

SMACNA duct construction

Sheet Metal and Air Conditioning Contractors' National Association

SMACNA guidance is the fabrication and installation reference for sheet metal: what gauge the duct should be for its pressure class, how seams and joints are made, how it is hung, and how leakage is measured.

What it covers

- Gauge and reinforcement by pressure class
- Seam, joint and connection construction
- Hanger type and spacing
- Duct leakage testing methods

What a field inspection looks at

- Hanger spacing photographed along a run, not at one convenient point.
- Leakage test recorded with the instrument reading in the shot.
- Flexible connections and transitions photographed before ceiling close-in.

Adoption varies by jurisdiction. Confirm the edition your authority having jurisdiction enforces before you run a walk against it.