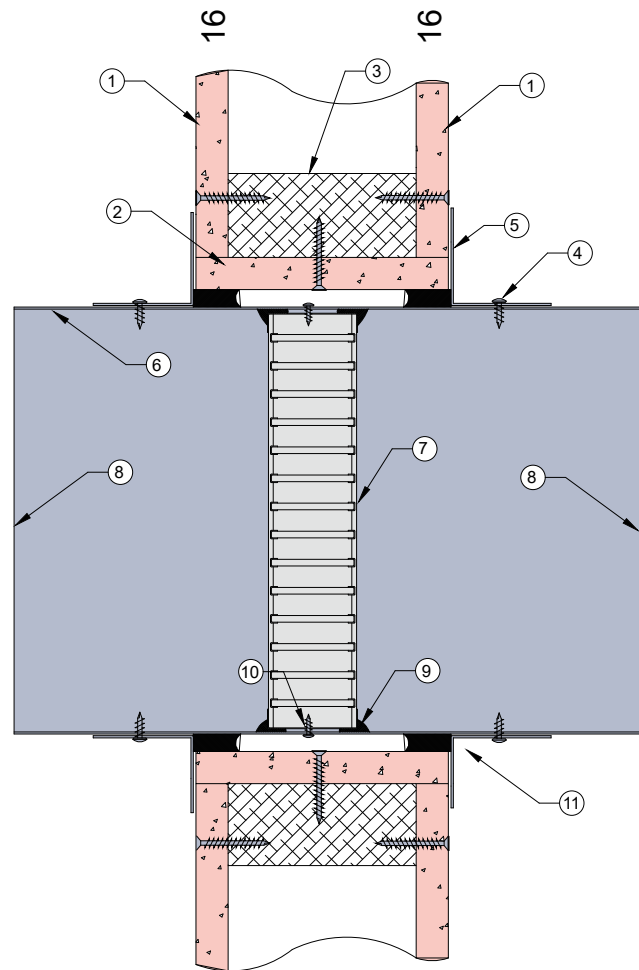


# TIMBER STUD WALL 15

## FIRE RATED PLASTERBOARD WALL SYSTEM

### DESCRIPTION

- 1 16mm fire rated plasterboard.
- 2 16mm fire rated plasterboard lining aperture.
- 3 Timber stud / noggin min 70mm thick.
- 4 Angles fixed to casing 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 steel screws.
- 11 Gap between casing and aperture filled with Lorient intumescent sealant. Backing rod used as required to control sealant fill depth. Maximum annular gap between casing and wall 25mm.



### LVH44 in steel casing penetrating fire rated Plasterboard wall

### FRL Up to -/90/60

#### Fire Resistance in accordance with

AS1530.4 2014

#### Approval Ref

EXOVA EWFA 33233400

#### Max single cell size

450mm x 450mm

### 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.