

# IDNO APPROVED SUBSTATION DOOR-SETS

AIG LOUVRED BIFOLD DOOR

AIG LOUVRED DOUBLE DOOR

AIG TOP & BOTTOM LOUVRE DOUBLE DOOR

(SUITABLE FOR SECURITY OF ELECTRICAL SUBSTATION BUILDINGS)

## DISTINCTIVE FEATURES

- Finish to any standard RAL colour
- Approximately 70% free airflow
- Stainless steel lift off hinges
- Fully welded construction
- Dual locking Solution

**AIG IDNO approved substation door-sets** is specifically designed for use in locations to meet the requirements and specification of Main UK IDNOs and can be used for security of commercial and industrial applications. The distinctive features of the louvred door-sets combine durability with maximum airflow characteristics, as well as providing a 3-point locking arrangement with dual locking solution.



IDNO  
APPROVED  
SUBSTATION  
SECURITY  
DOOR



01625 526 579



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[www.aigenclosures.co.uk](http://www.aigenclosures.co.uk)

# Door Technical Specification

## Hardware

Each leaf is hung on 3no stainless steel lift off hinges. Passive leaf/leaves incorporate two 16mm sprung barrel bolts. Door stays capable of holding doors open in high winds are fitted at high level.

## Leaf Construction

Door leaves are built with a fully welded 6mm thick angle steel frame incorporating 2.5mm thick profiled louvre blades set at approximately 70mm centres to give a free air measurement of 70%. Galvanized mesh is riveted to inside face of louvre to prevent access by vermin. Optional Double skin 2mm Zintec panel blanks are incorporated to allow a Top & Bottom Louvre configuration.

## Outer Frame Construction

Frame is fully welded 100mm x 50mm box section with a galvanized 10mm threshold. 6no adjustable brackets are welded to the rear of the frame to take AIG fixing straps.

## Louvre Transform

Incorporating optional removable or fixed louvred transom above door-set.

## Handing

Right-hand or left-hand active leaf opening out first when looking from outside.

## Locking Arrangement

AIG 3-point locking arrangement incorporating cranked handles / dual locking via locking bars and lock shroud to receive two padlocks via 24mm dual lock bar. The dual locking arrangement enables two separate parties to gain access independently via their individual padlock.

## Alternative Locking Arrangement:

AIG standard locking arrangement.

(Yale rim cylinder and hinged lockbox to take high security padlock)

## Finish

Supplied inclusive of a polyester powder coated finish. Full range of RAL and BS colours available.

## Top & Side Panel Options:

Bespoke panelled or louvred top or side panels make it possible for the door set to accommodate larger structural openings.

## Suitable Substrate

Structural steelwork, SFS or brick/block work or cast concrete.  
(We can offer bespoke solutions for fixing into other substrates)

## Installation

Fixing Details: 6 no 70 x 5 galvanized FB AIG fixing brackets slotted into jamb sections for bolting into structural opening.

Fixing Bolts: Hex head 8 x 75 concrete fixings for masonry openings.

Same day site installation by our experienced steel door fitting team.

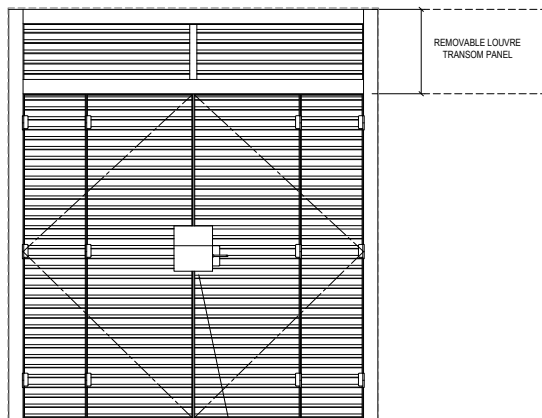
## Upgrades

### Earth Bonding

Boost safety and meet industry standards with our new Earth Bonding upgrade. This feature enhances protection by providing a secure grounding point, offering peace of mind in environments where electrical safety is critical.

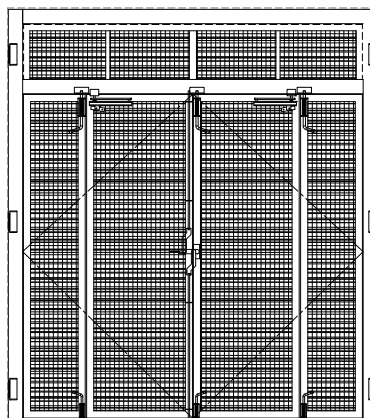
### Louvred Generator Cable Access Latch

Louvred cable access latch can be incorporated to the bottom level of the substation door to allow an emergency power cable to be put into the substation whilst also enabling the substation door to be locked once the supply is in. When not in use the louvred cable access latch is locked from the inside preventing unauthorised access.

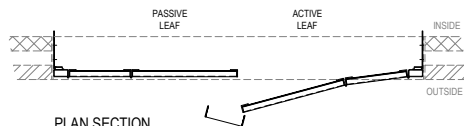
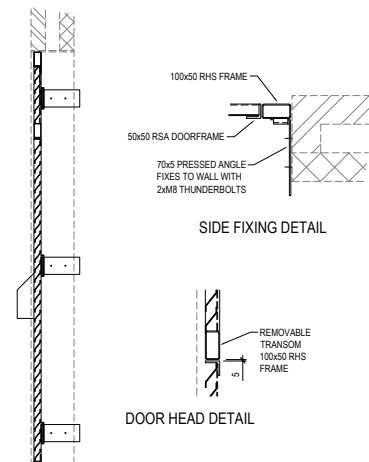


OUTSIDE VIEW

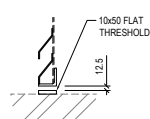
3 POINT LOCKING WITH CRANKED HANDLE  
AND LOCK SHROUD TO TAKE DUAL LOCKING PIN  
(DUAL PADLOCKS)



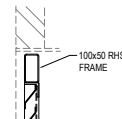
INSIDE VIEW



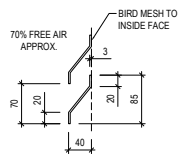
PLAN SECTION



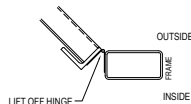
THRESHOLD DETAIL



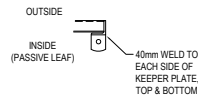
TRANSOM HEAD DETAIL



LOUVRE DETAIL



HINGE DETAIL



SHOOT BOLT DETAIL

## A.I.G. ENGINEERING LTD

Manufacturers of:  
Steel Security Doors & Enclosures  
Steel Roofs, Louvres & Louvre Façades

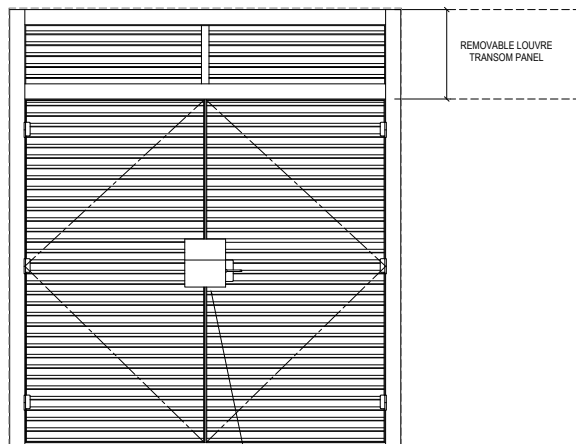
### Sales

Cheadle Place, Stockport Road,  
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AIG Louvred Bifold Door - IDNO Approved Substation Door-Sets.

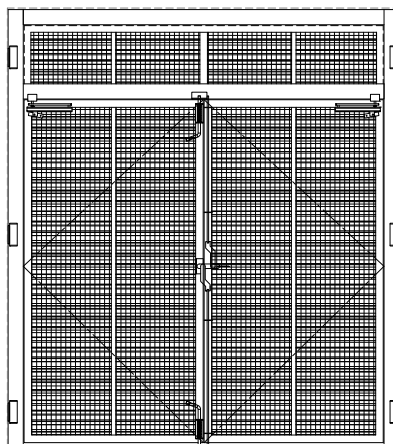
(Manufactured to suit masonry opening 2710mm wide x 2560mm high)

\*Bespoke door-sets can be manufactured, and alternative hardware and ironmongery can be accommodated subject to requirement compatibility and stock availability.(Contact us with your requirements)

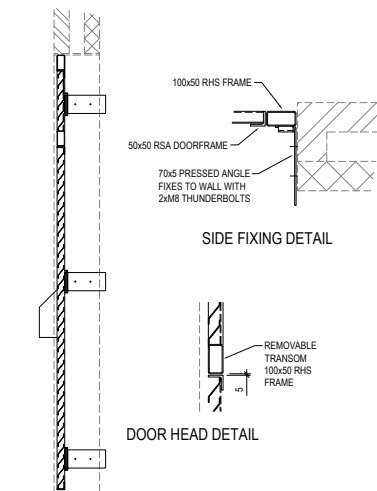


OUTSIDE VIEW

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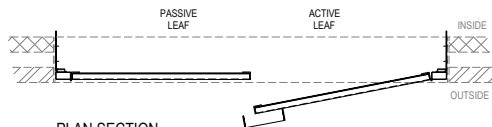


INSIDE VIEW

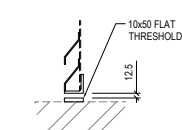


SIDE FIXING DETAIL

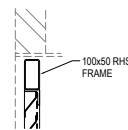
DOOR HEAD DETAIL



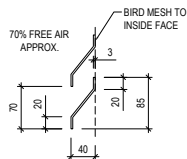
PLAN SECTION



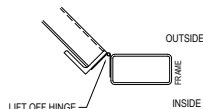
THRESHOLD DETAIL



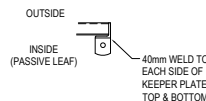
TRANSOM HEAD DETAIL



LOUVRE DETAIL



HINGE DETAIL



SHOOT BOLT DETAIL

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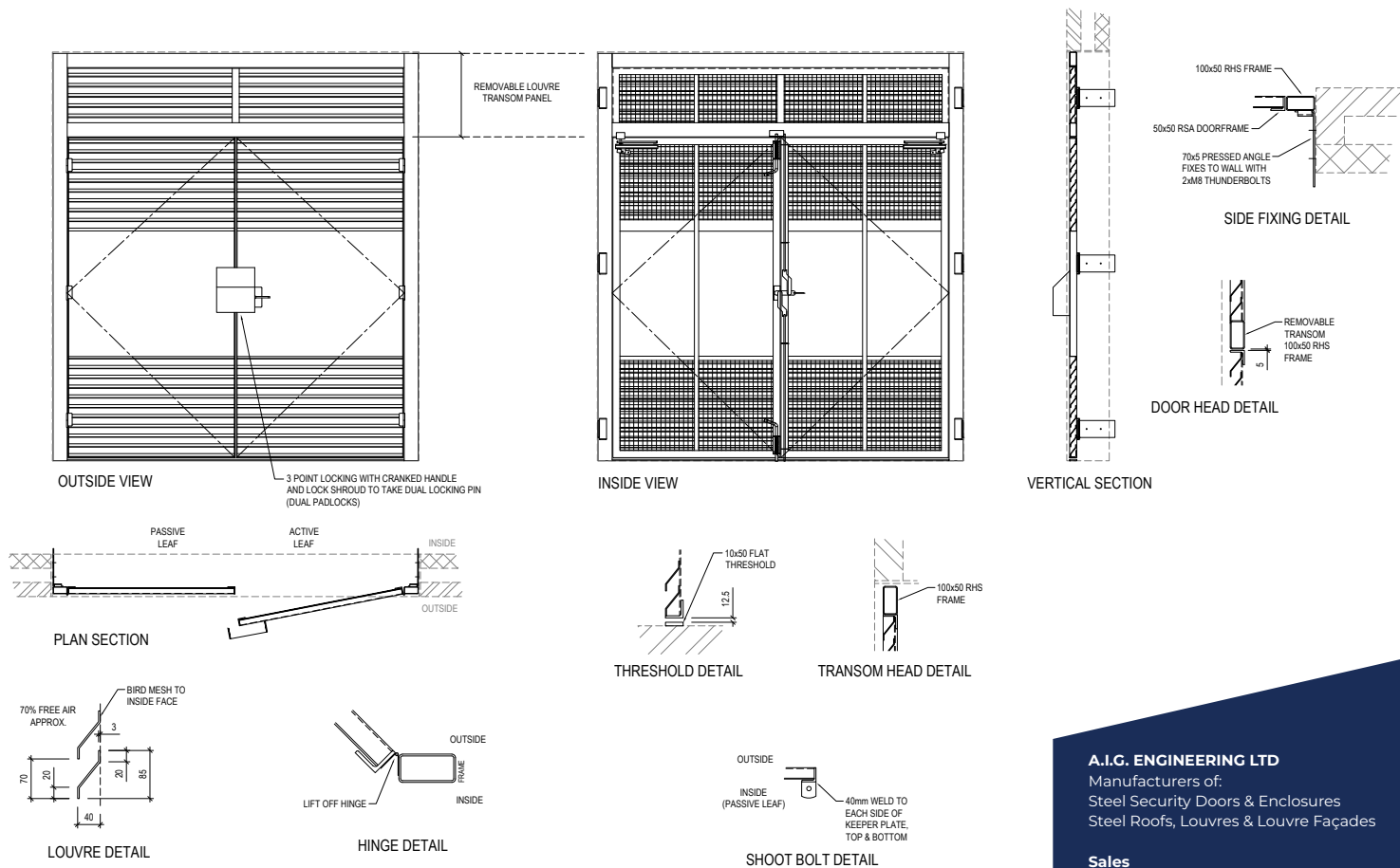
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AIG Top & Bottom Louvre Double Door - IDNO Approved Substation Door-Sets.

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