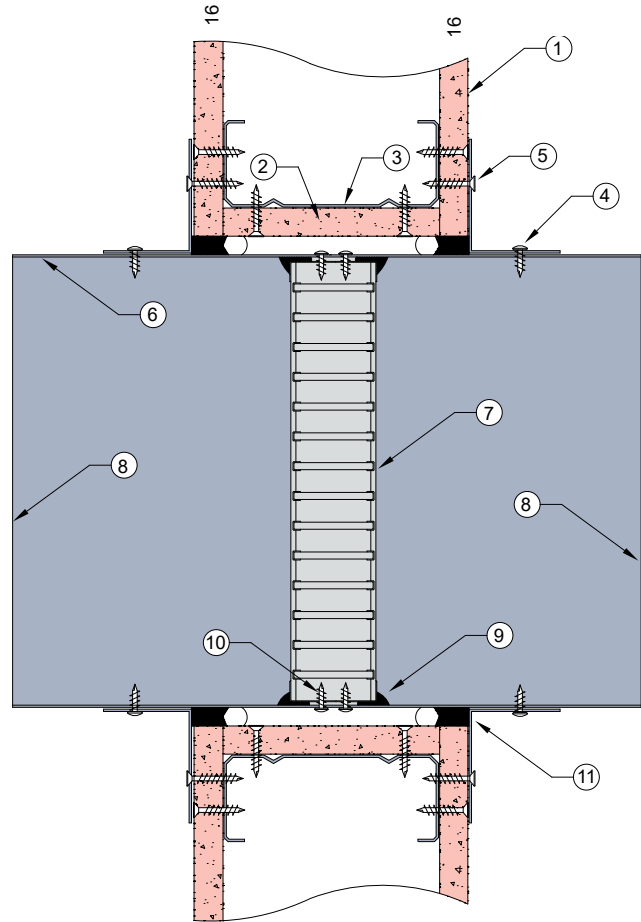


STUD WALL 3

FIRE RATED PLASTERBOARD WALL SYSTEM

DESCRIPTION

- 1 16mm fire rated plasterboard.
- 2 16mm fire rated plasterboard lining aperture.
- 3 Steel stud framing out aperture.
- 4 Angles fixed to steel framing at 150mm centres or at least 2 per side.
- 5 0.6mm (min) Z275 galvanised steel angles to all four 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.
- 6 Z275 galvanised steel casing minimum thickness 0.6mm.
- 7 Lorient LVH44 intumescent fire damper screw fixed into casing.
- 8 Casing terminates with breakaway joints, as per AS1682.2.
- 9 Fire damper perimeter sealed with Lorient intumescent sealant.
- 10 Fire damper fixed to casing with 2 x steel screws (100mm centres).
- 11 Gap between casing and aperture filled with Lorient intumescent sealant. Backing rod used as required to control sealant fill depth to at least 25mm. Maximum annular gap between casing and wall 25mm.



LVH44 in steel casing penetrating fire rated Plasterboard wall

FRL -/90/30

Fire Resistance in accordance with

AS1530.4 2014

Approval Ref

EXOVA EWFA 33233400

Max single cell size

600mm x 600mm

INSTALLATION INSTRUCTIONS

- ▶ Line out the wall opening to accept the fire damper, as shown in this system detail.
- ▶ Centralise the damper casing and firestop the gap between the casing and wall with Lorient intumescent sealant, see point 11 for fill details.
- ▶ Perimeter angles are mechanically fixed to casing with steel self drilling screws and to wall with appropriate length needle point drywall screws, as detailed in points 4 & 5.
- ▶ Ductwork shall be connected with breakaway joints, as per point 8.
- ▶ 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.**