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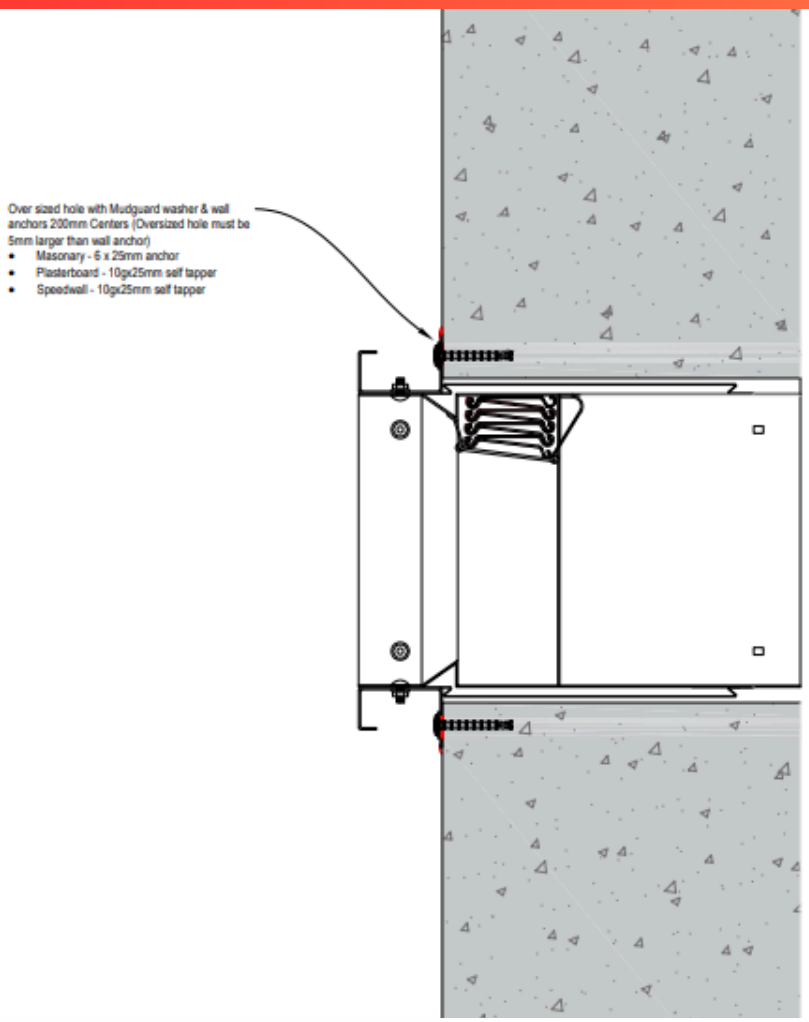
BOLT FROM ACCESSABLE SIDE 4900 FIRE DAMPER INSTALLATION GUIDE



3.2.7 Allowable installation variations

Where a particular design of fire damper is intended for use in all types of building elements, the prototype fire damper shall be tested in a building element that, in the opinion of the testing authority, is least compatible with the fire damper to indicate its potential when mounted in other types of building elements.

Unless another method of installation is intended, the casing shall completely penetrate the wall and shall be retained—

(a) on both sides by means of flanges in such a manner that it can expand in a fire without distorting the blades in a closed position; or

(b) on the accessible side by means of flange(s) on only one side of the building element, which can be fixed to the fire damper and to the wall through oversized holes and retaining washers to allow expansion.

Mounting flange(s) shall be butted against the face of the wall and fixed to the fire damper casing. The width of the angle section of the flange shall be not less than twice the clearance between the fire damper body and the penetration.

1. INITIAL DAMPER TEST Before installing damper into certified wall system, check damper's closing operation. This can be achieved by placing the damper in an upright position. Hold blade stack whilst removing UL33 rated fusible link. Let the curtain blade stack fall. Gather blades up and return fusible link to its original position
2. Ensure the wall penetration is the correct size. Refer to AS1682.2-1990 Appendix 'C'
3. Remove flange screw/bolts from one side and detach the flanges from damper casing
4. Slide damper with metal seal attached into penetration
5. Apply 2x beads of FR sealant (one on each face), however, they may be installed, in the back of the track, at the tip of each flange, or a mixture of both.
6. Replace flanges making sure damper is fixed firmly within the wall. NOTE: Do not overtighten flange screw/bolts.
7. Repeat INITIAL DAMPER TEST - "POINT #1".
8. Connect ductwork to fire damper using fire resistant mastic to fill recess if using raw edge connection, or apply mastic to both surfaces of the TDF/TDC flange connections. (Bolts must be of a low melting point material). Refer to AS4254/AS1668 Standards if required.