



Corridor and smoke-barrier penetrations are a smoke-control question, not just a rating question. A listed smoke damper (SD) at the wall, a corridor damper (CD) at a corridor ceiling membrane, and a ceiling radiation damper (CRD) at a rated floor/ceiling or roof/ceiling membrane are three products. They are not interchangeable. A CRD is not a fire damper and not a smoke damper.

Original Masterbuild PE packet from Daily Code Talk on 2024 IMC 607.5.4. Confirm the adopted edition and the IBC assembly. Distinct from fire partitions (607.5.3) and shafts (607.5.5). This is not a damper schedule.

- ☐ **Listed SD where a duct or transfer opening penetrates a smoke-barrier wall, and where it penetrates a corridor enclosure**
CD where corridor ceilings are constructed as required for corridor walls and are penetrated. A CD is specific to that ceiling membrane — not a substitute for an SD at the wall.
- ☐ **CRD where the ceiling membrane of a rated floor/ceiling or roof/ceiling assembly is penetrated under the applicable IBC**
Exceptions exist (approved smoke-control system; steel ducts limited to one smoke compartment; minimum 0.019-inch steel duct with no openings serving the corridor; a Group I-2, Condition 2 path). Name the exception. Do not omit an SD without proving it.
- ☐ **607.5.4.1: SD closes as required by 607.3.3.2 — detector, signal, and closure coordinated with fire alarm.**
On the set: wall type first, then SD / CD / CRD, listing, actuator, access, and the exception basis on M-001. Fire-alarm sequence on M-603.

The fail we see first

Duct through a smoke barrier, no SD, no exception. Or a CD treated as a wall question only. Or a CRD missing at the rated ceiling membrane. The typical only says “F/S at rated walls.”

What to send: life-safety plan with corridors and smoke barriers marked, the duct plan at those walls, and whether any rated ceiling membrane is penetrated.

Send the comments. Not the County guideline.

Folio (does it start with 30?), process or UP number, and the comments PDF. Masterbuild will say which row is actually open.

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+1 (786) 398-6940 · Calendly: 30-minute scoping call

Masterbuild provides engineering services under a written scope. Not a damper schedule. Confirm adopted 607.5.4. This is not legal advice.