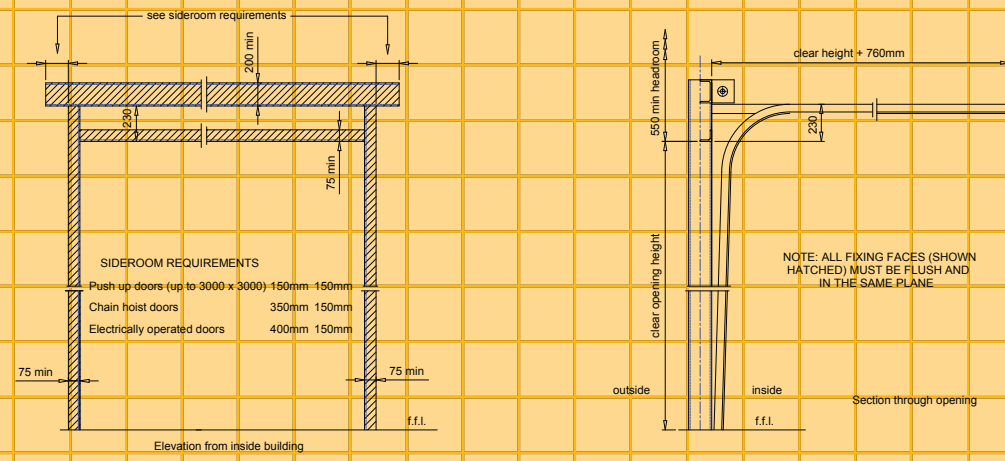


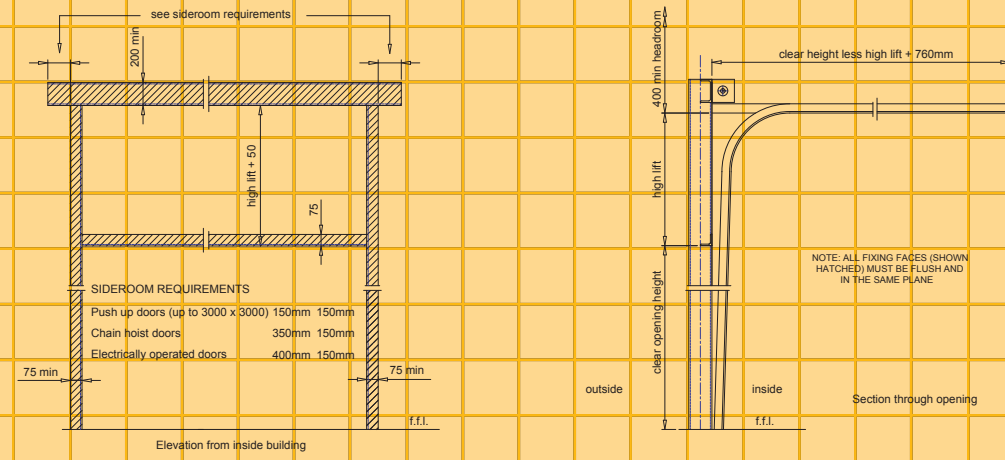
# Sectional Overhead Doors

## SUMMARY OF STRUCTURAL STEELWORK DRAWINGS

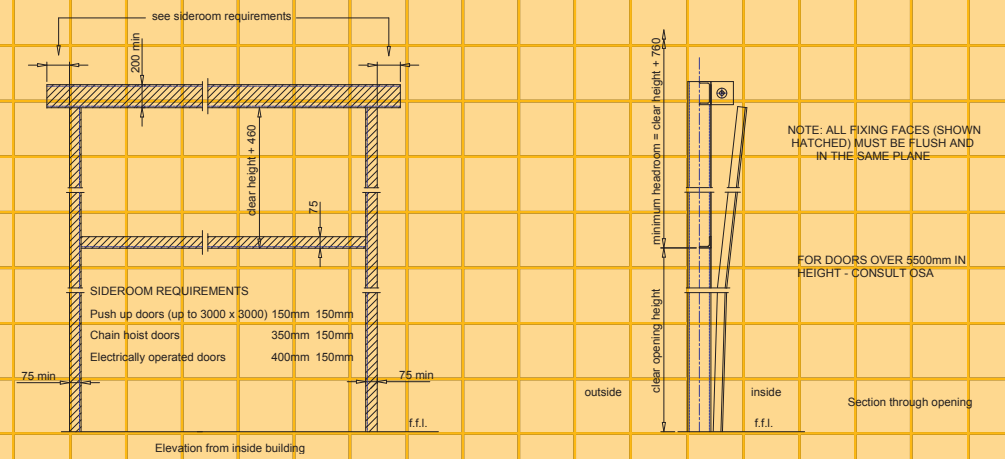
STANDARD LIFT TRACK



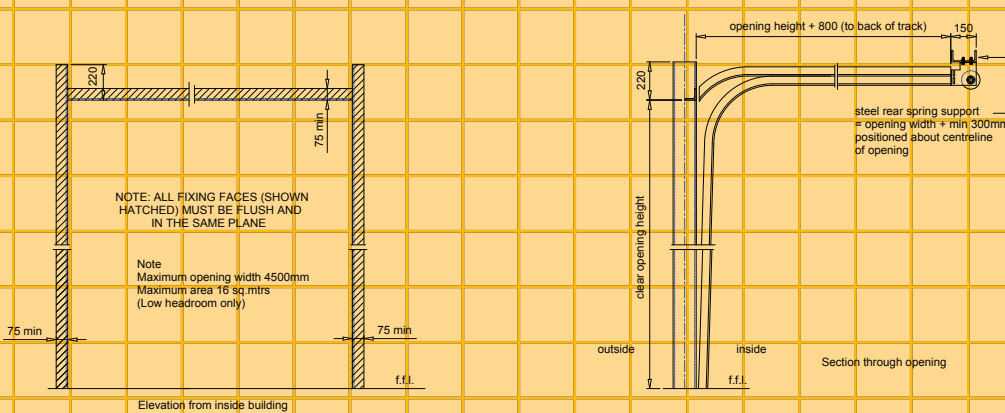
HIGH LIFT TRACK



VERTICAL LIFT TRACK



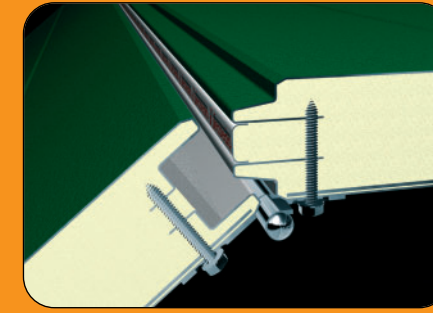
LOW HEADROOM LIFT TRACK



## OTHER PRODUCTS



Steel Hinged Door Sets



Insulated Repair Panels



# SECTIONAL OVERHEAD DOORS



## Introduction

### OSA INSULATED SECTIONAL OVERHEAD DOORS MANUFACTURED FOR AND SUPPLIED TO THE TRADE ONLY

Established specifically to supply industrial door manufacturers and installers. OSA Door Parts is recognised for quality finished products, components and technical support.

### WHY SPECIFY AND SELECT INSULATED SECTIONAL OVERHEAD DOORS?

This leaflet is offered by OSA as a guide for the Trade when presenting the arguments in favour of specification and selection of Insulated Sectional Overhead Doors.

- OSA Insulated Sectional Overhead Doors give guaranteed high thermal performance, avoiding cold bridging compared with traditional roller shutters
- OSA Insulated Sectional Overhead Door panels have a thermal performance that is greater than required by Building Regulations
- Windows can be installed in single or multiple panels
- Panels can be prefinished in an extensive range of colours and materials
- Doors accidentally damaged can be easily repaired using replacement materials and components

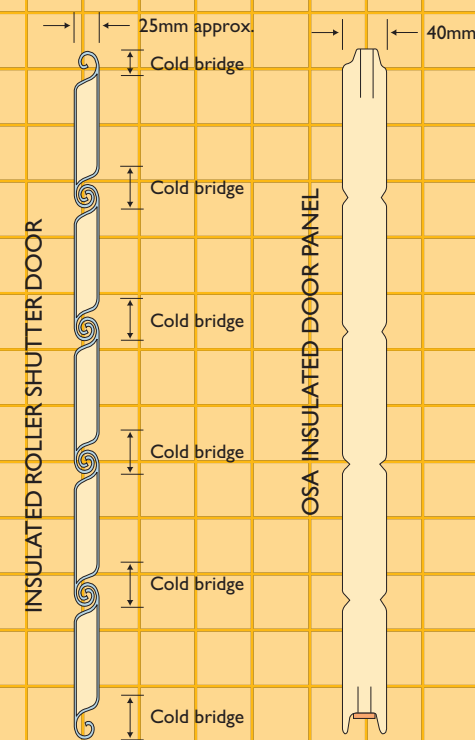
### INSULATED ROLLER SHUTTER DOOR

(For Comparison only)

Areas indicated where door is uninsulated and subject to cold bridging. This can be up to 30% of the door area. Also thinner layer of insulation.

### OSA INSULATED DOOR PANEL

Insulation is afforded to the whole door area – even at joints.



## Our Specification

### PANEL

The door panel provides the overall Insulated Sectional Overhead Door assembly with its main characteristics and therefore the following detailed information is provided to assist when the door performance needs to be explained.

Reinforcing strips are fixed internally to ensure secure fixings for the roller carriers and hinges.

### Core:

39mm thick rigid polyurethane foam, density 40kg/m<sup>3</sup>.

### Seal:

Low density compressible foam at panel base, and PVC Tape to the panel nose, all factory applied.

### THERMAL PERFORMANCE

OSA sectional door panels provide high levels of insulation. The foam core between the inner and outer steel sheets of the door panel creates effective interruption of cold bridges, thus preventing transmission of heat or cold.

See Declaration of Incorporation for test results and performance data.

### COMPOSITION

The use of quality materials and precise manufacturing controls ensure long service life in normal industrial and commercial applications. All OSA Insulated Door Panels conform to the Building Regulations requirements for Industrial Doors, and the durability of finishes are those specified by our steel suppliers technical specifications department.

### Outer and Inner Sheet:

0.5mm hot dipped galvanised steel. Both inner and outer sheets are supplied "V" grooved to provide increased lateral strength, and the whole panel is made-up to form a "T+G" joint top and bottom.

### PANEL (CONTINUED)

### COLOURS & FINISHES

#### Outer Skin:

The outer skin is finished and coloured to match most contemporary building cladding. Please see separate leaflet for range of finishes and colours.

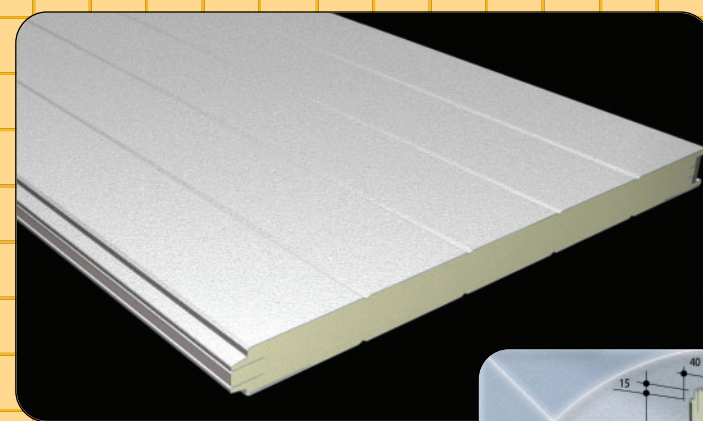
#### Inner Skin:

The internal liner skin is finished in RAL 9010 white, polyester coated, stucco embossed galvanised steel as standard.

A separate list and sample swatch of the current colour range is available from OSA Customer Services department.

### THERMAL BOW

It should be noted that when a door is due to be positioned where it is likely to receive direct sunlight then dark colours should be avoided due to the potential of thermal bow. Contact OSA Technical Department for further information.



STANDARD PANEL DETAIL

### ACOUSTICS

The 40mm OSA insulated door panel gives sound reduction of (Rw) 25db. Please note; this is for the panel only, and does not include joints, i.e. a fully installed door.

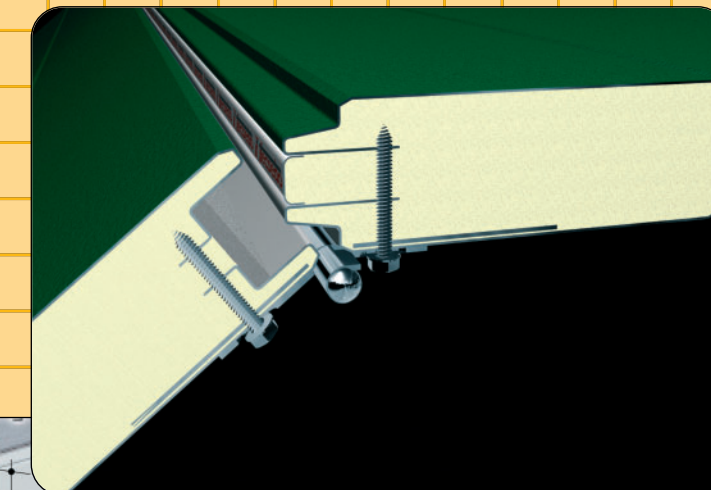
### PANEL OPTIONS & ACCESSORIES

A range of windows in various sizes can be incorporated in the panel, the standard being 600 x 300mm with radused corners.

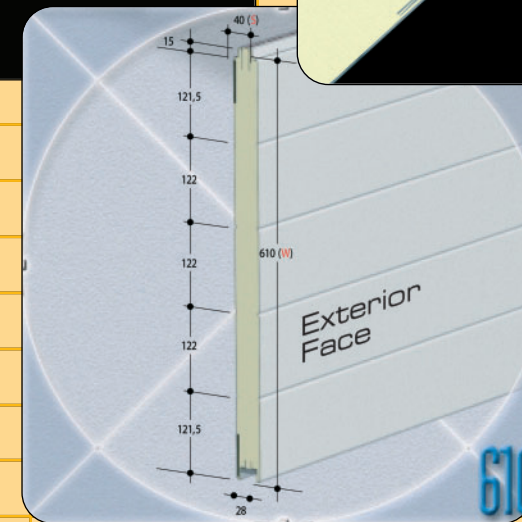
Each panel is fitted with pre-punched galvanised steel end caps and the top and bottom panels are finished with an aluminium retainer which holds the top and bottom EPDM seals.

A range of locking options are available.

Wicket doors are available 800 x 1800mm approx. 150mm above floor level, supplied complete with cylinder type locking.



TYPICAL PANEL JOINT



PANEL DIMENSIONS

### DIMENSIONS:

610 x 40 (500 x 40 gentian blue, sepia brown and sunset red)

### WEIGHT:

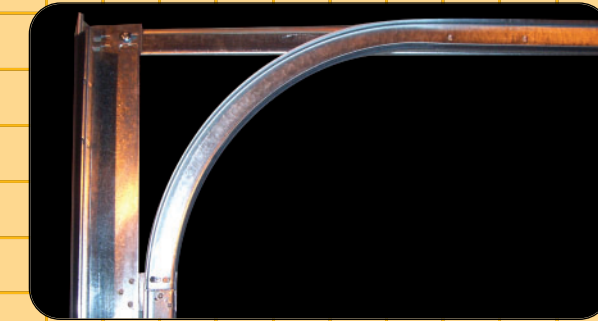
6.5kg/lin.m (5.2kg/lin.m)

### DECLARATION OF INCORPORATION

OSA Sectional Overhead Doors are manufactured in accordance with the requirements of the harmonised European Standards BSEN 13241-1:2003. The Swedish National Testing and Research Institute (SP) have conducted the necessary tests on behalf of OSA Door Parts Ltd. A copy of the test report is available on request.

*NOTE: It is our policy to supply doors that meet all relevant Building Regulations and Health & Safety Requirements, wherever it is practical and we urge our customers to familiarise themselves with their onward obligations. For further information please contact OSA.*

### TRACKS

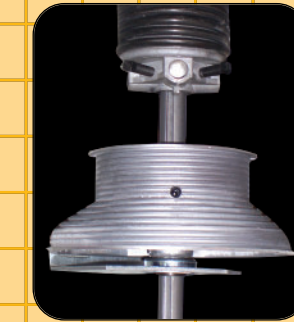
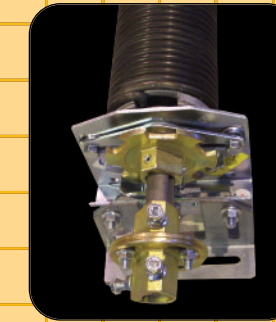


- Individually designed for each door
- Fully galvanised
- Bolted and riveted or spot welded

### Options include:

- Standard lift, high lift, vertical lift and low headroom track configurations. Follow the roof and pitched tracks available.
- All tracks supplied with 3m lengths of punched installation angle and side seals

### SPRINGS



- Individually designed for each door
- Highest grade springs to DIN 17223 Sort C specification for longer life
- Fully keyed shaft with adjustable coupler
- Spring break device supplied as standard
- Drums, end bearing plates, centre bearing plates, PVC spring fillers (152mm diameter springs only), plugs & winders, securing bolts

### HARDWARE



- All components galvanised for weather protection
- Doors supplied with adjustable side hinges, intermediate hinges, nylon rollers, cable sets, bottom corner brackets, spring bumpers, self tapping panel fixings

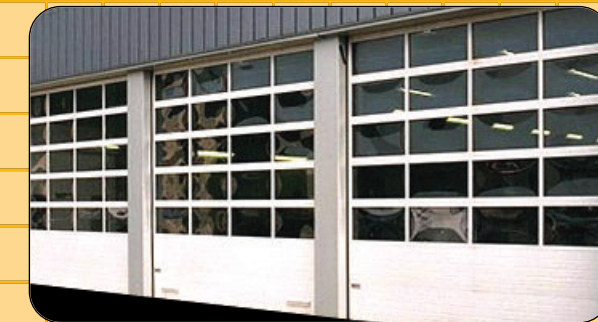
*NOTE: OSA do not supply fixings for use between the door and the structure.*

### OPERATION



- Manual doors can be push-up (up to 3000 x 3000mm) or Chain Hoist driven
- Electric 3ph or 1ph operators available complete with starter and torque bracket ©
- A range of safety systems available. Cable break and spring break devices are supplied as standard

### OTHER PRODUCTS



### PANORAMIC

#### ALUMINIUM SECTIONAL OVERHEAD DOORS

- Aluminium, fully single or double glazed sectional overhead doors
- Anodised and paint finishes available
- Glazed and solid panel combinations
- Contact OSA for product literature

**OSA Door Parts also supplies a complete programme of sectional overhead door components.**