

SPEED ECO

HIGH SPEED INSULATED ROLLER SHUTTERS



0.7 m/sec
OPENING SPEED



0.69 w/m²k
THERMAL INSULATION



18db
ACOUSTIC INSULATION



- MAX SIZE OF APPROX 90m²
- INSULATION VALUE - 0.69w/M²K*
- ACOUSTIC VALUE OF 18DBA
- GALVANISED STEEL CONSTRUCTION
- RANGE OF CONTROL OPTIONS
- EASE OF REPAIR
- RANGE OF SECURITY OPTIONS

GUARDIAN-SPEED ECO Heavy duty Insulated Roller Shutters has been specifically designed to meet the ever increasing need for high speed operation thermal and accoustic insulation. It has a uniquely dimensioned twin skinned lath section with a thermal cross section value of 0.69w/M²k* along with an accoustic insulation value of 18DBA. A range of control, security, safety and aesthetic options means the SPEED ECO is suitable for many applications.

IMAGE INFORMATION - SHOWN HERE IS OUR SPPED ECO, IT IS SHOWN WITH 3 ROWS OF WNDWS 200MM x 37MM WITH 300 MM CENTRES ALSO SHOWN WITH SAFETY PHOTOCELLS AND OPTO SAFETY EDGE.

GUARDIAN
INDUSTRIAL DOORS

TEL 0800 7836602
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SPECIFICATION

SHUTTER CURTAIN

Manufactured from interlocked aluminium or steel sections with twin ribbed faces for rigidity, complete with hardened security bars. The curtain, when assembled, is held in position with purposely designed injection moulded end fittings, manufactured from hard wearing nylon-6. The bottom of the shutter is terminated with a purpose designed extrusion.

BOTTOM RAIL

Formed from cold rolled steel section complete with rubber weather buffer to provide a water tight barrier when the door is closed.

ROLLER BARREL ASSEMBLY

Constructed from mild steel tube with helicoil counter balance springs, mounted on 25mm steel shaft, with mild steel bearing blocks at each end and incorporating high speed bearings. Tube and shaft sizes vary according to overall door dimensions and weight.

ELECTRIC MOTOR

Shaft mounted Guthrie Douglas FI drive motor as standard, Complete with integral safety break and manual hand chain for emergency operation.

ROLLER HEAD BRACKETS

Fabricated from steel plate 406 mm laser cut plate as standard, bespoke designs for larger shutters

COIL CASING

Constructed from steel sheet thickness dependant on shutter width (Optional Upgrade)

GUIDE ASSEMBLY

Guide assembly is of sufficient depth to withstand normal wind loadings. The exact size varies depending on the size of the opening. Guides are formed from cold rolled channel sections secured to the opening by continuous steel angles, or from specially designed pressed steel section to give additional protection from high winds.

LOCKING

Via the geared electric motor – additional locking systems available, Ground locks, Side locks, (with electric interlocks)

FINISH

All parts not galvanised are painted with one coat primer

OPTIONAL EXTRAS

Powder coated finish to any BS or RAL number
Ground locking units and interlock
Burglar alarm connection
Timer activation
Remote operation
Sentinal security gate
Traffic lights
Vision Panels

OPTIONAL PERSPEX VISION PANELS
200mm x 37mm

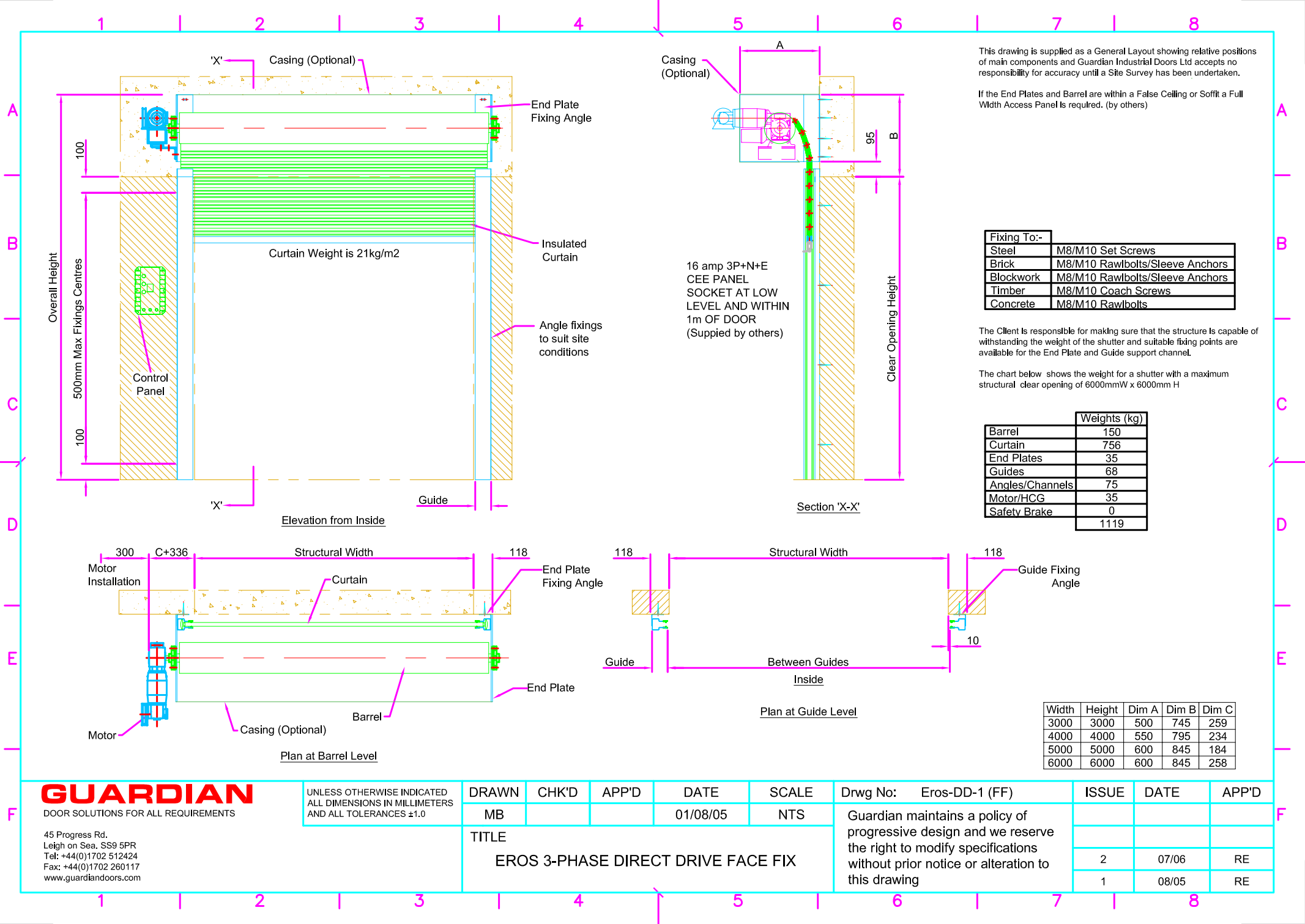
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This drawing is supplied as a General Layout showing relative positions of main components and Guardian Industrial Doors Ltd accepts no responsibility for accuracy until a Site Survey has been undertaken.

If the End Plates and Barrel are within a False Ceiling or Soffit a Full Width Access Panel Is required. (by others)

Fixing To:-	
Steel	M8/M10 Set Screws
Brick	M8/M10 Rawbolts/Sleeve Anchors
Blockwork	M8/M10 Rawbolts/Sleeve Anchors
Timber	M8/M10 Coach Screws
Concrete	M8/M10 Rawbolts

The Client Is responsible for making sure that the structure Is capable of withstanding the weight of the shutter and suitable fixing points are available for the End Plate and Guide support channel.

The chart below shows the weight for a shutter with a maximum structural clear opening of 6000mmW x 6000mm H

	Weights (kg)
Barrel	150
Curtain	756
End Plates	35
Guides	68
Angles/Channels	75
Motor/HCG	35
Safety Brake	0
	1119

Width	Height	Dim A	Dim B	Dim C
3000	3000	500	745	259
4000	4000	550	795	234
5000	5000	600	845	184
6000	6000	600	845	258

GUARDIAN
DOOR SOLUTIONS FOR ALL REQUIREMENTS

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UNLESS OTHERWISE INDICATED
ALL DIMENSIONS IN MILLIMETERS
AND ALL TOLERANCES ±1.0

DRAWN	CHK'D	APP'D	DATE	SCALE	Drwg No:	ISSUE	DATE	APP'D			
MB			01/08/05	NTS	Eros-DD-1 (FF)						
TITLE EROS 3-PHASE DIRECT DRIVE FACE FIX						Guardian maintains a policy of progressive design and we reserve the right to modify specifications without prior notice or alteration to this drawing					
									2	07/06	RE
									1	08/05	RE