GUARDIAN

SLIDING GRILLES

INTRODUCTION TO GUARDIAN SLIDING GRILLES

Guardian is the name of our range of sliding grilles. We aim to offer you the best horizontal sliding security shutters on the market. Both in terms of quality and service.

Guardian Sliding Grilles is a trading name for Guardian Industrial Doors Ltd this information resource was created to arrange one of our product ranges into a concise information point for architects, specifiers and end users.

Guardian Industrial Doors was founded in 1979 by Ronald and Elizabeth Everitt, and is still owned and managed by the by the Everitt family.

Guardian's continuing mission is to be aprogressive manufacturer of the highest quality door and physical security systems. Guardian serve the UK as well as overseas markets from a base near London and the M25 motorway.

Guardian celebrated recent success with a range of contracts at the London Olympic venues in preparation for the 2012 games.

You can read more at **guardiandoors.com**.

Enquiries

if you require any further information, please phone us on **+44 (0)1702 512424** or send an email to **info@slidinggrilles.co.uk**

We are always happy to answer any questions you may have.

GUARDIAN
SLIDING GRILLES

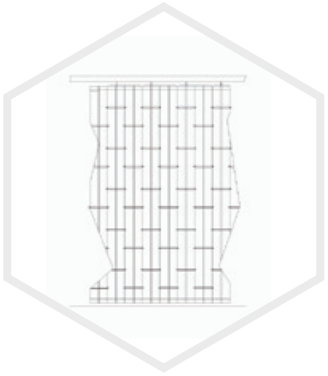
EXPLORE GUARDIAN MODEL TYPES

ECO WAVE

Economical and lightweight

It is an open style sliding folding grille. With a hanging weight of only 6 kilos per square metre, it is the best type of folding grille to install on limited support structures.

Recommended for floor to ceiling area dividers in public spaces such as offices, hospitals, food courts and lobbies.

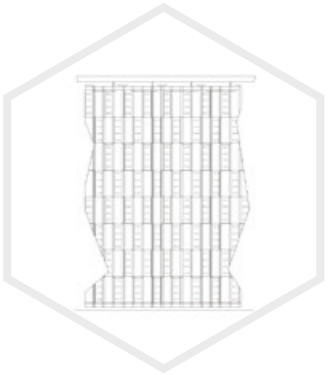


CLASSIC WAVE

Better security for lower cost

Classic Wave are multipurpose grilles often used in behind glass applications. They are secure enough to lock up store fronts and yet are open enough to allow air circulation through them.
Available in a range of patterns.

Recommended for applications such as food service kiosks.



LIGHT WAVE

Open space, higher level of security

The Light Waves sturdy construction is based on individual panels interlocked by full height hinge members. Hinge rods are completely concealed to protect them from vandalism and damage. The panels fold clearly and positively, resulting in a smooth and easy to operate grille.

Recommended for enclosing spaces that requires good cross ventilation such as food court concessions.

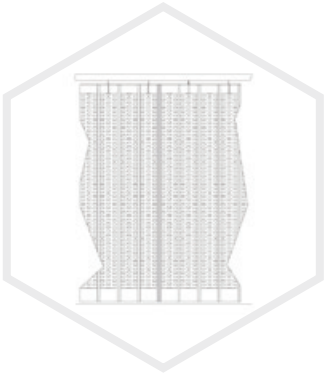
EXPLORE GUARDIAN MODEL TYPES

AIR WAVE

Protection, airflow and visibility

This product is available in two types, PERFORATED - Steel perforated sheets are secured via ‘T’ shaped edges.

SLOTTED - Aluminium slotted panels provide a different aesthetic without a compromise in security.



CLEAR WAVE

Maximum visibility, high security

Clear 3mm polycarbonate glass inserts give an unobstructed view. At the same time they provide a protective barrier against theft and intrusion.

Recommended for applications such as food service kiosks.

BARRIER WAVE

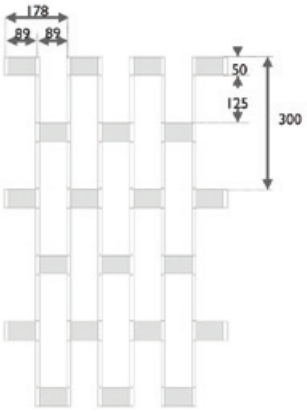
Maximum security protection

Full height solid aluminium panels provide maximum security protection along with absolute privacy.

Recommended for enclosing spaces that requires good cross ventilation such as food court concessions.

PATTERN OPTIONS FOR THE CLASSIC WAVE SYSTEM

The Classic Wave sliding shutter is available in a number of patterns as shown below.



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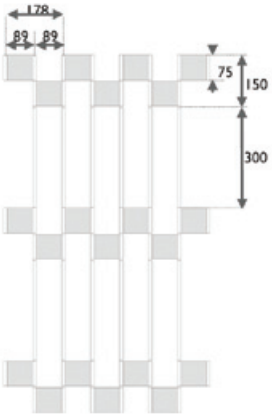

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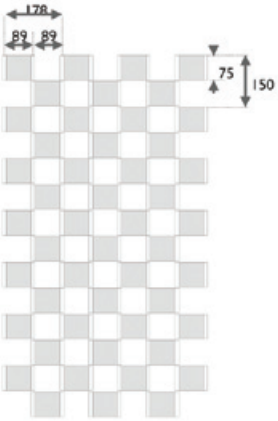

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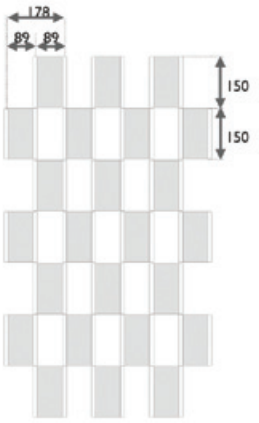

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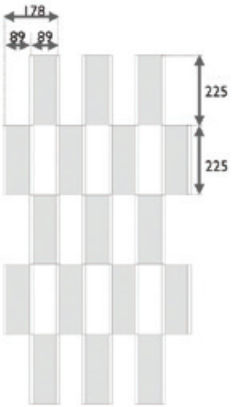

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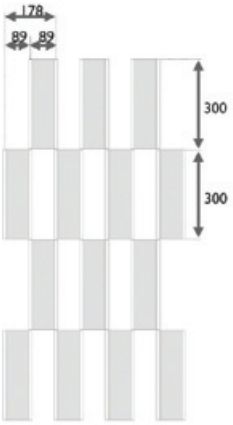

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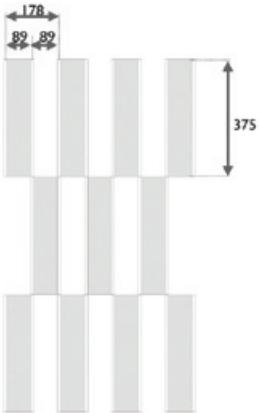

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EXAMPLE TECHNICAL SPECIFICATION

Model : CLASSIC WAVE

Arrangement: Horizontally-operated top-hung sliding folding shutter.

Track: The overhead track is 34mm wide x 46mm high and takes 29mm diameter roller trolleys. The rollers bear on a 7mm thick aluminium surface within the track. Track curves, where indicated, have a 254mm or 356mm radius. A custom radius track is also available as an option.

Operation: Push or pull, manual operation.

Locking Options: The shutter incorporates vertical posts at regular intervals, fabricated from rectangular hollow-section aluminium with a dimension of 33mm x 62mm. Posts fitted with floor bolts include a, spring-capped floor socket. Lead and trailing end posts are fitted with cylinder controlled lock stiles with self-adjusting cold-rolled steel floor and top track bolts. Bi-parting curtain assemblies are supplied with a hook bolt deadlock activated by keyed or thumb-turn cylinders. The associated slam post is fitted with a steel floor bolt and includes a full-height channel to accept the hook bolt deadlock.

Finish as delivered: Standard factory finishes are Anodised natural*, White or Black Duracron acrylic paint. At an additional cost, the complete shutter can be powder coated to most RAL colours.

* Please note that the Classic Chainlink is only available in Anodised natural.

Stacking: Minimum stacking is 87.5mm/metre of opening plus 89mm per locking member. The shutter support must be able to carry the weight of a fully stacked door at any point along its length.

IMPORTANT

A complete list of technical specifications are available on our website **www.slidinggrilles.co.uk**.

CURTAIN CONSTRUCTION AND WEIGHT

MODEL	CURTAIN CONSTRUCTION	WEIGHT
ECO WAVE	• Curtain constructed from 6063 T5 aluminum alloy and shall incorporate 51mm high truss-like plates at the top and bottom of the closure. • 8mm diameter vertical rods on 89mm centers are linked by flat horizontal bars 3mm by 16mm by 197mm. • Bars are vertically spaced every 305mm with 11mm diameter sleeves over alternating rods. Optional spacing of 229mm, 152mm and 76mm are available.	**5.9** kg/m2
CLASSIC WAVE	• The Classic Wave incorporates 51mm high truss-like plates at the top and bottom of the closure. • Constructed of 102mm wide x 1.5mm thick aluminium plates that slide over 8mm rods on 89mm centres in an alternating pattern. • Plate height is indicated by model number (Sentry 33 - 3” plates, Sentry 1515 - 15” plates).	**7.3** kg/m2
LIGHT WAVE	• Curtain constructed of vertical tubes 8mm diameter, 6063 T5 Aluminium alloy 89mm o.c. • Tubes spacers: 11mm outside diameter PVC or aluminium tubes to maintain horizontal chain spacing. • Horizontal bars: Aluminium bars of 152mm x 19mm, vertically spaced at 305mm o.c. (Optional: 229mm o.c., 152mm o.c. and 76mm o.c. spacing available) to form a brick or straight pattern. • Hine panels: 51mm high continuous interlocking aluminium panels at the top and bottom of the closure.	**7.3** kg/m2

CURTAIN CONSTRUCTION AND WEIGHT

MODEL	CURTAIN CONSTRUCTION	WEIGHT
AIR WAVE	• Curtain constructed of 1.83mm thick x 152mm thick aluminium panels. • Panels framed by full height butt hinges on 178mm centres, full height between top and bottom closure panels. • Perforated Steel Panels are made of 3.2mm thick by 152mm wide, steel panels, full height between top and bottom closure panels. Panels perforated with round holes 3mm diameter round holes in a staggered pattern. • Calculated airflow, Through Panel: 47%, Through Closure: 39%.	**11** Kg/m2
CLEAR WAVE	• Curtain constructed of 1.83mm thick x 152mm thick 6063 aluminium alloy panels. • Panels framed by full height butt hinges on 178mm centres, full height between top and bottom closure panels. • Glazing Panels is made of 3.2mm thick by 152mm wide, clear, self-extinguishing Lexan panels in co-extruded neoprene. • PVC gaskets and aluminium panels (framed by full height butt hinges on 178mm centres). Fire retardant insert is available on request to comply with class 0 and class 1 requirement.	**11** kg/m2
BARRIER WAVE	• Curtain constructed of 1.83mm thick x 152mm thick aluminium panels. • Panels framed by full height butt hinges on 178mm centres, full height between top and bottom closure panels. • Solid Aluminium Panels made of 1.83mm thick by 152mm wide, solid aluminum panels, full height between top and bottom closure panels.	**12** kg/m2

FULL RANGE OF ROLLER SHUTTERS AVAILABLE

ECO WAVE
Economical and lightweight

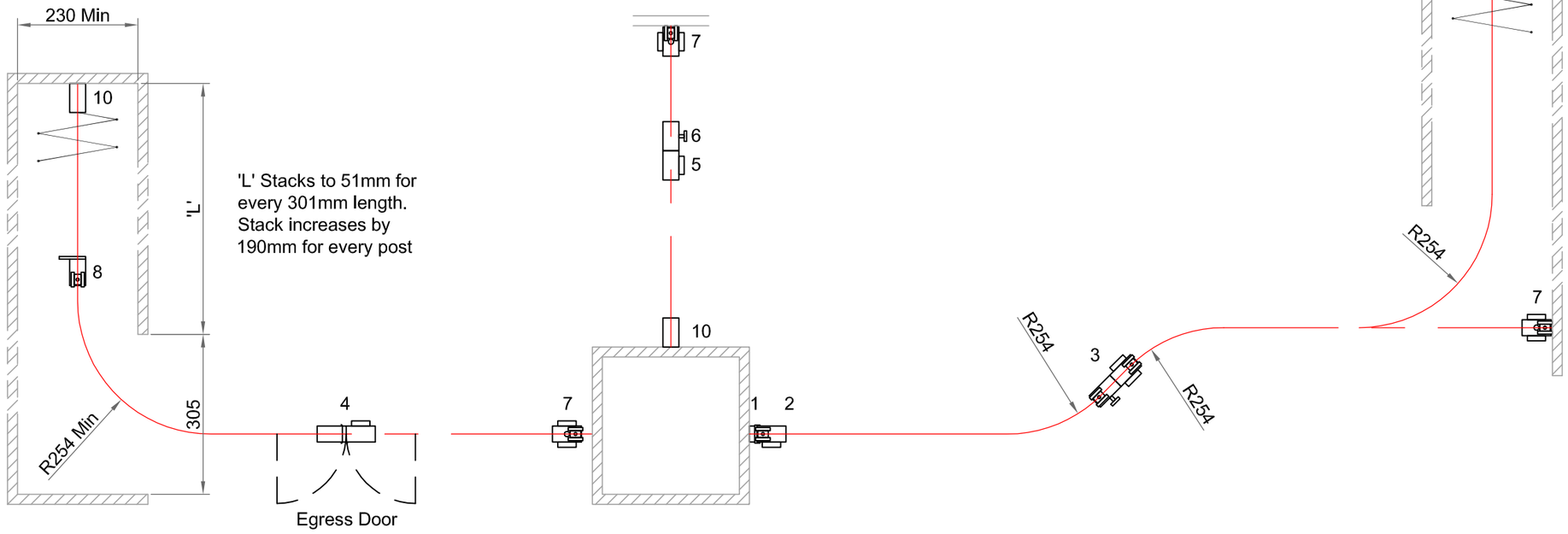
AIR WAVE
Protection, airflow and visibility

CLASSIC WAVE
Better security for lower cost

CLEAR WAVE
Maximum visibility, high security

LIGHT WAVE
Open space, higher level of security

BARRIER WAVE
Maximum security protection



See DWG DD-02 for Post Details

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UNLESS OTHERWISE INDICATED
ALL DIMENSIONS IN MILLIMETERS

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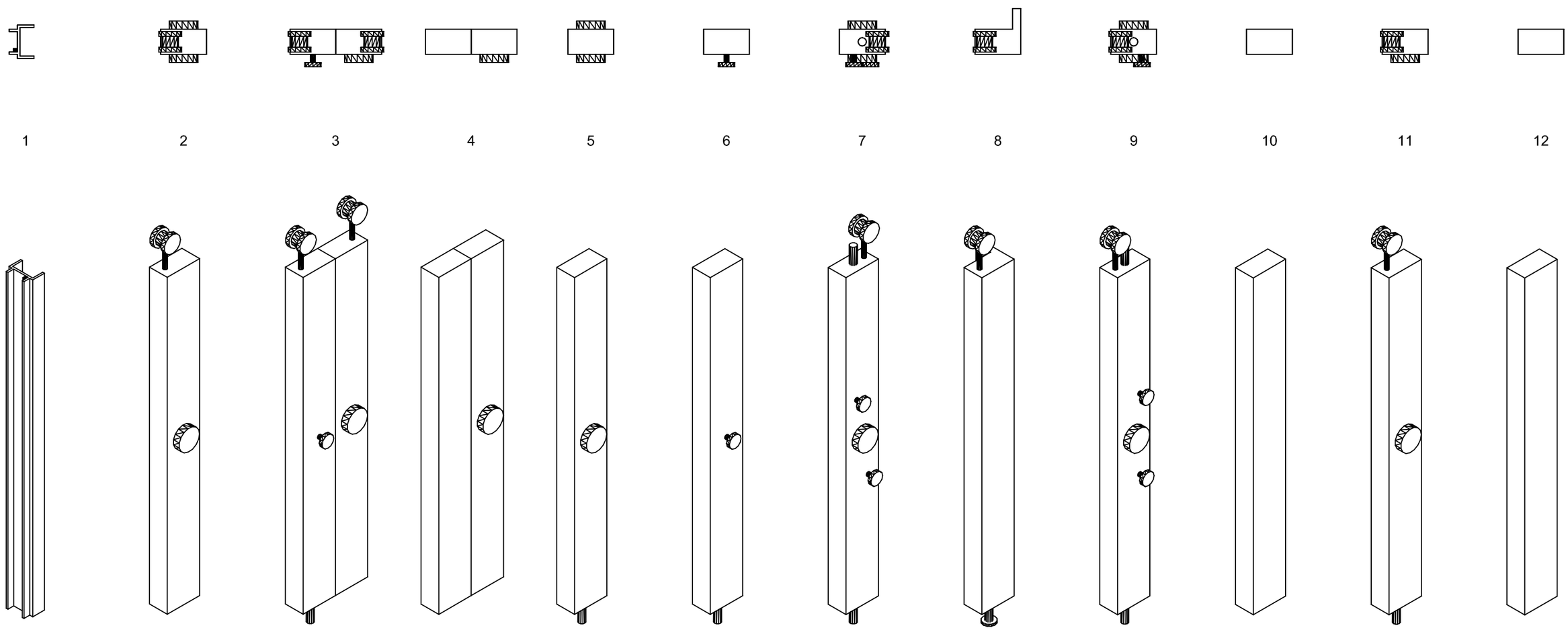
TITLE

Samples of Configuration
Sliding Grilles

Job No:

Guardian maintains a policy of progressive design and we reserve the right to modify specifications without prior notice or alteration to this drawing

ISSUE	DATE	APP'D



1. Wall Jamb
2. Lead Post
3. Bi-Part c/w Drop Bolt on one Post
4. Egress Door
5. Intermediate Post c/w Cylinder & Drop Bolt
6. Intermediate Post c/w Knob & Drop Bolt
7. Top & Bottom Post c/w Drop Bolts
8. Trailing Back Post
9. Three Way Locking Post c/w Drop Bolts
10. Fixed End Post
11. End post c/w Drop Bolt, Track Stop & Back Plate
12. Connecting Post

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Vertical Posts Sliding Grilles

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