Datasheet

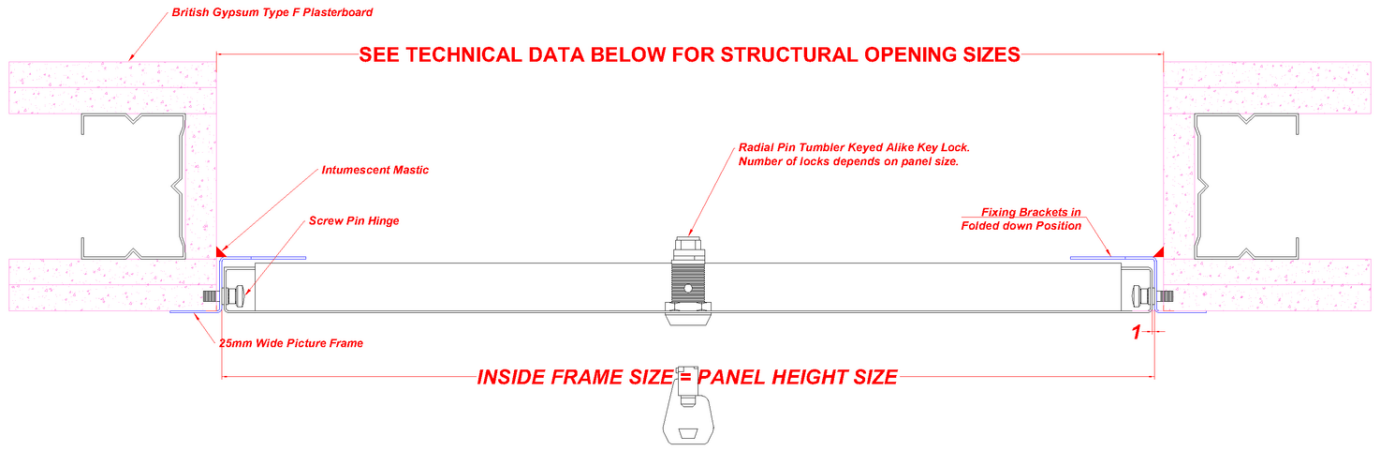
R01/120/MD/PF/L16A/RLIG

Description

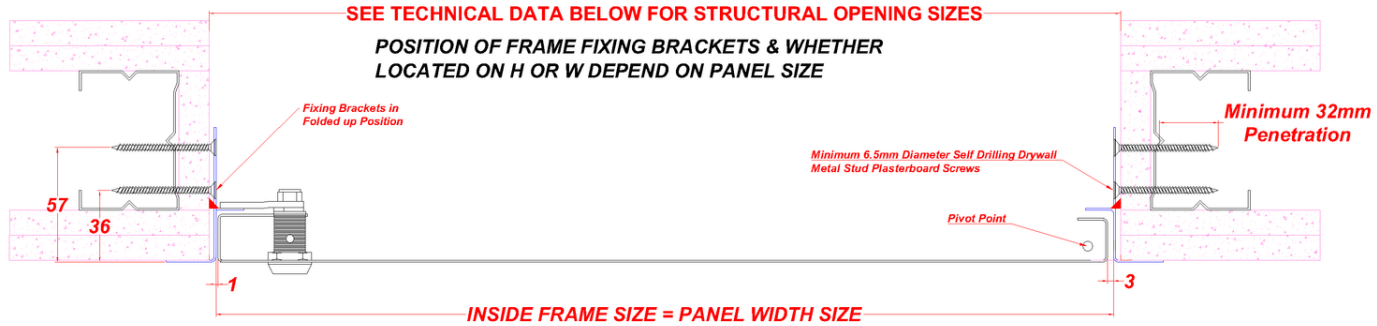
Metal Faced Dual Purpose Shallow Access Panel with extending fixing tabs, 2 Hour fire rated, Metal Door, 25mm wide Picture Frame, Suited Castellated Tamper Proof Key lock, Single Door Unit, Reduced Ligature Access Panel, Powder Coated RAL 9010 30% Gloss.

PRODUCT TYPE	FIRE RATING	SMOKE TESTED	DOOR TYPE	FRAME TYPE	MASTER LOCK TYPE	SECONDARY LOCK TYPE	NUMBER OF DOOR LEAVES	AIRTIGHT RATED	ACOUSTIC RATED
	2hr	N/A				N/A	1D	N/A	N/A

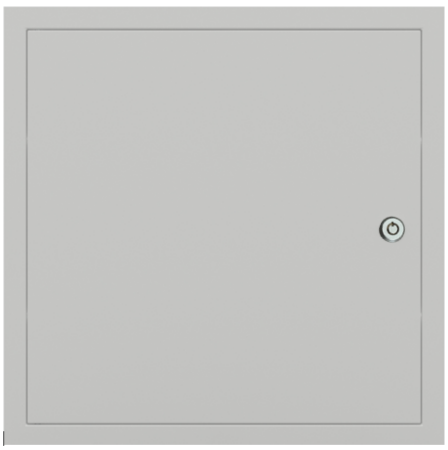
Section Drawing Height (H)



Section Drawing Width (W)



Indicative Product Images (Colour and door handing may differ from that shown)



Technical Data	
Wall or Ceiling or Both (Dual)	Dual
Fire Rating	• 2 Hour Fire Rated
Fire Test Standard	• BS 476: PART 22: 1987
Fire Performance Rating	• Integrity (E)
Fire Tested Side	• Wall application Face (Room Side / opening towards the fire risk side) • Ceiling application Face (Room Side / opening down towards the fire risk side)
Fire Tested Size H x W mm	1200x600mm
Assessed Maximum Panel Sizes	Up to 15% increase in height, 15% width and up to 20% area.
Size range: Minimum to maximum (H × W mm). Fire Rated Panels: See assessed maximum panel sizes for allowable increases.	150x150mm up to 600x600mm
Smoke Tested	No Rating
Airtightness Tested	No Rating
Acoustic Tested	No Rating
Corrosion class C1, C2, C3, C4	C1 - Very Low: Exterior: Not suitable for outdoor use. Interior: Heated buildings with clean atmospheres, e.g. offices, shops, schools, hotels.
Important Safety Notice	• Reduced ligature features minimise, but do not eliminate, risk and are not a substitute for supervision or additional protective measures. • We do not market any products as “ligature-free” and accept no liability for ligature attachment on our hatches or panels.
Flexible Wall Types	• The wall type shall provide a suitable medium to permit adequate fixity. • Other rated wall constructions, not listed below, may also be acceptable, subject to expert advice from a qualified fire consultant • Plasterboard clad partitions • Plasterboard clad timber stud partitions (exposed studs are not covered) • Plasterboard clad steel stud partitions (exposed studs are not covered) • The aperture must be lined with either 1No, 2No or 3No. layer(s) of 12.5mm or 15mm thick Type F plasterboard (EN520) • Walls must be supported by fire resistance test evidence confirming they remain in place and intact for at least 120 minutes.
Rigid Wall Types	• The wall type shall provide a suitable medium to permit adequate fixity. • Other rated wall constructions, not listed below, may also be acceptable, subject to expert advice from a qualified fire consultant • Masonry constructions (wall thickness and overall density must be equal to or greater than 140mm thick and 850 kg/m3). • Concrete walls (excluding no fines concrete) (wall thickness and overall density must be equal to or greater than 140mm thick and 850 kg/m3) • Walls must provide fire resistance equal to the doorset’s required performance period.
Shaftwall Types	• Currently not Covered
Mixed Construction Wall Types	• Currently not Covered
Ceiling Types	• Other rated ceiling constructions, not listed below, may also be acceptable, subject to expert advice from a qualified fire consultant • MF Ceiling System
Frame Fixing Types	• Metal Studding: Minimum 6.2mm x 32mm Penetration into the Steel Studding Countersunk Self Drilling Drywall Screws • Masonry: Minimum 7.5mm x 80mm Spax Type Self Drilling Frame Anchor Screws
Frame Fixing Hole Distance back from the Face of the Panel	• 36mm & 57mm

Permitted Gaps Between the Rear of the Frame and the Structural Opening	• 2mm Height x 2mm Width
Permitted Sealants	• Mann McGowan Pyromas A • Rockwool Fire Pro Intumescent Sealant • Fire-tested alternative sealants to BS EN 1363-1 or BS EN 1634-1 for the required fire resistance duration and substrates in this application.
Application of Intumescent Sealants	• Applied Sealing the Rear of the Frame to the Structural Opening
Structural Opening Size	• Panel Height Size + 7mm x Panel Width Size + 7mm
Panel Size Formula H x Wmm	Inside Frame Size
Clear opening size through the installed panel with the door leaf open at 90 degrees	• Panel Height - 50mm x Panel Width - 60mm
Composition / Manufacturing	
Quality Category	Mid Range
Product Design Category	Standard Product
Ironmongery Details	• Radial Pin Tumbler Keyed Alike Key Lock • Screw Pin Hinge, manufactured from Bright Zinc Plated (BZP) steel
Lock Security Level	Grade 3 – Medium to High Security
Frame Architrave Width (e.g. Picture / Beaded Frame)	• 25mm
Frame Steel Thickness	0.9mm
Door Steel Thickness	0.9mm
Door & Frame Material Grade	• Frame: Zintec Steel to BS EN 10152 : 2017 DC01 + ZE 25/25 • Door Leaf: Zintec Steel to BS EN 10152 : 2017 DC01 + ZE 25/25
Frame Depth	27mm
Board Infill Type	• None
Door Insulation Type	• None
Seal Type	• None
Paint Type	• Polyester Powder Coated • RAL 9010 30% Gloss Pure white

Installation Guide

1) Open the door, release the hinge bolts, and lift the door out of the frame.

2) Place the frame in the aperture, ensuring it's 7mm larger than the panel size. Mark the hinge and door retaining pin positions.

3) Remove the frame, drill clearance holes for the marked positions.

4) Fix the frame into the aperture by bending up the frame fixing tabs. Using all fixing holes, ensure it is square and flush with the ceiling / wall. Apply Intumescent Sealant to the rear of the Picture Frame before installation.

5) Refit the door by tightening up the hinge bolts back in position and closing the door. Apply sealant to the frame's rear, nominally 5mm wide sealing to the structural opening.

6) Lock the door with the key, ensuring it is flush with the frame.

Independent bracing or support may be needed for the Access Panels weight.