

Cast-in-place concrete special inspection checklist

Once concrete is placed, the reinforcement and the mix behind it are unverifiable. The independent inspector confirms the steel, witnesses the sampling, and records the placement while everything is still visible.

Who runs it: A third-party or owner's-rep special inspector for concrete, with the placing crew and the testing lab. When: Before the pour (reinforcement and embeds), at delivery (mix verification and sampling), and during placement and curing.

Reinforcement and embeds

- ☐ Bar size, grade, spacing and lap lengths match the approved drawings
Placement checked against the reinforcement drawings before forms are closed. 3 photos required
- ☐ Concrete cover and support verified
Chairs and spacers maintain the specified cover; a tape photographed at cover. 2 photos required
- ☐ Embeds, anchor bolts and openings located and secured
Position and projection confirmed against the plan; nothing loose before the pour. 2 photos required

Mix and sampling

- ☐ Delivery ticket matches the approved mix design
Mix identification, water added and elapsed time checked on the ticket. 1 photo required
- ☐ Fresh-concrete tests and specimen sets witnessed
Slump, temperature, air and specimen casting performed and witnessed at the specified frequency. 2 photos required

Placement and curing

- ☐ Placement, consolidation and cold-joint control observed
No segregation; consolidation and lift sequence appropriate for the element. 2 photos required
- ☐ Curing and protection started and maintained as specified
Curing method in place promptly; protection appropriate to the conditions. 1 photo required