

Electrical rough-in inspection checklist

Electrical 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 NEC (NFPA 70). Confirm the edition your authority having jurisdiction has adopted.

Who runs it: The electrical foreman walking their own rough-in, or the GC's superintendent at the pre-cover hold point. When: After the raceways and boxes are set and conductors are pulled, before insulation and drywall, and before the AHJ's rough-in inspection is called.

Boxes and devices

- ☐ **Boxes secured, square and at the right depth**
Box flush or proud to match the finished wall surface, firmly mounted to framing, no crushed or cracked boxes. 2 photos required
- ☐ **Box fill within capacity**
Conductor count and device yokes match the box size stamped on the box. 1 photo required
- ☐ **Nail plates where conductors pass near the face of a stud**
Steel plates on any bored hole closer than the required setback from the stud edge. 1 photo required
- ☐ **Boxes in rated walls offset or protected per the listing**
Boxes on opposite sides of a rated wall separated by the listed distance or stud cavity, or wrapped with listed putty pads where they can't be. 1 photo required
- ☐ **Box locations and circuiting match the current drawing set**
Device locations, mounting heights and homerun circuit numbers checked against the latest issued power and lighting plans, not a superseded set. No photo required

Raceways and conductors

- ☐ **Conduit and cable supported at the required intervals**
Straps and hangers within the supported spacing, no runs resting on ceiling grid or ductwork. 2 photos required
- ☐ **Conductor insulation undamaged from the pull**
No nicks, scrapes or stretched insulation at pulls through conduit bodies and boxes. 2 photos required
- ☐ **Cable protected where it enters boxes and panels**
Listed clamps or bushings at every entry; no cable jacket stripped back beyond the clamp. 1 photo required
- ☐ **Homeruns and circuits identified at both ends**
Panel and circuit marked on the cable or in the box, matching the panel schedule. 1 photo required
- ☐ **Conductor size and insulation type match each circuit**
Gauge and insulation marking printed on the jacket match the breaker size and the circuit shown on the panel schedule. 1 photo required
- ☐ **Power wiring separated from low-voltage cabling**
Line-voltage conductors not sharing a box or raceway with data, alarm or control cable unless a listed barrier divides them. 1 photo required

Grounding and panels

- ☐ **Grounding electrode conductors landed and protected**
Connections to electrodes accessible or exothermic, conductor protected from physical damage. 2 photos required
- ☐ **Bonding jumpers at metallic piping and structural steel**
Clamps listed for the pipe material, paint removed under the clamp. 1 photo required
- ☐ **Panel locations clear with working space preserved**
Nothing stored or framed into the required working clearances in front of each panel. 1 photo required
- ☐ **Equipment grounds spliced and bonded in every box**
Grounds joined with a listed connector and bonded to metal boxes by a ground screw or listed clip; none left folded back loose. 1 photo required