



If a Type I grease duct punches a ceiling, wall, floor, or any concealed space, IMC 506.3.11 wants it enclosed from that penetration to the outlet. The enclosure serves a single grease duct — no other trades inside. Rating: not less than the penetrated assembly and not less than 1 hour. No fire or smoke dampers in grease ducts. A wrap that only covers the tight spots is not an enclosure.

Original Masterbuild PE packet from Daily Code Talk on 2024 IMC 506.3.10–506.3.12. Confirm the adopted edition. Distinct from 506.3 construction and 607.5.5 prohibited dampers. This is not an enclosure design. Exception: no enclosure if it only penetrates a non-rated roof/ceiling assembly.

- ☐ **506.3.10 underground: 16 ga steel with corrosion coating or 18 ga stainless. Test per 506.3.2.5 before coating or burial.** F
506.3.11: enclose from the penetration to the outlet. Inline fans that are not outdoors are enclosed too.
- ☐ **506.3.11.1 shaft: IBC shaft construction. Clearances 18 in to combustibles; 6 in to noncombustible / gypsum on noncomb**
506.3.11.2 field-applied wrap: listed/labeled system evaluated for grease-duct enclosures (ASTM E2336). Continuous coverage to the outlet. Penetrations: listed firestop (ASTM E814 or UL 1479) with F and T ratings matching the assembly. No spot wrapping just to reduce clearance.
- ☐ **506.3.11.3 factory-built enclosure: listed assemblies (UL 2221) per listing.**
506.3.12: a cleanout in a rated enclosure needs a matching fire-rated access panel at each cleanout.

The fail we see first

Wrap only at the tight joists. Or a fire damper “to be safe” in the grease shaft. Or a cleanout behind gypsum with no rated access panel.

What to send: where the grease duct punches a ceiling or shaft, whether wrap or a shaft is proposed, and whether cleanouts in that enclosure have rated access panels.

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.

masterbuildconsulting.com/send/

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

Masterbuild provides engineering services under a written scope. Not an enclosure design. Confirm adopted 506.3.11. This is not legal advice.