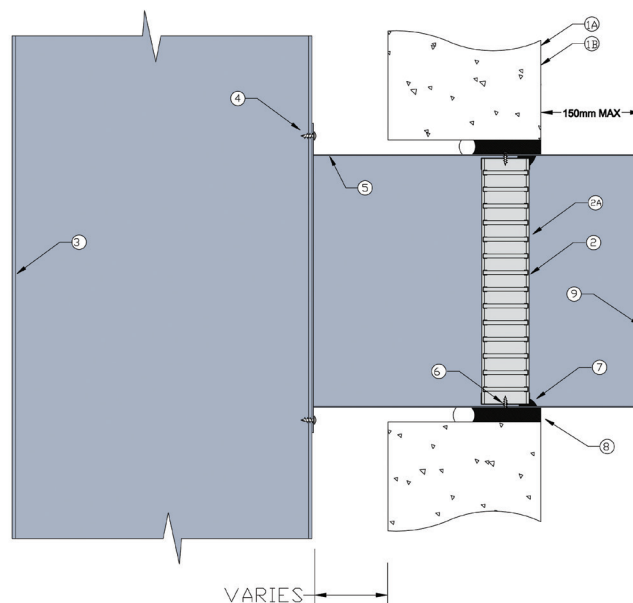


SHAFT WALL ANGLE FREE 1

FIRE RATED MASONRY / CONCRETE SHAFT WALL SYSTEM

DESCRIPTION

1A	Masonry or concrete wall minimum 90mm thick.
1B	
2	Lorient LVH44 intumescent fire damper.
2A	Lorient LVH44C intumescent fire damper.
3	Protected sheet metal riser.
4	Horizontal branch connected to riser with steel fixings or pop rivets.
5	Z275 galvanised steel branch min thickness 0.6mm.
6	Fire damper fixed to casing with steel screws.
7	Fire damper perimeter sealed with Lorient intumescent sealant.
8	Gap between casing and aperture filled full depth with Lorient intumescent sealant. Maximum annular gap between casing and wall is 25mm.
9	Casing terminates with breakaway joint as per AS1682.2.



**Angle free LVH44 or
LHV44C in steel casing
connected to sheet
metal riser penetrating
fire rated Masonry or
Concrete shaft wall**

FRL Up to -/120/60

**Fire Resistance in
accordance with**

AS1530.4 2014

Approval Ref

EXOVA EWFA 33233400

Max single cell size

450mm x 450mm or
450mm diameter

INSTALLATION INSTRUCTIONS

- ▶ Measure and mark the position of the damper in the horizontal branch, ensuring that it will be aligned within the shaft wall once the branch is attached to the riser and the shaft wall is constructed.
- ▶ Fix damper into branch with steel screws (point 6) and seal perimeter with Lorient intumescent sealant (point 7).
- ▶ Mechanically fix the branch to the vertical riser with steel screws or pop rivets (point 4).
- ▶ Once shaft wall has been constructed, firestop the gap between the casing and the wall with Lorient intumescent sealant – note fill depth details in point 8.
- ▶ Ductwork shall be connected with breakaway joints, as per point 9.
- ▶ Ensure product identification labels are conspicuously positioned for easy identification.
- ▶ Ensure convenient access is provided to allow for AS1851 inspection and maintenance routines.
- ▶ **Note: Branch / casing and fixings supplied by others.**