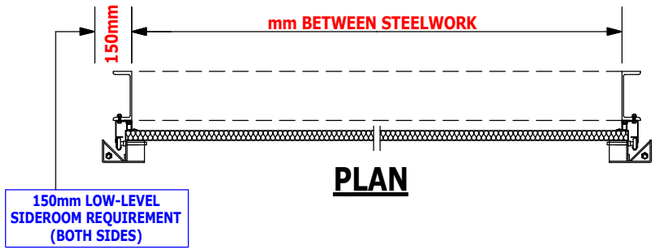
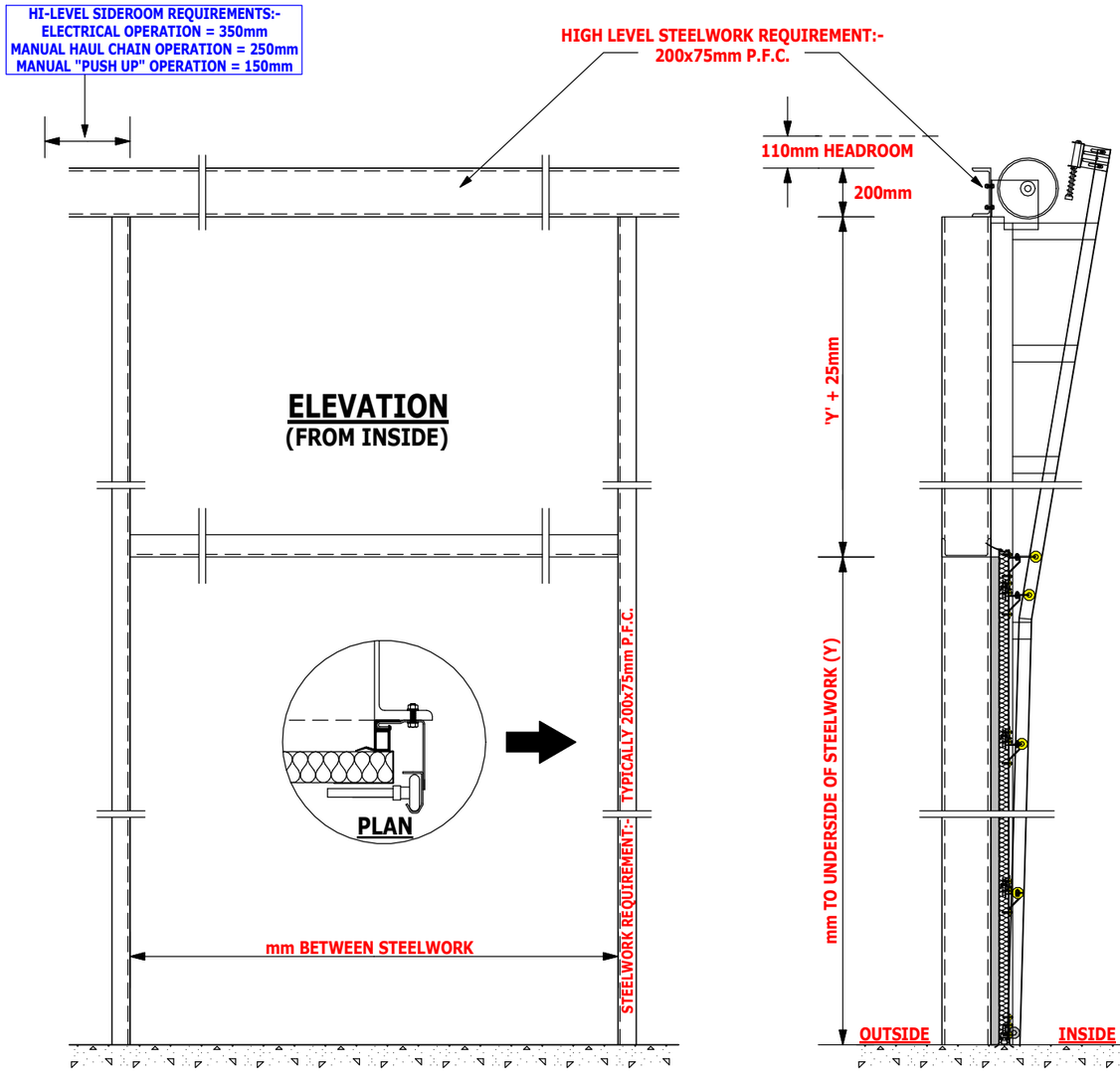
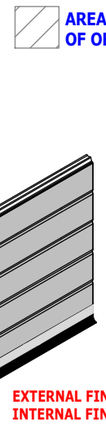



PLAN




ELEVATION
(FROM INSIDE)

SECTION



EXTERNAL FINISH:-
INTERNAL FINISH:- WHITE POLYESTER

AREA TO BE CLEAR
OF OBSTRUCTIONS

**Specifications**

"Thermalex 401" Insulated Sectional Overhead Door.

Specification: - The 40mm thick door panels are constructed from galvanised steel sheets bonded together with high density CFC free polyurethane foam with a thermal break at each joint.

Vertical and horizontal tracks, hinges, brackets, side capping and hardware are galvanised, with the assembled door running on adjustable galvanised roller carriers bolted to each individual panel. The door is perfectly balanced by means of polyester powder coated helical springs at high level, mounted on galvanised steel plates and quality bearings to give smooth and quiet operation. CABLE BREAKAGE devices are fitted as standard to prevent the uncontrolled dropping of the door. Rubber seals are fitted to the top and both sides of the door with a triple blade seal to the bottom for good protection against weather. The internal face of the door is bright white and the external face is available in a wide range of finishes and colours.

Operation: - Manual operation is by means of a continuous galvanised haul chain, through double reduction gearing or by means of push up & pull down. All manually operated doors are fitted with a recessed lifting handle, an internal shoot bolt lock and a pad lockable chain keep.

Electrical operation is by means of high quality three phase motor and gearbox, incorporating digital limits. All control panels are low voltage and have open, close and emergency stop buttons as standard along with self diagnostics and service reminder.

Emergency manual over ride is provided as standard to allow operation of the door in case of power failure.
BS 13241 compliant & CE Marked.

**Electrical Operation (415v c/w Wiring)**

Electrical operation by means of a pre-wired 415volt 3 phase & neutral supply drive motor complete with emergency manual haul chain operation in the event of power failure.

S-Y and Y-Y cabling, with conduit.
Low level control panel c/w service counter & fault diagnosis.

The client is to provide a mains supply terminated with an IEC 60309-2 3 phase (16amp, 5 pin), neutral and earth socket, positioned within 1 metre of the door jamb at low level (motor side).

All activating and control equipment will be positioned within 1 metre of the door opening.

| | |
|---|---|
| Life time expectations:- | Door: 20,000 door cycles<br>Springs: 15,000 to 20,000 door cycles |
| Wind Load<br>EN12424 | <4000mm Door width - Class 3<br>>4000mm Door width - Class 2 (higher classes available) |
| Thermal Resistance<br>EN12428 | 0.9 $W/m^2K$ - Door, 1.0 $W/m^2K$ - Windows or passdoor<br>1.1 $W/m^2K$ - Windows & passdoor |
| Water Penetration<br>EN12425 | Class 3 (4000mm x 3500mm) - 150 Pa |
| Air Permeability<br>EN12426 | Class 2 (4000mm x 3500mm + passdoor) |

INCLUSIONS:-

| REV | BY | DATE | DESCRIPTION |
|---|---|---|---|
| | | | |

CLIENT:-

SITE:-

SCALE AT A3:- 1:25
DATE:-
DRAWN:-
CHECKED:-

DRAWING NUMBER | REV

**No** .THERMALEX DOOR(s)

ADVANCED DOORS LTD.
Park Mill Way
Clayton West Ind. Est.
Clayton West
Huddersfield
West Yorkshire
HD8 9XJ
Tele (01484) 861112
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email:info@advanceddoors.co.uk
internet: www.advanceddoors.co.uk

QUALITY & SERVICE ASSURED