Sentry Automation Ltd

Steel Shield FL

Fully louvred steel plant room doors

PLANT ROOM ACCESS | **FULLY LOUVRED STEEL** | **DOORS & PANELS**

VENTILATED PLANT ROOM ACCESS

Fully louvred steel doors and panels for external plant room personnel or escape access.

LOUVRED CONSTRUCTION

55mm leaf with 2.0mm louvre blades. Manufacturer states 50% air flow.

SINGLE & DOUBLE DOORS

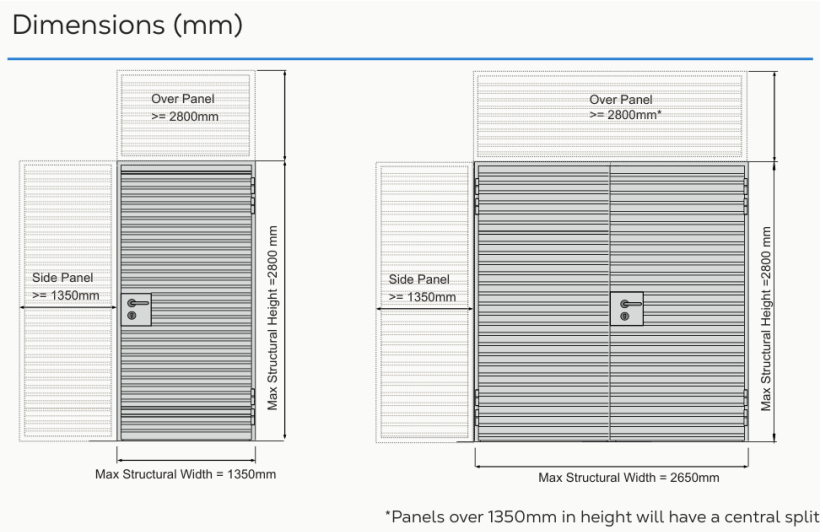
Optional solid, louvred or glazed side and overpanels to suit the opening.

SPECIFIABLE HARDWARE

Mortice locks, cylinder options, hinges, closers and escape devices detailed in full.

EXTERNAL POWDER COATING

RAL or BS 4800 colour references, with the stated finish warranty and conditions.



Single and double door arrangements with optional side and overpanels. Original dimension diagrams retained on the technical page.

Steel Shield FL provides fully louvred steel doors and panels for plant room ventilation and access. Single and double doors can be combined with side and overpanels. Frame profiles, thresholds, lock arrangements and escape hardware can be selected to suit the structural opening and intended use.

55mm	2.0mm	50%
Door leaf thickness	Louvre blade thickness	Manufacturer-stated air flow

Supply only • Installation • Repairs • Planned servicing

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Steel Shield - External Door

Secure perimeter door, ensuring optimum protection from air, wind and water. Provides a secure function for personnel access or means of escape.

Design

55 mm — Door leaf thickness 55mm Bonded

Flush Astragle Sheet thickness 1.2/1,5mm

Main function

Personal Access

Means of Escape

Additional performance characteristics Under 14351-1

Air permeability npd

Water tightness npd

Resistance to wind load npd

Thermal transmittencace (U Value) npd

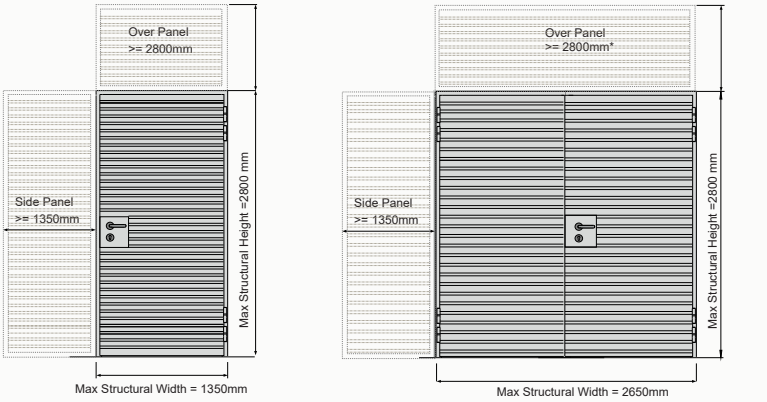
Acoustic performance (dB) npd

Ability to release BSEN 1125 or 179

Security npd

Fire rating NON

Dimensions (mm)



*Panels over 1350mm in height will have a central split

Product description

Description	Steel Shield FL
Type	Steel Fully Louvred Plant Room door
Use	Security door with CE marking for fitting in external walls for use as a Personnel Access or Means of Escape door
CE Marked to	EN 14351-1
Leaf thickness	55mm
Steel thickness leaf	2.0mm
Astragle	Flush strike side
Steel thickness frame	2.0mm
Door leaf leading edge	On strike or meeting edge of leaf
Design	Twin skinned bonded/ mechanical fixed (Non welded) around core
Surface finish	Door leaf and frame magnelis enhanced corrosion steel. PPC to your choice of RAl or BS4800 colour.
Security bolts	12mm dia in between each hinge pair
Core	2.0mm Louvre Blades giving 50% air flow
Over & Side Panels	Available as solid, louvred or Glazed

Finish

In house applied and highly durable external polyester powdercoat to RAL or BS4800 colour reference. 7 year warranty* on finish for adhesion and colour stability.



*C3 non marine environment

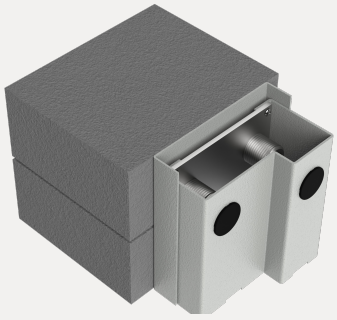
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STEEL SHIELD FL / PLANT ROOM

FRAMES, THRESHOLDS & HARDWARE

Standard frame steel shield

Standard single rebate frame



Frame sheet thickness 1.5mm

Rapid fit, adjustable screw system with expanding sub frame to jambs & head

Surface finish
Magnelis enhanced corrosive resistant steel.

Frame seal

All-round on 3 sides, black.

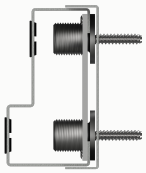
Fitting possible in:

Brickwork/concrete
Gas concrete
Prefabricated wall
Composite Panel, Steel Work

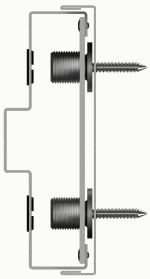
Door Frame Options

Steel shield external doors come with a choice of frames to suit the widest possible structural doorway constructions. As standard they come with the rapid fit "jacking screw" arrangement and adjustable sub frame channels that allow our doors to have the correct tolerance. This ensures simple installation, whilst expanding to fill the structural opening and leave a neat joint ready for mastic to be applied.

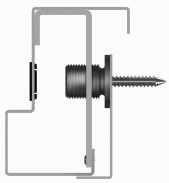
Standard Single Rebate



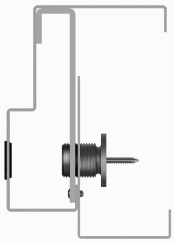
Optional Double Rebate



Optional Single Corner



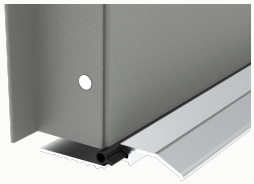
Optional 2 Part Wrap Around



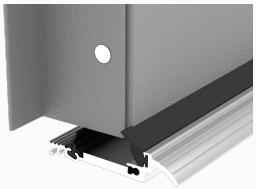
Custom Frames: As well as these standard design solutions our manufacturing and design facilities can deliver custom frames to suit any structural opening detail you need to install our doors into.

Threshold Options

A: 12.5mm High Raised Outward Opening



B: 15mm High Raised Inward Opening



C: 7mm High Sloped Transition



Standard Hardware Fittings

Level handle set	Arrone 800 series DIN standard mortice lock range offering, sashlock, deadlock, nightlatch, latch, toilet lock and escape sashlock. Stainless steel 19mm dia round bar bolt through lever tested to grade 3 BSEN1906 and stainless steel security escutcheon.
Hinges and closing devices	4 No Arrone 8782 stainless steel lift off hinge, Class 14 to BSEN 1935 c/w 15mm security bolt (per pair). ASSA 200, 300 Surface mgt door closer c/w trim plate in silver finish.
Door bottom edge	U-profile to accommodate optional automatic drop seal or concealed floor sweep.
Profile cylinders	Supplied in optional configuration, choose from cylinder & turn, double cylinder, single cylinder. Standard differ supplied for multiple doors. Master key available upon request.
Means of escape devices	BS EN 1125 compliant 300 series from Briton, 376 2 point bolt, 378 single point latch 1413 Lever or Knob outside key access. BS EN 179 compliant 300 series from Briton, 372 2 point panic pad, 1438 single point panic pad. Arrone din std mortice escape sashlock c/w lever handle.

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