



ROLLING SHUTTER

GUARDIAN ECO RANGE – ECO-DD MODEL



KEY FEATURES

- Heavy-Duty Construction
- Three-Phase Electric Operation
- Versatile Curtain Options
- Fully Compliant
- Low Maintenance Design
- Custom Finishes & Controls

ECO-INDUSTRIAL MODEL



OVERVIEW

ECO-INDUSTRIAL is a robust, cost-effective galvanised steel roller shutter designed for demanding industrial commercial and agricultural environments. Powered by a reliable three-phase motor as standard, it delivers exceptional durability, safety, and performance. The ECO INDUSTRIAL is fully compliant with current machinery directives and can be tailored to your needs with a choice of solid, punched, or perforated curtain profiles. Optional finishes and operational controls are available to suit a wide range of applications.

SPECIFICATIONS		DIMENSIONS	
Performance	Not applicable	Opening Height:	Up to 8000mm
Arrangement	Vertical roller shutter	Opening Width:	Up to 8000mm
Online Information	Learn More	Shutter Weight:	35 kg/m ²

ACCREDITATIONS

BS EN 13241-1:2003	Industrial, commercial and garage doors and gates Product standard - Products w/out fire/smoke resistance
BS EN 12424:2000	Industrial, commercial and garage doors and gates. Resistance to wind load. Classification 3.
BS EN 12453:2001	Industrial, commercial and garage doors and gates. Safety in use of power operated doors

CURTAIN

Constructed from 75mm galvanised cold rolled scroll sections of suitable gauge, each alternate lath is fitted with a steel or nylon end lock to prevent lateral movement and wind anchor locks on larger doors.

MODIFICATIONS AVAILABLE:

- Perforations 2 mm O/D
- Punchings 119mm w x 19 mm h Brick bond - Inline
- Punchings 152mm w x 25 mm h Brick bond - Inline
- Punchings 150mm w x 38 mm h Brick bond - Inline
- Tube and link grille

BOTTOM RAIL

Reinforced with a steel angle rail forming an inverted 'T'.

SIDE GUIDES

Formed from cold rolled mild steel channel sections secured to the opening structure by full height mild steel fixing angles.

ROLLER ASSEMBLY

Constructed from mild steel tube of sufficient gauge to prevent deflection, mounted on bright steel shafts running in ball races, reduction drive gearing where applicable is by machine cut steel gears or chain drive to suit the size of the opening.

ENDPLATES

The roller assembly is supported by mild steel endplates with mounting angles for fixing to the support structure

ROLLER ENCLOSURE (OPTIONAL EXTRA)

Formed from galvanised pressed sheet metal to enclose the rear of the shutter barrel and curtain assembly.

OPERATION

- 415V 50Hz 3-phase motor with emergency hand chain override.
- 240V 50Hz single-phase motor (reduced duty cycle by 40%)

CONTROL PANEL

With lcd status display, one touch impulse opening, hold to close. Also features maintenance alert system, fault recording, operation counter.

FINISH

Galvanised and primed ready to paint or powder coated to any standard BS or RAL number.

OPTIONS

GENERAL

- Protective bollards
- Guide brush strips
- Rubber bottom seal
- Personnel door
- Angle protection
- Polycarbonate glazing
- Soffit brush strip

SECURITY

- Ground locks

- Security gates
- Anti-ram bollards
- Pinlocks
- Bottom rail lock
- Keyswitch lockbox
- Anti-tamper controller

SAFETY

- Laser safety sensor
- Warning lights
- Battery backup

- Light curtains
- Reflected photoelectric cell
- S/R photoelectric cell
- Wired safety pressure edge
- Wireless safety pressure edge
- Traffic lights
- Illuminated status indicators
- Drive Motor
- High speed FI drive

OPERATION & CONTROLS

- Falcon motion sensor
- Milan presence sensor
- Condor sensor
- Magic switch
- Activ8 motion sensor
- Level 1/2/3 control panel
- Induction loop
- Keyswitch
- Keypad

- Push button
- Fire brigade switch
- Pull cord
- Biometric controls
- Smoke & heat detector
- Access control relay
- Industrial remote controls
- RFID radio controls
- GSM access
- Software/network connection
- Wind sensor
- Sun sensor
- Fire alarm activation

Construction Products Regulation

Declaration of Conformity and Performance

1. **Identification Code:** ECO-DD
2. **Serial Number:** (To be specified per product)
3. **Year of Manufacture:** (To be specified per product)
4. **Intended Use:** Internal or external access door
5. **Manufacturer:** Guardian Industrial Doors Ltd, 45 Progress Road, Leigh-On-Sea, Essex, SS9 5PR
6. **Authorised Representative:** N/A
7. **Relevant Harmonised Standards:** BS EN 13241-1:2003+A1:2011. Initial type tests performed by PDQ Labs, Warrington (APT 1104) under EN13241-1 2003, EN12424:2000, EN12444:2001, EN12604:2000, with issued test reports: 158735/1, 158735/2, 158735/3, 157386.
8. **European Technical Assessment:** Not applicable
9. **Declared Performance:**

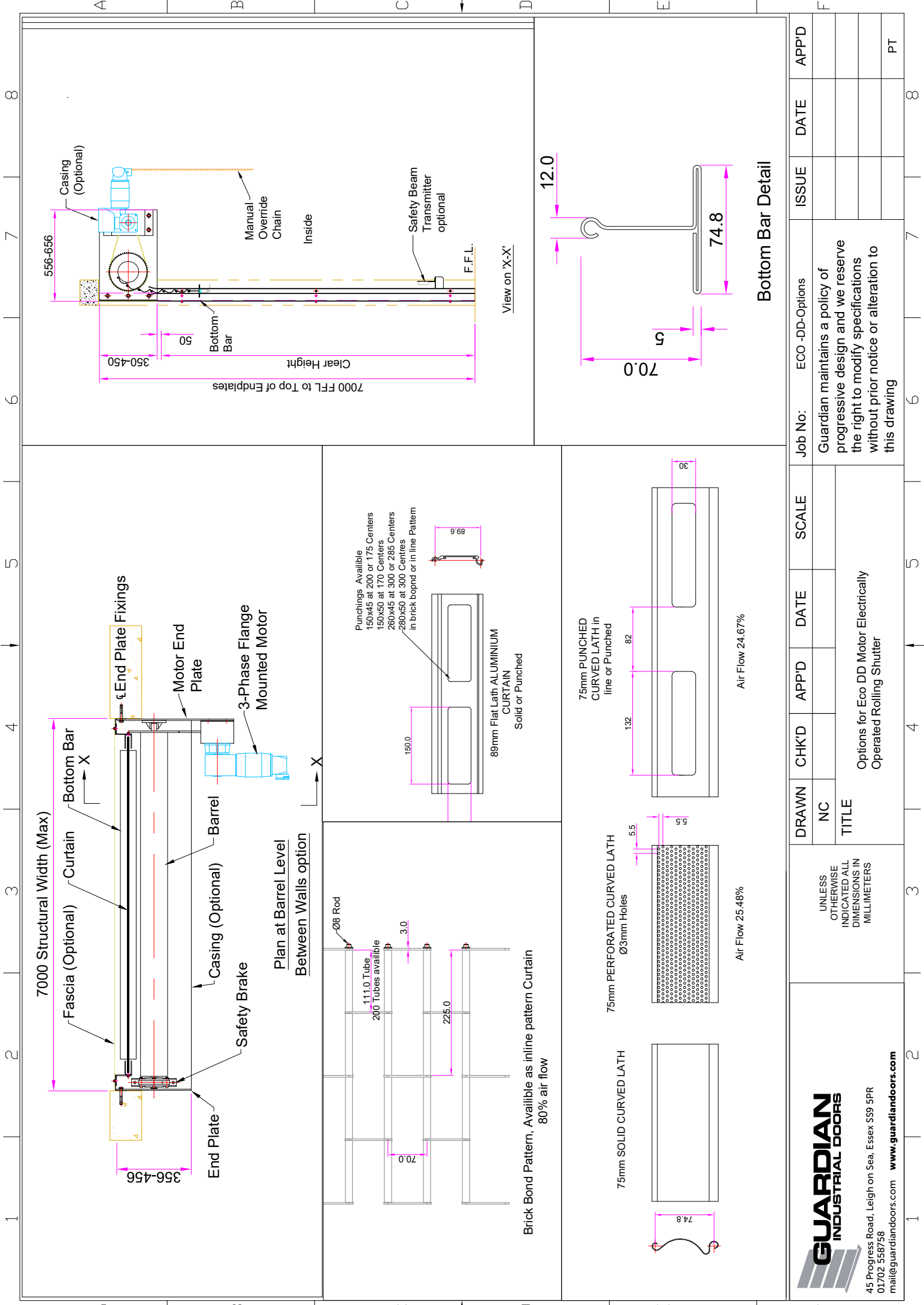
	Guardian Industrial Doors Ltd 45 Progress Road Leigh-On-Sea Essex SS9 5PR	
Characteristic	Declared Performance	Harmonised Standard
Resistance to wind load	Class 3	BSEN 13241-1:2003 + A1 :2011 In accordance with the machinery directive MD/98/37/EC.
Dangerous substances	None	
Safe opening	Pass	
Mechanical resistance and stability	Pass	
Operating forces	Pass	
Thermal resistance	NPD	
Air Permeability	NPD	
Durability of Water tightness, Air permeability and thermal resistance against degradation.	NPD	

10. The performance of the product in points 1 and 2 conforms with the declared performance in point 9. This declaration of performance is the sole responsibility of the manufacturer identified in point 5.

Signed on behalf of the manufacturer:



R. Everitt
General Manager



 GUARDIAN INDUSTRIAL DOORS 45 Progress Road, Leigh on Sea, Essex S59 5PR 01702 558758 mail@guardiandoors.com www.guardiandoors.com										UNLESS OTHERWISE INDICATED ALL DIMENSIONS IN MILLIMETERS		DRAWN		CHK'D	APP'D	DATE	SCALE	Job No:	ECO -DD-Options	ISSUE	DATE	APP'D
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