



Outdoor-air intakes that terminate outside must have corrosion-resistant screens, louvers, or grilles sized per Table 401.5. In hurricane-prone regions the louver itself has to show AMCA 550 for the exact model and size. AMCA 500-L is not AMCA 550.

Original Masterbuild PE packet from Daily Code Talk on 2024 IMC 401.5–401.6. Confirm the adopted edition. Distinct from 401.4 intake location and from 501.3.2 exhaust screens. This is not a free-area calc.

☐ **Table 401.5: residential — not less than $\frac{1}{4}$ in and not more than $\frac{1}{2}$ in. Other occupancies — greater than $\frac{1}{4}$ in and not more than $\frac{1}{2}$ in.**

Use the short side for rectangles, the diameter for rounds, any side for squares. Verify actual mesh/slot, not the nominal brochure size.

☐ **Intakes in exterior walls must also meet IBC exterior-wall opening protectives.**

In hurricane-prone regions, louvers must comply with AMCA 550. Miami-Dade is hurricane-prone — the submittal has to show 550 for that model and size.

☐ **401.6: stationary local sources that produce particulates, heat, odors, fumes, spray, vapors, smoke, or gases in irritating quantities.**

Discharge directly to an approved exterior location. Never into general return or relief. Process exhaust does not go into return.

The fail we see first

Wrong mesh, no AMCA 550 where required, missing IBC opening-protective note, and routing process exhaust to return. Keep screens removable. Louvers drain away from the wall.

What to send: the louver submittal (opening size and AMCA marks) and occupancy (residential vs other).

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 louver selection. Confirm adopted 401.5. This is not legal advice.