



A Type I hood on the plan still fails in the field at the filter, the gutter, the NET exhaust, or the suppression. Grease filters listed to UL 1046, height above the cooking surface, 45-degree mounting with a drip tray, gutters that drain to a cleanable receptacle, NET cfm, and an approved automatic fire-suppression system per IBC 904.13 and the IFC.

Original Masterbuild PE packet from Daily Code Talk on 2024 IMC 507.2.8–507.2.11. Confirm the adopted edition. Distinct from 507.2 construction and 508 makeup. This is not a hood or suppression design.

☐ **507.2.8: UL 1046 listed/labeled grease filters, access for cleaning/replacement. Table 507.2.8 minimum height from cooking surface**

507.2.8.2: filters minimum 45 degrees from horizontal plus a drip tray under the lower edge. 507.2.9: grease gutters drain to an approved collection receptacle with access for cleaning.

☐ **507.2.10 NET exhaust = total exhaust minus any air supplied directly to the hood cavity. Mixed-duty appliances under one hood**

Minimum NET cfm per linear foot from Daily Code Talk: extra-heavy wall 550 / single island 700 / double island 550 per side; heavy wall 400 / single island 600 / double island 400 per side / backshelf 400; medium wall 300 / single island 500 / double island 300 per side / backshelf 300 / eyebrow 250.

☐ **507.2.11: Type I hoods require an approved automatic fire-suppression system per IBC 904.13 and the IFC. Coordinate it with the fire protection engineer.**

On the set: hood schedule with duty class, total cfm, NET cfm, UL 1046. Elevation: filter height and 45° with drip tray.

The fail we see first

Charbroiler under a filter 6 inches off the grate. Mixed duty sized to the steam table. NET cfm not shown because makeup is dumped into the hood. Suppression “by others” with no IBC 904.13 path.

What to send: the cooking lineup (including any charbroiler or wok), the hood cut sheet, whether makeup air is supplied into the hood cavity, and who is carrying suppression.

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 hood or suppression design. Confirm adopted 507.2.8. This is not legal advice.