



The hood is a life-safety system, not a “kitchen exhaust note.”
Type I fans auto-start with appliance operation, or the appliances cannot run unless exhaust is on. Sensor-based start: the fan activates within 15 minutes of the first appliance being turned on. Interlocks cannot extinguish standing pilots or rely on the fire-suppression system. After install and before final approval: verify exhaust airflow, makeup air per 508, and capture with smoke or steam under real operating conditions.

Original Masterbuild PE packet from Daily Code Talk on 2024 IMC 507.1.1–507.1.7. Confirm the adopted edition. Distinct from 507.1 exceptions and 507.1.6 geometry. This is not a controls design.

- ☐ **507.1.1: hoods operate during cooking. Exhaust rate follows the hood listing or the code tables. Type I: auto-start with ap**
Sensor start: within 15 minutes of the first appliance on. Interlocks cannot kill standing pilots or depend on suppression.
507.1.1.1 multiple hoods on one exhaust with sensors: each hood has its own sensor, accessible from the hood outlet or a cleanout.
- ☐ **507.1.2: “residential” appliances used for commercial purposes get Type I or II hoods per 507.2 / 507.3 — not IMC 505.**
507.1.3: draft-hood / atmospheric-burner appliances are not allowed in the same space as a Type I or II hood unless in a sealed, self-closing enclosure with compliant combustion air.
- ☐ **507.1.4–507.1.5: designed for thorough cleaning. Outlets optimize capture; each outlet serves max 12 ft of hood.**
507.1.7: performance test after install, before final. Capture and containment verified visually with smoke/steam under real conditions — appliances hot, makeup on, space HVAC on.

The fail we see first

No interlock narrative, no capture-test note. Or a residential range used commercially still sitting on 505. Or a water heater in the same room as a Type I hood.

What to send: how the Type I fan starts (auto, interlock, or sensor), whether any residential appliance is used commercially, and whether a capture-and-containment test is specified.

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 controls design. Confirm adopted 507.1.1. This is not legal advice.