

Post-tensioned concrete final inspection checklist

Post-tensioned 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 ACI, the applicable building code. Confirm the edition your authority having jurisdiction has adopted.

Who runs it: The GC's superintendent with the PT subcontractor's stressing crew and the engineer's field rep witnessing elongations. When: After the concrete reaches the specified stressing strength, tendon by tendon, and — on bonded systems — after cutoff when the tendons are grouted.

Stressing

- ☐ **Elongation measured against the calculated range and recorded**
Measured elongation and gauge pressure logged per tendon and compared against the calculated range on the stressing record before the tail is cut. **2 photos required**
- ☐ **Jack calibration current and sequence followed**
Calibration certificate for the jack and gauge in date, stressing sequence matching the drawings so the slab isn't loaded unevenly. **1 photo required**

Pockets and grouting

- ☐ **Pockets patched after cutoff**
Tails cut, anchor and wedges coated per the detail, pockets packed and patched flush so the anchorage is protected, not left open. **2 photos required**
- ☐ **Grouting completed on bonded systems**
Bonded tendons grouted per the procedure, grout returning at vents to confirm the duct is full, injection and vent records kept. **2 photos required**