

SPEED ULTRA - HIGH SPEED ROLLER SHUTTER

TWO DOORS IN ONE

The fast action roller shutter Speed Ultra combines the advantages of an aluminium roller shutter with those of a PVC roller door. As a fully functioning external shutter with corresponding resistance to weather and wind forces, with break in protection and good heat insulation, it opens at a speed that is normally only achieved by PVC roller doors.

ADVANTAGES OF THE GUARDIAN ULTRA SPEED

- Solid and self-supporting side guide rails
- Smooth and rapid shutter movement using frequency modulation techniques
- Large, side-mounted, maintenance-free tension springs in the shutter frame
- Easy removal and replacement of individual roller shutter slats
- High wind resistance to DIN
- Side servicing hatch (all moveable components easily accessible)
- Very safe operation with integrated photo cell and contact strip

CONSTRUCTION

Easily installable side frames consisting of galvanised steel sheet painted to order (can be delivered in stainless steel for the food sector). The drive is provided by a drive motor that is connected directly to the winding shaft. Side tension springs integrated into the frame support the drive motor and at the same time ensure that the weight of the shutter is balanced.

REINFORCEMENT AND INSULATION

Extruded aluminium slats, left and right fitted with sliding pieces. Between the individual slats a specially designed rubber profile is inserted for sound absorbing purposes. The additionally integrated side tension springs keep the shutter slats under tension in the guide rails. In this way the normally loud operational noises are reduced considerably.

CONTROLS

The control with frequency converter permits a smooth and rapid start of the shutter as well as a smooth run-in to the end position. According to the requirements on the shutter the frequency converter permits the opening and closing speeds to be programmed. Control can be easily extended (e.g. for locks and traffic light control or for connection to installations and controls provided by the customer on site). Operational or error messages are displayed on a plain text unit on the control box.

MANUAL OPERATION

In the event of a power cut the shutter can be opened with an emergency release handle. As required: Emergency unlocking is by internal Bowden cable.

SAFETY IN ACCORDANCE WITH EN 13241-1

- Electrical closing edge safety
- Stationary safety photo cell

Light curtain units, induction loops, radar motion detectors, height adjustable light beams, operating or traffic light controls as well as other safety elements can be connected without difficulty.

OPTIONAL EXTRAS

- Emergency unlocking by internal bowden cable
- Light curtain units
- Drive and shaft cladding
- RAL colour slats and side guide rails
- Other protective devices
- Operation e.g. by means of pushbuttons, pull switches, light beams, motion detectors
- Induction loops or radio remote control, etc.
- Intermediate stop
- Air lock control in combination with second shutter
- Connection to a traffic light unit
- Vision windows and ventilation slats

SPECIFICATION

Width min. 1500 to max. 8000 mm
Height min. 2000 to max. 8000 mm
Sideroom requirement drive side min. 400 resp. 450 mm (with cover)
Sideroom requirement non-drive side min. 250 resp. 350 mm (with cover)
Headroom requirement (acc. to size) min. 600 to 900 mm
Opening speed more than 2.0 m/sec.
Closing speed approx. 0.7 m/sec.
Power requirements – up to 5000 x 5000 mm 230 V/50 Hz /8 A /1.1 kW
Power requirements – up to 8000 x 8000 mm 400 V/50 Hz /1 A /2.2 kW
Control voltage 24 Volt
Protection type IP 54
Drive selectable right or left

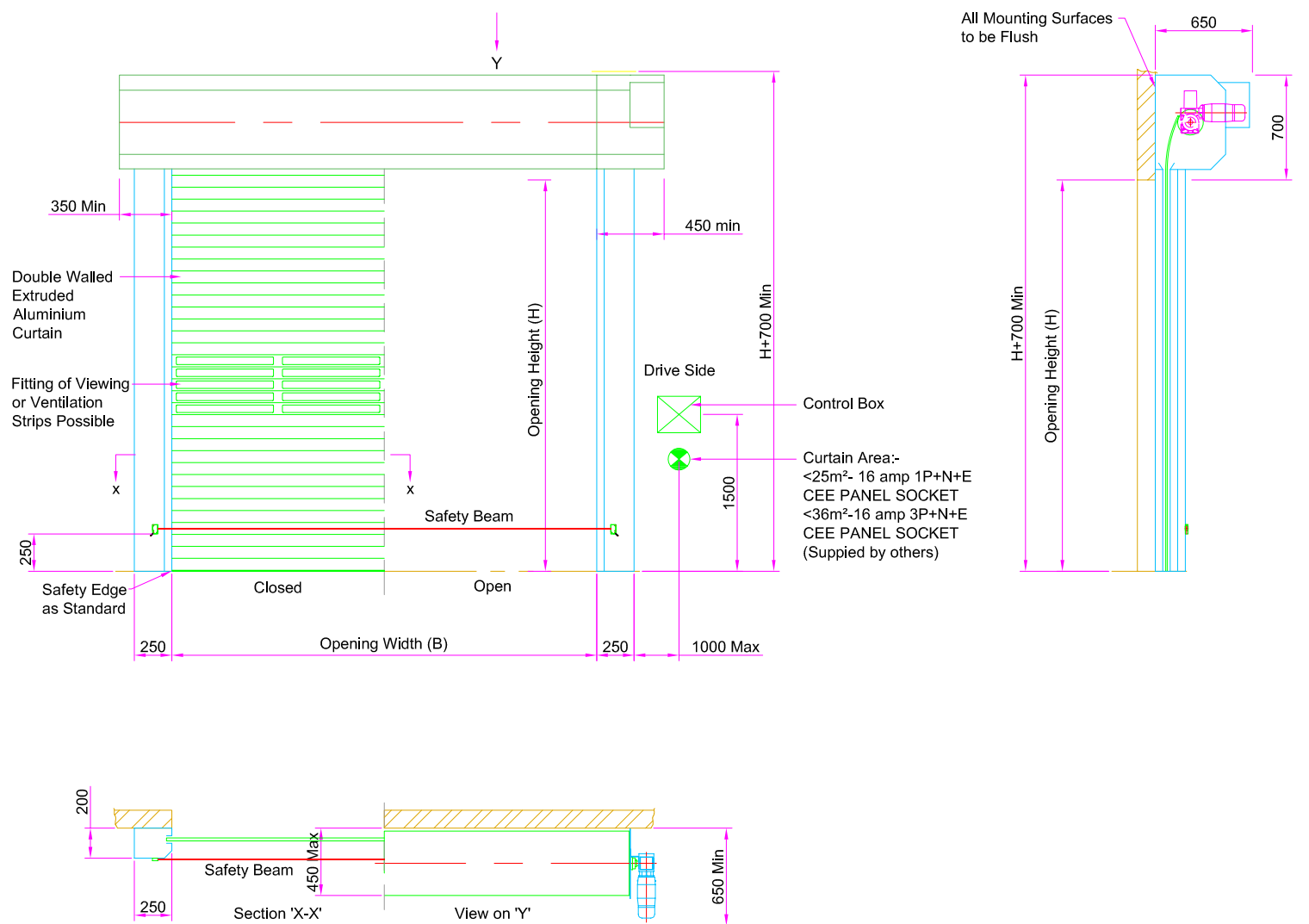


Dimensions

max width	6000mm
minimum width	1500mm
max height	6000mm
minimum height	2000mm
max surface area	36m²
lateral space not drive side at barrel height	250mm
lateral space at the drive side	400mm
head room	700mm
fitted depth	225mm

Performance

opening speed	max	2 m/s
closing speed	max	0.5 m/s



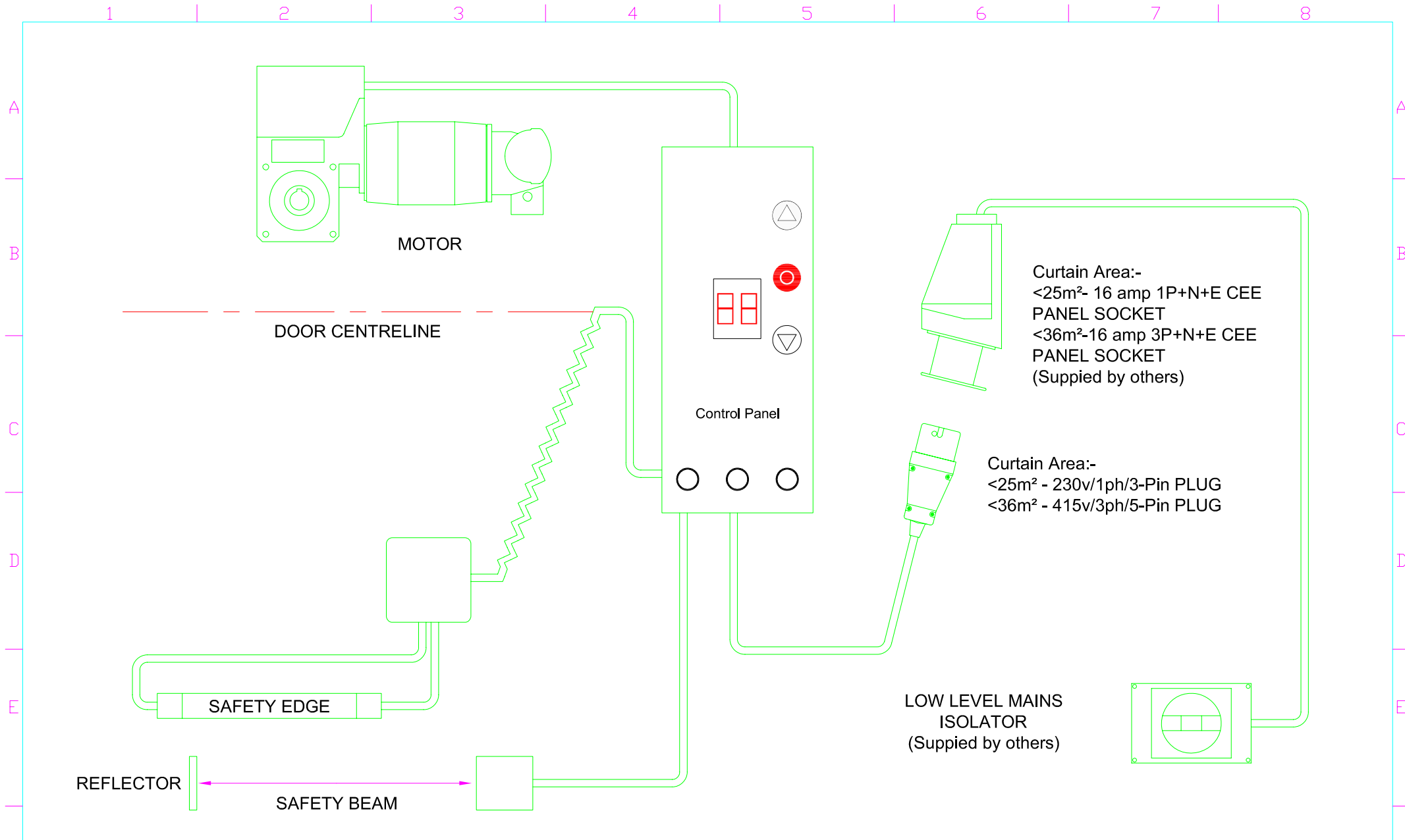
GUARDIAN

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:	SR-Ultra/Hood	ISSUE	DATE	APP'D
MB			17/11/07	1:30@A3					
TITLE					Guardian maintains a policy of progressive design and we reserve the right to modify specifications without prior notice or alteration to this drawing				
Installation Requirements for Speedroller Ultra Aluminium with Hood									



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DRAWN	CHK'D	APP'D	DATE	SCALE	Drwg No: ES-SE-SB	ISSUE	DATE	APP'D
MB		RWE	24/11/09	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 ELECTRIC SYSTEM FOR SAFETY EDGE & SAFETY BEAM								
FINISH						1	11/09	RWE