

Plumbing rough-in inspection checklist

Plumbing 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 IPC / UPC family. Confirm the edition your authority having jurisdiction has adopted.

Who runs it: The plumbing foreman walking their own rough-in ahead of the pressure test and the AHJ inspection. When: After underground and in-wall drain, waste, vent and supply piping is run, before backfill or wall closure and before the pressure test is called.

Drain, waste and vent

- ☐ **Slope on horizontal drain lines**
Level held against the pipe showing consistent fall toward the direction of flow, no bellies or reverse pitch. 2 photos required
- ☐ **Cleanouts placed and accessible**
Cleanout location marked and photographed before it's buried in slab or wall, plug seated and accessible. 2 photos required
- ☐ **Vent terminations sized and routed correctly**
Vent stack diameter matches the fixture unit load, no vents tied into a return air path. 1 photo required
- ☐ **Drain fittings suited to each change of direction**
Wyes, long sweeps or combination fittings where horizontal drains turn or join; no sanitary tee laid on its back. 1 photo required
- ☐ **Drain joints made up the way the pipe manufacturer requires**
Plastic joints primed where required and bottomed in the socket, no-hub couplings tightened to the listed torque; no dry, cocked or gapped joints. 1 photo required

Piping support and protection

- ☐ **Pipe supported at the required intervals**
Hangers or strapping at the spacing appropriate to the pipe material, no sagging between supports. 2 photos required
- ☐ **Nail plates and sleeves at framing penetrations**
Steel plates over pipe within the setback from the stud edge, sleeves at slab and wall penetrations. 1 photo required
- ☐ **Underground piping bedded and free of debris before backfill**
Pipe resting on clean bedding material, no rocks or construction debris in the trench. 2 photos required
- ☐ **Supply pipe isolated from framing and hangers**
Grommets or isolators where pipe passes through metal studs, copper kept off bare steel straps, and no pipe rubbing or rattling against framing. 1 photo required

Water piping and pressure test

- ☐ **Supply piping sized and material matches the design**
Pipe diameter and material stamp match the plan set at each run and branch. 1 photo required
- ☐ **Pressure test gauge held for the full duration**
Gauge reading recorded at the start and again at the end of the hold period, no visible drop. 2 photos required
- ☐ **Backflow and shutoff valve locations set per plan**
Valves installed at the marked locations, accessible and oriented for correct operation. 1 photo required

- ☐ **Hot and cold supplies on the correct side of each fixture**
Hot on the left and cold on the right at every stub-out as you face the fixture, unless the fixture's rough-in sheet shows otherwise. 1 photo required
- ☐ **Test method and pressure agreed before the system is charged**
Water or air test and the test pressure confirmed with the AHJ, and within the pipe manufacturer's limits, before filling or pressurizing. No photo required
- ☐ **Walls with pipe under test flagged so no one screws into them**
Walls and ceilings holding charged piping marked on the framing and called out to the electricians and board hangers until the test hold ends. No photo required