



Grease duct is not “whatever steel is on the truck.” 16 gage steel or 18 gage stainless (or listed UL 1978 factory-built), continuous liquid-tight welds, 500 fpm minimum, 18 in to combustibles when no enclosure is required, and a leakage test — light test and water spray — before shaft, wrap, or coatings hide the joints.

Original Masterbuild PE packet from Daily Code Talk on 2024 IMC 506.1–506.3.6. Confirm the adopted edition. Distinct from 506.3.13 termination and 507.2 hood construction. This is not a grease-duct design.

- ☐ **506.3.1: steel minimum 0.0575 in (16 ga) or stainless 0.0450 in (18 ga). Exception: listed factory-built grease duct (UL 1978)**
506.3.2: continuous liquid-tight weld or braze. Joints: butt, welded flange, or telescoping/bell overlap — no ledges that trap grease. Duct-to-fan: flanged, gasketed, bolted; gaskets/sealants rated for continuous 1500°F.
- ☐ **506.3.2.5: test before concealment. Put “TEST PRIOR TO CONCEALMENT” on the drawings so the inspection is not missed.**
506.3.3: noncombustible supports. No fasteners penetrating duct walls. 506.3.4: minimum 500 fpm (short transitions up to 3 ft can be exempt if shaped to avoid grease traps).
- ☐ **506.3.5: separate grease duct per Type I hood unless same story, same or adjoining rooms, no rated penetrations, and no enclosure.**
506.3.6 when no enclosure is required: 18 in to combustible construction; 3 in to noncombustible construction and gypsum on noncombustible framing. Exceptions for UL 1978, listed equipment, or listed wrap evaluated to ASTM E2336.

The fail we see first

Wrapped before the light test. Or 18 ga carbon steel. Or a slip-joint that traps grease. Or 18 in clearance drawn with no enclosure strategy.

What to send: the grease-duct material/gage (or UL 1978 listing), whether wrap or a shaft is proposed, and whether a test-before-concealment note is on the set.

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 a grease-duct design. Confirm adopted 506.3. This is not legal advice.