



Four field checks on one connector: independent support, horizontal length not more than 75% of the chimney or vent height, stop at the inner face of the liner (do not project into the flue), and a continuous rise of at least 1/4 inch per foot (2%). Missing any one of those at a transition is not fully reviewable.

Original Masterbuild PE packet from Daily Code Talk on 2024 IMC 803.10.1–803.10.3 and 803.10.5. Confirm the adopted edition. Distinct from wall pass-through (803.10.4) and clearance (803.10.6). This is not a connector design. Daily Code Talk example: a 20-foot-high chimney allows a maximum 15-foot horizontal single-wall connector.

- ☐ **803.10.1: adequately supported; joints secured by sheet metal screws, rivets, or other approved means.**
Do not hang the connector on the appliance collar or the chimney opening.
- ☐ **803.10.2: maximum horizontal length of a single-wall connector is 75% of the chimney or vent height.**
Long horizontal runs increase resistance and can reduce draft. Put the height used for that check on the same sheet as the run.
- ☐ **803.10.3: extend to the inner face of the liner, not beyond it. Projecting into the flue restricts flow and collects deposits.**
Masonry: connector cemented to the masonry in an approved manner; removable thimbles permanently cemented with high-temperature cement. 803.10.5: minimum pitch 1/4 inch per foot or 2% slope, rising continuously toward the chimney or vent. Flat or downhill runs are the miss.

The fail we see first

A horizontal run with no chimney height on the sheet. The reviewer cannot verify 75% without a building section that may not even be in the mechanical set. Sagging, joint separation, lost slope, and a pipe poked into the flue are the usual field outcomes.

What to send: connector route in section, chimney or vent height, and whether the pipe is single-wall. Photos of sag, slope, and how it enters the chimney.

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 connector design. The 75% length rule, 20-ft / 15-ft example, and 1/4 in. per ft pitch are Daily Code Talk education. Confirm adopted 803.10. This is not legal advice.