

SUCCESS WITH LOUISIANA ENERGY CODE

Recommended Practices for Optimized Energy Savings
for Builders/Trades & Code Officials



AIR SEALING



AIR SEALING

Installation

- **JC 1:** Air seal all dropped ceilings/soffits, shafts and chases.
- **JC 2:** For all floor systems within the conditioned envelope, air seal bands or blocking that separates conditioned and unconditioned space.
- **JC 3:** Air seal all air barriers that enclose overhanging floor cavities.
- **JC 4:** Air seal all gaps and voids between conditioned and unconditioned spaces.
- **JC 5:** Air seal around windows and doors using backer rod, caulk or low expansion foam.
- **JC 6:** Air seal all penetrations between conditioned and unconditioned spaces. Use fire-rated sealants where applicable.
- **JC 7:** Air seal supply and return duct terminations to drywall and/or subfloor with caulk, foam or equivalent material. Use fire-rated sealants where applicable.



AIR SEALING

JC 1: Air seal all dropped ceilings/soffits, shafts and chases.

- How
- Why
- What to avoid





How?
Locate holes in ceiling
Cap and seal

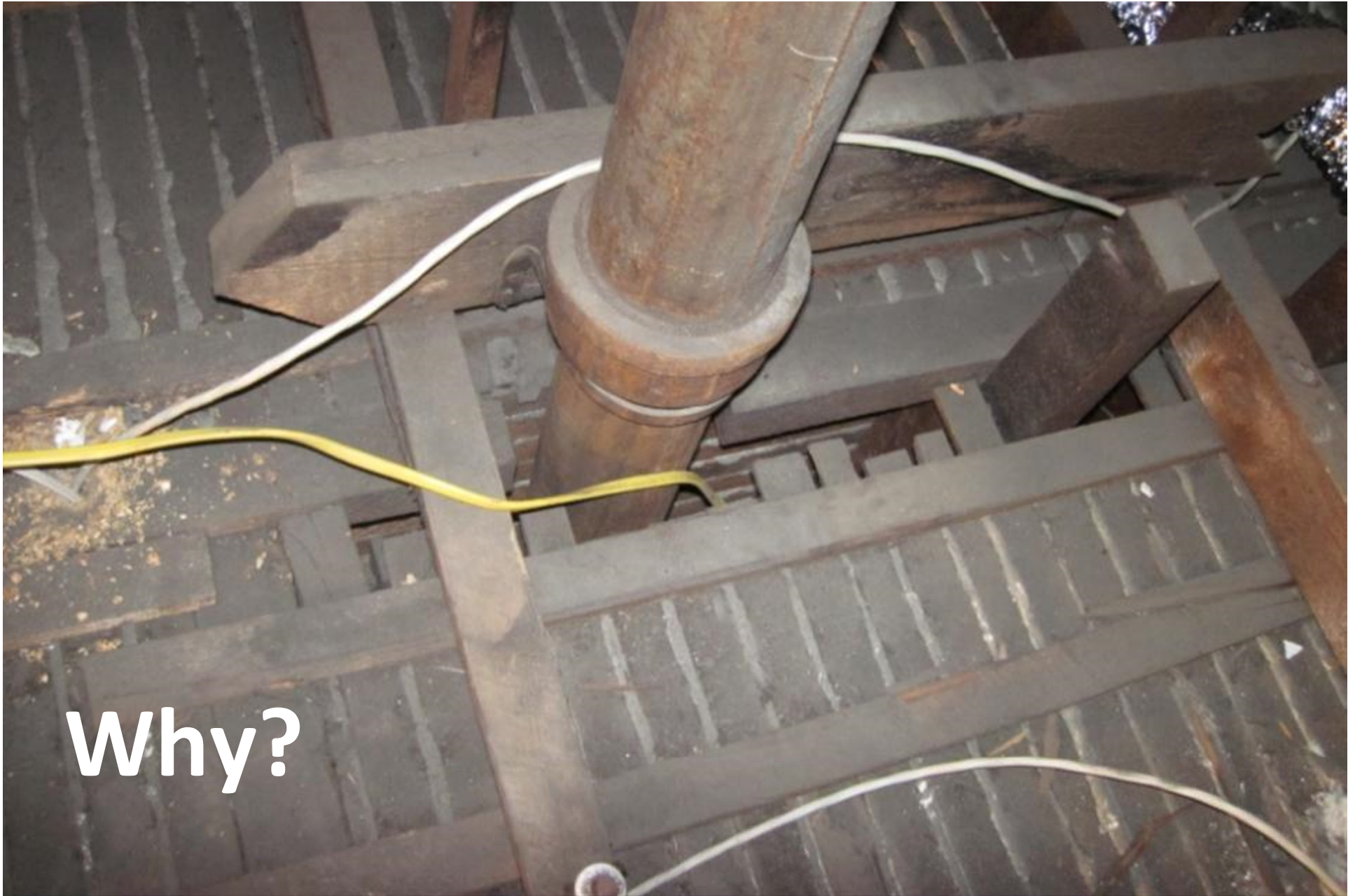




Who's gonna seal it now?



AIR SEALING JC 1



Why?



AIR SEALING JC 1



AIR SEALING

JC 2: For all floor systems within the conditioned envelope, air seal bands or blocking that separates conditioned and unconditioned space.

- How
- Why
- What to avoid





How?

Locate separating floor systems

Install barrier + seal



Why?





It's going to be hard to seal...



AIR SEALING JC 2

AIR SEALING

JC 3: Air seal all rigid air barriers that enclose overhanging floor cavities.

- How
- Why
- What to avoid



How?
Locate cantilevers
Insulate, install barrier, seal



Why?



AIR SEALING JC 3

Watch out for daylight...



AIR SEALING JC 3

AIR SEALING

JC 4: Air seal all gaps and voids between conditioned and unconditioned spaces.

- How
- Why
- What to avoid



How? Locate the air barrier Seal!





Why?



AIR SEALING JC 4



**Does everyone know where
to seal?**



AIR SEALING JC 4

AIR SEALING

JC 5: Air seal around windows and doors using backer rod, caulk or low expansion foam.

- How
- Why
- What to avoid



A close-up photograph of a wooden window frame. A dark, textured sealant strip is applied along the top edge of the frame. Above the sealant, a line of white caulk is visible, filling a gap between the wood and the wall. The wood is light-colored and shows some grain and knots. The background is slightly blurred, showing more of the window structure.

How?
Seal the gaps





NO INSULATION



AIR SEALING JC 5

AIR SEALING

JC 6: Air seal all penetrations between conditioned and unconditioned spaces. Use fire-rated sealants where applicable.

- How
- Why
- What to avoid



How?

Seal the gaps



Critical Concept:
If you make the hole, seal it!



Why?



AIR SEALING JC 6

Does this cost more?



AIR SEALING JC 6