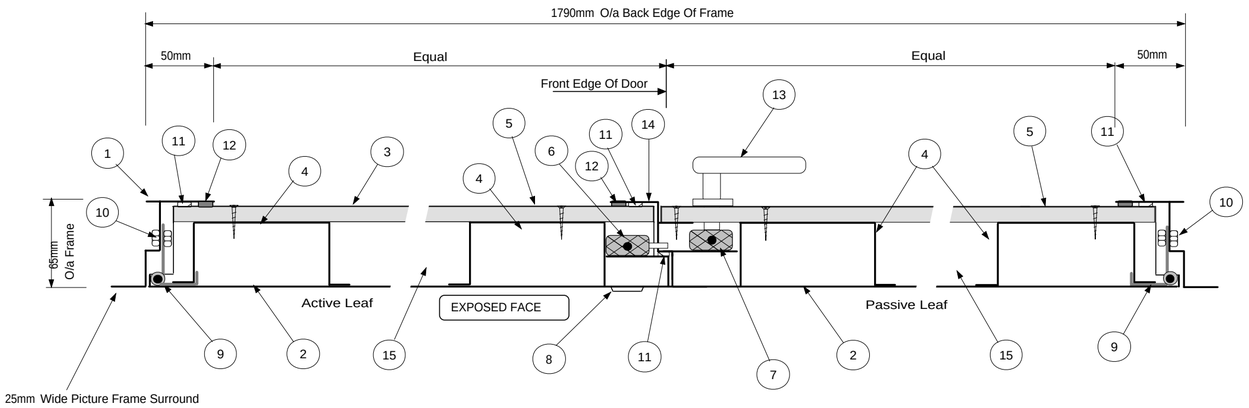
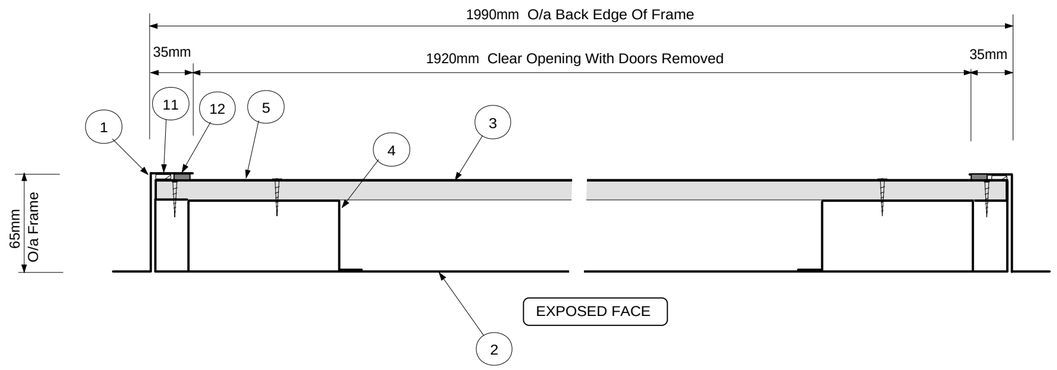
Issue 2. 17/05/2007. Increase in Stiffener Thickness.
Change Of Insulation Infil.

Issue 3. 22/05/2007. Tamper Proof Lock removed &
replaced with metal escutcheon.



Section Showing Hinge & Locking Systems



Longitudinal Section Through Access Panel

BRE FIRE TEST - 23/05/2007.	Date: 03/05/2007	DO NOT SCALE
	Drawn By: T.Beasley	Issue 2. 17/05/2007.
	Drawing No. 030507/TB/01	Issue 3. 22/05/2007.
	Sheet 1 of 1	

Fire Proofing Services Ltd, Evolution House, Aston Road, Nuneaton, Warwickshire. CV11 5EL.
Tel: + 44 (0)24 7637 2598. Fax: +44 (0)24 7637 0875.

BRE FIRE TEST - 23/05/2007.	Date: 03/05/2007	DO NOT SCALE
	Drawn By: T.Beasley	Issue 1.
	Drawing No. 030507/TB/02	
	Sheet 1 of 1	

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Key To Drawings :

1. Access panel frame manufactured from 1.2mm thick Zintec steel sheet (BS EN 101522003). The 25mm wide picture frame surround was mitred at each corner.
2. Access panel door tray manufactured from 1.2mm thick Zintec steel sheet (BS EN 101522003), cut and folded to dimensions shown.
3. 12.5mm thick Lafarge Megadeco wallboard (BS EN 1363) factory screw fixed to the rear of the door tray using 32mm drywall screws.
4. 1.5mm thick Zintec steel stiffener (BS EN 101522003) welded to rear face & centre of door tray. Size 15mm x 48mm x 100mm x 48mm
5. 1.2mm thick Zintec steel (BS EN 101522003) rear protection plate screw -fixed to rear of each door (with 12mm deep return edge).
6. Emka 3-point locking system (see enclosed detail) with central lock operating 8mm diameter rods which lock into frame top and bottom. The rods are secured to the door tray with 4No. lock guides.
7. Emka 2-point locking system (see enclosed detail) with central lock operating 8mm diameter rods protruding 22mm into frame top and bottom. The rods are secured to the door tray with 4No. lock guides.
8. Swivel lidded Metal Escutcheon screw fixed over lock hole (Albert Jagger Ref: 2296/002).
9. Galvanized steel continuous hinge welded to door tray and bolted to frame using M6 bolts and nuts with washer.
10. M6 bolts welded to panel frame at 50mm in from edges and 300mm centres thereafter. Door tray secured to frame using M6 nuts and washers.
11. 10mm wide x 4mm deep self adhesive polypropolene (flexible foam grey) smoke seal strip along inside locking edge of frame.
12. 2No. 10mm wide x 2mm thick self adhesive intumescent (BS 476, Part 1) glazing strip (Envirograph Ref: G10/10) fitted around inside edge of frame and rear edge of door tray (see drawing).
13. Chrome Handle (Albert Jagger Ltd, Ref: 4222/101) with 8mm square bar fixed to 2-point locking system, screw fixed to rear of door tray(see drawing).
14. 1.5mm thick Zintec steel (BS EN 101522003) backing plate 35mm wide forming overlap of leaves.
15. 50mm Thick Superwool 607 Blanket insulation (Thermal Ceramics) within door cavity.

FIRE TEST PANEL DESCRIPTION
Double Door Wall Access Panel

Access Panel Door Tray

Each door tray consisted of a 1.2mm thick Zintec Steel skin, strengthened with pre-formed 1.5mm thick vertical and horizontal stiffeners welded to the sides, centre, and top and bottom edges of each door tray (see drawing and key).
A 12.5mm thick Lafarge Megadeco wallboard & Zintec steel backing plate was screw-fixed to the rear of each door tray using 32mm drywall screws.
The door cavity space between the Lafarge Board and inner face of door tray was filled with 50mm thick Superwool 607 Insulation.
The door hinge consisted of a 1.5mm thick mild steel continuous hinge welded to the inside face of the door tray, which was fitted to the panel frame using M6 bolts and nuts with washers.
The main locking device was a 3-point locking system using 8mm diameter rods locking into the frame top and bottom, with a central lock on the locking side. A swivel lidded escutcheon was fitted to the central lock hole. The passive door was locked from the rear using a 2-point locking system complete with a chrome handle.
The passive door was fitted with a 'Z' section rear backing plate(see drawing - 14).
16mm Diameter white plastic dome plug spacers were inserted into two holes top and bottom of each door tray edge. Holes positioned approx 100mm in from door sides.
Polypropylene smoke seals were fitted to the inside of the rear flanges on the frame and central backing plate (see drawing).

Access Panel Frame.

This consisted of a 1.2mm thick Zintec Steel section with M6 bolts welded to the hinge side 50mm in from each edge and then at 300mm centres. The 25mm wide front flange was mitred in each corner.
The panel frame had a polypropylene continuous smoke seal & Intumescentstrip around the inside rear flange.