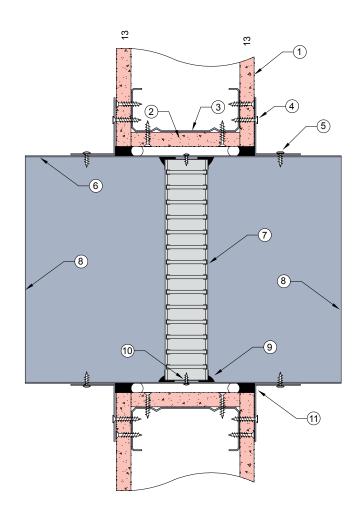
## STUD WALL 8

# FIRE RATED PLASTERBOARD WALL SYSTEM

#### **DESCRIPTION**

- 1 13mm fire rated plasterboard.
- 2 13mm 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 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 -/60/-

Fire Resistance in accordance with

AS1530.4 2014

**Approval Ref** 

CSIRO FCO 3149

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
- ▶ 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.



FIRE RATED PLASTERBOARD WALLS