

**GUARDIAN CR 75**  
STEEL COMMERCIAL RANGE SHUTTERS

MAX SIZE OF APPROX 90m<sup>2</sup>  
RANGE OF PUNCHING SIZES  
RANGE OF CURTAIN DESIGNS AND OPTIONS  
GUARDIAN 12 V SAFE CONTROL UNIT

Guardian offers a range of commercial roller shutter doors constructed from various materials. Suitable for interior and exterior usage the CR75 is designed to meet planning regulations of local authorities the CR 75 is the most economical of the range. It is constructed galvanised steel with a powder coated finish. It is powered by an internal tubular motor and controlled via keyswitch as standard. Aesthetic options include, perforations to the roller curtain, range of standard colours, full colour vinyl branding. Electronic upgrades include anti tamper controls, burglar alarm connection remote operation and monitoring and many others

IMAGE INFORMATION - SHOWN HERE IS THE CR75 MODEL ROLLER SHUTTER. IT IS SHOWN WITH THE 120 MM x 19 MM BRICK BOND PUNCHINGS

# CR 75 SPECIFICATION

## SHUTTER CURTAIN STEEL SECTION

Constructed from interlocking curved 75mm galvanised steel laths, gauge depending on the opening size. Alternate laths are fitted with nylon end locks to hold the curtain within the guide channels.

## BOTTOM RAIL

Formed from cold rolled steel T - section to give rigidity and strength. As an extra rubber buffers can be added to provide a water tight barrier when the door is closed.

## ROLLER BARREL ASSEMBLY

Constructed from steel tube, of sufficient diameter to resist deflection.

## ELECTRIC MOTOR

Somfy Internal Electric Motor With 5 Year Warranty. with auto cut out limit switches. ( Manual Override Option )

## ROLLER HEAD BRACKETS

Are fabricated from mild steel plate with fixing angles to support the shutter from the structure

## COIL CASING

Constructed from steel sheet thickness dependant on shutter width

## 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

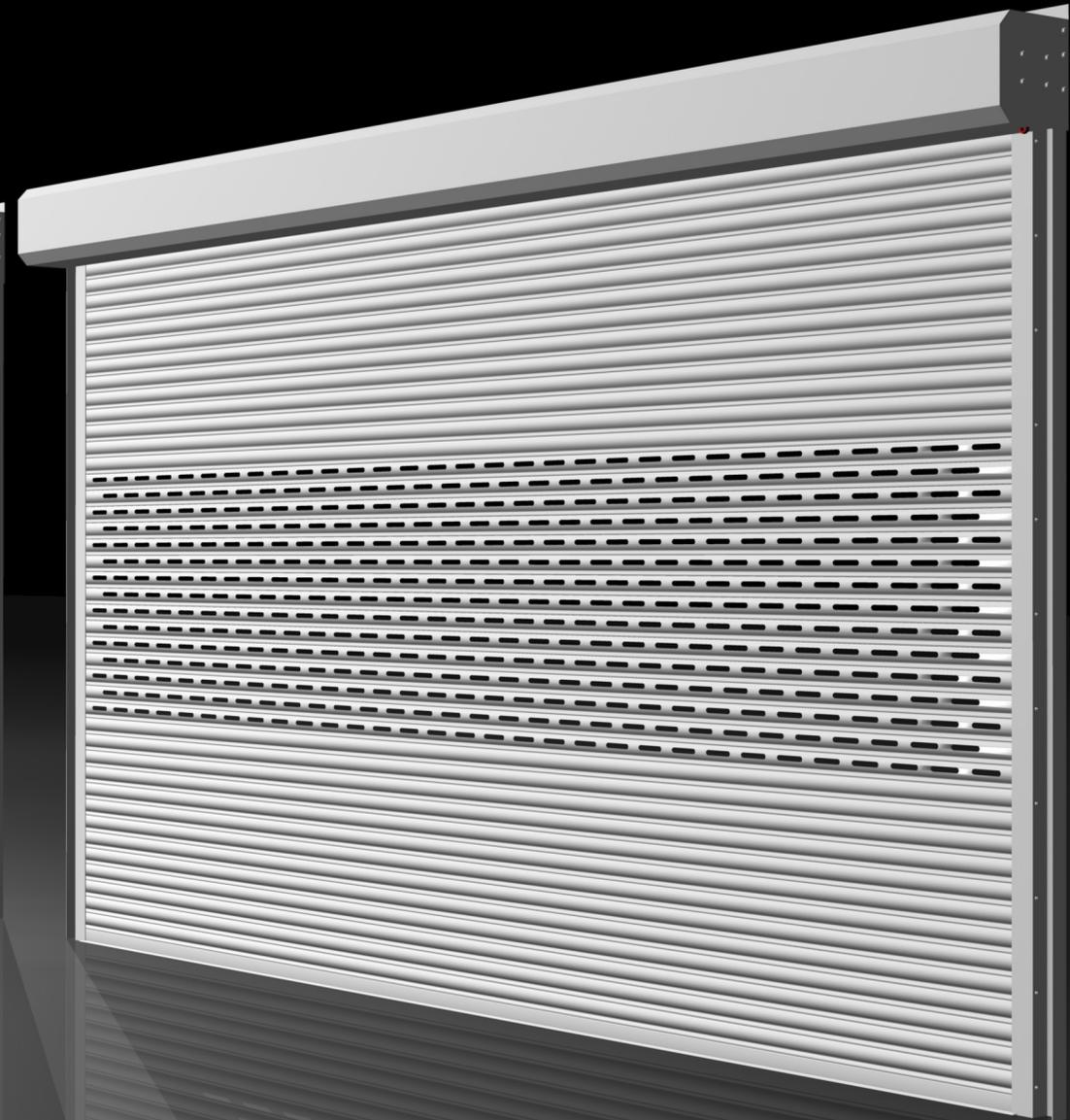
Via the geared electric motor – additional locking systems available, Ground locks, Side locks, ( with electric interlocks )

## FINISH

Available in a variety of finishes including. Powdercoated colour to any BS or RAL reference. Stainless steel.

## OPTIONAL EXTRAS

Range Curtain Upgrades.  
Punchings  
120 mm W x 90 mm H (Other sizes available on request)  
Inline and brickbond patterns  
EuroLook glazed section  
Battery Backup  
Tube and link grille section  
Ground locking units and interlock  
Burglar alarm connection  
Timer activation  
Remote operation  
Sentinal security gate



# AESTHETIC UPGRADES

**GUARDIAN**  
DOOR SOLUTIONS FOR ALL REQUIREMENTS

Various aesthetic upgrades are available for this model. This photograph shows a combination roller curtain. Due to its modular design different cutains can be mixed together.

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Shown in the main photograph is a combination of our 75mm perforated steel and tube and link grille in a brick bond pattern ( inline also available )



Perforations

**Perforations**  
2 mm punched holes. Used in retail situations to create translucent shutters at night Also used in carpark situations where airflow is needed through the shutter



Punchings

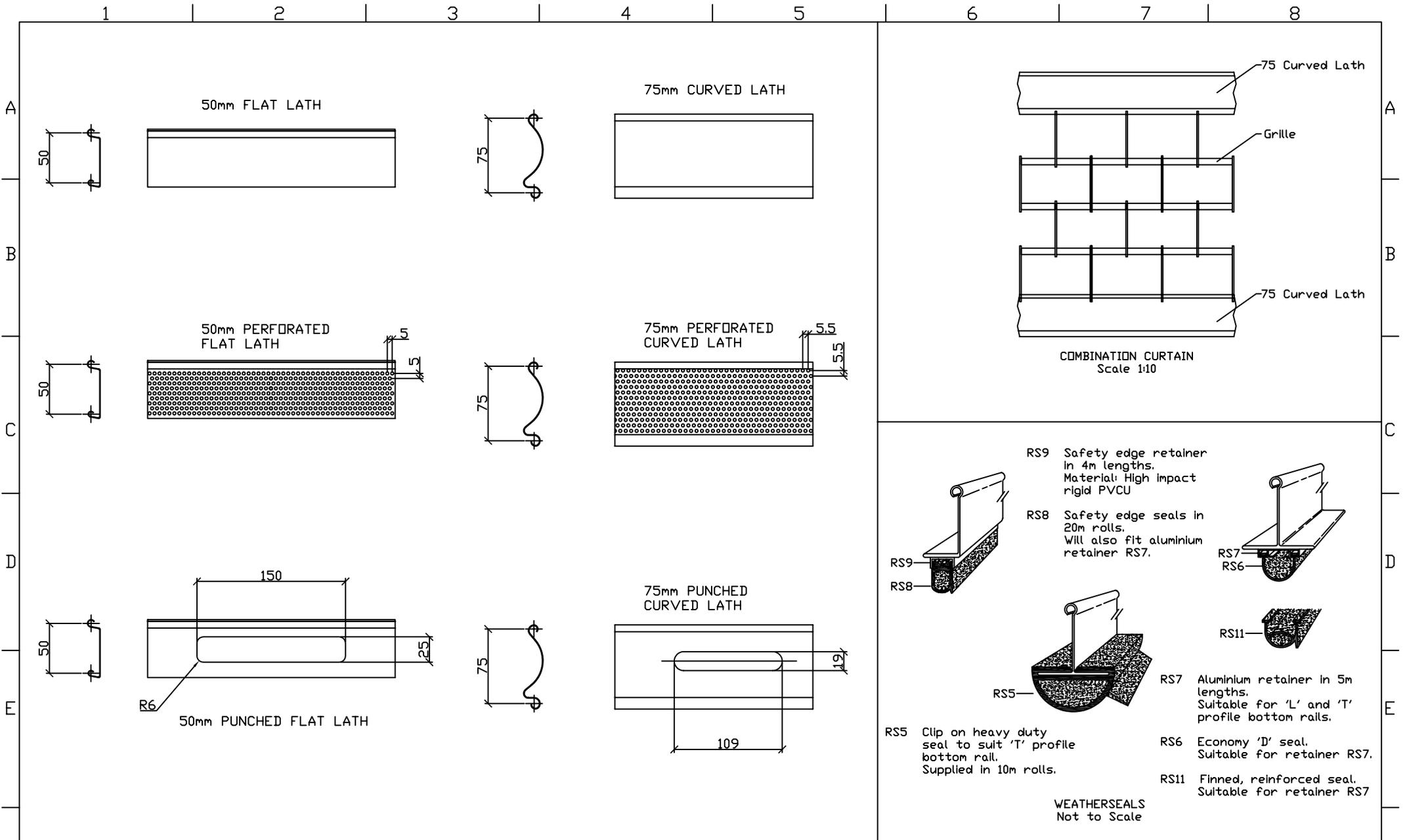
**Punched slots**  
Various sizes available, dependant on shutter width.



Polycarbonate glazing

**Polycarbonate glazing**  
Solid translucent glazing which is UV resistant and impact resistant. Offered in various shades.

**Tube and link grille**  
As shown in the main photograph, various sizes of tube and link available.



**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:	CO-1	ISSUE	DATE	APP'D		
MB			27/07/05	NTS	Guardian maintains a policy of progressive design and we reserve the right to modify specifications without prior notice or alteration to this drawing						
TITLE							CURTAIN OPTIONS				
FINISH											
							1	08/05	RE		

## L20 DOORS / SHUTTERS / HATCHES

### 610 ROLLER SHUTTER

**Product reference:** GUARDIAN COMMERCIAL RANGE – CR 75 MODEL

**Performance:** Not applicable

**Arrangement:** Vertical roller shutter

**Accreditation:** BS EN 1324

A commercial steel vertically operated roller shutter available with either solid punched or perforated curtain. See our PDF Curtain modifications, or ask for cosmetic options.

**Dimensions:**

Opening height up to 4000mm, opening width up to 4000mm.

Shutter weight: 35 kg/m<sup>2</sup> of door opening.

**Curtain**

Constructed from 75mm galvanized 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.

**Curtain Modification**

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

**Bottom Rail**

The base of the curtain is fitted with a steel angle reinforcing rail of adequate size forming an inverted 'T'.

**Side Guides**

90x 34mm or 120mm x 39mm extruded aluminium guide with integral box section for strength.

**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**

240v 1 phase Tube motor with low voltage toggle switch or key switch control and optional hand crank override.

**Control Unit** – Guardian Safe Voltage

**Finish**

Galvanised and primed ready to paint, Or powder coated to any standard BS or Ral number

Consult with Guardian Industrial Doors Ltd technical literature for details. Guardian Doors can also provide a design and specification advisory service and it is recommended that they are consulted early in the design process.

**Manufacturer:** GUARDIAN INDUSTRIAL DOORS 45 Progress Road Leigh On Sea Essex, SS9 5PR Tel: 01702 512424. Fax: 01702 510015. Email: [mail@guardiandoors.com](mailto:mail@guardiandoors.com) Web: [www.guardiandoors.com](http://www.guardiandoors.com)

### OPTIONS

**Controls and operation**

Key switch control unit – flush mounted

Key switch control unit – surface mounted

External weatherproof push button

Key lockable push button control

Group control unit for up to 6 shutters simultaneously (**will require additional safety pressure edge.**)

Radio controlled (**will require additional safety pressure edge.**)

**Safety Systems**

Safety bottom edge

Safety photo cell beam

**Security**

Ground locks and interlock facility

Bullet lock interlock box

**Emergency operation**

External manual override for external fitted electric shutters.

External manual override lockable plate to crank hole.

External manual override for internal fitted electric shutters.  
Internal manual override for internal fitted electric shutters

Battery backup unit



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ROLLER SHUTTERS - SECTIONAL OVERHEAD DOORS - INSULATED DOORS - FOLDING DOORS  
 STEEL DOORS - FIRE RATED DOORS - SECURITY DOORS - SLIDING GATES - HIGH SPEED DOORS

**Construction Products Regulation**

**Declaration of conformity and performance**

1. Identification code – CR 75
2. Serial Number - \_\_\_\_\_
3. Year of manufacture \_\_\_\_\_
4. Intended use - Internal or external access door.
5. Manufacturer - Guardian Industrial Doors LTD - 45 Progress rd, Leigh – On – Sea, Essex, SS9 5PR
6. Authorised representative : N/A
7. Relevant harmonised standards: BS EN 13241-1:2003+A1:2011, PDQ labs Warrington APT 1104 performed initial type tests under EN13241-1 2003, EN12424:2000, EN12444:2001, EN12604:2000, and 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	

Specific technical documentation: Operation and maintenance manual.

10. The performance of the product in points 1 and 2 is in conformity 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 by:

R. Everitt.

General Manager



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