

Electrical rough-in inspection checklist

Rough-in is a photograph problem. Everything an inspector or a future electrician will ever want to see is visible for about a week, and then it's behind drywall for thirty years. Work this list before the rock truck shows up.

Who runs it: Electrical foreman on their own rough-in; GC verifies before requesting the inspection. When: After framing and before insulation and drywall, with all other trades' rough-in complete so conflicts are visible.

Boxes and mounting

- ☐ Boxes set to finished wall depth and level
Correct setback for the finish material, square to the stud, secure without racking. 2 photos required
- ☐ Box fill appropriate for conductors and devices
Count conductors, devices and clamps; oversize the box rather than force the make-up. 1 photo required
- ☐ Boxes located per plan and coordinated with casework
Check outlets against the millwork and appliance layout before the wall closes. 1 photo required

Conductors and raceway

- ☐ Cable supported and secured at required intervals
Staples within the required distance of each box, no over-driven staples pinching the jacket. 2 photos required
- ☐ Conductors protected where they pass through framing
Nail plates at every bore near the face; adequate setback everywhere else. 2 photos required
- ☐ No damaged jackets, sharp bends or overfilled raceway
Walk each home run; anything nicked gets replaced, not taped. 2 photos required
- ☐ Circuit identification legible at each box and at the panel
Permanent marking that will still be readable at trim-out. 1 photo required

Grounding and bonding

- ☐ Equipment grounding conductor present and made up in every box
Continuous through the box, pigtailed correctly, nothing left loose in the back. 2 photos required
- ☐ Grounding electrode system installed and accessible
Connections visible, listed clamps, no paint or coating in the contact area. 2 photos required
- ☐ Metallic systems bonded where required
Water piping, gas piping and structural steel bonded per the design. 1 photo required

Panel and service

- ☐ Panel set plumb, accessible, with working clearance maintained
Clearance in front of the panel unobstructed by later work. Check the furniture plan. 2 photos required
- ☐ Conductors dressed and terminated to torque spec
Neat make-up, correct lug sizes, torque marked where required. 2 photos required
- ☐ Panel schedule posted and legible
Filled out at rough-in and corrected at trim, not written from memory at closeout. 1 photo required