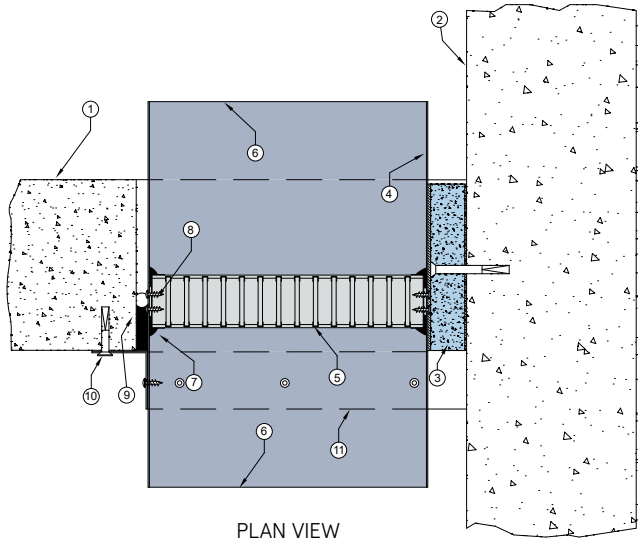
WALL 5 DUCT TIGHT TO WALL

FIRE RATED MASONRY / CONCRETE WALL SYSTEM

	DESCRIPTION
1	Masonry or concrete wall (minimum 90mm or thicker).
2	Adjacent masonry or concrete wall.
3	100mm wide x min 25mm thick non-combustible block bedded in intumescent sealant and running across width of aperture. Block mechanically fixed to wall with expanding steel anchors.
4	Z275 galvanised steel damper casing 0.6mm minimum thickness.
5	Lorient LVH44 intumescent fire damper.
6	Casing terminates with breakaway joints, as per AS1682.2.
7	Fire damper perimeter sealed with Lorient intumescent sealant.
8	Fire damper fixed to casing with 2 x steel screws (100mm centres).
9	Gap between casing and aperture filled with Lorient intumescent sealant. Backing rod used as required to control sealant fill depth to at least 50mm. Maximum annular gap between casing and wall 25mm.
10	Angles fixed to wall with steel masonry anchors at 150mm centres or at least 2 per side.
11	0.6mm (min) Z275 galvanised steel angles to all three sides. Angle dimensions shall be continuous and at least 2 x the dimension of the gap between the damper casing and the penetrated element. Each angle fixed to damper casing with steel fasteners at 150mm centres or at least 2 per side.



PLAN VIEW

LVH44 in steel casing penetrating fire rated Masonry / Concrete wall

FRL -/120/30 (up to 1200mm x 600mm)

Fire Resistance in accordance with

AS1530.4 2014

Approval Ref

EXOVA EWFA 33233400

Max single cell size

600mm x 600mm

Max modular size

600mm x 1200mm / 1200mm x 600mm

INSTALLATION INSTRUCTIONS

- Prepare the wall opening to accept the fire damper and install in wall, as shown in system detail.
- Non-combustible block is fixed to wall, as per point 3.
- Lorient intumescent sealant liberally applied to block and duct containing damper is positioned and pushed up tight to packing block.
- Firestop the gap between the casing and wall with Lorient intumescent sealant, note fill details in point 9.
- 3 off perimeter angles are mechanically fixed to casing with steel self drilling screws or pop rivets and fixed to wall with masonry anchors, as detailed in point 10.
- Ductwork shall be connected with breakaway joints, as per point 6.
- Ensure product identification labels are conspicuously positioned for easy identification.
- Ensure convenient access is provided to allow for AS1851 inspection and maintenance routines.
- **Note: Damper casings, angles and fixings supplied by others.**