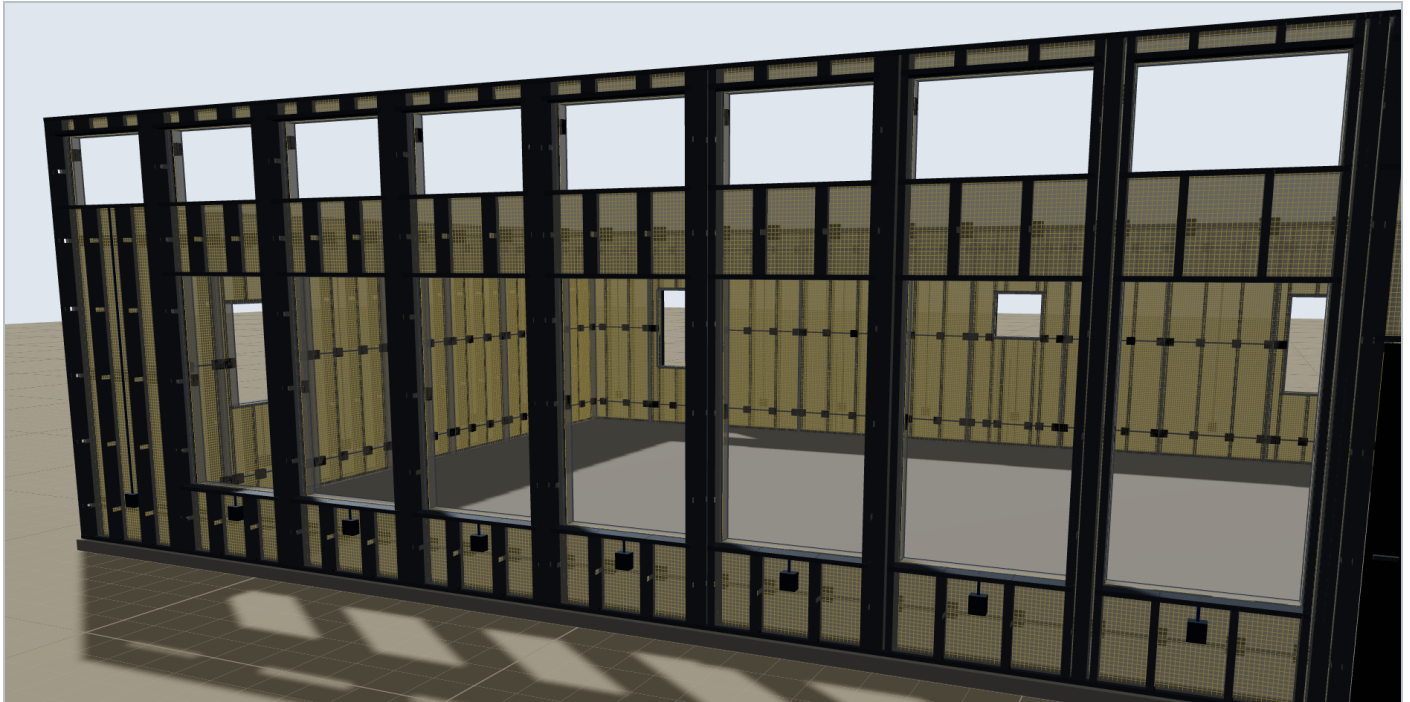


Rough in, in the open cavity

The wall is open on the outside now. Everything electrical and everything plumbing goes in this cavity, and then it gets buried permanently.

STOP

The cavity fill is irreversible. Pumping the fill before the rough-in has been inspected and approved destroys the inspection, and the work has to be opened back up. There is no other way to see it again. This is the single most expensive mistake available on this job.



The standing wall from outside, still open: panels anchored through the bottom track, screwed to each other through the mating edge studs, and the boxes and conduit in the open cavity. Figure file: wall-04-open-cavity.png

Running it

- 1 Route through the stud punchouts. They are 1-1/2 in by 4 in, 12 in from each end then every 24 in. Use them. Do not cut new holes in a stud.
- 2 Outlet boxes at 16 in, 1 per panel in the model. Switches at 48 in.
- 3 Conduit 3/4 in. On the plumbing wall, 2 in drain and 3/4 in hot and cold supplies.
- 4 Support and protect everything. Once the fill is in, nothing can be re-clipped.
- 5 Seal every sleeve penetration.
- 6 Finish the pressure tests and the continuity tests that have to be made before the cavity closes. They cannot be made afterwards.

Rough in, in the open cavity (continued)

HOLD POINT

Shower house, in the plant. The QC inspector inspects and signs the rough-in hold on QF-18 Shower house assembly, MEP rough-in and cladding inspection **before the cladding goes on and before any fill is pumped**: pipe and fitting materials against the approved plumbing plan and the adopted Uniform Plumbing Code 2021; supports and protection; conduit, boxes and conductors against the approved electrical plan and the adopted NEC 2020 with the Montana amendments; bonding and grounding; sleeve penetrations and their sealing; and the completed tests. [KEN TO CONFIRM: the notification arrangement with the third-party inspection agency for this hold point.]

HOLD POINT

House, on site. The panels leave the plant with no plumbing and no wiring in them. The rough-in is done on site in the open cavity and **it is inspected and approved by the authority having jurisdiction before the cavity fill is pumped**. That instruction goes out with the shipment on its own page. **The approval is written down on QF-35 Panel erection record, section 5**, by the erector: the authority, the inspector, the inspection number and the date, with the approval attached, and then the date and time the fill started. The fill line sits under the approval line on the form on purpose. If the approval line is empty, the fill has not been authorised by anybody.

Who sees what

A unit carrying the Montana insignia is accepted throughout the state without further inspection, except for zoning, utility connections and foundation permits. Those connections, water in, sewer out, power in and the anchorage, are exactly what the local inspector does look at. Leave them clean and accessible.

THE RECORD YOU SIGN

In the plant: QF-18 Shower house assembly, MEP rough-in and cladding inspection, the MEP rough-in section, as a hold point signed by the QC inspector.

On site, on the house: QF-35 Panel erection record, section 5, written and signed by **the erector's site supervisor, not by anyone from the plant**. The authority having jurisdiction approves the rough-in on site; the erector records the approval and then the fill. The requirement itself is carried in the installation instruction issued with the shipment, and the blank form goes out in the same pack.