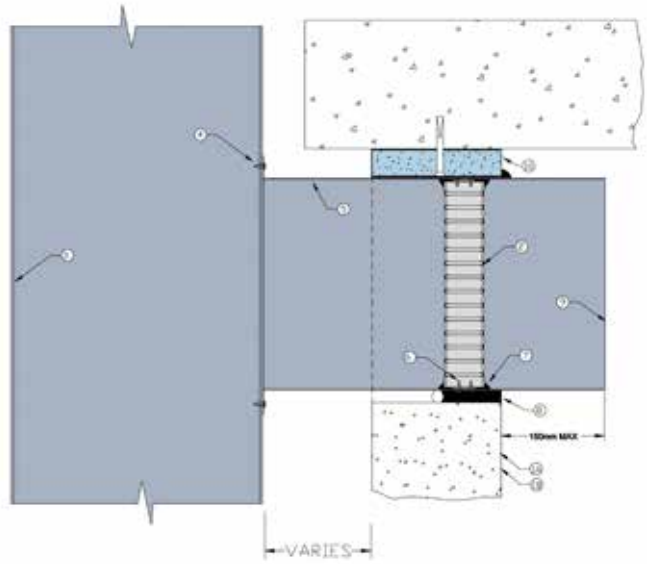
SHAFT WALL ANGLE FREE 8 TIGHT TO SLAB

FIRE RATED MASONRY / CONCRETE SHAFT WALL SYSTEM

	DESCRIPTION
1A 1B	Masonry or concrete wall minimum 90mm thick.
2	Lorient LVH44 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 2 x steel screws (100mm centres).
7	Fire damper perimeter sealed with Lorient intumescent sealant.
8	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 is 25mm.
9	Casing terminates with breakaway joint as per AS1682.2.
10	100mm wide x 50mm thick TBA Firefly Intubatt or non-combustible block running full width of aperture. Bedded in Lorient intumescent sealant and mechanically fixed to slab with steel expanding anchors.



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

FRL -/120/30

Fire Resistance in accordance with

AS1530.4 2014

Approval Ref

EXOVA EWFA 33233400

Max single cell size

600mm x 600mm

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.
- Fix damper into branch with steel screws (point 6) and seal perimeter with Lorient intumescent sealant (point 7).
- Measure branch width and cut to corresponding length, bed and mechanically fix the Intubatt block into position so that it will create the top edge of the aperture once the shaft wall is constructed.
- Liberally apply Lorient intumescent sealant to Intubatt or non-combustible block then position & mechanically fix the branch to the vertical riser with steel screws or pop rivets (point 4) ensuring that the top edge of the duct branch is hard up against the Intubatt block and all gaps are filled full depth with intumescent sealant.
- Once shaft wall has been constructed firestop the remaining 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 fixing supplied by others.**