



GENERAL

Introduction The Mercian S100 galvanised insulated roller shutter door is manufactured to specific commercial and industrial requirements to suit regular shaped openings or special application. The advantages of this type of door are that lintels and floor tracks are not necessary and the side guides are usually concealed behind reveals for protection. Compact in design, the door provides minimal intrusion into building space.

Maximum opening size: 8000 mm wide x 8000 mm high, max area 56m².

Special features of this range are:

- Individual lath can easily be replaced if damaged.
- Wide choice of finishes/colours including HP200-HPS200 polyester powder coated.
- Rapid installation by factory trained engineers.
- Special lifting equipment is not required.
- Large range of factory fitted extras to suit customers specific requirements.



COMPOSITION

Curtain Constructed from preformed galvanised steel 100 mm twin interlocking lath infilled with polystyrene insulation.

Bottom Rail Rigid section with rubber seal.

Side Guide Profiled steel section which offers minimum resistance to the movement of the curtain. Flares at the top of the guide provide an accurate lead for the shutter curtain. Twin vertical brush seal to both internal and external faces.

Torsion Springs As required by our design specification. Mild steel heavy duty endplates and rolled steel fixing angles are used to transfer the barrel weight back to the structure.

Locking The curtain is not usually locked with electric operation; a handchain locking box secured to the side guide is provided on manual handchain doors. Additional locks including shootbolts on the bottom rail for customers own padlocks or ground locks for added security are available.

Accessories

The following are available as factory fitted extras or as supplementary items at a later date;

- Electrical operation.
- Weather seal to the bottom rail.
- "Stop on Impact" or "Stop and return to open on impact" safety bottom rails.
- Wicket doors.
- Galvanised sheet steel hood, fascias and soffits.



Assessed to ISO 9001:2008
Certificate number 355

Mercian Industrial Doors is a trading name of Mercian Shutters Limited
Pearsall Drive Oldbury West Midlands B69 2RA Tel: 0121 544 6124
www.merciandoors.co.uk sales@merciandoors.co.uk

Mercian Industrial Doors has a policy of continuous product improvements and reserve the right to amend specifications and details without notice.

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DHF
Door & Hardware
Federation
raising standards



OPERATION

Handchain S100C Preferred for openings up to 4000 mm x 4000 mm. Operation is by endless handchain through mild steel spur gears to give ease of operation together with rapid response from fully closed to fully open.

Electric operation S100E Preferred for openings over 4000 mm x 4000 mm. A 440 volt 3 phase motor with limit switches, push button operation and provision for rapid conversion to emergency manual operation. May be specified as original equipment or as a conversion at a later stage.

Note! All Mercian roller shutter doors are carefully counter balanced for ease of operation, but consideration should be given to frequency of use when deciding on the provision of electrical operation.

SITWORK

Construction Openings may be formed in masonry, steel or concrete. The building structure must be suitable to support the loading imposed by the door. Our technical staff will be happy to advise on specific requirements.

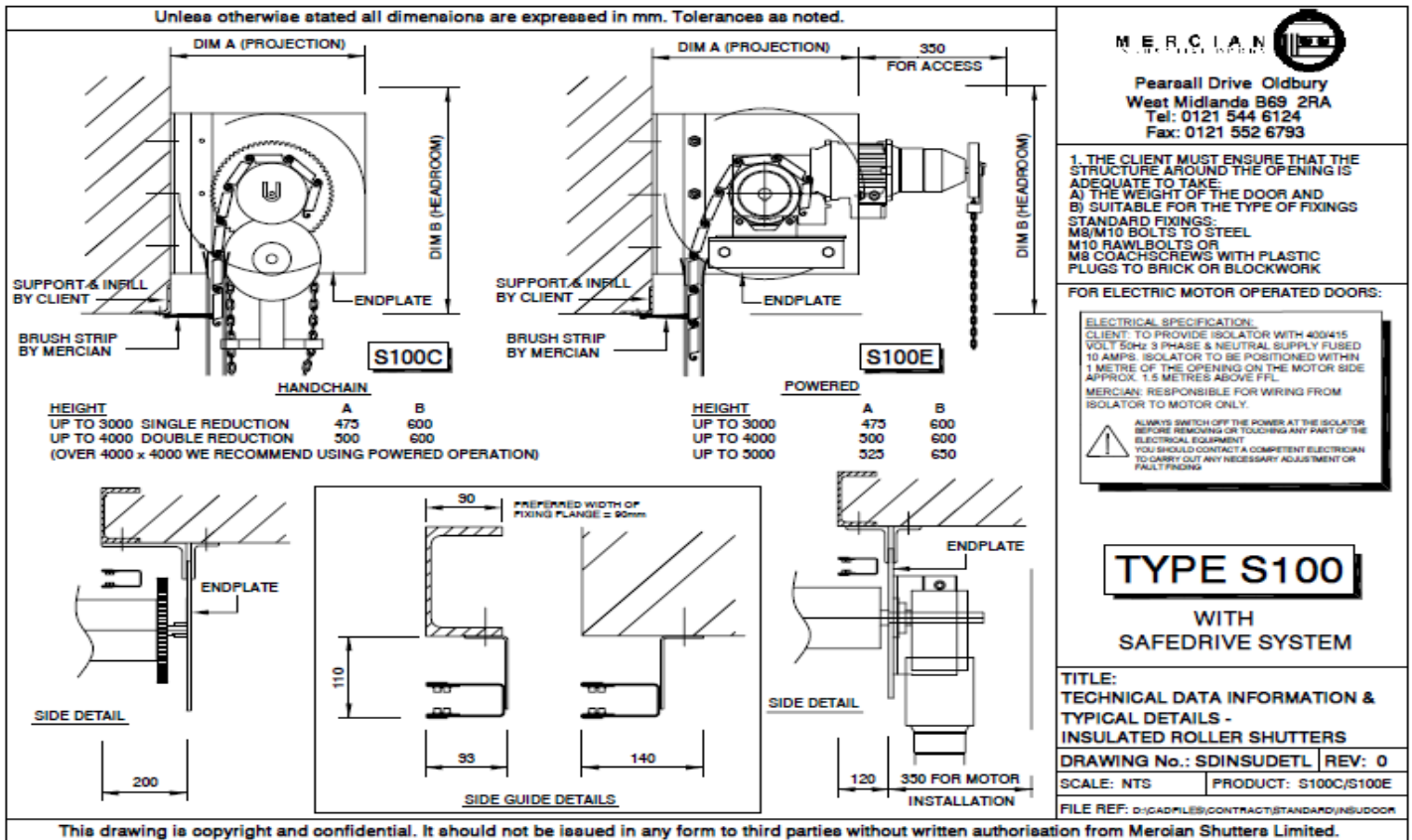
SUPPLY

Delivery The doors are delivered to site on Mercian transport. Delivery periods are flexible to meet the demands of our customers but usual delivery times are 2/3 working weeks from settlement of details.

Technical For further information or technical advices please contact our Sales department.

INSTALLATION & MAINTENANCE

The company has teams of specially trained installation engineers and offers a comprehensive programme of preventative maintenance, upgrade and emergency repair service to **ALL** types of industrial doors, Free survey and quotation service.



MERCIAN
 Pearsall Drive Oldbury
 West Midlands B69 2RA
 Tel: 0121 544 6124
 Fax: 0121 552 6793

1. THE CLIENT MUST ENSURE THAT THE STRUCTURE AROUND THE OPENING IS ADEQUATE TO TAKE:
 A) THE WEIGHT OF THE DOOR AND
 B) SUITABLE FOR THE TYPE OF FIXINGS

STANDARD FIXINGS:
 M8/M10 BOLTS TO STEEL
 M10 RAW BOLTS OR
 M8 COACHSCREWS WITH PLASTIC PLUGS TO BRICK OR BLOCKWORK

FOR ELECTRIC MOTOR OPERATED DOORS:

ELECTRICAL SPECIFICATION:
 CLIENT: TO PROVIDE ISOLATOR WITH 400/415 VOLT 50Hz 3 PHASE & NEUTRAL SUPPLY FUSED 10 AMP. ISOLATOR TO BE POSITIONED WITHIN 1 METRE OF THE OPENING ON THE MOTOR SIDE APPROX. 1.5 METRES ABOVE FFL.
 MERCIAN: RESPONSIBLE FOR WIRING FROM ISOLATOR TO MOTOR ONLY.

ALWAYS SWITCH OFF THE POWER AT THE ISOLATOR BEFORE REMOVING OR TOUCHING ANY PART OF THE ELECTRICAL EQUIPMENT.
 YOU SHOULD CONTACT A COMPETENT ELECTRICIAN TO CARRY OUT ANY NECESSARY ADJUSTMENT OR FAULT FINDING.



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