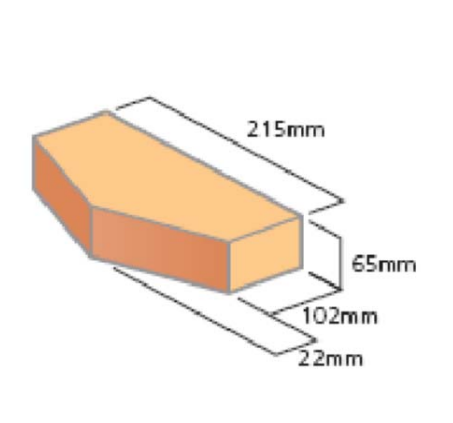
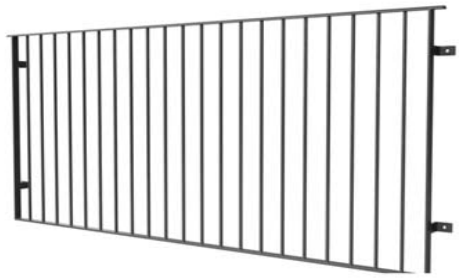


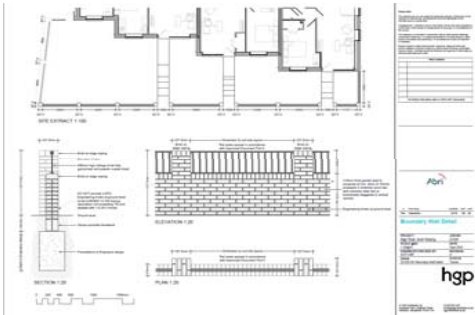
EXTERNAL MATERIALS SCHEDULE - ELGAR ROAD, SOUTH READING					
ELEMENT	PRODUCT / SUPPLIER	COLOUR / SPECIFICATION / MATERIAL	MATERIAL LOCATION	MATERIAL IMAGE	PRODUCT DATA SHEET
Brick type 1 - Main facing brick	lbstock	The Brunswick Wilton Yellow clay brick, manufactured by lbstock, is a perforated, wirecut facing brick that is buff / yellow / multi in colour with a light texture to be laid in a stretcher bond.	All planning elevations marked on the drawings with a planning reference of No.1		https://brickwholesale.co.uk/lbstock-brunswick-wilton-yellow-wirecut-facing-brick-pack/?attachment_id=51132&download_file=524u09uayw0ot&_gl=1*1slx5d4*_up*MQ..*_gs*MQ..&qclid=CjwKCAiAlfvIBhA6EiwAcErpydHW0Zxy-kMfP5_JbRIubzHAZkXedXHmbhhWGMsQgcZjwTOeiZxO9KxoCKQMqAvD_BwE&qbraid=0AAAAACyBnHldJkBPEMXHfMWPIJ4o7fiaS
Brick type 2 - Detailing brick	lbstock	The Cheddar Golden clay brick, manufactured by lbstock, is a perforated, wirecut facing brick that is cream / yellow in colour with a smooth texture.	All planning elevations marked on the drawings with a planning reference of No.2		https://brickwholesale.co.uk/lbstock-cheddar-golden-wirecut-facing-brick-pack/?attachment_id=51012&download_file=524u09uayw0ot
Brick type 2 - Pattern of detailing brick	lbstock	The Umbra Sawtooth Cheddar Golden special clay brick, manufactured by lbstock, is a perforated, wirecut facing brick that is cream / yellow in colour with a smooth texture.	All planning elevations marked on the drawings with a planning reference of No.2		https://lbstock.co.uk/products/special-shapes/umbra#4Dum9UYK75SToxUNa9u2Ox

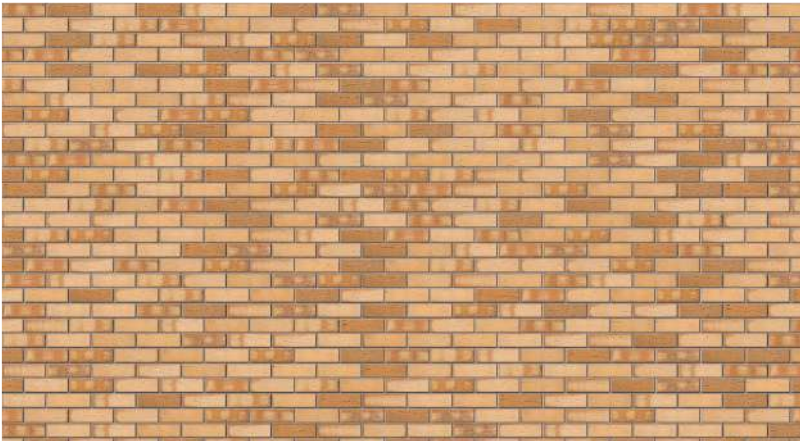
Brick mortar	CPI	CPI Mortar Natural Bucket Handle Mortar Pointing	All brickwork scenarios.		https://url.avanan.click/v2/r02/_https://www.cpieuromix.com/wp-content/uploads/2018/11/CPI-MASONRY-MORTAR-DATASHEET.pdf_YXAxZTpoZ3AtYXJjaGl0ZWN0cy1hMjE0MTU0ODphOm86MDdjNDI3MWUxYzYzMGFhMmQ0MmJiNmIwZjg0NTEzMzA6NzowMmlxOiJlM2UzOTM4YmE4M2NhODBmODI5NDU1N2ZlODAzNjY1Y2VlMGY2ZDk0MDQxNDgxZDhkOGFhNTBjMDU2NTUwYTc6aDpUOkY
Roof tiles	Redland	Redland Renown Concrete Tiles in Slate Grey.	Roof.		https://cdn.shopify.com/s/files/1/0811/4601/files/redland_renown_product-datasheet0.pdf?5108
Block paving	Marshalls	Marshalls Standard Block Paving in Charcoal colour.	Access road adjacent to main entrance.		https://www.marshalls.co.uk/gardens-and-driveways/products/standard-concrete-block-paving
Block paving	Marshalls	Marshalls Standard Block Paving in Bracken colour.	Parking bays.		https://www.marshalls.co.uk/gardens-and-driveways/products/standard-concrete-block-paving

Entrance paving to the front units	Marshalls	Marshalls Textured Utility garden paving in Buff.	Entrance paving to the front units		https://www.marshalls.co.uk/gardens-and-driveways/products/textured-utility-paving
Paving to patio areas	Marshalls	Marshalls Textured Utility garden paving in Buff.	Patio areas to the rear of the development.		https://www.marshalls.co.uk/gardens-and-driveways/products/textured-utility-paving
Self binding gravel	TBC	Self binding gravel – Natural/Sand colour	Amenity space		N/A
Juliet balconies	Catnic	All Catnic Juliet balconies are fully submerged in a zinc bath after manufacture to BS EN ISO 1461:1:1999, fully protecting every surface, cut edge and weld with a metallurgically bonded zinc coating. All balconies are compliant with both the Building Regulations Part K2:1998 (2000) and BS 6180:2011 Code of practice for protective barriers in and about buildings. All balconies are designed, manufactured and tested to meet building regulations and NHBC technical requirements	6no. Juliet balconies are located on the front (east) elevation and 6no. Juliet balconies are located on the rear (west) elevation.		https://catnic.com/assets/content/Datasheets/Catnic-Juliet-Balconies-Datasheet.pdf

Play area railings	F.H. Brundle	Fortitude bow top concrete in panel for fencing applications can turn a perimeter fence into an attractive feature. RoSPA bow top railings and gates are designed to give you peace of mind in terms of finger traps, head and neck traps, dog control, minimising clothes entanglement and is safe from sharp edges.	Play area at rear of development.		https://www.fhbrundle.co.uk/products/51RBTC1212BM_ROSPA_Bowtop_Concrete_In_Fence_1200mm_x_12mm_Bar-PPC_Black_-_Metre
Entrance door canopy	Stormking	Stormking GRP Flat Entrance Door Canopy (RAL – 7016 – Anthracite Grey)	Canopy located on the side (north) elevation over the main entrance.		https://stormking.co.uk/entrance-door-canopy-range/flat/
Window profiles	Rationel	Alu clad windows are constructed from solid timber structure, with the addition of external aluminium cladding. This cladding provides a far increased life expectancy of the windows, and provides you with a window which requires minimal maintenance (RAL – 7016 - Anthracite Grey)	Throughout proposed development		https://rationel.co.uk/windows/
Window obscure glazing type / level	Pilkington Glass	Cotswold textured glass level 5	Windows to wet rooms		https://www.ukglasscentre.co.uk/cotswold%20-pilkington-glass

Roof lights	Velux	CK and PK Ranges of the VELUX top-operated, centre-pivot roof window GGL is easy to operate and gives the freedom to place furniture underneath. The innovative top control bar allows you to install the window at a lower position to get an excellent view while standing and even when seated.	Throughout proposed development		https://contenthub.velux.com/api/public/content/a4076-aedcc-4d419_downloadOriginal?v=c35a3966&_hstc=241362461_a9fbbd8edda3b480744d76ba95e1f08f.1760696497700.1762791982057.1763648032231.3&_hssc=241362461.11.1763648032231&_hsfp=2072324922
Fascias / soffits	Swish Building Products	uPVC Swish Bullnosed Fascia (White)	Throughout proposed development		https://www.swishbp.co.uk/files/7017/5759/0090/Swish_Range_Guide_Sept_2025.pdf
Rainwater goods	MKM Building Supplies	The Marley RGD Deepflow Gutter is a 4-metre long, black PVC-U gutter measuring 110mm wide and 75mm thick.	Throughout proposed development		https://mkm.com/product/deepflow-gutter-110-x-75-mm-4-m-black-1031269
External letterbox	The Safety Letterbox Company	Safety Letterbox Company – COM-1-TS009 (RAL – 7016 – Anthracite Grey)	Main mailboxes located on the side (north) elevation adjacent the main entrance. Individual post boxes to plots 01-03 located adjacent the individual entrance doors on the front (east) elevation.		https://www.safetyletterbox.com/wp-content/uploads/2025/11/COM-1-TS009-Vertical.pdf

Entrance gates	Jacksons Fencing	Jacksons Fencing – Automated Single Leaf Gate (RAL – 7016 – Anthracite Grey)	Entrance gates located on main entrance to the development on the side (north) elevation.		https://www.jacksons-security.co.uk/gates-and-gate-automation/swing-gates
Replacement boundary fence	Jacksons Fencing	1800mm Close Board Fence on Concrete Gravel Board and Posts	Site boundary.		https://www.jacksons-fencing.co.uk/-/media/timber-spec-sheets/other-products/traditional-featherboard-fencing---spec-sheet.pdf
Front boundary wall and railings	TBC	The Brunswick Wilton Yellow clay brick, manufactured by Ibstock, is a perforated, wirecut facing brick that is buff / yellow / multi in colour with a light texture to be laid in a stretcher bond. Railings (RAL – 7016 – Anthracite Grey)	Front facing site boundary		Please refer to drawing 25.036-301-Boundary Wall Detail

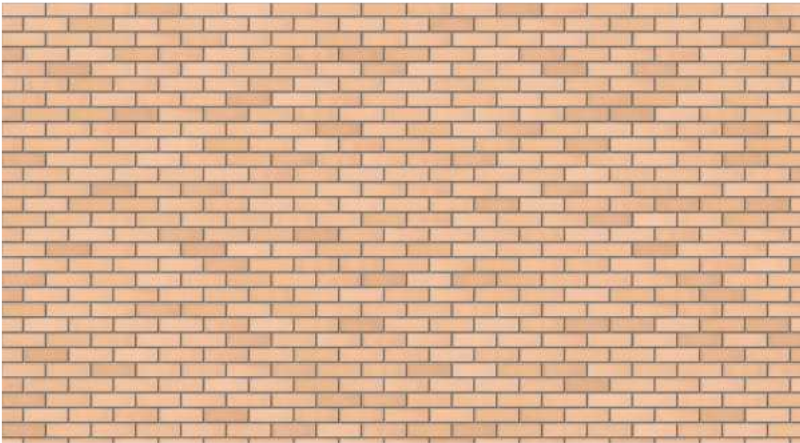


Product Information

Ibstock Code:	A0643A
Type:	Wirecut Extruded
Facing Description:	Rolled
Dry Brick Weight (kg):	2.2kg
Pack Quantity:	500
Packaging (standard):	Banded (Plastic)
Factory:	Cattybrook
EPD:	

Technical Specification (to BS EN 771-1)

Brick Dimensions (L x W x H mm):	215x102x65
Size Tolerances Mean & Range:	T2 R1
Configuration:	Vertically Perforated
Voids (%):	25-30
Compressive Strength (N/mm²):	50
Active Soluble Salts:	S2
Water Absorption (% weight):	12
Durability:	F2
Gross Dry Density (Sound Insulation) (Kg/m³):	1520
Equivalent Thermal Conductivity "K" value 5% Exposed:	1.09
Initial Rate of Absorption (Suction Rate) (Kg/m²/min):	1
EAN:	5.03634E+12



Product Information

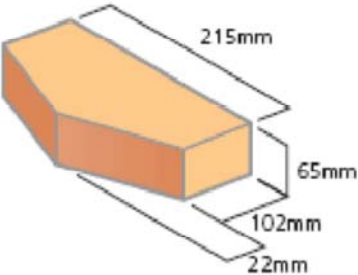
Ibstock Code:	A0611A
Type:	Wirecut Extruded
Facing Description:	Smooth
Dry Brick Weight (kg):	2.4kg
Pack Quantity:	500
Packaging (standard):	Banded (Plastic)
Factory:	Cattybrook
EPD:	

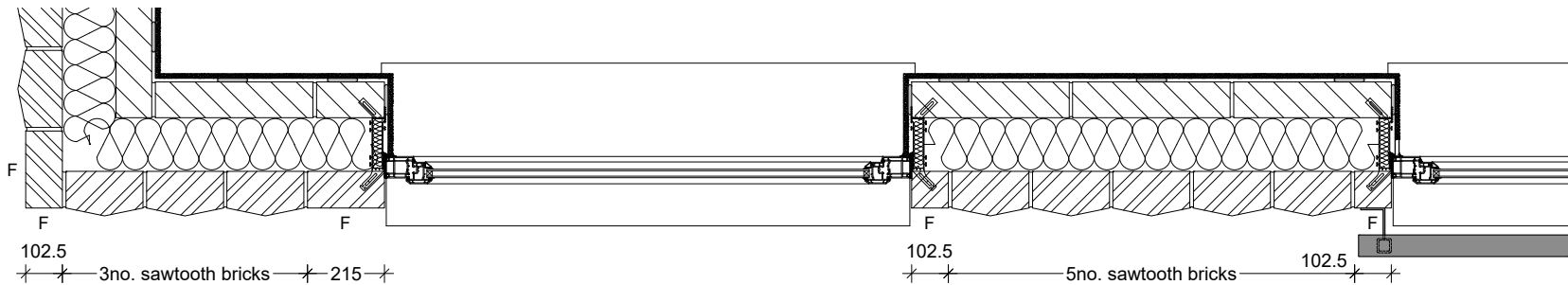
Technical Specification (to BS EN 771-1)

Brick Dimensions (L x W x H mm):	215x102x65
Size Tolerances Mean & Range:	T2 R1
Configuration:	Vertically Perforated
Voids (%):	25-30
Compressive Strength (N/mm²):	50
Active Soluble Salts:	S2
Water Absorption (% weight):	12
Durability:	F2~
Gross Dry Density (Sound Insulation) (Kg/m³):	1630
Equivalent Thermal Conductivity "K" value 5% Exposed:	1.1
Initial Rate of Absorption (Suction Rate) (Kg/m²/min):	0.3
EAN:	5.03634E+12

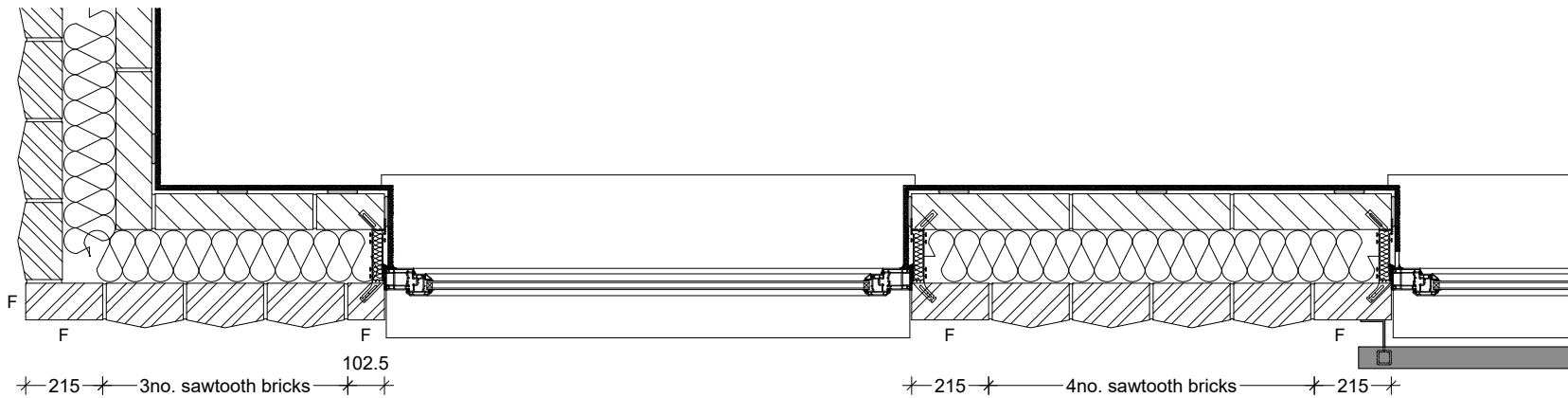
Umbra Sawtooth

- Available as 65mm or 215mm high
- Available in a variety of colours.

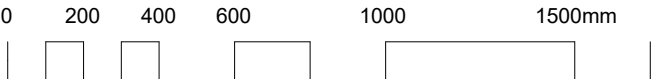
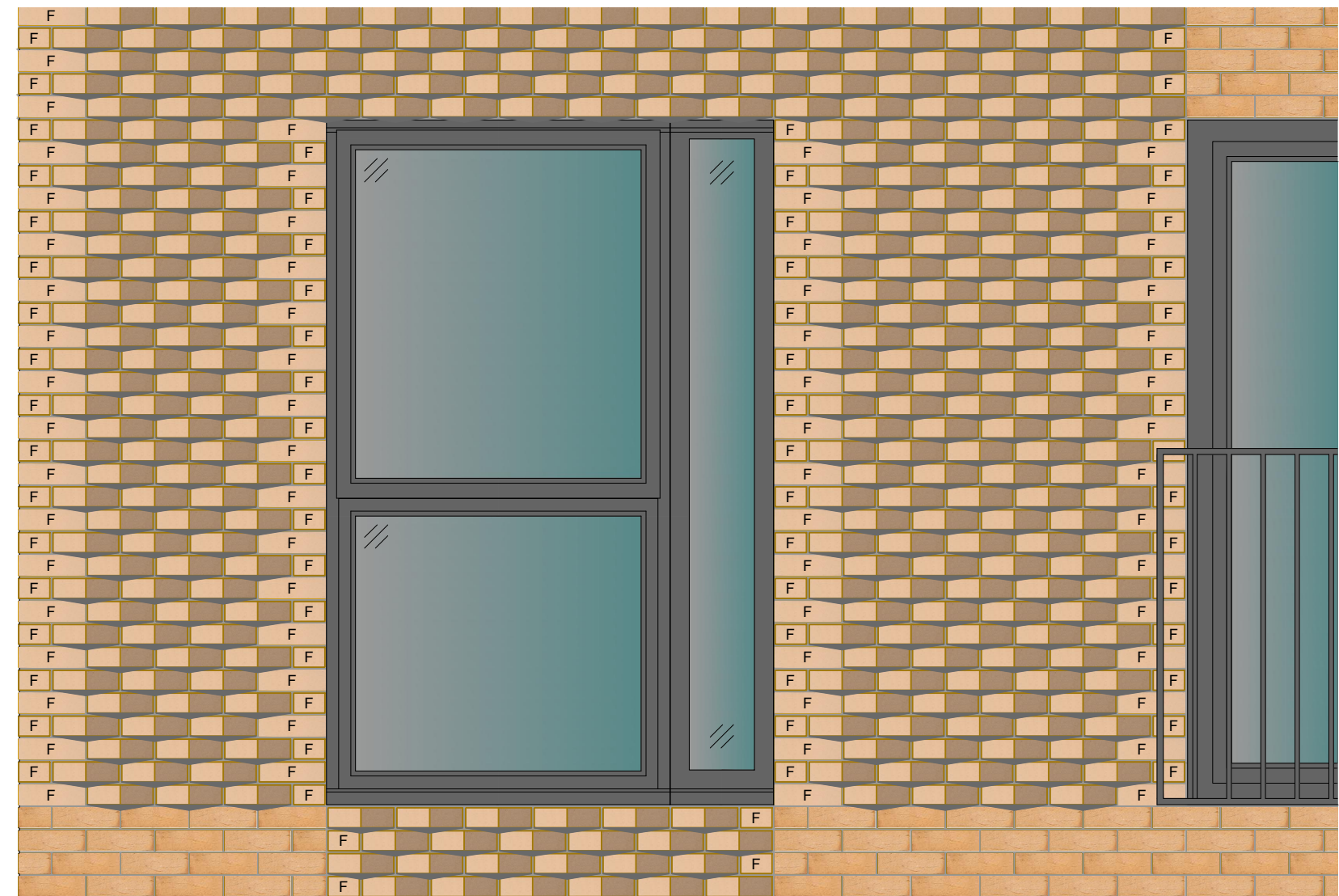




Detailed brickwork course B



Detailed brickwork course A



- Key:
- Ibstock Brunswick Wilton Yellow clay brick
 - F Ibstock Golden clay brick (flush with main wall)
 - Ibstock Golden clay brick (Umbra Sawtooth)

Please Note:

This drawing can only be scaled for planning purposes. Dimensions to be checked on site and any discrepancies are to be highlighted to the Architect prior to construction.

Topographical / Ordnance Survey information shown has been prepared by a third party, HGP accept no responsibility for accuracy or completeness of the survey.

This drawing is to be read in conjunction with all other project drawings, construction notes and / or project specifications including those by other project consultants and specialists. All discrepancies should be reported immediately.

Design subject to detail development / approval. Measurements and accommodation schedules subject to amendments following coordinated input by others. Costings cannot be finalised until approval /confirmation by relevant authorities and Client.

Risk Schedule	
For further information refer to HGP's M07 documents	



A	First issue.	11/12/25	CMF	RLC
Rev.	Description	DATE	DB	CB

Feature Brickwork Detail

PROJECT	JOB NO.
Elgar Road, South Reading	25.036
SCALE @A3	DATE
1:20@A3	Dec 2025
DRAWN BY/CHECKED BY	REVISION
CMF/RLC	A
DWG#	STATUS
25.036-321-Feature Brickwork Detail	Tender

hgp

MASONRY MORTARS

PRODUCT DATASHEET

SEPTEMBER 2018 | EUROMIX DRY MORTAR SYSTEM | VERSION 1



1. Identification

1.1 Introduction

EuroMix Masonry Mortars are factory produced mortars consisting of dried sands, cement and other additives.

1.2 Authority

EuroMix Masonry Mortars are manufactured under a registered ISO 9001 Quality System.

Materials used comply with the following standards:

Sand	BS EN 13139
Cement	BS EN 197-1
Lime	BS EN 459-1
Admixtures	BS EN 934-3
Pigments	BS EN 12878

Admixtures do not contain calcium chlorides. Water added on site should be clean and free from impurities. EuroMix Masonry Mortars should be used in accordance with BS EN 1996.

2. Description

2.1 Manufacture

All raw materials and end products are subject to regular quality control procedures and testing.

Dried sand and other materials are weighed and mixed under computer control with rigorous quality control procedures.

2.2 Mortar Strength Classes

EuroMix Masonry Mortars comply with BS EN 998-2 as set out in the table below.

Class	M2	M4	M6	M12
28 Day Prism Strength N/mm ²	2	4	6	12

2.3 Colour

The inherent colour variations that can be associated with naturally sourced materials can be minimised with the use of pigments.

EuroMix Masonry Mortars are available in an extensive range of colours. Copies of our Colour Shade Guide and samples are available on request.

3. Performance

EuroMix Masonry Mortar mix designs have been formulated to achieve excellent workability, water retention and consistent rate of hardening.

The hardened mortar should have adequate bond, compressive strength, durability and uniformity of appearance.

4. Silo

EuroMix Masonry Mortars are delivered to site in a Silo complete with all necessary mixing equipment.

After connecting power and water supplies, the system is ready for use. Once the water flow rate is adjusted to give mortar of the required workability, it is simply a question of push-button operation to produce consistently high quality mortar whenever it is needed.

The Silo Mixing Station will discharge the mortar directly into a tub.

This equipment can be used by any site operative once they have been given basic instruction and issued a Trained Operators Card by a EuroMix Service Technician.

5. Bags

EuroMix Masonry Mortars are also available in 25Kg and bulk bags.

5.1 Mixing Instructions

Place the product into a traditional concrete mixer. Start the mixer and add approximately 4 to 5 litres of clean water per 25Kg of dry product.

Mix continuously for 3 to 4 minutes until the required workability and consistency is achieved.

Over mixing will be detrimental to strength and durability of the mortar.

Do not add any additional materials. All components required are within the mix.

Do not re-temper or add further water after initial set.

5.2 Additional information

The mortar is ready for pointing once laid when stiffened to the point that a thumb-print is barely visible.

Mortar should be pointed at a consistent stiffness. Failure to do so may result in colour variation.

Normal site curing practices should be followed including protecting the brickwork after construction.

6. Prices and Conditions of Sale

Our local sales representative will be pleased to provide quotations for specific projects. All quotations are subject to our Conditions of Sale, a copy of which is available on request.

7. Health & Safety

For health and safety information – see Material Safety Datasheet.

8. Technical Services

8.1 Mortar Testing

Where site testing of mortar is required, strict adherence to recommended testing procedures is essential. Contact EuroMix for further advice or assistance.



EMAIL:

info@cpiuromix.com



VISIT US:

www.euromix.com



HELPLINE:

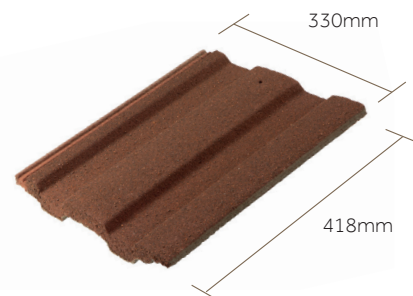
0845 850 9090

Renown

Designed to blend unobtrusively into any environment, Renown is easy and quick to cut and fix, making it ideal for shorter lead time new build or refurbishments.

KEY ADVANTAGES

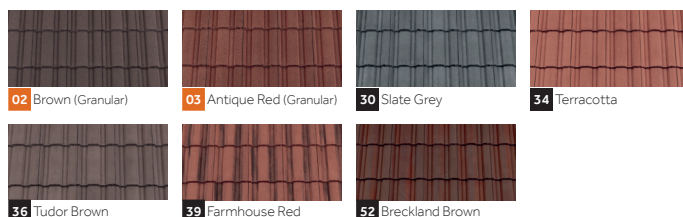
- Seven colours to provide a match with every regional roofing style
- Exceptional wind and driving rain performance
- Quicker installation saves time and money



PRODUCT DATA

Size (overall)	418 x 330mm
Minimum Pitch and Headlap	
Through coloured	17.5° at 100mm headlap / 22.5° at 75mm headlap
Granular	22.5° at 100mm headlap / 30° at 75mm headlap
Maximum Pitch (subject to fixing specification)	90°
Maximum Headlap	125mm
Minimum Gauge/Batten Spacing	293mm
Maximum Gauge/Batten Spacing	
Through coloured	below 22.5° at 318mm / 17.5° and over 343mm
Granular	below 30° at 318mm / 30° and over 343mm
Hanging Length (approx.)	397mm
Cover (all figures are net and do not allow for wastage)	
Linear cover of 1 tile	300mm
Covering capacity	10.5 tiles/m ² at 318mm gauge / 9.7 tiles/m ² at 343mm gauge
Weight (at max. gauge approx.)*	43kg/m ² at 318mm gauge / 40kg/m ² at 343mm gauge
per pallet, including pallet (approx.)	1.05 tonnes
per 1000	4.14 tonnes
Battens Required (at max. gauge)	2.92m/m ²
Batten Size	
Rafter centres up to 450mm	38 x 25mm
Rafter centres up to 600mm	50 x 25mm
Fixing Clips	Eaves, Verge & Tile Clips
Nail Size for Tiles**	50 x 3.35mm (A/A)
Pallet Quantities	Tiles per pallet 240 / Tiles per pack 40 / Packs per pallet 6

*All weights nominal ** (A/A) Aluminium Alloy



FITTINGS & ACCESSORIES

VERGE

Cloaked Verge
Ambi-Dry Verge
Rapid Verge

HIP PRODUCTS

Third Round Hip
Dry Hip
Rapid Hip

VALLEY PRODUCTS

GRP 125 Valley
Dry Valley

RIDGE PRODUCTS

Half Round Ridge
Half Round Monoridge

VENTILATION SYSTEMS

RedVent EavesVent
RedVent 25 Over-Fascia Vent
Top Edge Abutment Ventilation
DryVent Ridge
Rapid Vented Ridge
Uni-Vent Rapid Ridge/Hip
DryVent Monoridge
RedLine Ventilation Tile
Rapid Roof Vent
8.8k ThruVent Tile



Renown Product Codes

TILES

Standard Tile (shown above)	1501
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UNDERLAYS

Spirtech 400 2S underlay	9202
Divoroll Elite 2S	9157
Divoroll Universal 2S	9156

EAVES PRODUCTS

RedVent EavesVent 350-450mm (6m)	9189
RedVent EavesVent 450-600mm (6m)	9190
Extension Trays 350-450mm (6m)	9498
Extension Trays 450-600mm (6m)	9499
Rapid EavesVent 2-in-1 Tray	9988
Rapid EavesVent Rafter Roll (6m)	9984
RedVent 25 Over-Fascia Vent (6m)	9593
Underlay Support Tray (1.5m)	9076

VERGE PRODUCTS

Cloaked Verge LH	7277
Cloaked Verge RH	7278
Half Tile	7710
DryVerge (Pack of 18 LH & 18 RH)	9390
DryVerge Gable End Pack	9880
Rapid DryVerge (Pack of 18 LH & 18 RH)	9391
Rapid DryVerge Gable End Pack	9881

HIP PRODUCTS

Dry Hip (2.7m)	9046
Continuous Hip (5m)	9028
Third Round Hip/Ridge Junction	9521
Uni-Vent Rapid Ridge/Hip (10m)	9313
Uni-Vent Rapid Hip Support Tray (1.2m)	9069
Third Round Hip (without nail holes)	8122
Third Round Hip (with nail holes)	7411
Hip Iron	9258
Third Round Block-End Hip	7784
Mortar Bedded Fixing Kit	9314

VALLEY PRODUCTS

GRP 125 Valley (3m)	9595
Dry Valley (Low Profile) (3m)	9574
Universal Valley Trough Tile	7175

ABUTMENT PRODUCTS

Top Edge Abutment Ventilation Pack (3m)	9543
Wakaflex Rapid Flashing	
Bonding Gutter (3m)	9578

RIDGE PRODUCTS

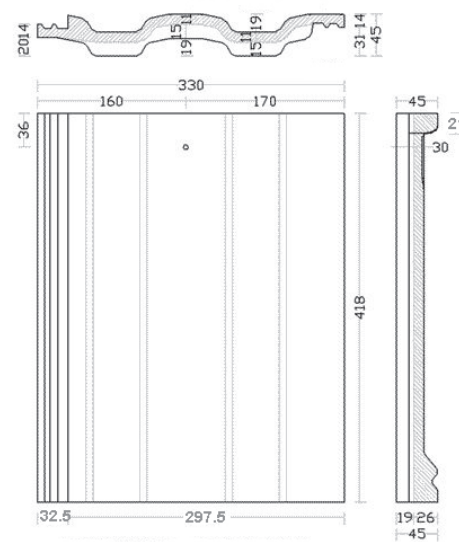
DryVent Ridge (2.7m)	9097
Uni-Vent Rapid Ridge/Hip (10m)	9313
Continuous Ridge (5m)	9304
Ridge Vent Terminal	7253
Ridge Vent Terminal Adaptor	9175
Flexible Pipe (100 to 100mm)	9172
Gas Flue Ridge Terminals	7241
Gas Flue Extension Adaptor	9143
Gas Flue Blanking Plates	9098
Half Round Ridge	8101
Half Round Ridge Block-End	7519
DryVent Monoridge (2.7m)	9081
Half Round Monoridge	7203
Half Round Block-End Monoridge LH	7266
Half Round Block-End Monoridge RH	7267
Mortar Bedded Fixing Kit	9314
Ridge End Cap Half Round	9772
Ridge End Cap Half Round	9772

VENTILATION TILES

RedLine Vent Tile	9116
8.8k ThruVent Tile	7932
Flexible Pipe (100 to 100mm)	9172
Rapid Roof Vent	9127
Rapid Roof Vent Adaptor	9791

FIXING

Tile Clip	9185
Verge Clip	9297
Eaves Clip	9186
Eaves Clip Nail (812)	9338
Tile Nail (680)	9333
Kro-Clip (50)	9142
Innofix Clip (500)	9823



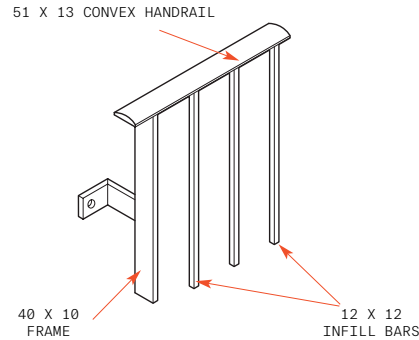
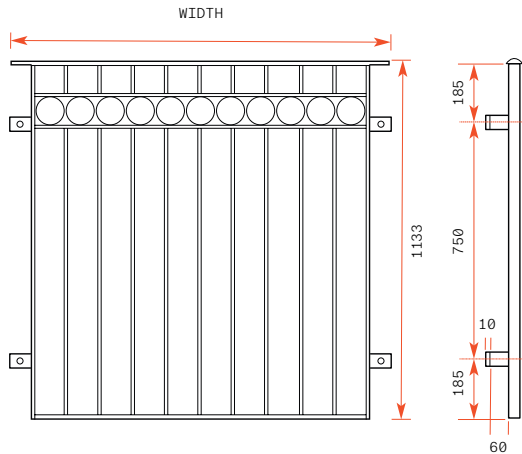
BMI UK & Ireland
BMI House,
2 Pitfield, Kiln Farm,
Milton Keynes, MK11 3LW
+44 (0) 3705 601000

www.bmigroup.com/uk

We are committed to continuously enhancing and improving our product range. We reserve the right to change our product specifications. We reserve the right to correct any typographical or clerical error or omission. For the latest information contact customer service.

Juliet Balconies

Named after the famous balcony scene from Shakespeare's Romeo and Juliet the shallow balcony is designed to provide a decorative safety barrier in front of French windows.



Juliet Balconies are ideal for:

- ✓ Housing developments
- ✓ Hospitals
- ✓ Apartments
- ✓ Nursing homes
- ✓ Three storey townhouses
- ✓ Student accomodation
- ✓ Schools

Standard Designs

The standard range of Juliet Balconies offers three classic balcony designs available to choose from.

Standard Sizes

Catnic standard range of Juliet Balconies are available in width increments of 100mm from 1200mm to 3000mm*. As a general guideline to determine the size of balcony required take the clear opening width and add 300mm and select the next available incremental width.

*Usk range only available up to 2500mm

For example

1. Clear opening 1350mm.
2. Add 300mm 1650mm.
3. Actual balcony size 1700mm.

Catnic

Pontypandy Industrial Estate Caerphilly CF83 3GL United Kingdom

+44 (0)29 2033 7900 | catnic.technical@tatasteeleurope.com

www.catnic.com

Care has been taken to ensure that the contents of this publication are accurate, but Tata Steel Europe Limited and its subsidiaries, which includes Tata Steel UK Limited, do not accept responsibility or liability for errors or information that is found to be misleading. Before using products or services supplied or manufactured by Tata Steel Europe Limited and its subsidiaries, customers should satisfy themselves as to their suitability.

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Usk



Finish

All Juliet Balconies are fully submerged in a zinc bath after manufacture, to BS EN ISO 1461:1999, fully protecting every surface, cut edge and weld with a metallurgically bonded zinc coating. In addition, a black powder coated finish is available on request.

Bespoke Designs

To discuss your requirements please contact Catnic technical services on **029 2033 7900**.

Installation

Depending on the wall construction, balconies can generally be face fixed to the external leaf of the building using 4 masonry fasteners* (not included). All balconies (unless otherwise specified) incorporate pre-drilled fixing brackets suitable for M12 masonry fasteners.

A balcony that is 300mm wider than the clear opening will have a minimum distance of 139mm from the centre of the fixing to the edge of the clear opening. The required minimum edge distance for the fixing will depend on the fixing type/wall construction and should be checked by a structural engineer.

Monmouth



Catnic Recommended Balcony Installer

Installation service is available from Catnic Approved Balcony Installers. Please contact Catnic customer services on 029 2033 7900 to find your local installer.

Availability

Juliet Balconies are available to order through any Catnic stockist. All standard Juliet Balconies are available in 15 working days from receipt of order. Lead times for non-standard sizes and/or designs are available upon request.

Prices

Prices available on application. Contact your Catnic Area Sales Manager or Catnic Customer Services on **029 2033 7900**.

Brecon



Regulatory Authorities Approval

All balconies are designed, manufactured and tested to meet building regulations and NHBC technical requirements.

Catnic Juliet Balconies are compliant with:

- Building Regulations Part K2:1998 (2000).
- BS 6180:2011 Code of practice for protective barriers in and about buildings.

Note: * Fixings are not supplied by Catnic. Fixings are to be determined by the project's structural engineers on the assumption that the wall construction is capable of withstanding the applied load in line with BS 6399 Part 1.

Catnic

Pontypandy Industrial Estate Caerphilly CF83 3GL United Kingdom

+44 (0)29 2033 7900 | catnic.technical@tatasteeleurope.com

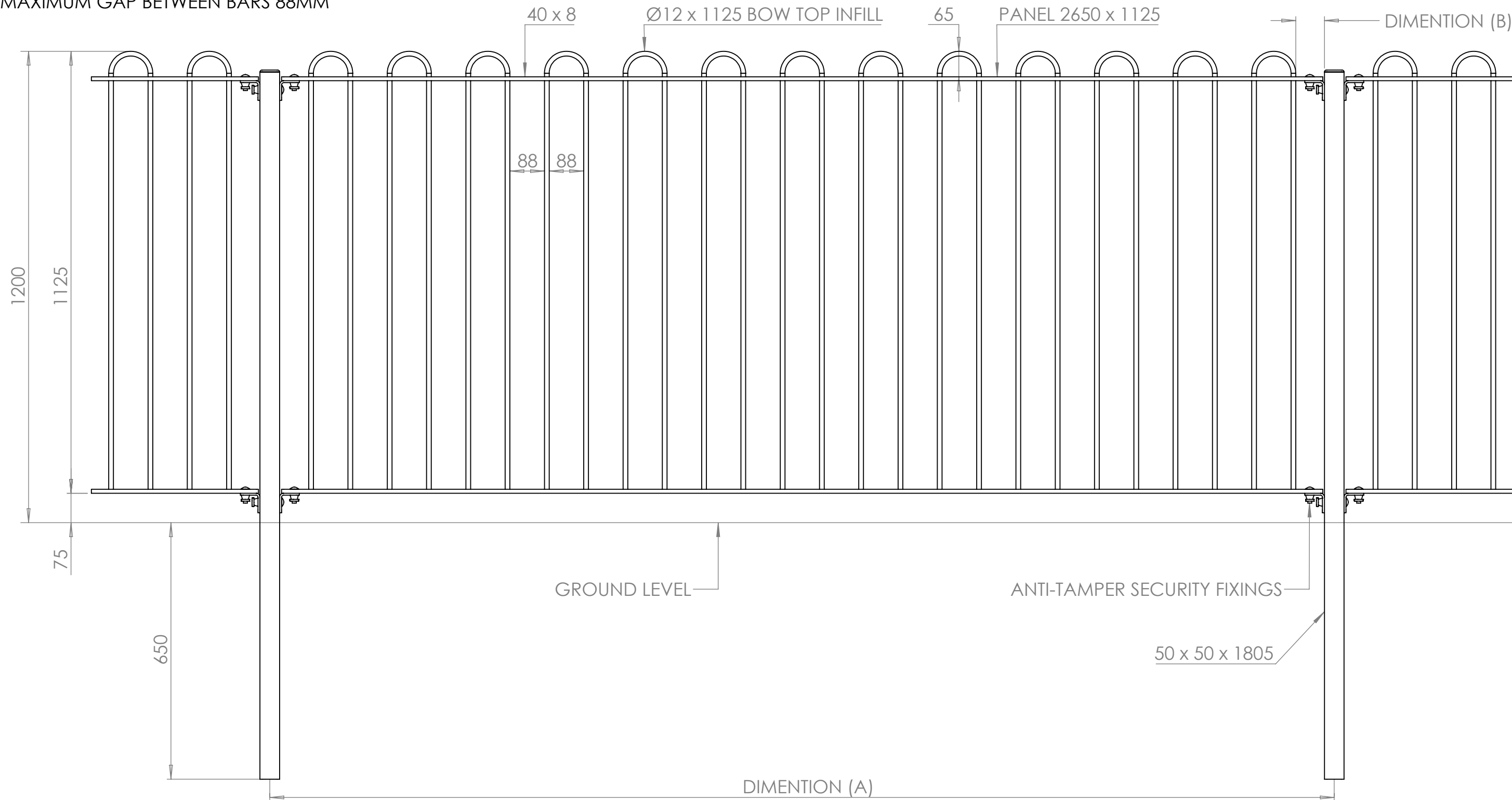
www.catnic.com

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SPECIFICATION

HORIZONTAL RAILS - 40 X 8 FLAT BAR
BOW TOP INFILL - Ø12 X 1125
MIDDLE POSTS - 1800MM + 5MM WELDED CAP GROUND SMOOTH
NO SHARP EDGES 5MM RADIUS ON ALL CORNERS
MAXIMUM GAP BETWEEN BARS 88MM



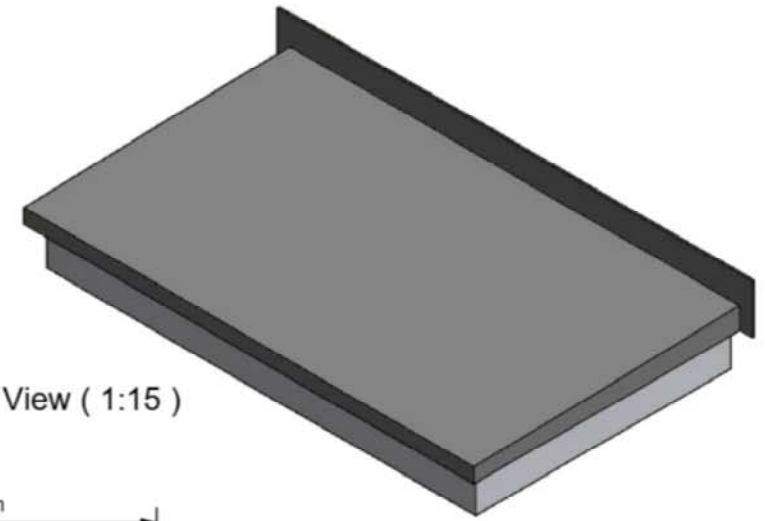
	Post Centres Dimention (A)	End Gap Dimention (B)
MAX POST CENTRES	2739mm	88mm
STANDARD POST CENTRES	2709mm	73mm
MIN POST CENTRES	2700mm	69mm

PART CODE	MATERIAL	FINISH
51RBTC1212M	Mild Steel	GALVANISED
51RBTC1212BM	Mild Steel	BLACK PPC RAL 9005

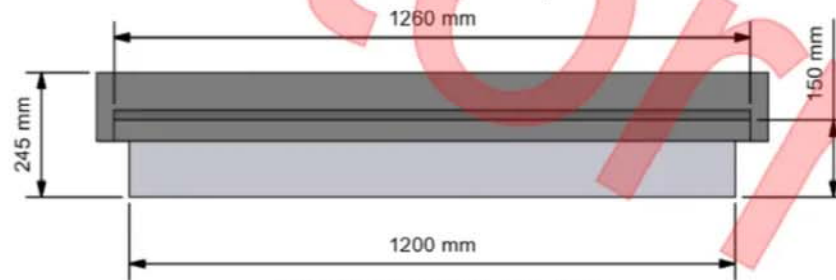
DESCRIPTION: 1200mm ROSPA Bowtop Concrete in Fence, Priced Per Metre, 12mm Bars - Galvanised					
	NAME	DATE	REVISION	UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MILLIMETERS	
DRAWN	GC	20/02/2019	A		
CHECKED				DO NOT SCALE DRAWING	SCALE:1:10



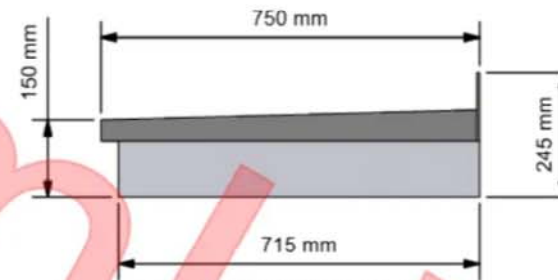
Plan View (1:15)



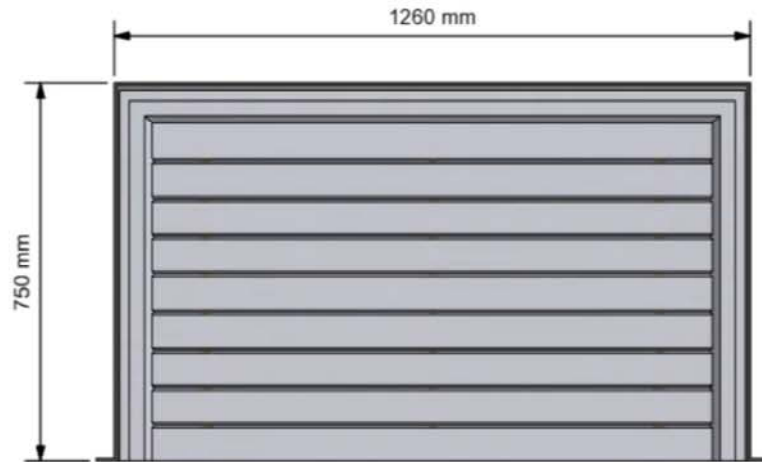
Auxiliary View (1:15)



Front Elevation (1:15)



Side Elevation (1:15)



View On Underside (1:15)

A.3	Rearrange Views Add To Vault	31/01/2023	DP
A.2	Change Soffit Projection To 715mm Was 720mm CN 377 (23/05/2013)	31/01/2023	DP
A.1	1st Production Issue (23/05/2013)	31/01/2023	DP
A	1st Issue (23/05/2013)	31/01/2023	DP
REV	DESCRIPTION	DATE	AUTHOR

REVISION HISTORY

 GRP BUILT OFF-SITE. SAVE TIME ON-SITE. www.stormking.co.uk Amington Point, Sandy Way, Amington Ind. Est, TAMWORTH, Staffordshire, B77 4ED	Description 1260 x 750mm Flat Top Contemporary Canopy	Designed by	Date	Manufacture Notes	Approved	Date	Drawing Number		
		Richard	31/01/2023		RS	31/01/2023	080450		
		Scale	Checked		Manuf. App	Manuf. App	Sheet	Of	Revision
			DP		RS	31/01/2023	1	1	A.3

Types and openings

Windows

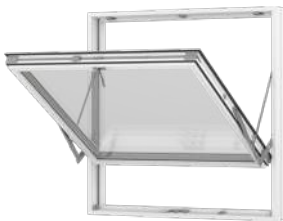
Hung, swung or guided: the drawings below show the range of styles available.
Contact Rational for information on different style combinations.



Topguided window

Elegant style that is suitable for all rooms. Simple, seamless opening function allows for effective ventilation when open, both above and below the sash. Clean look with no visible external hinges.

Min. width	Min. height	Max. width	Max. height
358mm	383mm	1,798mm	1,598mm



Fully reversible window

Multi-functional style suitable for multi-storey buildings. Sash can be turned to clean the glass from the inside. Comes with a child-proof opening limiter.

Min. width	Min. height	Max. width	Max. height
553mm	548mm	1,598mm	1,598mm



Fixed light

Simple style that allows for optimal views. Ideal when you need maximum internal light and solar heat. Can be fitted with trickle-vents for ventilation.

Min. width	Min. height	Max. width	Max. height
253mm	253mm	2,998mm	2,998mm

All maximum width and height measurements are subject to glass weight and specification.



Side hung window

Simple, stylish design with a seamless opening function. On larger windows, the friction brake allows the window to be fixed in any open position. Suitable as escape windows.

Min. width	Min. height	Max. width	Max. height
353mm	353mm	948mm	1,798mm



Side guided window

Minimalist design that moves seamlessly, with no visible external hinges. When fully open the glass can be cleaned from the inside..

Min. width	Min. height	Max. width	Max. height
453mm	438mm	998mm	1,798mm



Tilt and turn

Multi-functional style suitable for multi-storey buildings. Tilt function opens the top of the sash inwards for ventilation. Can be cleaned from the inside, and are perfectly suited as “escape windows” or emergency exits. **Available in AURAPLUS triple glazed only.**

Min. width	Min. height	Max. width	Max. height
478mm	438mm	1,298mm	2,400mm

All maximum width and height measurements are subject to glass weight and specification.



COTSWOLD SAMPLE – PILKINGTON GLASS

4mm Pilkington Textured Cotswold

- 4mm or 6mm thickness
- 150mm x 150mm
- Arrissed Edges (Sharp Edges Removed)
- Un-toughened glass sample
- Pilkington Cotswold textured glass provides level 5 privacy (high obscuration)
- We also provide the full range of Pilkington Textured Glass ranging from level 1 to 5 in privacy.

VELUX manual centre-pivot roof window GGL



The original VELUX top-operated, centre-pivot roof window GGL is easy to operate and gives you the freedom to place furniture underneath. The innovative top control bar allows you to install the window at a lower position to get an excellent view while standing and even when seated.

- Open the top control bar to the ventilation position for fresh air through a closed window.
- Easily rotate the window 180° for safe cleaning of the outer glass from the inside.
- Easily open and close the roof window – even with furniture placed underneath.
- Removable and cleanable ventilation filter protects your home from dust and insects while ventilating.
- Quickly and easily add blinds by simply clicking them into the pre-fitted brackets.
- Upgrade to a remote-controlled mains- or solar-powered motor for extra convenience.
- The exclusive top control bar complements the window for a modern, elegant look.



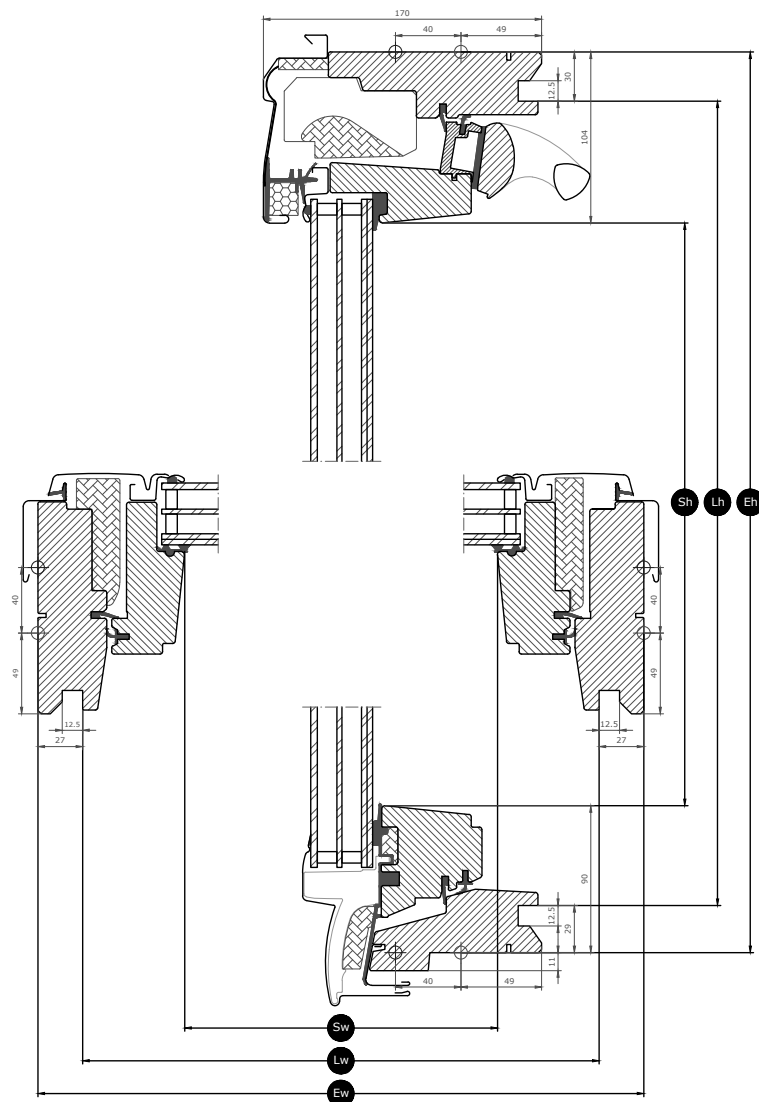
Available sizes and daylight area

The size overview shows the availability across the different glazing variants. Please note that the individual glazing variant may not be available in all the sizes shown.

	472	550	660	780	942	1140	1340
550					GGL PK25 (0.27) [0.31]		
624				GGL MK27 (0.26) [0.30]			
698		GGL CK01 (0.19) [0.23]				GGL SK01 (0.48) [0.54]	
778		GGL CK02 (0.22) [0.26]					
978	GGL BK04 (0.23) [0.28]	GGL CK04 (0.29) [0.34]	GGL FK04 (0.38) [0.43]	GGL MK04 (0.47) [0.53]	GGL PK04 (0.60) [0.66]		GGL UK04 (0.91) [0.98]
1178		GGL CK06 (0.37) [0.43]	GGL FK06 (0.47) [0.54]	GGL MK06 (0.59) [0.66]	GGL PK06 (0.75) [0.83]	GGL SK06 (0.95) [1.03]	GGL UK06 (1.15) [1.23]
1398			GGL FK08 (0.58) [0.66]	GGL MK08 (0.72) [0.81]	GGL PK08 (0.92) [1.01]	GGL SK08 (1.16) [1.25]	GGL UK08 (1.40) [1.54]
1600				GGL MK10 (0.85) [0.94]	GGL PK10 (1.07) [1.17]	GGL SK10 (1.35) [1.46]	GGL UK10 (1.63) [1.80]
1800				GGL MK12 (0.97) [1.07]			

All measurements are in mm. () = Effective daylight area, m² [] = Geometric free area, m²

Cross section dimensions



Width		BK--	CK--	FK--	MK--	PK--	SK--	UK--
Sw	Sash aperture width	293	371	481	601	763	961	1161
Lw	Distance between lining grooves, width	417	495	605	725	887	1085	1285
Ew	External frame width	472	550	660	780	942	1140	1340

Height		--01	--02	--04	--06	--08	--10	--12	--25	--27
Sh	Sash aperture height	504	584	784	984	1204	1406	1606	356	430
Lh	Distance between lining grooves, height	639	719	919	1119	1339	1541	1741	491	565
Eh	External frame height	698	778	978	1178	1398	1600	1800	550	624

Glazing features

	Glazing 66SG	Glazing 67	Glazing 69	Glazing 68	Glazing 70	Glazing 70Q	Glazing 62SG
	★★★★☆	★★★★☆	★★★★★	★★★★☆	★★★★☆	★★★★☆	★★★★☆
 Solar protection	★★★★☆	★★★★☆	★★★★★	★★★★☆	★★★★☆	★★★★☆	★★★★☆
 Security	★★★★☆	★★★★☆	★★★★☆	★★★★☆	★★★★☆	★★★★★	★★★★☆
 Safety lamination	✓	✓	✓	✓	✓	✓	✓
 Toughened glass	✓	✓	✓	✓	✓	✓	✓
 UV filter	✓	✓	✓	✓	✓	✓	✓
 Rain noise reduction	✓	✓	✓	✓	✓		✓
 Easy-to-clean	✓	✓					
 Anti-dew	✓	✓					✓

Glazing structure

Glazing variant	Glazing unit	Variant composition
Glazing 66SG	Triple-glazed	6.8mm laminated float glass - 13mm Argon - 3mm heat strengthened glass - 13mm Argon - 4mm toughened glass
Glazing 67	Triple-glazed	6.8 mm laminated float glass - 12 mm Krypton - 3 mm heat strengthened glass - 12 mm Krypton - 4 mm toughened glass
Glazing 69	Triple-glazed	6.8mm laminated float glass - 13mm Argon - 3mm heat strengthened glass - 13mm Argon - 4mm toughened glass
Glazing 68	Triple-glazed	6.8 mm laminated float glass - 13 mm Argon - 3 mm heat strengthened glass - 13 mm Argon - 4 mm toughened glass
Glazing 70	Double-glazed	6.8 mm laminated float glass - 16 mm Argon - 4 mm toughened glass
Glazing 70Q	Double-glazed	7.5 mm laminated float glass - 16 mm Argon - 4 mm toughened glass
Glazing 62SG	Triple-glazed	6.8 mm laminated float glass - 11 mm Krypton - 3 mm heat strengthened glass - 11 mm Krypton - 8 mm toughened glass

Technical values for the window

Overview of technical values for the product, covering among other, CE marking in accordance with EN 14351-1.

	Glazing 66SG	Glazing 67	Glazing 69	Glazing 68	Glazing 70	Glazing 70Q	Glazing 62SG
	Performance						
Window characteristics							
Thermal transmittance	1.0 W/(m²K)	0.83 W/(m²K)	1.1 W/(m²K)	1.1 W/(m²K)	1.3 W/(m²K)	1.3 W/(m²K)	0.92 W/(m²K)
Light transmittance	0.62	0.62	0.57	0.68	0.68	0.68	0.68
Total solar energy transmittance	0.44	0.44	0.27	0.49	0.46	0.45	0.47
Sound insulation	37(-2;-4)	38(-2;-5)	35(-1;-3)	35(-1;-3)	35(-1;-3)	35(-1;-3)	42(-2;-5)
Air permeability	4	4	4	4	4	4	4
External fire performance - British	AC	AC	AC	AC	AC	AC	AC
External fire performance - European	npd	npd	npd	NPD	npd	npd	npd
Impact resistance	3	3	3	3	3	3	3
Load-bearing capacity of safety devices	√	√	√	√	√	√	√
Reaction to fire	C-s1,d2	C-s1,d2	C-s1,d2	C-s1,d2	C-s1,d2	C-s1,d2	C-s1,d2
Resistance to snow load	**	**	**	**	**	**	**
Resistance to wind load	C3 (>SK08: NPD)	C3 (>SK08: NPD)	C3 (>SK08: NPD)	C3 (>SK08: NPD)	C3 (>SK08: NPD)	C3 (>SK08: NPD)	C3 (>SK08: NPD)
Water tightness	E900	E900	E900	E900	E900	E900	E900

Resistance to snow load = ** See glazing composition

NPD: No performance determined

About Swish

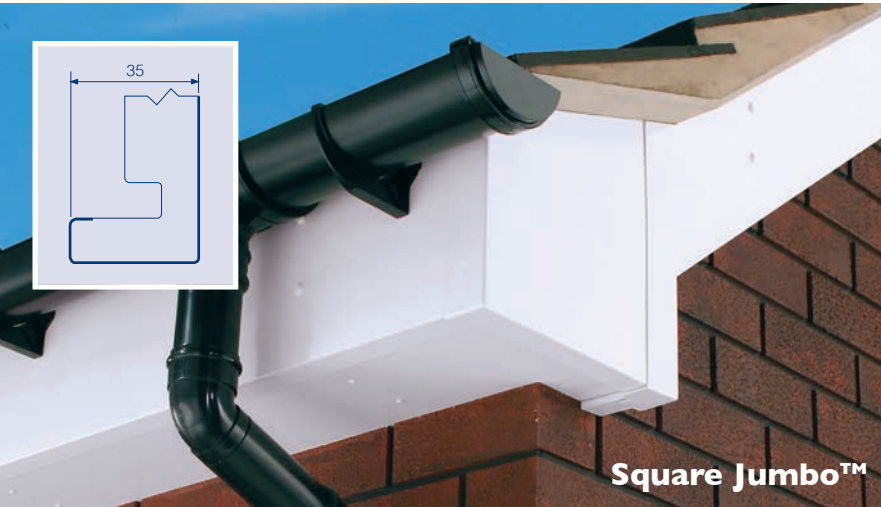
- The premier brand in cellular PVC roofline and cladding
- Most comprehensive system available
- Over 40 years experience in plastics technology
- Non-lead formulation complies with UK, EEC and PVC Industry guidance on removal of lead from PVC
- Non-lead formulation will not discolour
- 20 Year Product Guarantee on White cellular PVC and 10 Years on Coloured and Foiled profiles
- Technical Services team focus on specifier requirements, providing comprehensive support.
- BBA on white cellular PVC profiles
- BSI certification (Kitemarked)
- Swish has obtained the responsible sourcing certification BES6001 for all its cellular PVC products
- National network of Specialist stockists ensures expert local support



Swish Fascias and Bargeboards

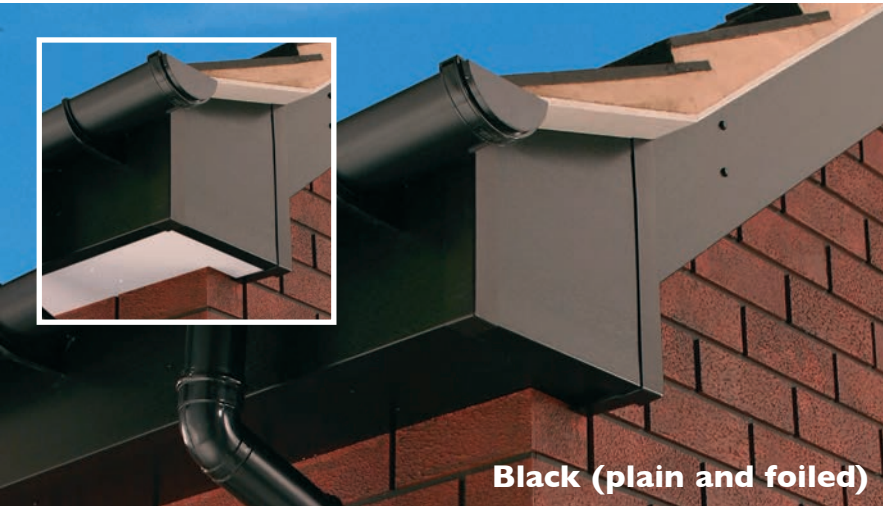
White

Swish Jumbo™ boards are strong, load bearing profiles. These boards are secured directly to the rafter foot and fully support the weight of eaves tiles and rainwater systems. A wide range of sizes ensures specifier requirements are met. Soffit boards are available in the form of vented and unvented flat boards and interlocking cladding profiles. A fluted (unvented) board is also available.



Foiled

Swish 16mm fascia and 9mm vented and unvented soffit boards match most window and conservatory systems currently in use. Each foiled finish is accompanied by a full complement of colour matched corners, joints and trims. Swish cladding profiles are also available in foiled finishes (see page 11).



Sustainability

Cellular PVC suits the exposed conditions on clad facades and at the roofline, especially as these areas are difficult and costly to access and maintain.

Swish cellular PVC requires no maintenance; it will last the life-time of the building and can be fully recycled at the end of its service life.

Swish cellular PVC offers the potential of a 60+ year, maintenance-free working life, minimising maintenance costs for landlords and home owners alike. This low lifetime cost may free up maintenance budgets for the purchase of other CO₂ reduction materials such as loft insulation.

At the end of their working life, Swish profiles can be easily removed and recycled.

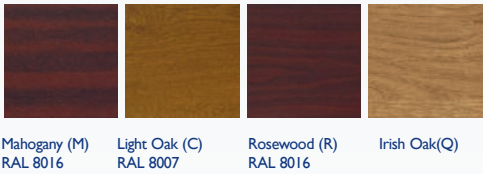
Colour Options

Swish 16mm Square Fascias and 9mm flat Gee Pee™ soffit boards are also available in a range of co-extruded and foiled finishes.

Co-extruded

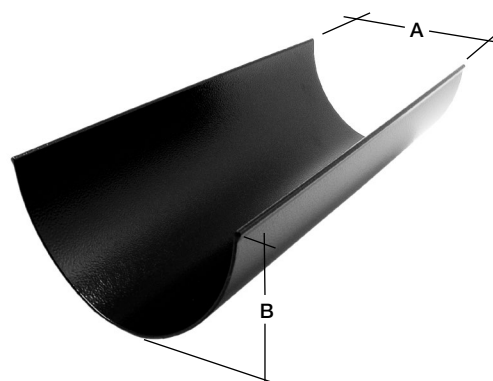


Foiled



Note: The above swatches are not an accurate representation of colour* therefore it is recommended that a sample be requested to aid colour matching.

* For colour availability in specific board styles and sizes please refer to the latest copy of the Swish Price List.



Code	Length (m)	A (mm)	B (mm)
GE513	3	128	75

Product description

The Evolve Deepflow aluminium gutter system combines the longevity and low maintenance of marine grade aluminium with the ease and speed of installation of plastic gutter systems.

- Functional life expectancy of 50+ years with minimal maintenance
- Patented JuraJoint rubber joint that makes installation as fast and easy as PVC gutters
- Marine grade aluminium throughout for ultimate corrosion resistance – ideal for coastal or heavily polluted areas
- Durable & strong, more resistant to damage than steel, rollform or PVC systems
- Cost effective Heritage Black finish emulates the appearance of cast iron and is available for fast delivery
- Aluminium is a sustainable material, infinitely recyclable and responsibly sourced

Physical properties

Material	Marine grade 6063 T5 extrusion and LM6 castings
Finish	Polyester powder coated to BS EN 12206-1:2004
Downpipe compatibility	76mm Ø Tudor & Flush-fit downpipe systems

Flow rate performance

Downpipe system	End outlet l/s	Centre outlet l/s
76mm Ø	2.5	4.9

Functional Life Expectancy

Marley Alutec aluminium rainwater systems have a functional life-expectancy of 50+ years with minimal maintenance. All products are manufactured using only marine grade aluminium and coated with external grade architectural powders.

Clause:

R10/311

Product:

Evolve Deepflow aluminium rainwater system

Manufacturer:

Marley Alutec, Unit 1 (G-H), Hudson Road, Elms Farm Industrial Estate, Bedford, MK41 0LZ

Product information

Visit www.marleyalutec.co.uk or click on the individual links below.

Range Brochure	Price List
Installation	BIM
CAD	Colours & Finishes
Nearest Supplier	

Technical Services Department

Marley Alutec Technical Services Department has many years' experience in assisting specifiers with all aspects of drainage design and installation. For advice, contact them on technical@marleyalutec.co.uk, 01234 359438

Standards

All Marley Alutec systems are manufactured to and in excess of the appropriate BS or EN Standards. For a full list download the range brochure in the **Product information** section.

Maintenance

Gutters should be periodically cleaned out and any built-up debris removed to maintain peak performance. Check all fixings are secure and take any remedial action to rectify if necessary. Leaf guards are available to fit each gutter system and are recommended for buildings close to trees, with restricted access, or areas susceptible to airborne debris. To maximise the life of the decorative paint finishes, all parts should be washed down with clean water at least every 12 months. This period would be shortened to 6 months in a marine/aggressive environment.

SECURED BY DESIGN COM 1 VERTICAL TS009 MAILBOX



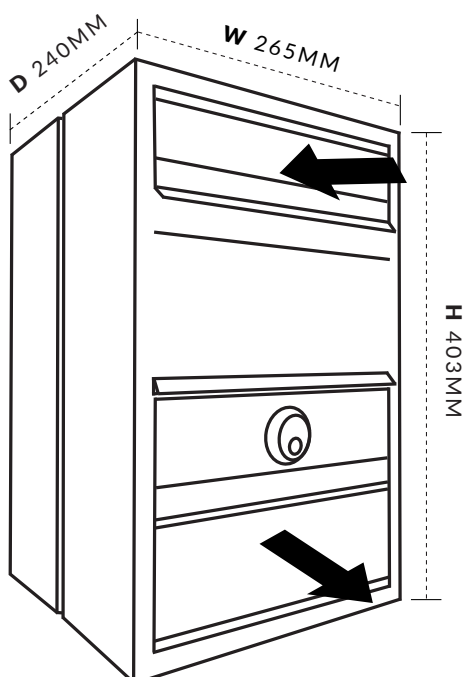
Our COM 1 - TS009 is a robust and secure mailbox designed to meet the highest security standards. Complying with the Secured by Design (SBD) TS009:2019 standard, this mailbox offers enhanced protection against theft and tampering.

It is crafted from durable materials and features advanced locking mechanisms, ensuring reliable security for mail.

The TS009 range can be wall-mounted or wall-recessed offering versatile installation options to suit various environments. Its design not only focuses on security but also maintains a sleek and modern appearance, making it an ideal choice for both residential and commercial properties.

DIMENSIONS

APERTURE SIZE (MM): 32.5H X 235W



MAILBOX FEATURES:

Overview

- Dimensions (mm): 403H x 265W x 240D
- Aperture Size (mm): 32.5H x 235W
- Robust Union Key Prime 3 point locking mechanism certified to EN1303:2015

Finishes

- Aluminium Extrusion & Aluminium Sheet
- Polyester powder coating paint
- Available in all standard RAL colours as standard
- Option to upgrade to any RAL colour for an additional fee

Installation Options

- Bankable up to 4 high, no restrictions on width
- Can also be used as a single box
- Recessed or Wall Mounted
- Bespoke Arrangement

Applications

- Suitable for internal and external use

Compliance

- BS EN13724 Compliant
- Complies with TS 009 : 2019
- Meets Class 0 (BS476 : Part 6&7)
- Conforms to Secured by Design Homes 2024 guidelines

Accessories/Optional Extra

- Can be engraved or fitted with Vinyl lettering

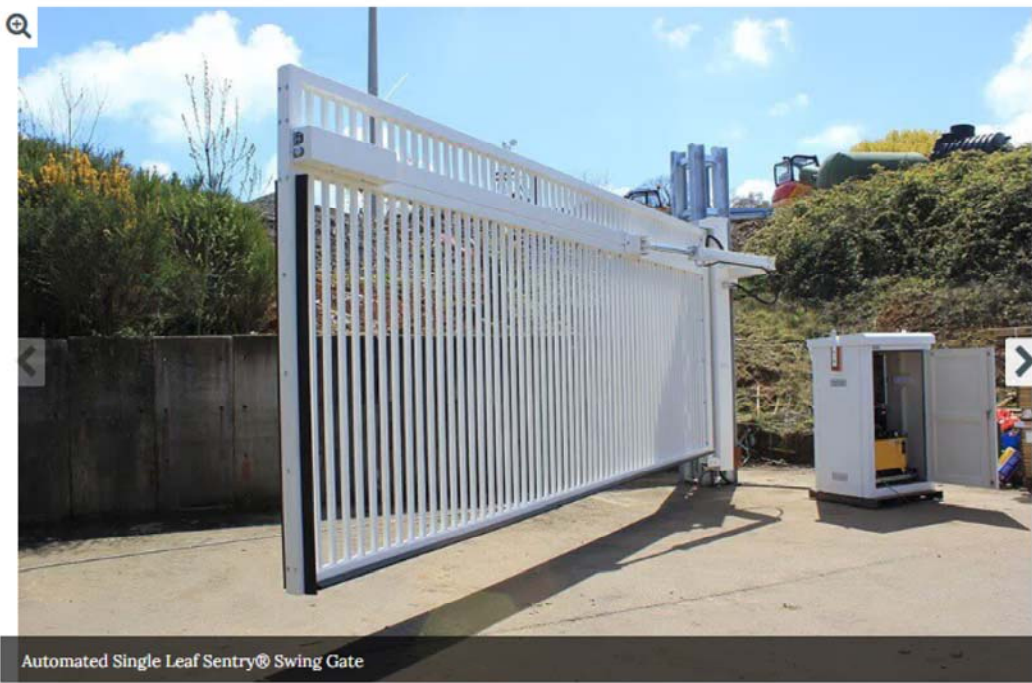


THE SAFETY LETTERBOX COMPANY LTD

T: +44 (0) 1639 633525

E: ENQUIRIES@SAFETYLETTERBOX.COM

W: WWW.SAFETYLETTERBOX.COM



Automated Single Leaf Sentry® Swing Gate



SWING GATE AUTOMATION SAFETY

Jacksons automated swing gates meet with the essential health and safety requirements and are correctly CE marked as required by law. Additionally the products are designed and engineered to exceed the standards set out in BS EN 12978 and BS EN 12453 in relation to gate safety.

SWING GATE OPTIONS

- Single leaf
- Double leaf
- Pedestrian or vehicle access
- Manual
- Self Closing (soft shut)
- Automated
- Underground operator
- Ram operator
- Choice of infill

SINGLE LEAF GATE SPECIFICATIONS

Height (mm)	Opening (mm)	Infill Options
1800 / 2000 / 2500 / 3000	Up to 5000	Vertical bar / Welded Mesh / Tubular / Bow top / Acoustic

DOUBLE LEAF GATE SPECIFICATIONS

Height (mm)	Opening (mm)	Infill Options
1800 / 2000 / 2500 / 3000	Up to 10000	Vertical bar / Welded Mesh / Tubular / Bow top / Acoustic

Traditional Featherboard

**Jacksons
Fencing**



Traditional Featherboard is also known as Closeboard or Featheredge fencing. Supplied in kit form and constructed on site Traditional Featherboard is constructed with either 2 or 3 rails (depending on the height).

- All timber used throughout is superior quality Jakcure® treated softwood guaranteed for 25 years.
- All fixings are stainless steel.
- Gravel boards are required where fencing is in contact with the ground.
- Rails have an attractive angled edge and are precision sawn, resulting in a neater finish and increased strength.
- Taller panels constructed from three rails for extra strength.
- Suitable for sloping ground, if desired.

Specification

Fencing Heights: 1.05m, 1.20m, 1.35m, 1.50m, 1.65m, 1.80m, 1.95m

Pales: 2x 100mm x 22m nominal section board, planed to finish at 19mm thick.

Rails: 2.40m x 87mm x 37mm weathered

Post Heights: 1.80m, 2.40m, 2.70m

Capping Rail: 2.40m kit with fixings, planed timber capping rail, with counter rail and two L shaped brackets.

Nails: galvanised 75mm nails for attaching rails & gravel boards, stainless steel 50mm nails for attaching pales

No cut down kit is required when reducing the width of this fencing but always use Jakcure® Cut Treatment on cut timber.

Gates

Featherboard gates have a Jakcure® treated softwood sawn finish and are constructed with galvanised bolts and stainless steel nails. Right hand hanging 1m wide as standard (left hand hanging and different widths also available but may require slightly longer lead times).

Standard Gate Heights: (without capping) 1.15m 1.45m 1.75m 1.90m

Standard Gate Widths: 0.9m & 1m

Elegantly designed to match Traditional Featherboard

Capping rail as standard on gate top

Galvanised ring latches and adjustable hinges.

All fixings and fittings are galvanised or stainless steel.

Non-standard gates with custom width / heights are available as a special order and are also available as pairs (size restriction applies).



View our website for Q40 specification documents, CAD drawings and products available to buy online.

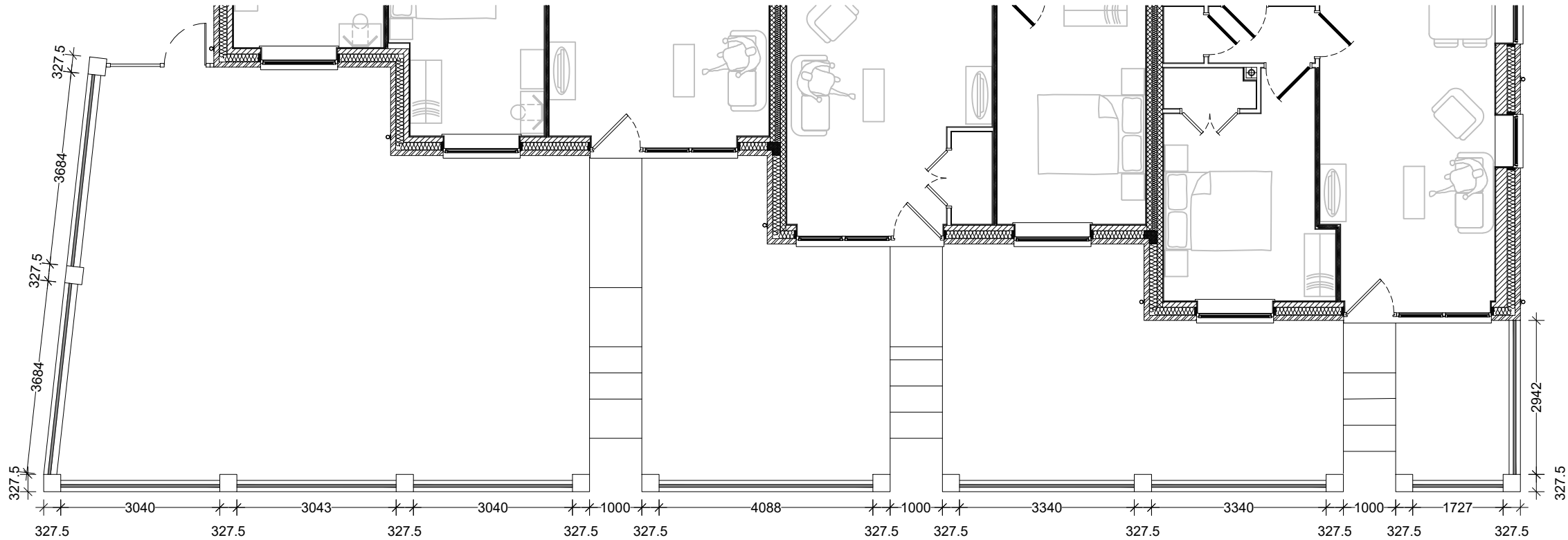
A fully made to measure service is available. All Jacksons Fencing systems and gates may be designed and manufactured to suit site conditions.

Jacksons Fencing Stowting Common Ashford Kent TN25 6BN UK

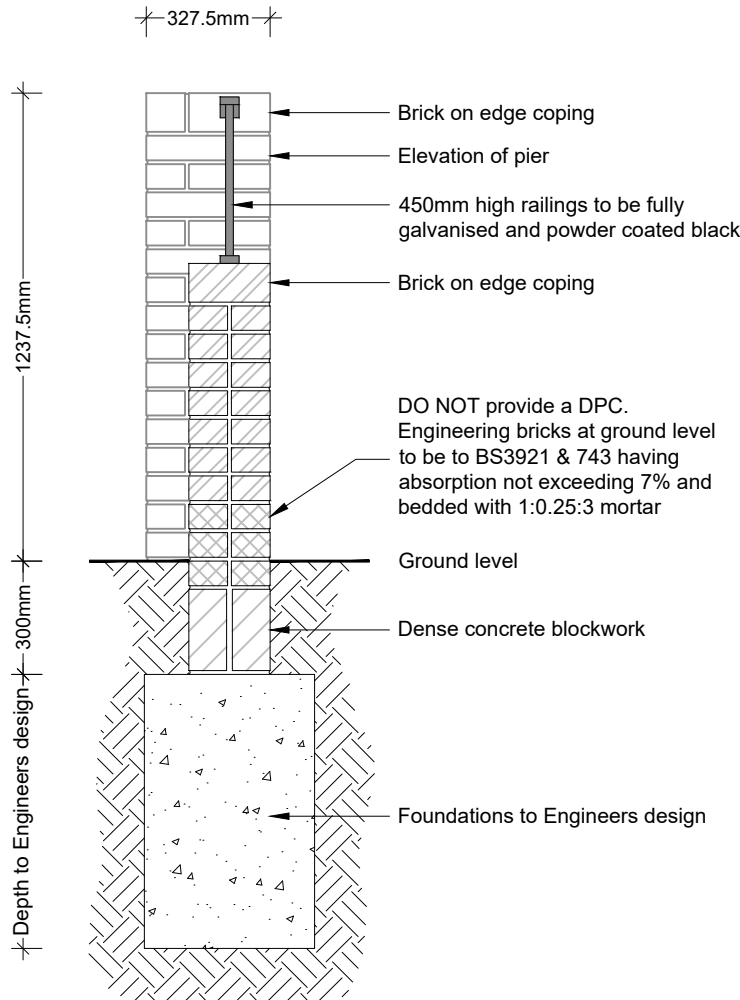
+44 (0) 1233 750 393

sales@jacksons-fencing.co.uk www.jacksons-fencing.co.uk

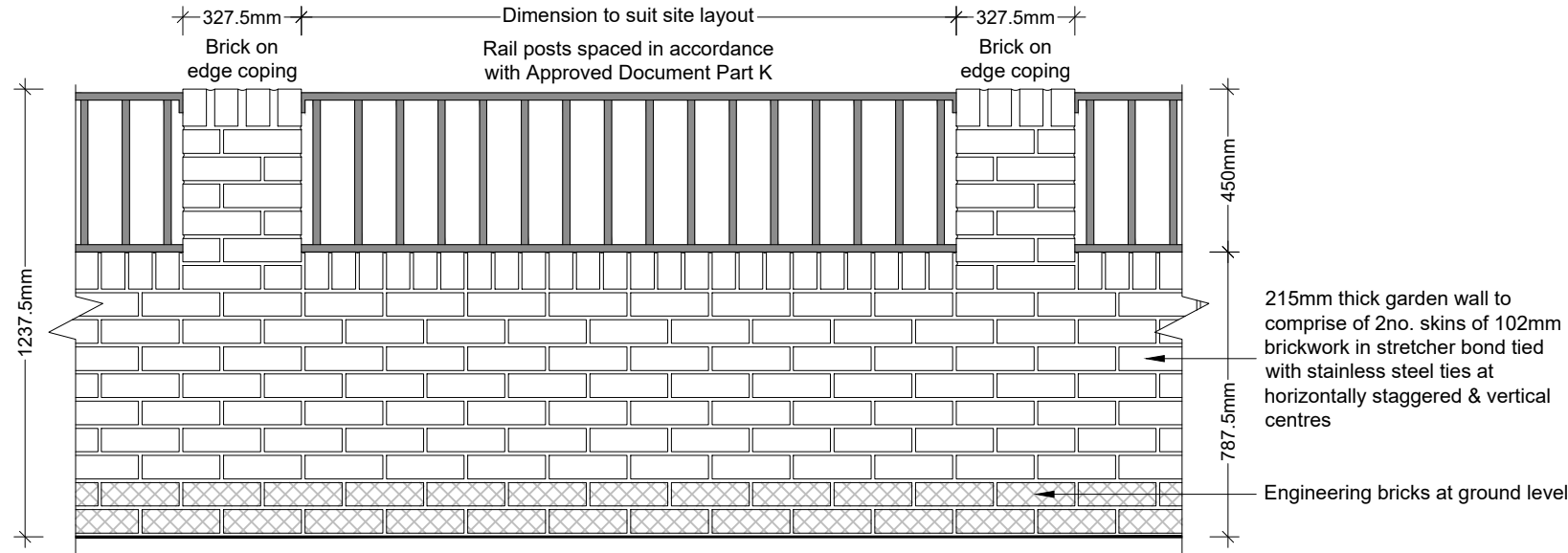




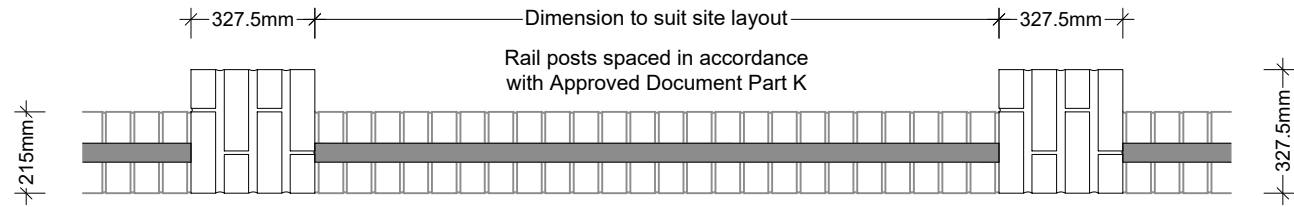
SITE EXTRACT 1:100



SECTION 1:20



ELEVATION 1:20



PLAN 1:20



Please Note:

This drawing can only be scaled for planning purposes. Dimensions to be checked on site and any discrepancies are to be highlighted to the Architect prior to construction.

Topographical / Ordnance Survey information shown has been prepared by a third party, HGP accept no responsibility for accuracy or completeness of the survey.

This drawing is to be read in conjunction with all other project drawings, construction notes and / or project specifications including those by other project consultants and specialists. All discrepancies should be reported immediately.

Design subject to detail development / approval. Measurements and accommodation schedules subject to amendments following coordinated input by others. Costings cannot be finalised until approval /confirmation by relevant authorities and Client.

Risk Schedule	
For further information refer to HGP's M07 documents	



A	First issue.	04/09/25	ACP	CMF
Rev.	Description	DATE	DB	CB

Boundary Wall Detail

PROJECT Elgar Road, South Reading	JOB NO. 25.036
SCALE @A3 1:20@A3	DATE Sept 2025
DRAWN BY/CHECKED BY ACP/CMF	REVISION A
DWG# 25.036-301-Boundary Wall Detail	STATUS Tender

