required
- ☐ **Trades with work in the pour have signed off**
Electrical, plumbing and any other trade with embeds in this pour have walked it and recorded their release before placement starts. No photo required