READY TO INSPECT — FIELD CHECKLIST

Structural masonry special inspection checklist

Grout hides the reinforcement, and finishes hide the grout. The independent inspector confirms the materials and the steel, witnesses the sampling, and records grout placement before the wall closes it in.

Who runs it: A third-party or owner's-rep special inspector for masonry, with the mason and the testing lab. When: At material delivery, during laying and reinforcement placement, and at each grout lift and sampling.

Materials and proportions

- [ ] Units, mortar and grout materials match the approved submittals
  Unit type, mortar type and grout consistent with the specification.
  1 photo required
- [ ] Mortar and grout proportioning verified
  Batching or proportions observed against the specified mix.
  1 photo required
- [ ] Method for verifying masonry strength confirmed before laying
  Unit-strength or prism-test method, and the submittals behind it, match the approved documents and the statement of special inspections.
  No photo required

Laying and construction

- [ ] Bedding, head joints and grouted-cell webs mortared as specified
  Face-shell or full bedding as the drawings call for; webs mortared around cells to be grouted; joints filled and tooled.
  1 photo required
- [ ] Anchors, ties and connectors placed at the spacing shown
  Wall ties, anchor bolts and connections to the structure placed, embedded and located as the approved drawings show.
  1 photo required
- [ ] Bond beams, lintels and control joints located per the drawings
  Bond beams and lintels where shown with reinforcement continuous where detailed; movement joints at the locations drawn.
  1 photo required
- [ ] Cold- or hot-weather procedures followed for laying and grouting
  When temperatures fall outside the approved range, materials heated or shaded and new work covered as the approved procedures require; no frozen units or mortar laid.
  No photo required

Reinforcement and grouting

- [ ] Reinforcement size, position and lap verified before grouting
  Bar placement, spacing and cell alignment checked while cells are still open.
  3 photos required
- [ ] Cleanouts, consolidation and grout lift height observed
  Cleanouts present at the base of tall lifts; consolidation and lift height controlled.
  2 photos required
- [ ] Grout placement witnessed at each lift
  Grout reaches the specified cells fully; no voids left where it matters.
  2 photos required

Sampling and testing

- [ ] Mortar, grout or prism specimens taken and witnessed
  Specimens made at the specified frequency and cured for testing.
  2 photos required

- [ ] Grout slump or flow checked at the point of placement
  Consistency measured against the specified range before the grout goes into the wall; reading recorded with the lift.
  1 photo required

Discrepancies and reporting

- [ ] Blocked cells, misplaced bars or missing ties shown to the mason
  Deficiencies marked on the wall and shown to the mason while cleanouts are still open, then rechecked before the grout lift goes in.
  No photo required

- [ ] Walls grouted with open items named on the inspection report
  Any wall grouted or covered before a deficiency was corrected listed by wall line and course on the report to the engineer of record and the building official.
  No photo required