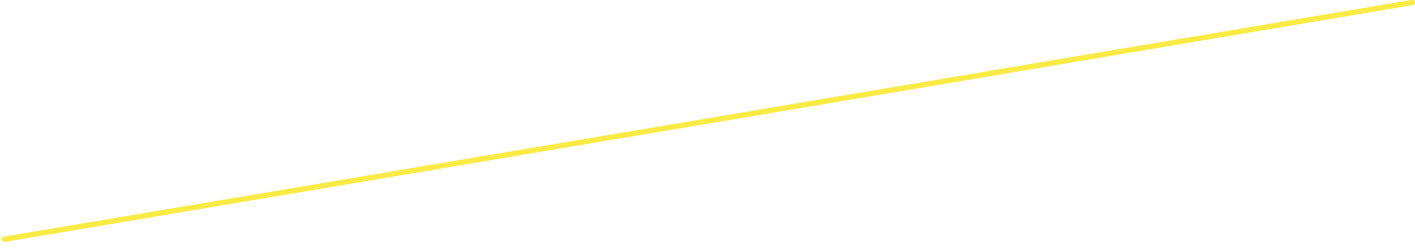


Appendix 1

Specifications / Data Sheets

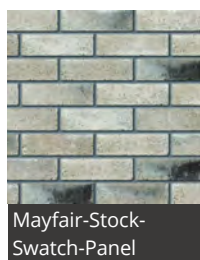


- Facing Materials
- Windows
- Doors
- Garage Doors
- Cycle Storage
- Balconies & Balustrades
- Hard Landscaping
- Landscape Artefacts
- Soft Landscaping

Facing Materials

Mayfair Stock Facing Bricks

Date Created: 28/01/21



Mayfair-Stock-
Swatch-Panel

An eye catching brick with shifting tones. The **Mayfair Stock** brick is sure to give any project a statement look.

DESCRIPTION	
Manufacturing Process	Vibro-compacted pressed concrete
Base Raw Material	Concrete
Green Guide	A+
CE Marking/DOP	https://www.marshalls.co.uk/dop
NBS Specification	F10/215



CEDRAL CLICK

PRODUCT INFORMATION SHEET

1 Product composition

CEDRAL CLICK fibre cement strips consist of the following:

- Portland cement
- mineral fillers
- natural organic reinforcing fibres
- additives
- for the different covering colour shades: water-based acrylate dispersion on the image side and back coating on the back

2 Production method

CEDRAL CLICK fibre cement strips are manufactured on a Hatschek machine and are autoclaved. The image side of CEDRAL CLICK is provided with a wood nerve profile (Classic) or a smooth surface (Smooth). CEDRAL CLICK is then provided with a tongue and groove on the long edges. CEDRAL CLICK is then finished with covering coatings.

3 Dimensions and tolerances

Thickness	Possible fixing method
12 mm	Blind fixing with clips

Dimensions (h x L)

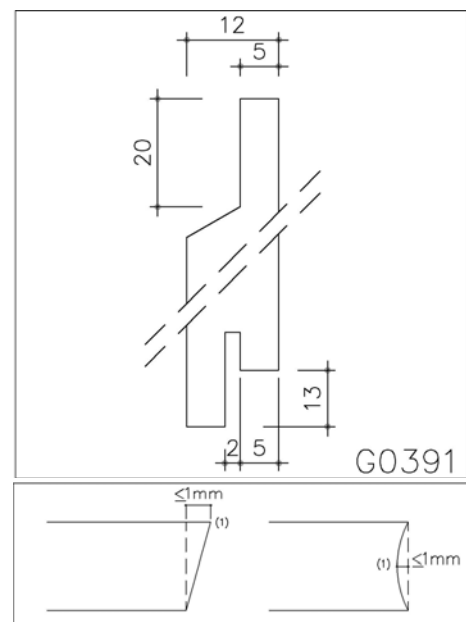
CEDRAL CLICK CLASSIC	CEDRAL CLICK SMOOTH
186 x 3,600 mm	186 x 3,600 mm

Tolerances

Thickness	+/- 1.0 mm
Length	+/- 5.0 mm
Width	0/+ 2.0 mm
Squareness	1 mm ⁽¹⁾
Straightness lengthwise	3 mm

Weight (ex-works)

CEDRAL CLICK CLASSIC	CEDRAL CLICK SMOOTH
12.2 kg/piece	12.2 kg/piece



The dimensions of the tongue and groove are purely indicative. These are nominal dimensions which are subject to tolerances.

4 Colour

CEDRAL CLICK are available in the following profiles:

- Classic: surface with wood nerve profile
- Smooth: slightly structured surface

For an overview of the standard colours we refer to the most recent ETERNIT colour chart. However it is technically impossible that this chart represents the colours realistically. Therefore the final choice of the colour has to be made with samples. Other colours are available upon request for minimum orders. The risk of colour differences between the various sheets decreases as the whole party is ordered at once.

Colour differences are measured according the CIELAB colour model. Tolerated colour differences on a façade for full coated sheets are $\Delta L^* = \pm 1.0$, $\Delta a^* = \pm 0.4$, $\Delta b^* = \pm 0.4$ en $\Delta E^* = \pm 1.2$.



5 Technical properties

Average values according to the European standard EN 12467 'Fibre-cement flat sheets', which describes classification and most testing methods.

A. Testing according to ISO quality management system				
Density	Dry	EN 12467	1,300	kg/m³
Bending strength	Ambient, ⊥	EN 12467	23.0	N/mm²
	Ambient, //	EN 12467	11.00	N/mm²
Modulus of elasticity	Ambient, ⊥	EN 12467	7,500	N/mm²
	Ambient, //	EN 12467	5,500	N/mm²
Hygrical movement	0-100%, mean	EN 12467	1.75	mm/m
Porosity	0-100%		23	%
B. Classification				
Durability classification		EN 12467	Category A	
Strength classification		EN 12467	Class 2	
Fire reaction		EN 13501-1	A2-s1-d0	
C. Type test or best estimate				
Impermeability test		EN 12467	Ok	
Warm water test		EN 12467	Ok	
Soak dry test		EN 12467	Ok	
Freeze thaw test		EN 12467	Ok	
Thermal expansion coefficient	α		< 0.01	mm/mK
Thermal conductivity	λ		0.212	W/mK

6 Advantages

Providing the application guidelines are followed, ETERNIT fibre-cement sheets have the following superior mix of properties compared to other materials:

- fire safe (no fire ignition, no spread of fire)
- sound insulating
- resistant to extreme temperatures
- water resistant (if in compliance with application guideline)
- resistant to many living organisms (fungi, bacteria, insects, vermin, etc.)
- resistant to many chemicals
- environmentally friendly, no harmful gas emissions

In addition, CEDRAL CLICK fibre cement strips have the following specific properties:

- very little maintenance in comparison with wood because of its durable coating
- aesthetic surface in different covering colours
- can be worked on with joinery machinery
- screwing without pre-drilling

7 Applications

Exterior walls: exterior wall cladding, covering of gable ends, dormer windows

8 Available factory finishing

No further finishing is offered with production.

9 Application data

!!: Sawing and drilling must take place in a dry environment. For decorative applications, sawdust and drillings must be immediately removed from the sheet with a dry micro-fibre towel. Not removed sawdust and drillings can cause permanent stains.



CEDRAL CLICK

PRODUCT INFORMATION SHEET

During the mechanical machining of panels, adequate machinery with dust extraction and/or ventilation should be foreseen. If dust extraction is not efficient, dust masks of type FFP2 or better according EN149:2001 should be used.



Sawing:

When working on the sheet it must be sufficiently supported so that it does not sag. The sawing bench must be very stable and may not vibrate. The sheet may not be under tension when sawing. The sheet must be free of vibration and tension during sawing for a good saw cut. Cutting in the wrong way can cause delamination problems of the edge.

- Hand circular saw with rail or stationary sawing machines: fast rotation with Universal Eternit cutting blade available at Leitz-Service (available diameters: 160, 190, 225 and 300 mm)
- Jigsaw with carbide-tipped tooth cutting blade type T141 HM from Bosch (available from Eternit)
- handsaw with carbide-tipped tooth cutting blade
 - Sawed edges must be smoothened with sandpaper (grain P80)

Drilling:

The sheet should be supported around the hole to be drilled (e.g. by a wooden surface).

- for holes: carbide-tipped twist drill (or completely in carbide) with a 60° nose angle (available from Eternit); available diameters: 5.0 – 6.0 – 7.0 – 8.3 – 9.5 – 11.0 mm
- for round apertures: hole saw with carbide-tipped teeth (e. g. type Pionier from Metabo)
 - Sawed edges must be smoothened with sandpaper (grain P80)

Fastening accessories:

Depending on the application the following fastening accessories can be used (see application instructions for more information).

- Blind fixing with special clips
- Screwing: can be screwed directly without predrilling. Automatic screwing is also possible.

Sealant:

Only use neutral sealants. Non-neutral silicones or thiokols can result in spots.

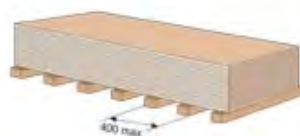
Retouching:

For aesthetic reasons it is recommended to retouch CEDRAL CLICK on the sawn visible edges and in the event of damage. Retouching must take place with the appropriate coating system and in accordance with the coating conditions. The surface to be painted must be dry and free of dust and grease (dust and/or clean first if necessary). The coating supplied must be stirred well and may not be diluted. Retouch the surface with a brush or roller. **NOTE!** Retouching must be done with care and with respect for the appearance: only retouch the surface to be painted.

Coating:

When repainting CEDRAL CLICK one must first sand slightly before applying a new topcoat. Coating advice is available from ETERNIT.

10 Handling



The sheets are packaged on pallets. They are to be transported under a tarpaulin. The sheets must be horizontally stacked on a flat surface. The sheets must always be sufficiently supported so that they do not sag. The sheets must be stacked in a dry ventilated space. If the sheets are stored outside, they must always be protected against rain by a tarpaulin or plastic cover. If the sheets do become wet in the packing, all packaging must be removed and placed in a way that they can dry out thoroughly. It is recommended to allow the sheets to acclimatise in the space where they are to be used. A sheet must always be lifted from a stack by two persons and then be carried vertically. A foil always has to remain between the stacked sheets in order to prevent paint damage.



The planks should always be stacked with the tongue towards each other.

Mayfair Stock Facing Bricks

Date Created: 28/01/21

PHYSICAL PROPERTIES

Work Dimensions (mm)	215 x 100 x 65
Nominal Dimensions (mm)	215 x 100 x 65
Durability (Freeze-thaw)	Frost Resistant
Gross Density	1920kg/m ³
Thermal Conductivity (K value)	1.11 W/mK (dry); 1.24 W/mK (@3%); 1.33 W/mK (@5%)
Compressive Strength (MPa)	>22.5N. Air dry
Water Vapour Permeability	5/15μ (Tabulated from EN 1745)
Shear Bond Strength	0.15N/mm ² (Tabulated from EN 998-2: 2003, Annex C)
Dimensional Stability	<0.6 mm/m

SPECIFICATION

Selection Of Mortar	Spacing and width should be based on the guidelines provided in BS EN 1996 - Design of Masonry Structures
Emission of Asbestos	No content
Reaction to fire	Euroclass A1
Dangerous Substances	No performance declared
Movement Joints	Spacing and width should be based on the guidelines provided in BS EN 1996 - Design of Masonry Structures
Moisture Movement	<0.45mm/m

APPLICATION

Suitability	Eminently suitable for use below dpc in foundations, boundary walls and externally above ground level up to sulphate resistance class DS2, regardless of the severity of exposure. Manufactured and tested in accordance with BS EN 771-3: 2011+A1 2015: Specification for Masonry Units: Aggregate Concrete Masonry Units
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SITE WORKS

Installation	Available on request
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SUPPLY

Packaging	Self contained packs, palletised with polythene stretch hood and with or without banding straps dependant on supply works
No. units per pack	396

FURTHER INFORMATION

Cleaning & Maintenance	Cleaning & maintenance details are available on request
Efflorescence	Any product containing cement during its early life may exhibit a temporary white discolouration known as efflorescence. This is not a product fault and will gradually disappear with exposure to natural weathering and trafficking. Our manufacturing process involve the incorporation of advanced additives both within and on the surface of the brick. The amount of efflorescence emanating from the bricks can thus be classed as minimal
Weathering	It should be appreciated that with all products weathering and site conditions can cause shade variation to appear across the surface of individual units. This does not in any way affect the performance of the units and any such variation will diminish over a period of time as the product matures.
Product Evolution	The evolution of new product design is continuous and information is subject to change without notice. Customers should check with the supplier to ensure that they have the latest details Marshall's reserve the right to amend the technical information as deemed necessary and in accordance with the relevant national and international standards without notice
Contact Us	As many of these products are made to order for specific markets, please obtain further details on specification details, product availability, pack sizes and weights from your local Edenhall Sales Office, or alternatively call our Head Office

THRUTONE SMOOTH FIBRE CEMENT SLATES

Cedral Thrutone Smooth slates have a superb smooth finish and square edges, which will result in a classic, elegant roof. Our fibre cement slates are unmatched in strength, giving you peace of mind when you choose Cedral for your roof.

Technical data*

Size of slate	600mm x 300mm	500mm x 250mm
Minimum pitch**		
Moderate exposure	22.5° (100mm lap) 20° (110mm lap)	22.5° (100mm lap)
Severe exposure	25° (100mm lap) 22.5° (110mm lap)	25° (100mm lap)
Maximum pitch	90°	90°
Typical laps	100, 110mm	100mm
Slate hooks	Hook fixed 100-150mm	Hook fixed 100mm
Maximum gauge	245-250mm	200mm
Slate thickness	4mm	4mm
Covering capacity (net)	13.4 slates/m ² at 100mm lap 13.6 slates/m ² at 110mm lap 14.8 slates/m ² at 150mm lap	20.0 slates/m ² at 100mm lap
Weight of slating (approx.)	20.4 kg/m ² (0.20 kN/m ²) at 100mm lap 20.9 kg/m ² (0.20 kN/m ²) at 110mm lap 22.8 kg/m ² (0.20 kN/m ²) at 150mm lap	21.3 kg/m ² (0.21 kN/m ²) at 100mm lap
Battens required (net)	4.00 lin.m/m ² at 100mm lap 4.08 lin.m/m ² at 110mm lap 4.45 lin.m/m ² at 150mm lap	5.00 lin.m/m ² at 100mm lap
Batten size recommended (fixed to BS 5534)	50 x 25mm for rafters/ supports not exceeding 600mm centres	50 x 25mm for rafters/ supports not exceeding 600mm centres
Fixings	Slate nails (30 x 2.65mm) Copper disc rivets (19mm dia. x 2mm stem)	Slate nails (30 x 2.65mm) Copper disc rivets (19mm dia. x 2mm stem)
Fittings screws	14 gauge self sealing	14 gauge self sealing
Slate hooks***	Length equal to lap	Length equal to lap
Authority	BS EN 492	BS EN 492

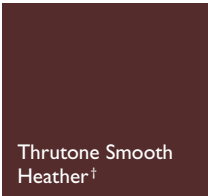
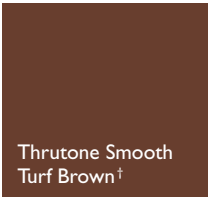
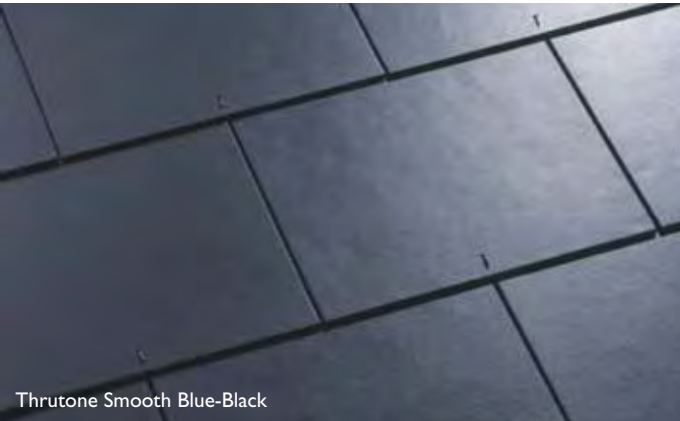
* Cedral fibre cement slates meet the strength requirement of BS EN 492, achieving an average bending movement greater than 50 NM/M (Class B). The slates also have a minimum density of 1700kg/m³ and a nominal thickness of 4mm

** The minimum recommended pitch and lap may be influenced by special circumstances, please contact the Technical Advisory Team for further information

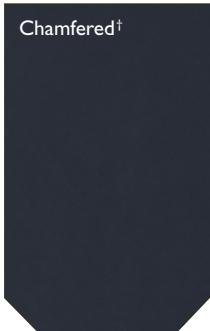
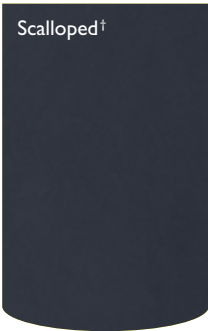
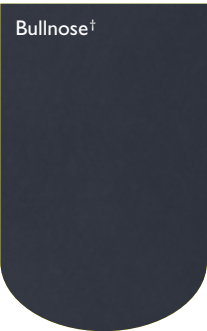
*** When using slate hooks, the perimeters/local areas (as defined by BS 5534) will require nails and rivets

Sustainability

Green guide rating	A+ (Element ref: 812410008)
BES 6001	Very good – can achieve 3 credits
Credit uplift available with EPD	
Embodied carbon	Low carbon footprint of 16 CO ₂ e/m ²



Other shapes



✓ Smooth surface

✓ Square edges

✓ Clean, sharp lines

Windows

Alitherm 600

Application

All general light use applications inc commercial.

Features

- An enhanced system designed to comply with the revisions to the Building Regulations
- Document L compliant
- System can achieve Window Energy 'B' Rating
- Profiles feature an extended polyamide thermal break to enhance thermal performance
- Fabrication is by method of crimped or mechanical corners
- Ovolo, chamfered or square profiles
- British Standard Kitemarked system KM 81580
KM 81543

Technical Performance

Finish Single or dual colour, marine quality polyester powder coat as standard

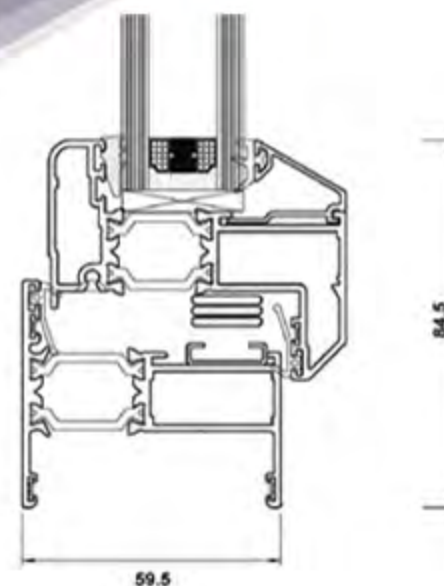
U Value	1.3W/m ² K using correct sealed unit
WER	B
Air	Class 4, 600Pa
Water	Class E, 1200Pa
Wind	Class AE, 2400Pa

Document L Compliant

Dimensions

Frame Depth	59mm & 70mm
Glass	28mm to 38mm double or triple glazed units
SH Max o/a Width	1000mm
SH Max o/a Height	1400mm
TH Max o/a Width	1400mm
TH Max o/a Height	1500mm

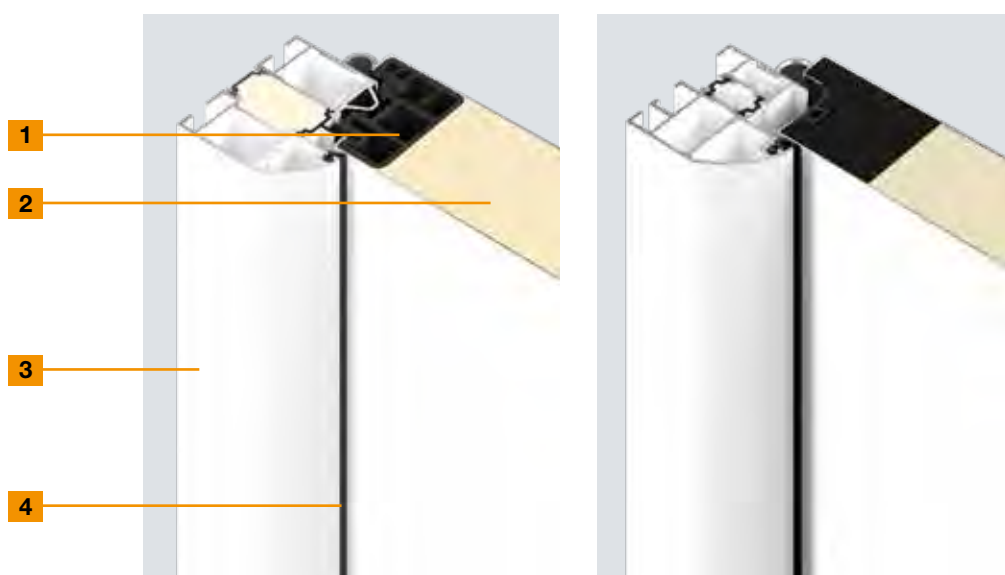
(For sizes outside of these parameters, contact Smarts Technical).



Doors

Door versions

The right profile for any requirement



Thermo65

Thermo46

1	Door profile	Interior	Interior
	Material	Compound material	Compound material
2	Door leaf thickness	65 mm	46 mm
	Internal and external sheet	Steel, with thermal break.	Steel, with thermal break.
3	Door frame	Rounded frame A3, 80 mm	Rounded frame A1, 60 mm
	Material	Aluminium, with thermal break	Aluminium, with thermal break
4	Sealing system	3 x	2 x
	Threshold	Aluminium / plastic (standard, S11), plastic (optional, S12)	Aluminium / plastic
	Performance characteristics		
	Operating forces EN 12217	Up to class 3	Up to class 2
	Long-term functionality / mechanical load EN 12400	Up to class 6	Up to class 5
	Differential climate behaviour EN 12219	Up to 2d / 2e	Up to 3c / 2d / 2e
	Air permeability EN 12207	Up to class 4	Up to class 2
	Water tightness under heavy rain EN 12208	Up to class 3A	Up to class 1A
	Resistance to wind load EN 12210	Up to class C3 / B3	Up to class C3
	Impact resistance EN 13049	Up to class 1	Up to class 1
	Mechanical strength EN 1192	Up to class 3	Up to class 1
	Thermal insulation	Up to 0.87 W/(m²·K)	Up to 1.1 W/(m²·K)
	Acoustic insulation	Up to 32 dB	Up to 32 dB
	Burglar protection EN 1627 (optional)	RC 2 (optional)	RC 2 (optional)

Frame variants

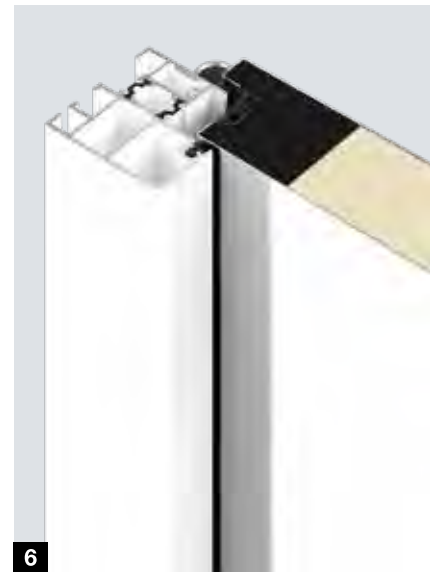
Entrance doors Thermo65 and Thermo46 are optionally also available with an angular frame at no surcharge.

5 Thermo65 frame A4

6 Thermo46 frame A2



5



6



RC 2 security
Tested and certified

Security doors

The opportunist burglar attempts to break open the locked door with simple tools within 3 minutes.



Acoustic-rated
Up to 43 dB

Acoustic-rated doors

■ **NEW**

You can use Thermo65 styles 010 and 700B as acoustic-rated doors. With the standard retractable bottom seal the doors achieve acoustic rating category 2 (38 dB) and acoustic rating category 3 (43 dB) with the optional threshold. They provide protection against street noise as well as wind and weather: the ideal door for entrances in blocks of flats with arcades.



Fire-retarding
EI₂30

Fire-rated doors

■ **NEW**

Fire-rated door Thermo65 style FS THP 010 withstands a fire for at least 30 minutes, making it the right solution for between the garage and your living space (e.g. entrance hall). It also offers good thermal insulation for this sensitive area.

Only from Hörmann
Acoustic-rated doors with thermal break

Only from Hörmann
Fire-rated doors with thermal break

Door equipment

For an elegant, functional door design



Thermo65

Thermo46

1	Solid door view from the inside	●	●
2	5-point security lock	●	●
3	Soft-lock latch	●	●
	Automatic lock with mechanical self-locking	○	
4	Continuous security strip made of aluminium	●	
5	3 security bolts		●
6	3-way adjustable guide rollers	●	●
7	Stainless steel interior lever	●	●
8	Security push-on rose escutcheon	●	○
9	Profile cylinder with emergency and hazard function and 5 locks as standard	●	●
10	Letter plate in silver or gold		○*
11	Spy Viewer		○*
12	Door drip	○	○
13	Retractable bottom seal	○	○

● = As standard ○ = Optional ○* only for styles 100, 200, 400

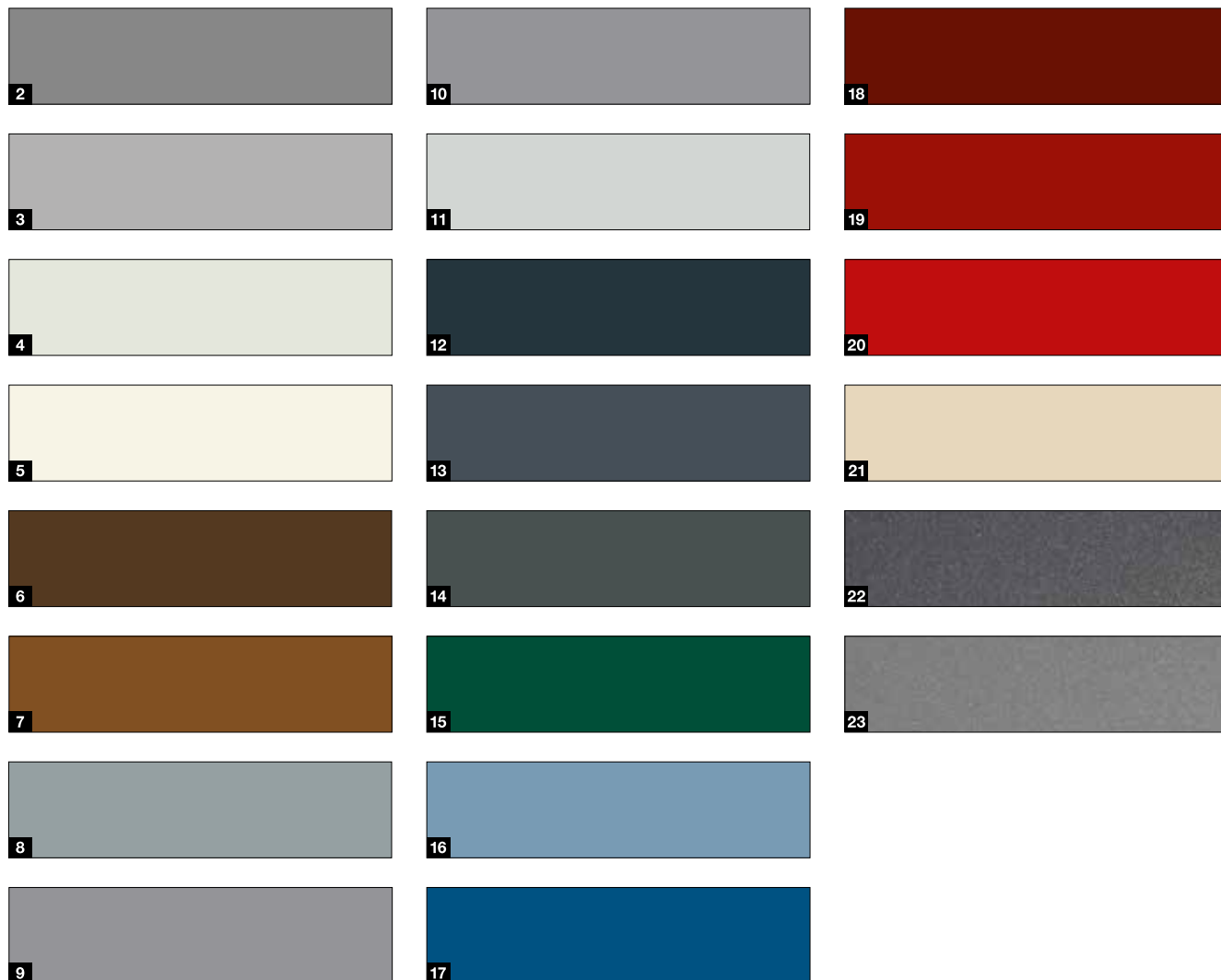
Colours

Standard and preferred colours, Matt deluxe colours as well as Decograin decors

In low-cost Traffic white as standard



22 preferred colours



- 1 RAL 9016 Traffic white
- 2 RAL 9007 Grey aluminium
- 3 RAL 9006 White aluminium
- 4 RAL 9002 Grey white
- 5 RAL 9001 Cream
- 6 RAL 8028 Terra brown
- 7 RAL 8003 Clay brown
- 8 RAL 7040 Window grey
- 9 RAL 7039 Quartz grey ■ **NEW**

- 10 RAL 7037 Dusty grey ■ **NEW**
- 11 RAL 7035 Light grey
- 12 RAL 7016 Anthracite grey
- 13 RAL 7015 Slate grey ■ **NEW**
- 14 RAL 7012 Basalt grey ■ **NEW**
- 15 RAL 6005 Moss green
- 16 RAL 5014 Pigeon blue
- 17 RAL 5010 Gentian blue

- 18 RAL 3004 Purple red
- 19 RAL 3003 Ruby red
- 20 RAL 3000 Flame red
- 21 RAL 1015 Light ivory
- 22 CH 703 Anthracite metallic
- 23 CH 907 Grey aluminium ■ **NEW**

Side element standard sizes

Version	Overall frame dimension (ordering size)
Thermo65 / Thermo46	400 x 2,100

Side element special sizes

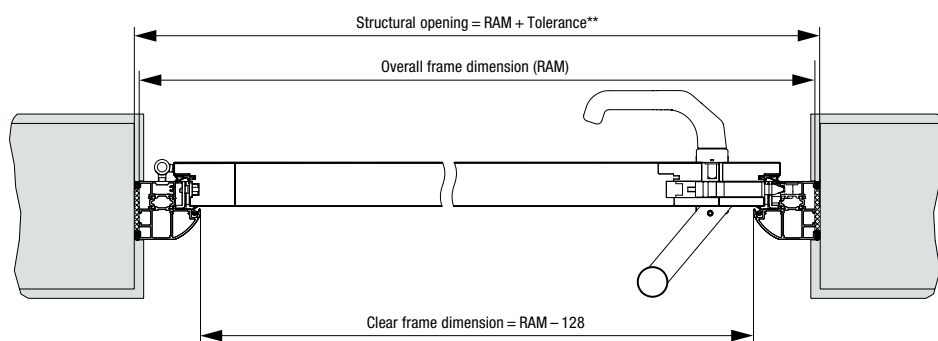
Versions	Overall frame dimension (ordering size)
Thermo46	300 – 1,000 ¹ x 700 – 2,250
Thermo65	300 – 1,000 ¹ x 700 – 2,250

¹ Transom light not possible from a width of 500 mm. Door sets with side elements do not contribute to the static equilibrium, which must be guaranteed by the building structure.

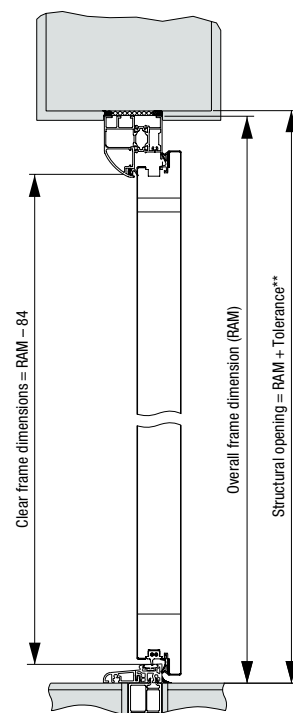
Transom light special sizes

Version	Overall frame dimension (ordering size)
Thermo65 / Thermo46	700 – 2,250 x 300 – 500

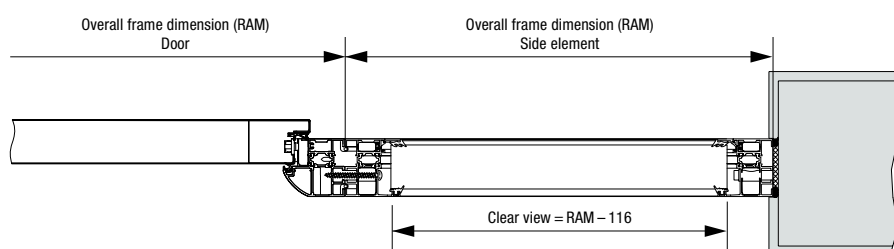
Horizontal view of door, Thermo46



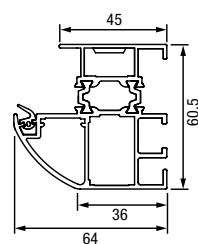
Vertical view of door, Thermo46



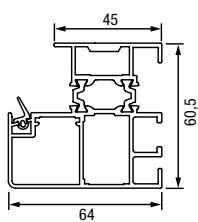
Horizontal view of side element, Thermo46



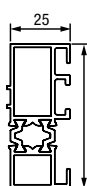
Frame variants, Thermo46



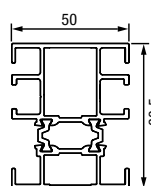
Frame A1



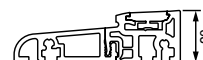
Frame A2



Extension profile
25 mm



Extension profile
50 mm



Threshold as standard

** The structural opening height is based on the finished floor dimension which includes any and all floor coverings. (Please note that each application/project is unique and the tolerance may alter) These doors are rebated on all four sides, failure to take the floor covering into consideration could prevent the door from opening.

Garage Doors

Steel sectional doors

Door leaf versions



LPU 67 Thermo

- Energy-saving door with excellent thermal insulation
- 67 mm thick sections with thermal break
- RC 2 security equipment as standard

LPU 42

- Good insulation and door travel properties
- Double-skinned 42 mm thick sections
- Optional RC 2 security equipment

LTE 42

- Inexpensive solution for free-standing garages
- Single-skinned sections
- No thermal insulation

Surface finishes

Woodgrain and Silkgrain in Traffic white RAL 9016 and 15 preferred colours



Slategrain 2 colours



Sandgrain in 4 colours



Planar in 6 colours



Decograin in 6 decors



Duragrain in 24 decors



	LPU 67 Thermo	LPU 42	LTE 42
Performance characteristics according to European standard 13241			
Section material	Galvanised sheet steel with polyester primer coating	Galvanised sheet steel with polyester primer coating	Galvanised sheet steel with polyester primer coating
Section thickness	Double-skinned, 67 mm	Double-skinned, 42 mm	Single-skinned
Thermal insulation U-value fitted door	1.0 W/(m ² ·K) ¹⁾	1.4 W/(m ² ·K) ¹⁾	6.5 W/(m ² ·K) ¹⁾
Acoustic insulation	Approx. 25 dB	Approx. 25 dB	Approx. 20 dB
Wind load ⁵⁾	Class 3	Class 3	Class 2
Air/water tightness	Class 3 ⁴⁾ / Class 3 ³⁾	Class 3 ⁴⁾ / Class 3 ³⁾	Class 0 ²⁾ / Class 0 ²⁾
Max. width Max. height	5000 mm 3000 mm	6000 mm 3000 mm	5000 mm 3000 mm
Styles / surface finishes			
S-ribbed		Woodgrain	Woodgrain (Traffic white RAL 9016)
M-ribbed	Silkgrain, Decograin (3 decors)	Woodgrain, Slategrain, Silkgrain, Sandgrain, Decograin	
L-ribbed	Silkgrain, Decograin (3 decors)	Woodgrain, Slategrain, Silkgrain, Sandgrain, Planar, Decograin, Duragrain	
D-ribbed		Silkgrain	
T-ribbed		Silkgrain	
S-panelled		Woodgrain, Decograin	Woodgrain (Traffic white RAL 9016)

¹⁾ The U-values apply to fitted doors without glazing with the dimensions 5000 × 2250 mm

²⁾ Doors with ventilation slots, classes 2 – 3 on request

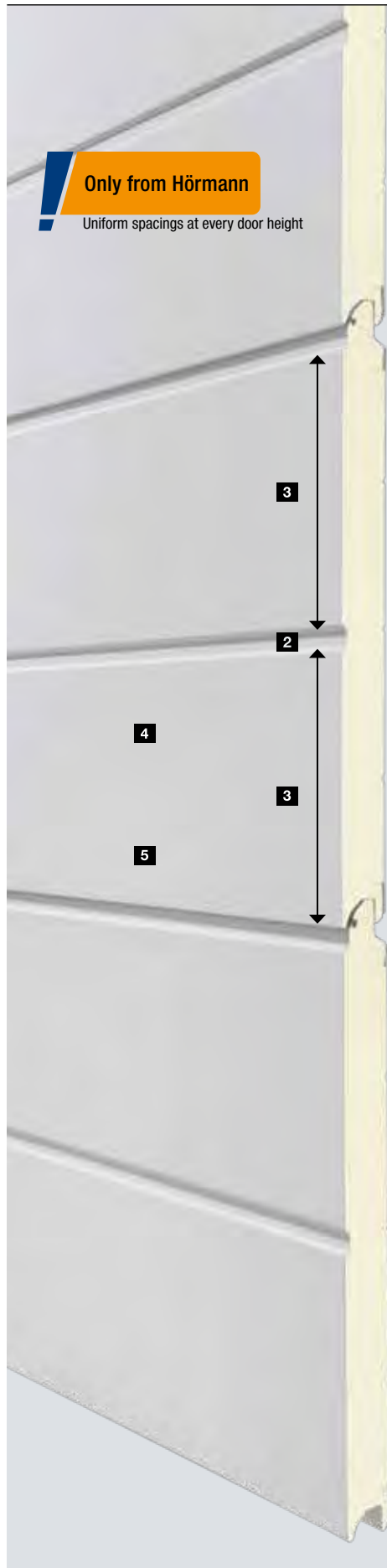
³⁾ Up to 70 Pa water pressure

⁴⁾ Available for panelling and L-ribbing (LPU 42 doors with S-, M-, D- or T-ribbing as well as with wicket door: class 2)

⁵⁾ Higher wind load classes on request

Steel sectional doors

Door leaf construction



1 Section transition

The door leaf of a sectional door consists of several sections that are flexibly connected with a tongue-and-groove system. With Hörmann, the transitions are shaped so that they are practically invisible when the door is closed. See for yourself!

2 Ribbed

A ribbing is stamped into the exterior sheet of the section. It has the same view as a section transition.

3 Uniform spacings

For a particularly harmonious door appearance, Hörmann divides the ribbing and the section transitions evenly at every door height.

4 High-quality primer coating

The sections are optimally protected by the double-sided hot-galvanised sheet steel in conjunction with the high-quality polyester primer coating in Grey white RAL 9002 on the inside.

5 Permanently beautiful door appearance

On the outside, depending on the surface, the high-quality polyester primer coating, the UV-resistant plastic film coating or the final coating with high-strength protective paint gives your door a permanently beautiful appearance.

Standard styles



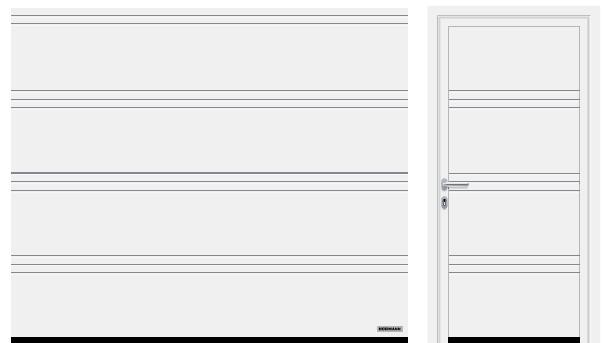
S-ribbed (LPU 42, LTE 42), Traffic white RAL 9016



M-ribbed (LPU 67 Thermo, LPU 42, LTE 42), Traffic white RAL 9016



D-ribbed (LPU 42), Traffic white RAL 9016



T-ribbed (LPU 42), Traffic white RAL 9016



L-ribbed (LPU 67 Thermo, LPU 42), Traffic white RAL 9016



S-panelled (LPU 42, LTE 42), Traffic white RAL 9016

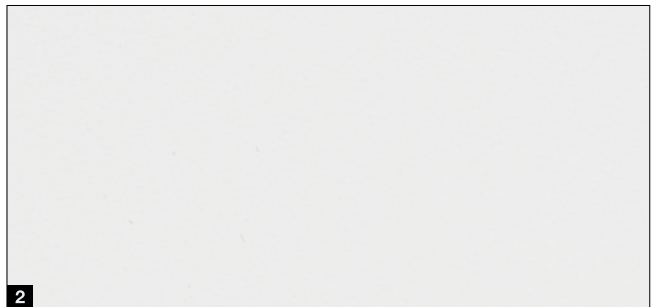
Surface finishes, colours, decors

Woodgrain, Silkgrain

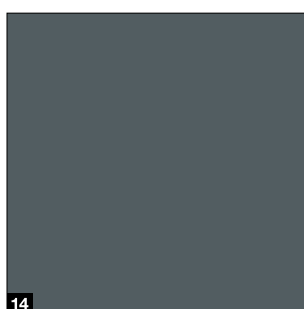
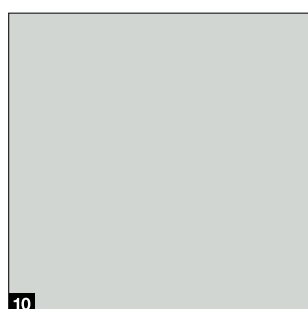
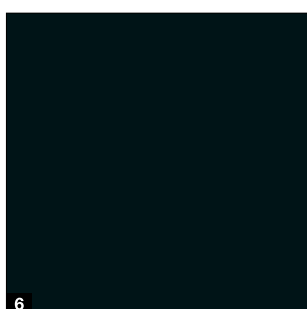
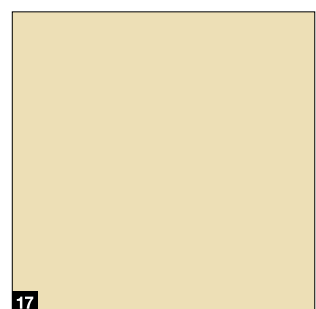
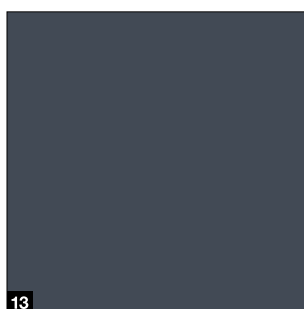
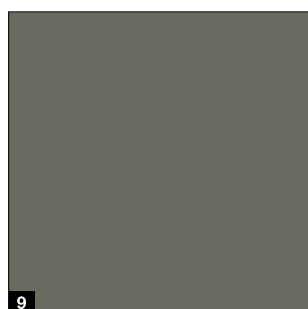
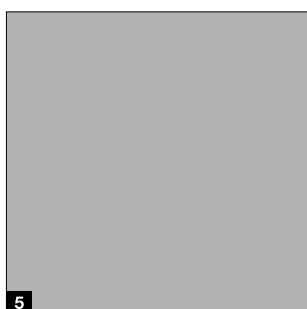
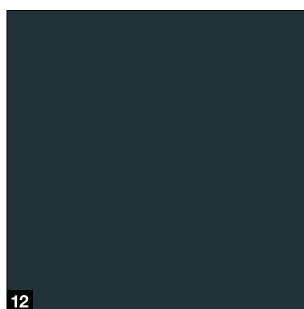
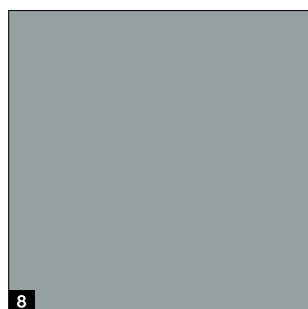
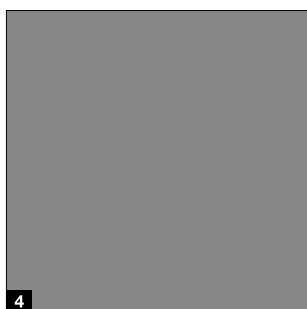
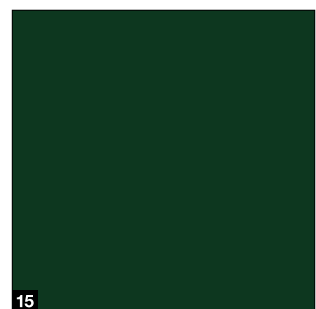
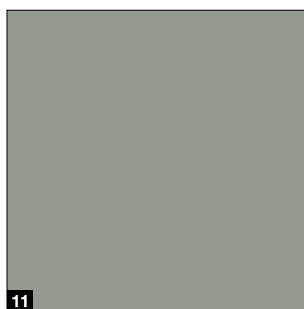
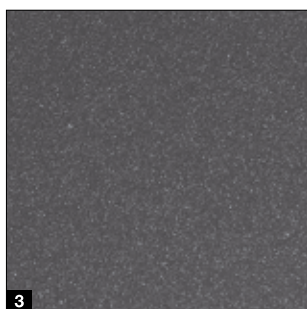
Woodgrain



Silkgrain



15 preferred colours



LPU 67 Thermo, LPU 42, LTE 42, ART 42, ART 42 Thermo

Modernisation sizes ²⁾

[illegible]

²⁾ Not available for panel styles with Decograin surface finishes and solid timber doors

	Track application Z for LPU 42 Silkgrain, LPU 67, ART 42, ART 42 Thermo		Track application Z		Track application N, L
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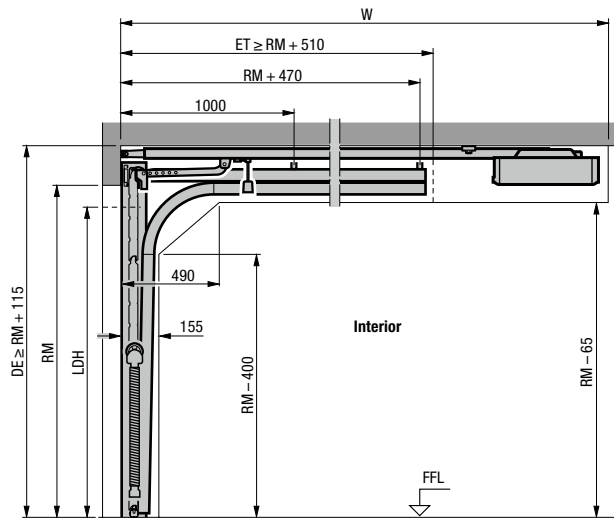
Track application Z			
	Min. DE ²⁾	LDH	
With operator			
Grid height (RM)			
	2205	2320	2175
	2080	2195	2050
	1955	2070	1925
With manual operation			
Grid height (RM)			
	2205	2305	2125
	2080	2180	2000
	1955	2055	1875

³⁾ LPU 42: LZ > 3010 mm = LDH - 80 mm; LPU 67 Thermo: LZ < 3000 mm = LDH - 55 mm, LZ > 3010 mm = LDH - 105 mm

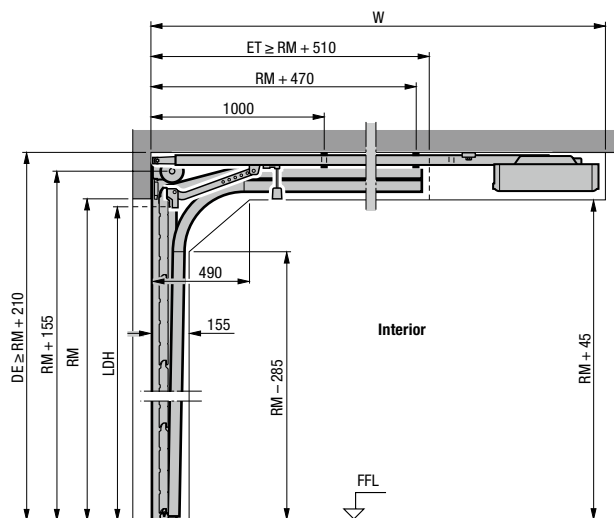
84 CONFIGURATION, CONSULTATION, TECHNOLOGY | EQUIPMENT

Vertical views (with operator)

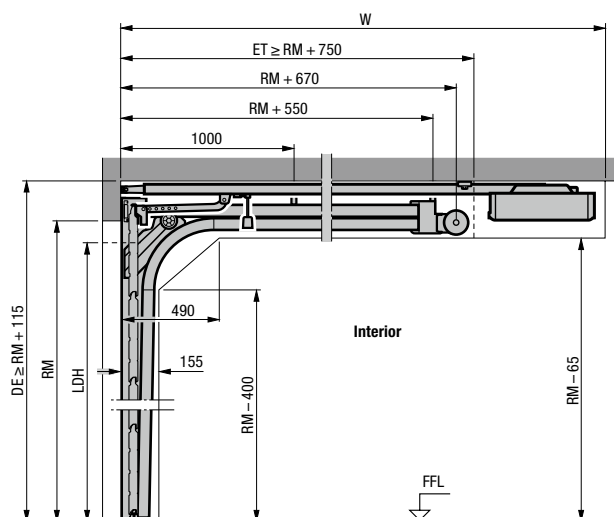
Track application Z



Track application N

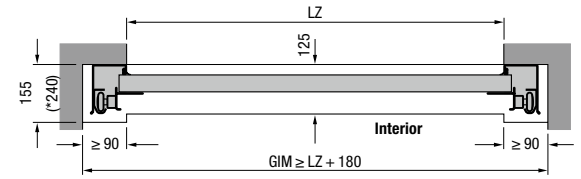


Track application L



Horizontal view

Track application Z, N, L



Fitting with track applications Z, N, L

Overall length operators (W)	Track application Z	Track application N	Track application L
Doors with operator			
2125 (K)	3200	3200 ¹⁾	3200
2250 (K)		3200 ²⁾	
2375 (M)	3450	3450 ¹⁾	3450
2500 (M)		3450 ²⁾	
2625 (L)	4125		
3000 (L)		4125	4125

¹⁾ Max. door height only for LPU 67 Thermo

²⁾ Max. door height only for LPU 42, LTE 42

Explanations

Operator booms

K	Short boom
M	Medium boom
L	Long boom

Ordering sizes

LZ	Clear frame dimension
RM	Grid height
DE	Ceiling height
W	Overall length with operator
LDH	Clear passage height
GIM	Inside garage dimension
ET	Distance back

Note:

The operator should be fitted 40 mm higher for dark coloured doors which are exposed to the sun.

For track applications such as high-lift track applications as well as further information, please see the technical manual or contact your Hörmann partner.

Cycle Storage



Value Two Tier Bike Rack (BDS)

Ex. VAT: £109.00 **TOTAL**
Inc. VAT: £130.80

*Base price, not including any custom options.

Product Images





Description

The BDS Value Two Tier Bike Rack (with easy lift gas assist) is a new take on the original BDS Two Tier Bike Rack. This pioneering and user friendly cycle parking system has excellent space saving bike storage, superb usability and high value; allowing you to house twice as many bikes in the same area and space as any standard bike rack.

The unique aspect of the space efficient and cost effective "BDS Value Two Tier Bike Rack" makes it exclusive which has resulted in a growing requirement for it; especially in areas of high population densities such as stations, shopping centres, schools, car parks and offices.

For all types of bicycles

The BDS Value Two Tier Bike Rack can accommodate all types of bicycles, such as mountain bikes and road bikes, which can be chained or D-locked on to the Value Two Tier Bike Rack for added security. On the top level, the bicycle is well supported by wheel channels and the back wheel is stabilised by a gutter to lock the bicycle firmly into place. On the bottom level, the user will be using bike stands to rest their bike against and lock by the wheels and frame.

Simple and easy

This rack is excellent for space saving as the cycle stands are so compact with a centre to centre distance of only 375mm. And the height requirement for this rack is only 2.4m - lower than other double stacking racks on the market.

Capacity Calculator*

Estimate how many bikes you can store:

Length mm units:

Calculate

Number of cycles stored:

*Minimum height of 2.4 metres required

Benefits of the BDS Value Two Tier Bike Rack include:

- Available in a very durable galvanised finish
- Easy to use upper tier using bearings and easy lift gas for long life and minimum maintenance
- BREEAM compliant, where each bike has 3 locking points
- The bicycle is held stable in the wheel channels with locking bars for additional security on top

- Accommodates all cycle types (mountain bikes, town bikes etc)
- Bicycle frame and wheel can be chained for security
- Cycle is well supported when being stored
- These racks can be extended in lines indefinitely
- Back to back or single sided versions available. As are angled versions e.g. 45 degrees left or right.
- Robust construction, hot dip galvanised to BS EN ISO 1461
- Designed and manufactured by a company with over 50 years experience
- This bike rack can help contribute towards gaining ENE8 Cycle storage credits when used in the appropriate situation, under the Code for Sustainable Homes.
- Cycle stands are compact with a centre to centre distance of 375mm. Bike stands at the bottom have a centre spacing of 700mm. The top and bottom hold the same number of bikes.
- Minimum height required is 2400mm x minimum depth 1950mm (plus a recommended minimum entrance space of 1500mm)
- Easy lift gas strut fitted so lifting the bike up on the rack requires minimal force from the user

How many bikes can I fit in with the BDS Value Two Tier Bike Rack?

It's easy to work out. All you need to do, is measure the length of the area you want to fit the rack in. The length (mm) divided by 375mm = number of bikes that will fit on the bottom row. Multiply by 2 to get the total number of bike spaces and subtract 2 bikes to allow for the handle bars sticking out.

For example. 4000mm length divided by 375 = 10.666. Multiplied by 2 = 21.333. Round it down to 20 bikes.

How much space in the room do I need?

To be comfortable, we advise at least a 3500mm depth and a width of:

- 4 bikes - 1125mm
- 6 bikes - 1500mm
- 8 bikes - 1875mm
- 10 bikes - 2250mm
- 12 bikes - 2625mm
- 14 bikes - 3000mm
- 16 bikes - 3375mm
- 18 bikes - 3750mm
- 20 bikes - 4125mm
- Simply add 375mm for each extra 2 bikes.

Lead Time on the BDS Value Two Tier Bike Rack

Unlike many other Two Tier bike rack manufacturers, we carry stock of the main components so lead times can be much shorter. We have often delivered against very strict deadlines, The London Shard being an example; where we attended site, created a CAD layout plan for approval, designed a bespoke solution, manufactured and delivered in 4 weeks to the set and agreed deadlines.

Typical delivery time: 2-8 weeks

PLEASE CALL US ON 0800 612 6113 TO DISCUSS MORE DETAILS OR TECHNICAL INFORMATION.

Additional Information

Best Sellers M2	No
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Additional Options

Number of Bikes (Minimum of 4. Higher qty available)	None	£0.00
	4 bikes	£327.00
	6 bikes	£545.00
	8 bikes	£763.00
	10 bikes	£981.00
	12 bikes	£1,199.00
	14 bikes	£1,417.00
	16 bikes	£1,635.00
	18 bikes	£1,853.00
	20 bikes	£2,071.00
Assembly & Installation Bolts	None	£0.00
	Assembly & Installation Bolts	£55.00





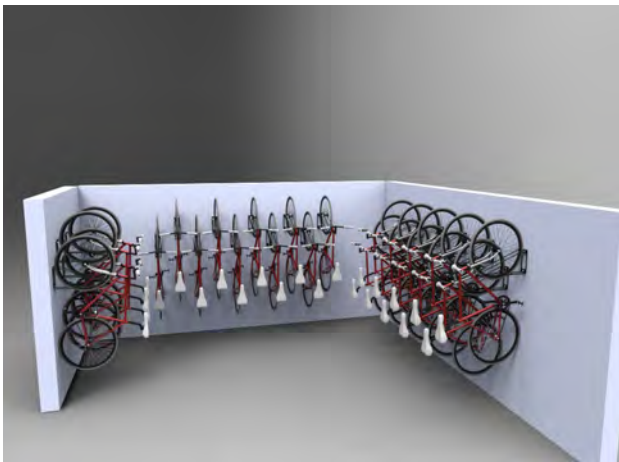
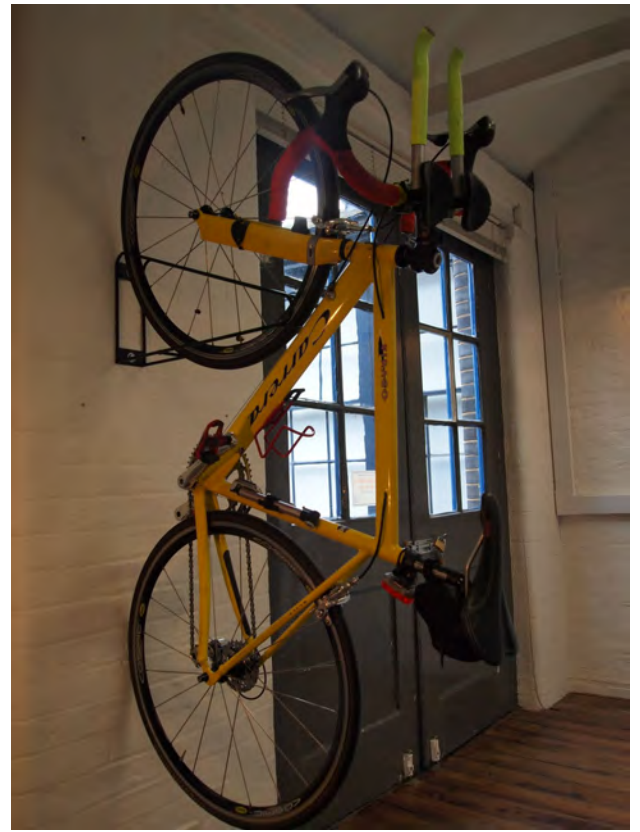
The Wall Dock

Ex. VAT: £29.99 **TOTAL**
Inc. VAT: £35.99 As
low as
TOTAL Inc. VAT:
£34.19

*Base price, not including any custom options.

Product Images





Description

The Wall Dock holds 1 bike, a secure and economical solution for storing your bikes. It reduces the bike footprint by storing them vertically. The Wall Dock also supports the bike in a friendly way, as not to damage expensive wheels.

To use, you simply lift the front of the bike and place it's front wheel in the dock. For extra security, users can lock their bike in place with a secure D-lock and for transported bikes 2 Wall Docks can be used for stability. Locking bar is also available at the bottom if you would like another locking point.

Capacity Calculator*

Estimate how many bikes you can store:

Length mm units:

Calculate

Number of cycles stored:

Specification

- 305mm centre line gap between each wall dock
- Fits up to 75mm wide tyres
- Takes the weight of the heaviest bikes, including electric. Strong steel frame built to last.
- Resilient finish, suitable for outdoor use
- Requires 2x M8 Coach screws/bolts for wall fixing
- Simple to apply a bike lock to both wheel and frame
- Optional locking hoops at the bottom available for an additional locking point
- Fits bikes of different shapes and sizes: mountain, racing, town, bmx and child bikes
- Easy to use

Code: BR6 2204

Delivery time: 3-5 working days (for quantities up to 20)

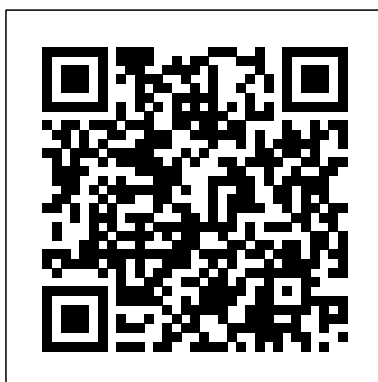
- EU Trademark and Design Registration No. 001874256-001

Best Sellers M2

Yes

Additional Options

Locking hoops at the bottom	None	£0.00
	With locking hoops for each Wall Dock	£22.00
Installation Bolts	None	£0.00
	Installation Bolts	£4.39



Additional Information



Value Two Tier Bike Rack (BDS)

Ex. VAT: £109.00 **TOTAL**
Inc. VAT: £130.80

*Base price, not including any custom options.

Product Images





Description

The BDS Value Two Tier Bike Rack (with easy lift gas assist) is a new take on the original BDS Two Tier Bike Rack. This pioneering and user friendly cycle parking system has excellent space saving bike storage, superb usability and high value; allowing you to house twice as many bikes in the same area and space as any standard bike rack.

The unique aspect of the space efficient and cost effective "BDS Value Two Tier Bike Rack" makes it exclusive which has resulted in a growing requirement for it; especially in areas of high population densities such as stations, shopping centres, schools, car parks and offices.

For all types of bicycles

The BDS Value Two Tier Bike Rack can accommodate all types of bicycles, such as mountain bikes and road bikes, which can be chained or D-locked on to the Value Two Tier Bike Rack for added security. On the top level, the bicycle is well supported by wheel channels and the back wheel is stabilised by a gutter to lock the bicycle firmly into place. On the bottom level, the user will be using bike stands to rest their bike against and lock by the wheels and frame.

Simple and easy

This rack is excellent for space saving as the cycle stands are so compact with a centre to centre distance of only 375mm. And the height requirement for this rack is only 2.4m - lower than other double stacking racks on the market.

Capacity Calculator*

Estimate how many bikes you can store:

Length mm units:

Calculate

Number of cycles stored:

*Minimum height of 2.4 metres required

Benefits of the BDS Value Two Tier Bike Rack include:

- Available in a very durable galvanised finish
- Easy to use upper tier using bearings and easy lift gas for long life and minimum maintenance
- BREEAM compliant, where each bike has 3 locking points
- The bicycle is held stable in the wheel channels with locking bars for additional security on top

- Accommodates all cycle types (mountain bikes, town bikes etc)
- Bicycle frame and wheel can be chained for security
- Cycle is well supported when being stored
- These racks can be extended in lines indefinitely
- Back to back or single sided versions available. As are angled versions e.g. 45 degrees left or right.
- Robust construction, hot dip galvanised to BS EN ISO 1461
- Designed and manufactured by a company with over 50 years experience
- This bike rack can help contribute towards gaining ENE8 Cycle storage credits when used in the appropriate situation, under the Code for Sustainable Homes.
- Cycle stands are compact with a centre to centre distance of 375mm. Bike stands at the bottom have a centre spacing of 700mm. The top and bottom hold the same number of bikes.
- Minimum height required is 2400mm x minimum depth 1950mm (plus a recommended minimum entrance space of 1500mm)
- Easy lift gas strut fitted so lifting the bike up on the rack requires minimal force from the user

How many bikes can I fit in with the BDS Value Two Tier Bike Rack?

It's easy to work out. All you need to do, is measure the length of the area you want to fit the rack in. The length (mm) divided by 375mm = number of bikes that will fit on the bottom row. Multiply by 2 to get the total number of bike spaces and subtract 2 bikes to allow for the handle bars sticking out.

For example. 4000mm length divided by 375 = 10.666. Multiplied by 2 = 21.333. Round it down to 20 bikes.

How much space in the room do I need?

To be comfortable, we advise at least a 3500mm depth and a width of:

- 4 bikes - 1125mm
- 6 bikes - 1500mm
- 8 bikes - 1875mm
- 10 bikes - 2250mm
- 12 bikes - 2625mm
- 14 bikes - 3000mm
- 16 bikes - 3375mm
- 18 bikes - 3750mm
- 20 bikes - 4125mm
- Simply add 375mm for each extra 2 bikes.

Lead Time on the BDS Value Two Tier Bike Rack

Unlike many other Two Tier bike rack manufacturers, we carry stock of the main components so lead times can be much shorter. We have often delivered against very strict deadlines, The London Shard being an example; where we attended site, created a CAD layout plan for approval, designed a bespoke solution, manufactured and delivered in 4 weeks to the set and agreed deadlines.

Typical delivery time: 2-8 weeks

PLEASE CALL US ON 0800 612 6113 TO DISCUSS MORE DETAILS OR TECHNICAL INFORMATION.

Additional Information

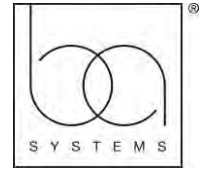
Best Sellers M2	No
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Additional Options

Number of Bikes (Minimum of 4. Higher qty available)	None	£0.00
	4 bikes	£327.00
	6 bikes	£545.00
	8 bikes	£763.00
	10 bikes	£981.00
	12 bikes	£1,199.00
	14 bikes	£1,417.00
	16 bikes	£1,635.00
	18 bikes	£1,853.00
	20 bikes	£2,071.00
Assembly & Installation Bolts	None	£0.00
	Assembly & Installation Bolts	£55.00



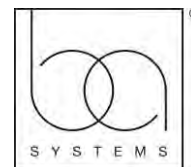
Balconies & Balustrades



Specification

1. B40 Balustrade Specification:

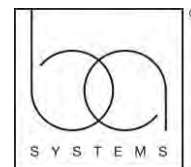
- Description: B40 Proprietary Frameless Glass balustrade system
- System Performance: designed to comply with requirements of BS6180:2011 and approved document K. Horizontal UDL to be 1.5KN/m
- System Manufacture: Brass Age Ltd T/A BA Systems, 22 Bidwell Road, Rackheath, Norwich, NR13 6PT
- Newels:
 - Material: A2 Fire Rated Glass Balustrade. Glass to be 1100mm from finished floor level.
 - Accessories: Base channel to have extruded aluminium cover clips to integrate with finished surfaces where necessary.
- Uprights: - N/A
- Infills: N/A
- Rails: N/A
 - Handrails: Low Profile Capping
 - Mid Rails: N/A
 - Base Rails: N/A
- Fixing to Parent Structure:
 - Extruded aluminium ICE 2 channel profile surface fixed to the concrete slab.
 - No secondary steel support brackets are required.



Specification

1. B50 Balustrade Specification:

- Description: B50 Vertical Bar balustrade system
- System Performance: designed to comply with requirements of BS6180:2011 and approved document K. Horizontal UDL to be 0.74KN/m
- System Manufacture: Brass Age Ltd T/A BA Systems, 22 Bidwell Road, Rackheath, Norwich, NR13 6PT
- Newels:
 - Material: 70 x 12mm rectangular polyester powder coated aluminium vertical bars spaced at 100mm centres. Top rail at 1125mm above finished floor level.
 - Accessories: N/A
- Uprights: - N/A
- Infills: - 70 x 12mm rectangular polyester powder coated aluminium vertical bars spaced at 100mm centres.
- Rails:
 - Handrails: 75 x 19mm horizontal polyester powder coated aluminium top rail.
 - Mid Rails: N/A
 - Base Rails: 75 x 19mm horizontal polyester powder coated aluminium bottom rail.
- Fixing to Parent Structure:
 - Side fixed to slab edge with continuous polyester powder coated metal plate acting as fascia panel.



Specification

1. B50 Juliette Balustrade Specification:

- Description: B50 Vertical Bar balustrade system
- System Performance: designed to comply with requirements of BS6180:2011 and approved document K. Horizontal UDL to be 0.74KN/m
- System Manufacture: Brass Age Ltd T/A BA Systems, 22 Bidwell Road, Rackheath, Norwich, NR13 6PT
- Newels:
 - Material: Extruded Aluminium 6063
 - Accessories: N/A
- Uprights: - N/A
- Infills: - 50 x 12mm polyester powdercoated aluminium vertical bars centreline spacing 90mm
- Rails:
 - Handrails: 55 x 16mm Extruded Aluminium 6063
 - Mid Rails: N/A
 - Base Rails: 55 x16mm extruded aluminium, components polyester powdercoated
- Fixing to Parent Structure:
 - First fix stud bracket to be installed with the brickwork

Hard Landscaping

Pedesta

Attractive smooth finish.

The hard-wearing smooth surface of Pedesta creates a vibrant look in a popular rectangular format. Our PrimeTop manufacturing process creates colours which retain their vibrancy for longer than many other options on the market.

- Superb hard-wearing smooth surface
- Vibrant long-lasting colours
- Rectangular profile allows the creation of distinctive patterns
- Creates a stunning, smooth look
- Pencil Edge Pedesta also available



200 x 100mm

Sizes



50mm

60mm

80mm

Depths

 **PrimeTop®**  **Ef-Stop®**

S

Smooth

Finish



Permeable

Also available as



Pedestrian
Use



Light
Traffic



Commercial
Traffic



BIM
Level 2

Refer to relevant guidance in BS 7533



Pedesta



Specification

 **PrimeTop**®  **Ef-Stop**®

Product type	Concrete Paving Block
Manufactured to	BS EN 1338:2003
Surface Layer	Hard-wearing surface layer with a minimum of 4mm and >350kgs/m ³ cement
Surface Finish	Smooth
Chamfer	Standard or Pencil Chamfer
Efflorescence	Minimum 12 hour vapour curing to significantly reduce the possibility of efflorescence
Strength	Typical tensile splitting strength of >3.6MPa
Slip/Skid risk	Extremely Low
Installed to	BS 7533-3:2005
NS	Plus Q24 110 Create 45-20-64/400
Applications	Refer to the relevant part of BS 7533 for the correct sub-base design and the most suitable product size for your application. Available from www.bsigroup.com
Energy used	100% renewable energy
Water used	100% from our rainwater harvesting system and groundwater bore hole
Recycled content	Not less than 12%
Carbon Footprint	50mm 18kgCo ² e/m ² 60mm 22kgCo ² e/m ² 80mm 30kgCo ² e/m ²
Recyclable	100% of this product can be recycled
Manufacturing & Delivery	From one location within the UK
breeam rating www.bre.co.uk	50/60mm: A , according to the Green Guide to Specification, 4 th Edition 2009. A+ , can be achieved by using a recycled sub-base. 80mm: B , in according to the Green Guide to Specification, 4 th Edition 2009. A , can be achieved by using a recycled sub-base.

Tobermore products are manufactured in accordance with an accredited ISO 9001:2015 Quality Management. Manufacturing facilities are accredited to ISO14001:2015 Environmental Management. The company publish environmental labels and declarations in accordance with BES 6001.

Contact Us

GB: 0844 800 5736
 NI: 028 7964 2411
 ROI: 048 7964 2411

Email

technical@tobermore.co.uk
sales@tobermore.co.uk

tobermore.co.uk

Pedesta



Stock

product	size (mm)	colours available	in stock	m ² per pack	m ² per slice	no. per m ²	no. per pack	weight kg per pack GB	weight kg per pack NI/ROI
Pedesta 50mm [void pack]	200 x 100 x 50	Bracken, Brindle, Charcoal, Golden, Heather, Red, Slate	YES	13.76	0.96	50	688	1545	1545
Pedesta 60mm BIM	200 x 100 x 60	Bracken, Brindle, Charcoal, Heather	YES	13.44	2.24	50	672	1810	1800
Pedesta 60mm (pencil edge)	200 x 100 x 60	Charcoal, Natural	MTO	13.44	2.24	50	672	1810	1800
Pedesta 80mm	200 x 100 x 80	Bracken, Brindle, Charcoal, Heather	YES	9.6	1.6	50	480	1724	1714
Pedesta 80mm (pencil edge)	200 x 100 x 80	Bracken, Brindle, Charcoal, Natural	MTO	9.6	1.6	50	480	1724	1714

BIM - This product is available to download from our website in BIM Level 2 format.

Bracken



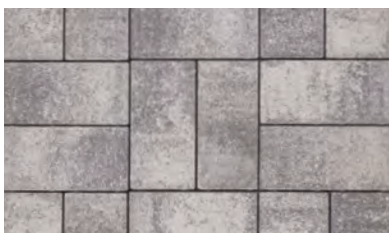
Heather



Brindle



Slate



Natural



Charcoal



Red



Golden



Contact Us

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Email

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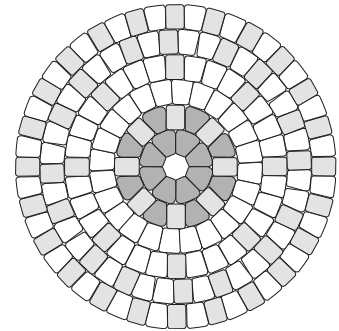
tobermore.co.uk

Tegula setts & circles

Traditional styling.

With Tegula Setts & Circles you can create an authentic aged effect. We manufacture Tegula Setts & Circles in five colours, so you can be even more creative with your paving design.

- Processed to give an aged, antique appearance
- Vibrant long-lasting colours
- Significantly reduced efflorescence
- Suitable for both modern or period properties
- Ideal for creating borders



Tegula Circular System

Tegula Circular is a specially designed system for easy creation of circular patterns. Please refer to our website for laying guidelines.

Ef-Stop®



Finish



Pedestrian
Use



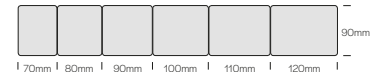
Light
Traffic



BIM
Level 2

Refer to relevant guidance in BS 7533

90mm x VARIOUS (all sizes in one pack)



100mm x 100mm

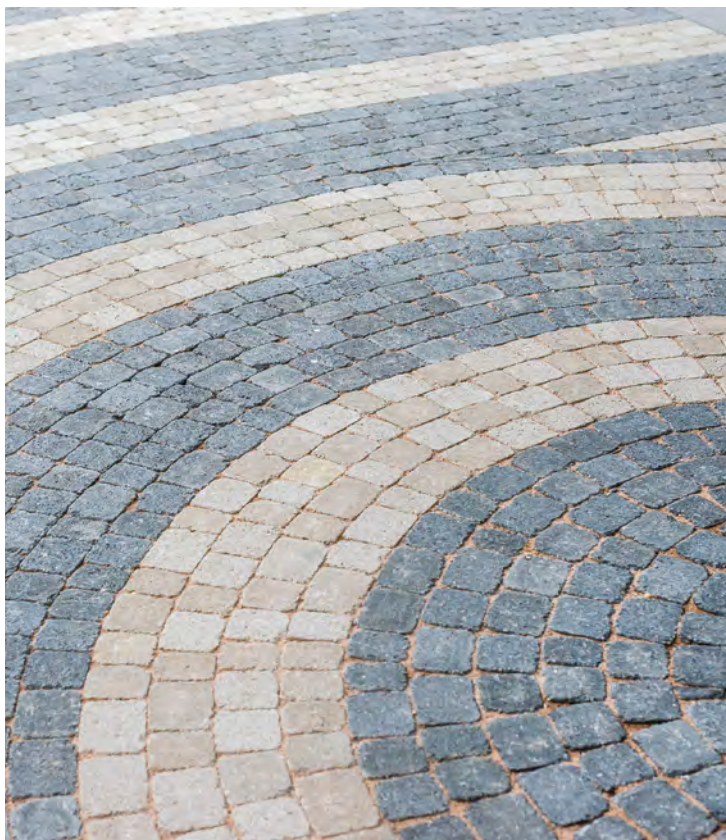


50mm

Depths



Tegula setts & circles



Specification



Product type		Concrete Paving Block	
Manufactured to		BS EN 1338:2003	
Surface Finish		Processed to give an aged appearance	
Efflorescence		Minimum 12 hour vapour curing to significantly reduce the possibility of efflorescence	
Strength		Typical tensile splitting strength of >3.6MPa	
Slip/Skid risk		Extremely Low	
Installed to		BS 7533-3:2005	
NS	(Setts)	Plus Q24 110	Create 45-20-64/410
NS	(Circle)	Plus Q24 110	Create 45-20-64/400
Applications		Refer to the relevant part of BS 7533 for the correct sub-base design and the most suitable product size for your application. Available from www.bsigroup.com	
Energy used		100% renewable energy	
Water used		100% from our rainwater harvesting system and groundwater bore hole	
Recycled content		Not less than 10% (all colours except Natural & Golden)	
Carbon Footprint		<u>Tegula Setts</u>	<u>Tegula Circle</u>
		50mm 17kgCo ² e/m ²	50mm 19kgCo ² e/m ²
		60mm 22kgCo ² e/m ²	
Recyclable		100% of this product can be recycled	
Manufacturing & Delivery		From one location within the UK	
breeam rating www.bre.co.uk		A , according to the Green Guide to Specification, 4 th Edition 2009. A+ , can be achieved when used in conjunction with a prepared recycled sub-base.	

Tobermore products are manufactured in accordance with an accredited ISO 9001:2015 Quality Management. Manufacturing facilities are accredited to ISO14001:2015 Environmental Management. The company publish environmental labels and declarations in accordance with BES 6001.

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Tegula setts & circles



Stock

product	size (mm)	colours available	in stock	m ² per pack	m ² per slice	no. per m ²	no. per pack	weight kg per pack GB	weight kg per pack NI/ROI
Tegula Setts BIM	Various x 50	Bracken, Charcoal, Golden, Heather, Natural	YES	8.5	0.85	117	995	930	920
	100 x 100 x 50	Bracken, Charcoal, Golden, Heather	YES	11.52	0.96	100	1152	1215	1205
	Various x 60	Bracken, Charcoal, Golden, Heather, Natural	YES	6.8	0.85	117	796	872	862
Tegula Circle (sold as one unit)	50 x 1.5m diameter	Bracken, Charcoal, Golden, Heather, Natural	YES	-	1.76 (per circle)	-	1 circle	200	200

BIM - This product is available to download from our website in BIM Level 2 format.

Heather



Bracken



Natural



Charcoal



Golden



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Mayfair Flags

Natural granite aggregate paving.

Mayfair flags have a sophisticated, modern feel. Manufactured with natural granite aggregates, Mayfair flags have a hard-wearing, durable surface and come in five natural colours.

- Manufactured with natural granite aggregates
- Superb hard-wearing granite surface
- Vibrant long-lasting colours
- Creates a striking, contemporary look

 **PrimeTop®**
 **Ef-Stop®**
 **EasyClean**

TGA

Textured
Granite Aggregate

Finish



Steps



AirClean



Pedestrian
Use



Light
Traffic



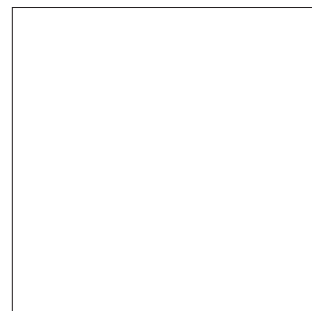
Commercial
Traffic



BIM
Level 2

Also available as

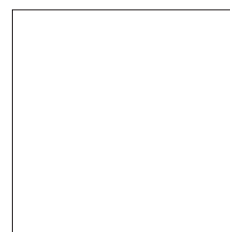
Refer to relevant guidance in BS 7533



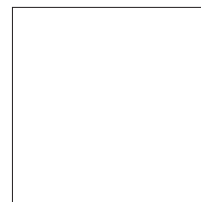
600 x 600mm



600 x 400mm



450 x 450mm



400 x 400mm

Sizes



70mm

65mm

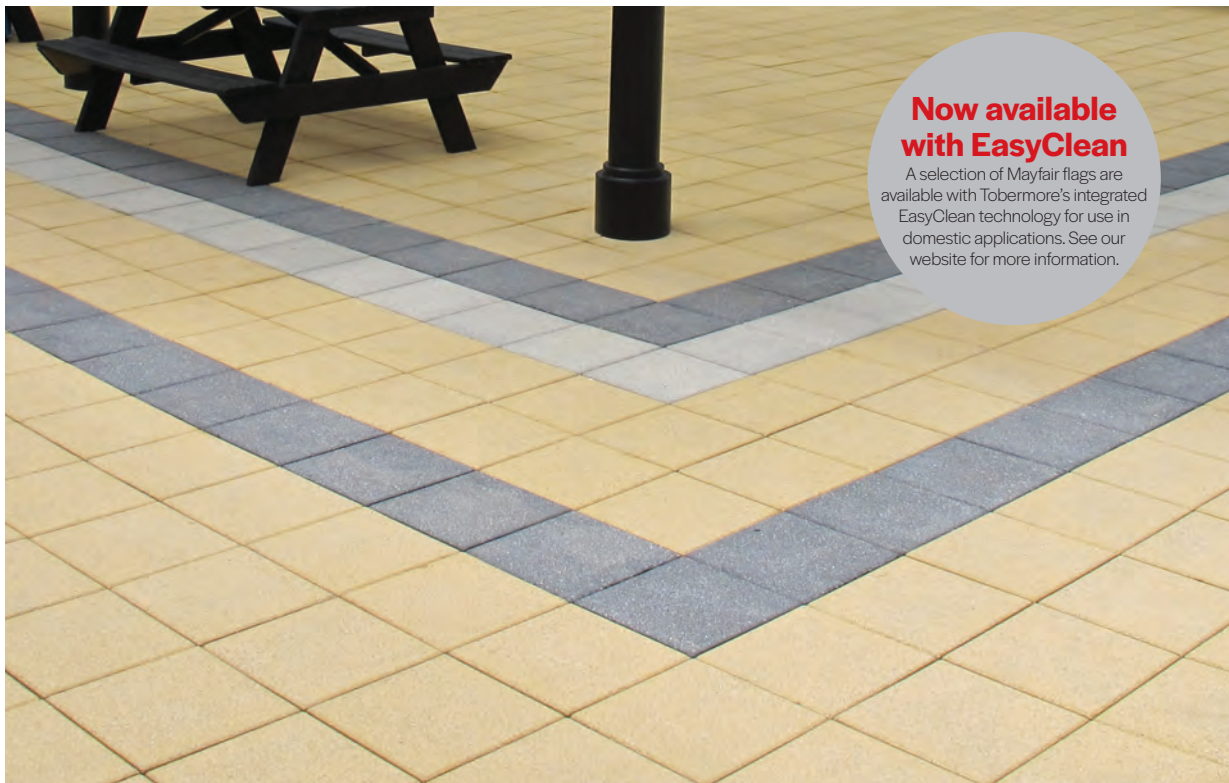
50mm

40mm

35mm

Depths

Mayfair Flags



Specification

 **PrimeTop**  **Ef-Stop**

Product type	Concrete Paving Flag					
Manufactured to	BS EN 1339:2003					
Surface Layer	Hard-wearing surface layer with a minimum of 4mm and >390kgs/m³ cement					
Granite content	Not less than 57% of granite aggregate in surface layer for Silver, Graphite and Russet; Not less than 46% of granite aggregate in surface layer for Sandstone; Not less than 32% of granite aggregate in surface layer for Rose					
Efflorescence	Minimum 12 hour vapour curing to significantly reduce the possibility of efflorescence					
Strength	Less than 50mm deep Typical tensile splitting strength of >3.5MPa 50mm or greater Typical tensile splitting strength of >5MPa (Class 3)					
Slip/Skid risk	Extremely Low					
Installed to	BS 7533-4:2006					
NSI	Plus Q25 315 Create 45-20-64/395					
Applications	Refer to the relevant part of BS 7533 for the correct sub-base design and the most suitable product size for your application. Available from www.bsigroup.com					
Energy used	100% renewable energy					
Water used	100% from our rainwater harvesting system and groundwater bore hole					
Recycled content	Not less than 6%					
Carbon Footprint		35mm	40mm	50mm	65mm	70mm
	Silver	14*	16*	19*	24*	30*
	Sandstone	15*	17*	22*		
	Graphite	15*	17*	24*	30*	32*
Recyclable	100% of this product can be recycled					
Manufacturing & Delivery	From one location within the UK					
breeam rating www.bre.co.uk	A , according to the Green Guide to Specification, 4 th Edition 2009. A+ , can be achieved by using a recycled sub-base.					

Tobermore products are manufactured in accordance with an accredited ISO 9001:2015 Quality Management. Manufacturing facilities are accredited to ISO14001:2015 Environmental Management. The company publish environmental labels and declarations in accordance with BES 6001.

Contact Us

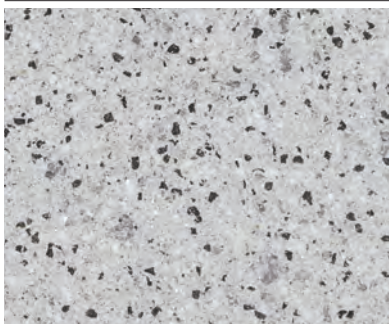
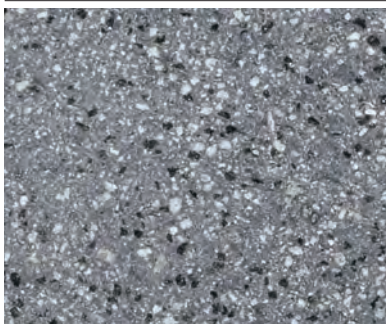
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Mayfair Flags


Silver

Graphite

Sandstone


Stock

product	size (mm)	finish	edge	colours available	in stock	no. per m ²	no. per pack	no. per pallet	weight kg per pack GB	weight kg per pack NI/ROI
Mayfair Flags BIM	600 x 600 x 50	Granite Textured	Chamfered	Graphite, Sandstone, Silver	YES	2.78	20	20	859	851
	600 x 400 x 50	Granite Textured	Chamfered	Graphite, Sandstone, Silver	YES	4.16	20	40	589	584
	450 x 450 x 70	Granite Textured	Chamfered	Silver	YES	4.94	15	60	512	508
	450 x 450 x 50	Granite Textured	Chamfered	Graphite, Sandstone, Silver	YES	4.94	20	80	470	466
	450 x 450 x 35	Granite Textured	Chamfered	Graphite, Sandstone, Silver	YES	4.94	30	120	529	525
	400 x 400 x 40	Granite Textured	Chamfered	Graphite, Sandstone, Silver	YES	6.25	25	100	384	382
	400 x 400 x 65	Granite Textured	Chamfered	Graphite, Silver	YES	6.25	16	64	395	392

BIM - This product is available to download from our website in BIM Level 2 format.

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Textured Kerb

Cost effective decorative kerb
with a shot blasted finish.

Textured Kerb offers a rustic and understated aesthetic which complements a wide variety of paving and other hard surfaces.

- Features an exposed granular surface
- Shot blasted textured finish
- A step up from standard precast concrete kerbs
- Budget friendly decorative kerb

Ef-Stop®



Finish



Pedestrian
Use



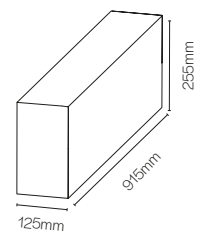
Light
Traffic



Commercial
Traffic



BIM
Level 2



Size



Textured Kerb



Specification



Product type	Concrete Kerb
Manufactured to	BS EN 1340: 2003
Efflorescence	Minimum 12 hour vapour curing to significantly reduce the possibility of efflorescence
Strength	Typical tensile splitting strength of >3-5MPa
Slip/Skid risk	Extremely Low
Installed to	BS 7533-6:1999
BS	Plus Q10 110 Create 45-20-64/370 Plus Q10 110 Create 45-20-64/365
Applications	Residential and Commercial when designed in accordance with the latest British Standard. Available from www.bsigroup.com
Energy used	100% renewable energy
Water used	100% from our rainwater harvesting system and groundwater bore hole
Recycled content	Not less than 5%
Carbon footprint	125x255x915mm 13kgCo2e/ea
Recyclable	100% of this product can be recycled
Manufacturing & Delivery	From one location within the UK
breeam rating www.bre.co.uk	Refer to the Green Guide to Specification, 4th Edition 2009.

Tobermore products are manufactured in accordance with an accredited ISO 9001:2015 quality. Manufacturing facilities are accredited to ISO14001:2015 Environmental Management. The company publish environmental labels and declarations in accordance with BES 6001.

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Textured Kerb

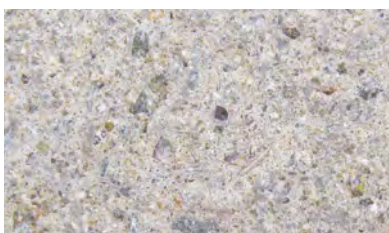


Stock

product	size (mm)	colours available	in stock	no. per pack	weight kg per pack GB	weight kg per pack NI/ROI
Textured Kerb BIM	125 x 255 x 915	Natural	YES	18	1251	1251
Textured Kerb Dropper (specify left or right hand dropper)	125 x 255/150 x 915	Natural	YES	18	924	915
Textured Dropper Centre Kerb	125 x 150 x 915	Natural	YES	36	1512	1512
Textured Kerb Corner External or Internal Corner	125 x 255 x 915	Natural	YES	16	1282	1282
Textured Return End Kerb	125 x 255 x 915	Natural	YES	18	1251	1251

BIM - This product is available to download from our website in BIM Level 2 format.

Natural



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Maintenance Schedule

This maintenance schedule details how and when maintenance work items are to be carried out. In each identified month, the number in the shaded box details the number of times per month when a work item is to be carried out. Where a number "1" is indicated, the maintenance work item must be carried out once a month at the beginning of the month. Where a number "4" is indicated, the maintenance work item must be carried out once per week during the month. Where a number "2" is indicated, the maintenance work item must be carried out once at the beginning of the month, and once halfway through the month. Where "AR" is used, this means items are to be undertaken "as required" within the specified month. Where "D" is used, this means items are to be undertaken or checked daily.

This schedule is for guidance only, and site conditions should be considered when determining the number of visits required. In times of exceptionally warm weather, for example, watering may be required more than once weekly.

Description	Month											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
General												
Cleaning for all hard landscape surfaces: Attend to spillages and other arisings efficiently, adopting current H&S procedures regarding warning signs etc. Any surface contamination caused by spilt liquids (Coca-Cola, tea, coffee) should be removed using a neutral biodegradable detergent and thoroughly rinsed afterwards. Run off cleansing solution to be prevented from entering planted areas/ tree grilles.	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
Chewing gum for all paved areas: Undertake hot pressure washing using the lance as per the paving manufacturer's recommendations.	1	1	1	1	1	1	1	1	1	1	1	1
Fly posting												
Smoke, fire, tobacco stains, for all paving, steps, seating & kerbs: Scrub with a biodegradable detergent and hot water.	1	1	1	1	1	1	1	1	1	1	1	1
Beverage stains												

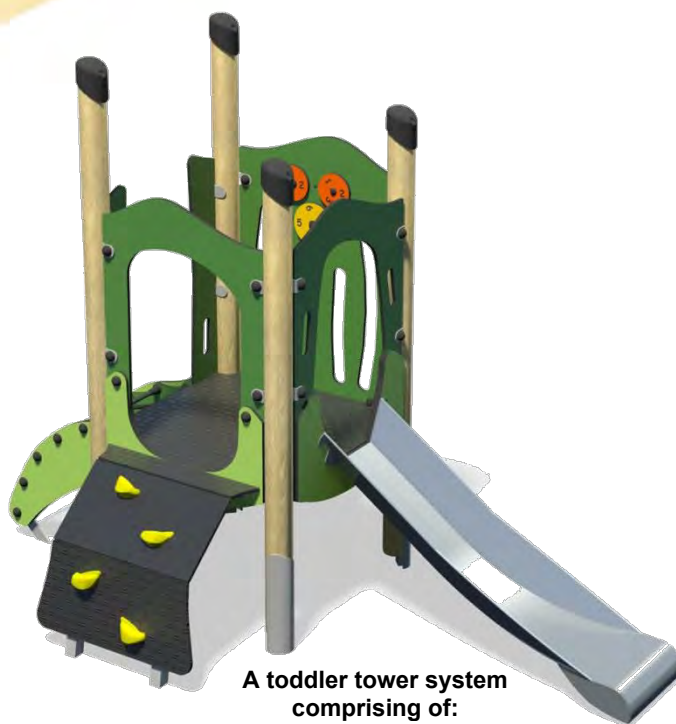
Description	Month											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Paving and kerbs												
Cleaning (avoid run-off entering planting areas/tree grilles)	1	1	1	1	1	1	1	1	1	1	1	1
Cleaning sandstone paving and steps: Using a steam cleaner, all sandstone paving should be cleaned annually. Operations should be carried out in a marked off area, away from public access.	1	1	1	1	1	1	1	1	1	1	1	1
Jet washing for hard landscape surfaces except sandstone. Utilise a rotary floor tool in a uniform manner, slightly overlapping each pass. With a hot water pressure washer, utilise the lance on a low pressure and rinse any loose sand back into the joints to leave paving clean. Once surface is completely dry, top up joints with dry kiln sand as necessary. Cleaning to be undertaken to manufacturer's recommendations.	1	1	1	1	1	1	1	1	1	1	1	1
Non Sodium chloride based de-icer product to be used to avoid pitting of sandstone	AR	AR									AR	AR
All areas of pedestrian and vehicle traffic: 1. Identify & eliminate the sources of staining. 2. Proprietary cleaner containing no acid to be used on sandstone paving elements.	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
Epoxy/polyester stains	1	1	1	1	1	1	1	1	1	1	1	1
Oil stains to be removed from all paving, steps & kerbs: Remove immediately with an absorbent material e.g.. paper towels, cloth or absorbing granules. Do not attempt to wipe the stain as this will drive the oil into the surface of the units and spread it over a wider area. If the stain persists then an emulsifying degreaser should be employed. Brush the cleaner onto the affected area, leave for a period of time according to the manufacturer's instructions and then wash the emulsified oil away with plenty of clean water. Alternatively the surface can be scrubbed with a biodegradable detergent and hot water taking care to ensure that the strength of the detergent is not detrimental to the appearance of the paving.	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
Scuff marks to be removed from all paving, steps & kerbs: Scrub area with detergent and hot water or steam clean.	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
All paving, steps, seating & kerbs: Scrub with a biodegradable detergent and hot water.	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR

Paving and Kerbs Cont...

Description	Month											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Cement/lime stains to be removed from all paving, steps & kerbs: Cement and lime deposits are generally insoluble and therefore require treatment by a suitable acid cleaner to fully remove them. Experiment on a small section of the affected pavement with a weak solution of water mixed with hydrochloric acid.	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
Moss, lichen, algae to be removed from all areas of pedestrian and vehicle traffic: Remove by vigorously brushing the affected area when it is dry. It is necessary to 'sterilise' the area with a strong fungicide/ weed killer or proprietary brands from garden centres. Follow manufacturer's instructions and test their effect on a small area initially.	AR	AR	AR						AR	AR	AR	AR
Leaf fall for all areas: Sweep up all leaf fall. Adjust frequency during to reflect leaf fall at different times of year or in spells of windy or frosty weather.	1	1	1	1	1	1	1	1	1	1	1	1
Weeds for all areas of pedestrian and vehicle traffic: Remove by vigorously brushing the affected area when it is dry. It is necessary to 'sterilise' the area with an appropriate strong weed killer or proprietary brands from garden centres. Follow manufacturer's instructions and test their effect on a small area initially.												
Drainage channels, slot drains, service covers: Inspect monthly and clear or rod as necessary to ensure an unimpeded flow of surface water.	1	1	1	1	1	1	1	1	1	1	1	1
All paving, steps & kerbs: Inspected for any movement or deterioration and defects reported to the management.	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR

Landscape Artefacts

Little Hamlets – Tothill Plus



A toddler tower system comprising of:

- Square Tower (0.55m)
- Slide (0.55m)
- Arched Ramp (0.55m)
- Arched Net (0.55m)
- Adding Wheel Play Panel



Option A-
Light Blue/Yellow



Option B-
Purple/Yellow



Option C-
Green
(Shown)

Code – LTH/OTH/*2

Age

2-5 years

Materials

Laminated Timber

Compact Grade Laminate (CGL)

Galvanised or Painted Mild Steel

Nylon Steel Cored Rope

Stainless Steel Slide

Stainless Steel

Various Plastic Mouldings

Technical Information

Equipment Dimensions

Length / Width / Height 2.3m x 1.2m x 1.9m

Surfacing and Area Required

Recommended Minimum Space
L/W/H 6.0m x 4.8m x 3.0m

Max Gradient of Ground 1 in 50

Free Height of Fall 0.55m

Impact Area 15.78m²

Synthetic Area
(i.e. EPDM / Wetpour / Synthetic Grass etc.) 11.52m²

Loosefill at 150mm
(i.e. Bark / Cushionfall / Sand) 4m³

Grasslok Tiles 19m²

Installation Information

Steel Ground Fixed

Surface Fixed (if different)

Installation Time 2 Person(s) 6 Hour(s)

Overall Weight 130kg

Heaviest Part 11kg

Largest Part 1.3m x 0.4m x 0.2m

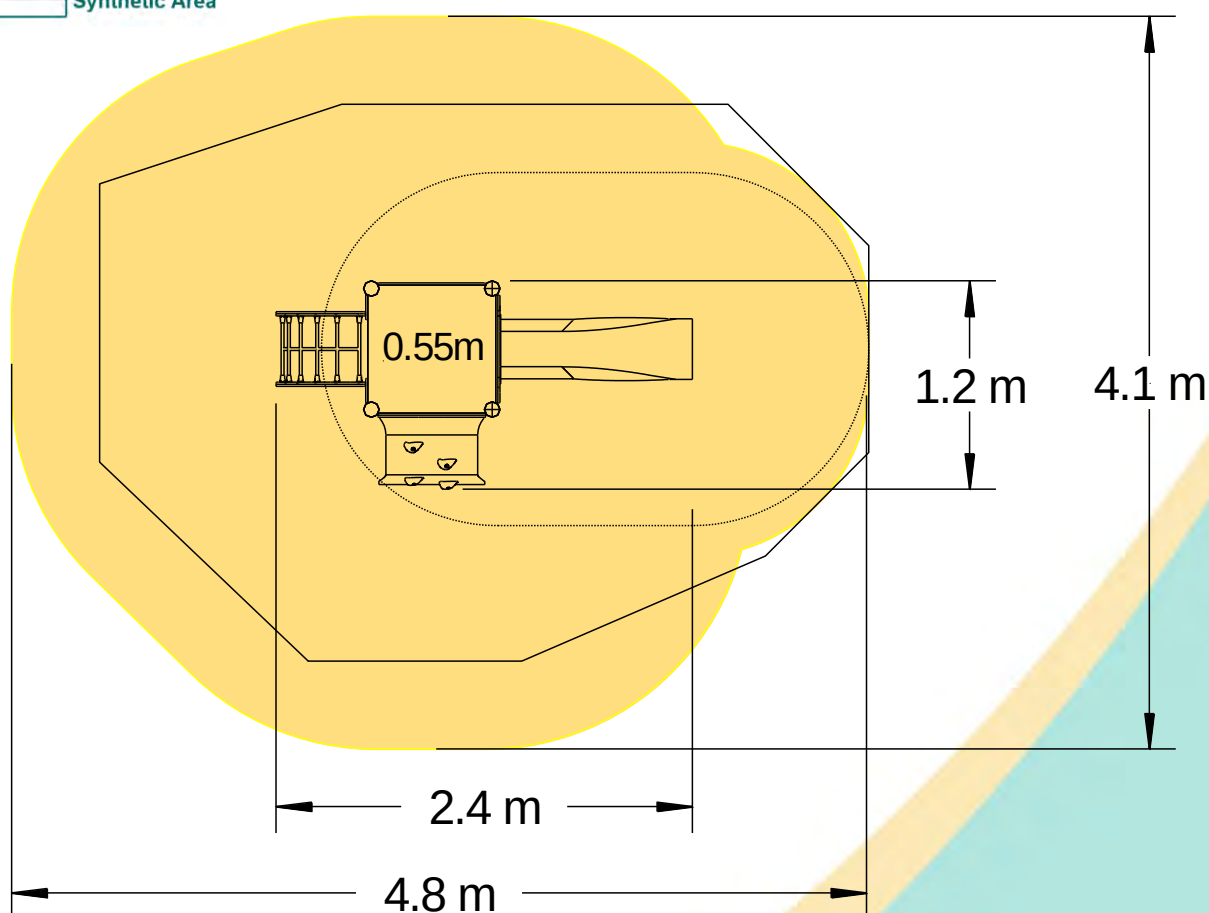
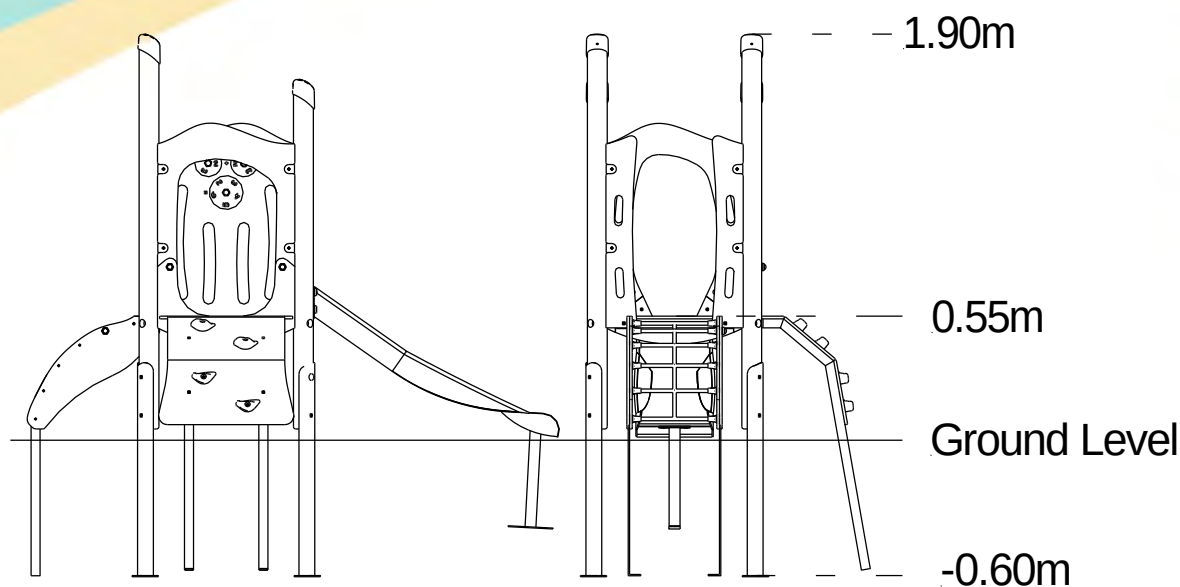
Longest Part 1.3m

Concrete Required 0.5m³

Certified to EN 1176

[Click here for more information & downloads](#)

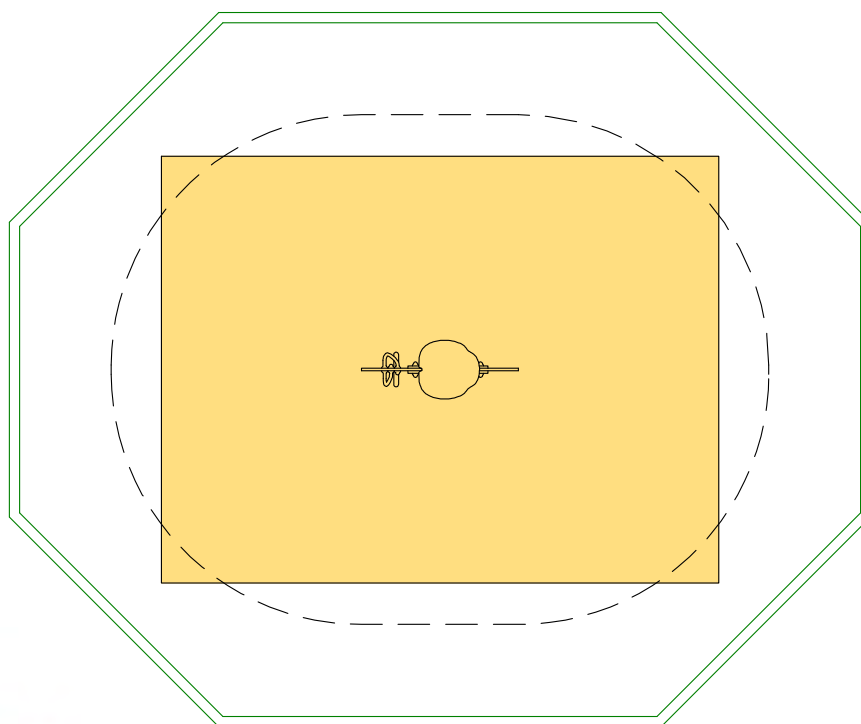
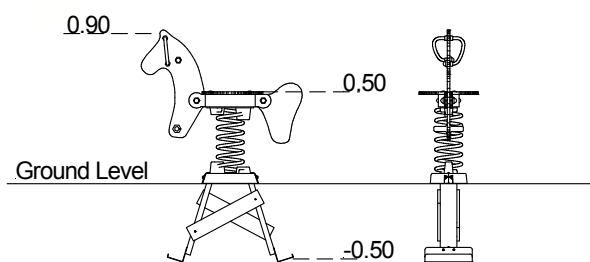




[Click here for more information & downloads](#)



Springers – Spring Horse



Technical Information

Equipment Dimensions

Length / Width / Height	1.0m x 0.4m x 0.9m
Surfacing and Area Required	
Minimum Space Required L/W/H	5.2m x 4.3m x 3.0m
Max Gradient of Ground	1 in 20
Free Height of Fall	0.6m
Impact Area	8.52m ²
Loosefill at 150mm	3m ³
Bark / Cushionfall / Sand	
Grasslok Tiles	11m ²

Installation Information

Overall Weight	27kg
Heaviest Part	17kg
Largest Part	0.6m x 0.49m x 0.24m
Longest Part	n/a
Concrete Required	0.06m ³

TUV CERTIFIED TO BS EN 1176

Arche Granite

Date Created: 22/02/21



Arche Granite -
Flamed



Arche Granite -
Blasted



Arche Granite -
Honed

*It should be noted that colour variations and markings are characteristic of Natural Stone. Inherent variations cannot be controlled nor the precise shade of stone guaranteed.

Marshall's Arche Granite is a hard-wearing, strong and durable granite suitable for both pedestrian and vehicular trafficked areas.

Predominantly light to mid-grey, Arche Granite is available in 3 finish options – blasted, flamed and polished – to match different applications and their needs, whether they call for a smooth aesthetic or superior non-slip properties.

It is available across all product areas including Paving, Setts, Kerbs, Tactile, Steps, Water Management, Bespoke Street furniture, Masonry & Specials – allowing for the creation of unified schemes.

Arche Granite, like all Marshall's Granites, is produced to ISO9001 quality assurance standards and fully tested to the appropriate standards in the UK, as well as being CE marked in accordance with the latest legislation.

DESCRIPTION

Appearance	Grey white background with black inclusions
Manufacturing Process	Sawn
Geological Type	Granite
Quarry of Origin	Villa Real, Portugal
Petrographical Description	Pale grey to white with irregular black grain coarse to very coarse grained Granite
CE Marking/DOP	https://www.marshalls.co.uk/dop

DISTRIKT® BENCH

FSC® HARDWOOD

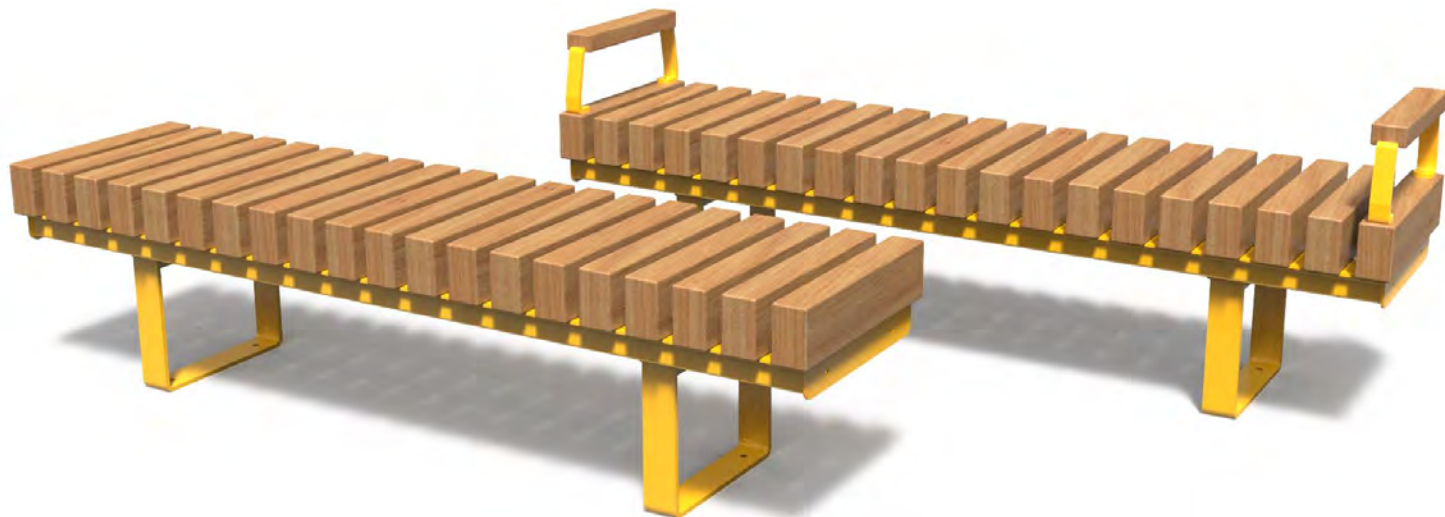
Powder coated in a
variety of colours

Standard modular size

Length – 1970mm

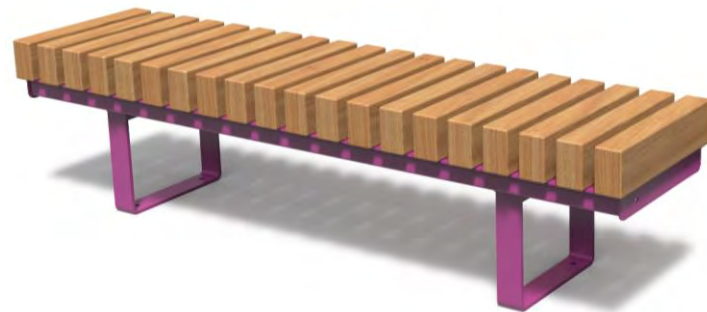
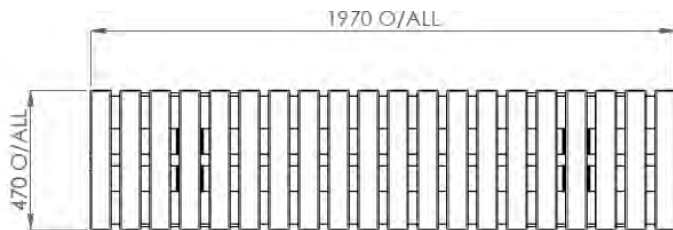
Height – 480mm

Width – 470mm

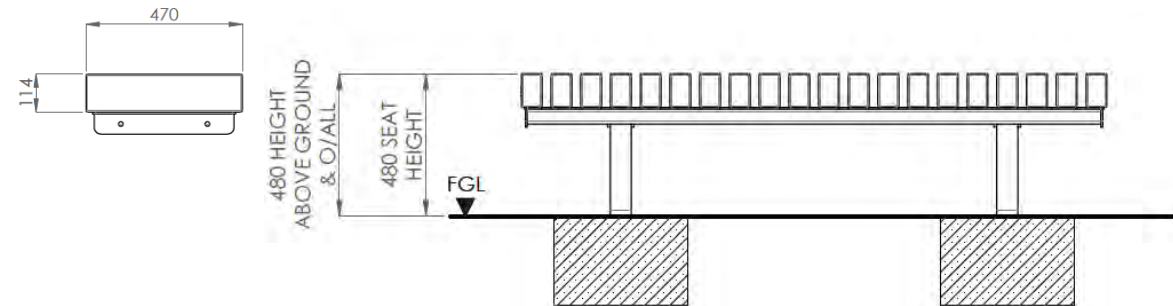


Armrest optional

DISTRIKT® BENCH

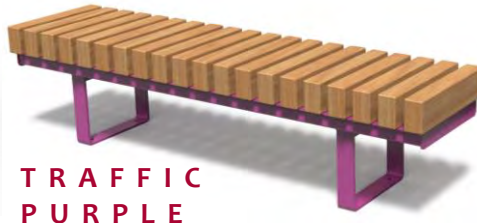
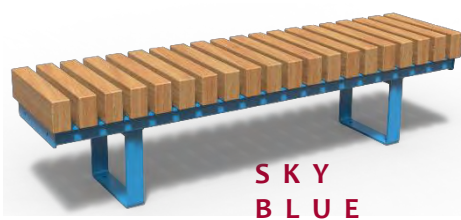
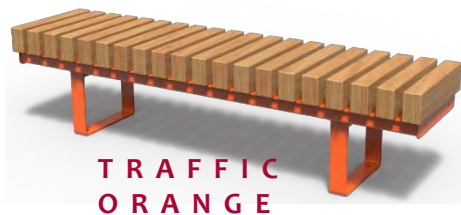


Armrest optional



DISTRIKT® COLOURS

Marshall's Natural Elements Corten Fossil



Other RAL colours are available for powder coating the steel components

TIMBER SEATING

The Pod Point Twin Charger is a dual Type 2-socketed vehicle charger suitable for commercial and public installations. The Twin charger is available for both single & 3 Phase electrical supplies and is compliant with a pay-as-you-go charging system for drivers. Every Twin charger includes and ships with a surface mount foundation plate. Specific models of the Twin Charger are RFID enabled, making them dual authenticating chargers.

Speed category	Fast Charging
Charging speed (s)	3.6kW, 7kW, 11kW & 22kW
Product family	Twin

- 

Dual vehicle charging
- 

Wi-Fi & 3G/4G enabled*
- 

RFID authentication available
- 

Smart Reporting & Pod Point Network enabled
- 

3 Year Warranty



Freestanding Mount attached

Pod Point Twin Charger Model Numbers			
Please note the model number of Twin will determine the exact specs available.			
T3 - 3.6kW Speed (Single Phase)	T7 - 7kW Speed (Single Phase)	T11 -11kW Speed (3 Phase)	T22 - 22kW Speed (3 Phase)
T3-S-6mA -02	T7-S-03-BK-6mA	T11-S-6mA -02	T22-S-03-BK-6mA
T3-S-6mA -02-RO Router	T7-S-03-WH-6mA	-	T22-S-03-WH-6mA
-	T7-S-03-BK-RO-6mA Router	-	T22-S-03-BK-RO-6mA Router
-	T7-S-03-WH-RO-6mA Router	-	T22-S-03-WH-RO-6mA Router
-	T7-S-03-BK-RFID-6mA RFID enable	-	-
-	T7-S-03-BK-RFID-RO-6mA RFID enable + router	-	-
-	T7-S-03-WH-RFID-6mA RFID enable	-	-
-	T7-S-03-WH-RFID-RO-6mA RFID enable + router	-	-

Physical Properties

Height Width Depth	1330mm 241mm 295mm	Standard colours	RAL9005 RAL9003	Socket type	Universal Type 2
Weight	19 kg 22.5 kg-T22	Finish	Anti-graffiti	Socket height	1000mm
Shipping Height Width Depth	1480mm 340mm 370mm	Operating temperature	-25°C to 50°C	Enclosure rating	IP54 Mennekes socket
Shipping Weight	24kg 30kg - T22	Operating humidity	95%		

(*3G/4G on RO models only)

RFID Authentication

Applies to specific RFID models only

RFID Card Technology	NTAG
Height Width Depth	1330mm 241mm 295mm
Weight	19.3 kg 22.8 kg-T22
Shipping Height Width Depth	1480mm 340mm 370mm
Shipping Weight	24.3kg 30.3kg - T22

Maintenance Schedule

This maintenance schedule details how and when maintenance work items are to be carried out. In each identified month, the number in the shaded box details the number of times per month when a work item is to be carried out. Where a number "1" is indicated, the maintenance work item must be carried out once a month at the beginning of the month. Where a number "4" is indicated, the maintenance work item must be carried out once per week during the month. Where a number "2" is indicated, the maintenance work item must be carried out once at the beginning of the month, and once halfway through the month. Where "AR" is used, this means items are to be undertaken "as required" within the specified month. Where "D" is used, this means items are to be undertaken or checked daily.

This schedule is for guidance only, and site conditions should be considered when determining the number of visits required. In times of exceptionally warm weather, for example, watering may be required more than once weekly.

Description	Month											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
General site furniture												
Lighting columns: Inspect monthly and repair as necessary. Ensure tensile wires supporting catenary lighting are secure and taught, to fabricator's specification.	1	1	1	1	1	1	1	1	1	1	1	1
Cycle stands & bollards: Inspect monthly. Replace and repair and clean as necessary. Refer to manufacturers guidance	1	1	1	1	1	1	1	1	1	1	1	1
Seating												
General: Check for damage to timber slats, including any splinters or loose fixings. Tighten fixings as required. Replace any damaged fixings like for like. Splintered wood to be sanded down and removed. If damage is significant, timber slats to be removed. Stained timber slats to be cleaned with detergent and hot water. If this fails, timber slat to be sanded down to remove stain, or replaced altogether. Consult management for instructions.	1	1	1	1	1	1	1	1	1	1	1	1
Damage: Inspected for any deterioration and defects reported to the management	1	1	1	1	1	1	1	1	1	1	1	1
Graffiti removal as required. Refer to Landscape Management Plan for details.	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR

Soft Landscaping

Landscape Management Plan

Design Intent

The landscape at Frankum Mews is designed to create space for people to relax and spend time outdoors and to create an attractive setting for the building.

Areas of hard landscape are intended to provide pedestrian circulation for building users and passers by, while street furniture has been designed to be robust and to accommodate high levels of use.

Tree and ornamental planting to the building edges break up the hard landscape, and should provide a green outlook from the building and contrast from the hard landscaping of the mews.

Notes & Conditions

The objectives of the management plan are summarised as;

- Ensuring the health of the planting and existing trees for amenity and ecological benefit
- Maintaining a clean, safe, attractive environment

General Conditions

At the time of tendering, maintenance contractors are to provide details of proposed materials/cleaning products. Products to be chosen based on minimum level of environmental impact.

Maintenance contractors are to provide a method statement before commencement of any maintenance operations.

Use only machines and tools suitable for the site conditions and the work to be carried out. Use hand tools around trees, plants and in confined spaces where it is impracticable to use machinery.

Good Practice

Where products are not fully specified they are to be suitable for the purposes of the works stated and in accordance with good horticultural practice, including the relevant provisions of current British Standard documents.

Maintenance standards should at all times reflect the development's high quality status and position in the city.

Health & Safety

Chemicals

The Maintenance Contractor must comply with The Control of Pesticides Regulations 1986' made under the 'Food and the Environment Protection Act 1985', 'The Control of Substances Hazardous to Health Regulations 1988' made under the 'Health and Safety at Work Act 1974' and any other legislation enacted during the contract period.

The Maintenance Contractor must comply with all relevant Codes of Practice issued by DeFRA. In particular where work is near water, comply with the Code of Practice for the Use of Herbicides on Weeds in Watercourses and Lakes'. Written approval from the Environment Agency should be obtained prior to the use of pesticides within these areas.

A recognised nominated storekeeper's certificate of competence (BASIS) is required by a Contractor storing more than 200 litres of pesticides.

The Maintenance Contractor shall dispose of waste pesticides and containers in accordance with the Control of Pesticides Regulations 1986, Control of Pollution Act 1974', and 'Water Act 1989'. Safe disposal arrangements shall be made before starting to apply pesticides.

Concentrated pesticides shall be disposed of in arrangement with the local Environmental Health Department or with a specialist waste disposal contractor.

The Maintenance Contractor shall be responsible for making good and or compensation for any damage resulting from negligence in the application, handling and storage of pesticides.

The Maintenance Contractor shall be responsible for keeping up to date with all legislation and regulations regarding the use of pesticides.

The Maintenance Contractor shall inform Bradford City Council of any subsequent changes to legislation and regulations that affect the contract.

In general the following precautions should be taken:

Prior to maintenance/cleaning being undertaken a site specific risk assessment is to be carried out.

Prior to any chemicals being used a COSHH assessment is to be undertaken

When using chemicals, protective clothing such as gloves, goggles, boots and overalls should be worn.

Adequate ventilation is required when using chemicals in confined spaces.

When using flammable materials i.e. cigarettes, naked flames and other sources of ignition should be carefully controlled.

When diluting acids, ALWAYS add acid to water and not water to acid.

Any clothing that is contaminated with chemicals should be disposed of safely.

When using any chemicals, care must be taken not to damage, contaminate or stain any adjoining materials, landscaping or finishes.

Care must be taken to protect personnel operating in the area of the cleaning from any injury or hazard created by the cleaning. The appropriate First Aid must be available on-site.

All operatives should be properly trained / supervised / and hold up to date certificates where necessary.

Before undertaking any cleaning operation a trial should be carried out on a small, preferably inconspicuous area, to determine the effect of the chemicals before treating a large area.

Health & Safety Cont...

Acid Washing

Stubborn and persistent stains that will not generally weather away naturally will require the application of a specific acid cleaning treatment to remove them.

Prior to any acid cleaner being applied, the surface must be thoroughly wetted with clean water to prevent the acid being absorbed directly into the paving. A dilution of 7 to 10% of hydrochloric acid should then be prepared and applied to the affected area.

As the staining begins to dissolve, some frothing may be apparent, which should be followed by agitation of the surface using a stiff bristle brush to completely remove all trace of the stain.

Once this process is complete the whole surface should be rinsed thoroughly with clean water, taking care to dispose of the run off safely. In the vast majority of cases, one treatment will be sufficient; however, in some cases re-treatment may be required.

When using any form of chemical treatment the following guidelines should be strictly adhered to:

With deeper stains, the degree of acid treatment may result in an acid etched appearance.

Protective clothing (gloves, boots, goggles etc.) should be worn at all times when using chemicals and the appropriate first aid measures must be available on-site.

Take care to ensure that surrounding materials and landscape are protected.

Soft landscape and exposed metals can be severely affected by chemical treatments.

It is better to treat several times with the correct dilution than to use concentrated acid, which may damage the surface of the unit.

Extreme care must be taken when using chemical cleaners on wet cast concrete products as these are less resistant to such treatments. Please refer to the manufacturer for other cleaning solutions.

When diluting acids, always add acid to water and not water to acid.

Keep the general public out of any work area.

Tree Management

General Notes

The Contractor shall maintain all tree stock in accordance with the specification set out below.

- All works should be in accordance with BS:3998 and Forestry and Arboricultural Training and Safety Council Safety Guides. All operatives undertaking chainsaw work must hold appropriate certification and should be approved members of the Arboricultural Association.
- When cutting, cut at fork or at the main stem to avoid stumps wherever possible.
- Large branches — remove only if unavoidable. Remove in small sections and lower to the ground with ropes and slings.
- Dead branches and stubs— when removing do not cut into live wood.
- Unsafe branches — remove epicormic shoots and potentially weak forks that could fail in adverse weather conditions.
- Disease of fungus — give notice if detected. Do not apply fungicide or sealant unless instructed.
- Bark Damage — wounds — do not attempt to stop sap bleeding. Gently remove ragged edges and remove splintered wood from deep wounds as small as possible. Give notice if there is any liquid or flux oozing from apparently healthy bark.
- Cavities in Trees — Cavities should be investigated. If bats are found present in the cavities, no further investigative work is to be carried out until a suitable trained ecologist has visited the site to investigate further and to agree a course of action with Natural England. Rubbish and rotten wood should be removed, subject to the above. The cavity should be probed to find the extent of any decay, and give notice. The cavities should not be covered.

Tree Management Cont...

Crown Lifting

Removing branches: remove whole branches back to the stem, or cut lower portions of branches back to lateral or sublateral buds or branches. Do not leave stumps.

In general for clearance remove branch systems to give clearances as follows:

- 2.5m above pathways,
- 3m above vehicle carriageways.

Crown Thinning

When removing branches, remove inward growing, crossing, rubbing, dead and damaged branches. When thinning selectively remove an agreed percentage of secondary and small live branch growth evenly throughout the crown. When cutting make no cuts of more than 50mm diameter.

Cut portions of branches back to lateral or sub lateral buds or branches without leaving stumps. The appearance should be uniform with a well balanced structure of branches and foliage.

Watering

Care should be taken to ensure all trees are watered sufficiently to encourage establishment and healthy growth, using relevant guidance.

General Stipulations

Failures of planting

Any trees/shrubs/plants that have died or failed to thrive (not developing full foliage throughout all branches) within the period of this maintenance plan should be replaced. Years 1 – 3 replacements must match the size of adjacent or nearby plants of the same species or should match the original specification, whichever is the greater. Years 4 – 10 replacements to be as original specification.

Watering

The contractor shall make due allowance in his rates for carrying out these tasks outside normal working hours when necessary to avoid premature evaporation or leaf damage caused through watering in bright sunlight.

The contractor is to allow for the provision of water, water carts or hoses with a fine hose attachment or sprinklers at normal mains pressure. The contractor is to include and state in his tender the cost of compliance with this clause so that the cost of visits can be deducted in whole or in part if not required to be used.

Drought Conditions

Should emergency legislation restricting the use of water during drought conditions be imposed, the contractor will be required to ascertain - before operations - the availability and cost of, and arrange to collect and apply second class water by bowser or other means from an approved sewage works, deliver to site and apply as specified. When required by the Architect, the contractor shall arrange for tests of this water to be carried out in accordance with BS 6068:2000 Water Quality.

Pests and Diseases

Maintenance shall include the control of insects, fungus and disease by spraying with an approved insecticide or fungicide.

General Stipulations Cont...

Litter Collection

The contractor shall at all times keep the site clean, tidy and free from litter and carry out a litter collection at each maintenance visit.

'Fly tipping': large items such as discarded furniture that require two or more people to lift or are in excess of 0.5m³ will be treated as fly tipping and not litter. The contractor should provide a cost for removal and depositing for fly tipping on each and every occasion.

Cleanliness

At completion and at each visit, remove soil and other debris from all hard surfaces and grassed areas and leave the works in a clean and tidy condition.

Leaf Clearance:

The contractor is responsible for the clearance of leaves, twigs, etc. from all areas of the grounds including planting beds, lawns, paths, channels, drains, car park steps and other areas specified by the Client, from leaf fall (normally October until end December). The Client will instruct the contractor when to begin.

The clearance shall be carried out with hand raking or sweeping, or using machinery appropriate and approved by the Client.

All collected leaves to be removed from site and should not be left in piles awaiting removal but cleared immediately. Leaves should not be left on ground for more than a week. The contractor shall schedule operations to achieve this standard.

Clear Snow and Supply and Apply Rock Salt

The Client may at times of inclement weather require the Contractor to clear snow and ice and apply approved rock salt, evenly spread at 20 grammes per square metre, to specified areas within the Contract area.

The Contractor shall take care to avoid spreading rock salt near and around trees, shrubs, turf and other plant material. Any damage caused by the Contractor's negligence shall be fully reinstated at the Contractor's expense to the Client's satisfaction.

The Contractor may be required to undertake these operations during normal working hours, outside normal working hours; at weekends and during Bank Holidays.

Maintenance Schedule

This maintenance schedule details how and when maintenance work items are to be carried out. In each identified month, the number in the shaded box details the number of times per month when a work item is to be carried out. Where a number "1" is indicated, the maintenance work item must be carried out once a month at the beginning of the month. Where a number "4" is indicated, the maintenance work item must be carried out once per week during the month. Where a number "2" is indicated, the maintenance work item must be carried out once at the beginning of the month, and once halfway through the month. Where "AR" is used, this means items are to be undertaken "as required" within the specified month. Where "D" is used, this means items are to be undertaken or checked daily.

This schedule is for guidance only, and site conditions should be considered when determining the number of visits required. In times of exceptionally warm weather, for example, watering may be required more than once weekly.

Description	Month											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
All Landscape areas												
All areas: sweep up leaf fall. Adjust frequency to reflect seasonal quantity of leaf fall, or in spells of windy or frosty weather.	AR	AR	AR	AR						AR	AR	AR
All areas: remove litter from paved and planted areas. the operator will be responsible for general litter clearance.	As required											
All areas: Check the site for fly tipping and depending on size of items, bag and remove or arrange for removal to skip. Target must be removed within 24 hours.	As required											
All areas: Check for and remove graffiti from around the site. Fresh wet paint should be soaked up with an absorbent material without wiping the paint, as this will spread the stain. It should then be treated with a suitable solvent such as white spirit and then the area washed with a de-greasing agent, taking care in the disposal of the run-off material. Dried paint should be scraped off as far as possible without damaging the surface, and then an appropriate paint remover applied. Alternatively, consult a specialist company should the affected area be large or as a result of vandalism.	As required											
All areas: Remove chewing gum. Newly discarded gum to be scraped off or jet washed, hardened gum to be removed by both freezing the gum and chiselling it from the surface of the paving or utilising a hot water/steam cleaner.	As required											

Description	Month											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
All trees												
Check for general health in line with good horticultural practice. Any signs of disease or decreasing health to be reported to site management.	1	1	1	1	1	1	1	1	1	1	1	1
Cut back broken, diseased or dying branches.											1	
Top up mulch to base of trees in soft areas. Mulch depth of 75mm to be maintained.			1									
Check branches for litter, especially after strong winds, and remove.	1	1	1	1	1	1	1	1	1	1	1	1
All shoots or suckers emanating from roots or the root stock and all epicormic shoots arising from dormant or adventitious buds growing from the trunk should also be removed.									1			
Additional work to newly planted trees (Years 1-5)												
Prune trees to maintain a desirable shape in the first three years after planting.											1	
Check stakes and ties monthly (assume they will need adjusting at least twice annually.) Any broken or damaged stakes will be replaced and ties re-fixed at a slightly lower position, allowing for growth since planting. Remove stakes at year 5.			1						1			
Water trees during summer months as necessary, in accordance with BS 8545 2014 Trees: from nursery to independence in the landscape. This is dependent on weather conditions, and the frequency may increase during spells of hot weather or drought. Where tree irrigation system exists, fill reservoir.			As required									
Rebalance and realign trees that have moved with wind or bad weather. Tree anchor systems to be tightened on affected trees as necessary to ensure trees are stable and upright.	As required											
Ornamental planting												
Check for general health in line with good horticultural practice. Any signs of disease or decreasing health to be reported to site management.	1	1	1	1	1	1	1	1	1	1	1	1
Water as required to ensure good establishment and health of planting.			4	4	4	4	4	4	4	4		
Watering (thereafter)			2	2	2	2	2	2	2	2		
Apply general fertiliser once a year to manufacturer's recommendations.				1								

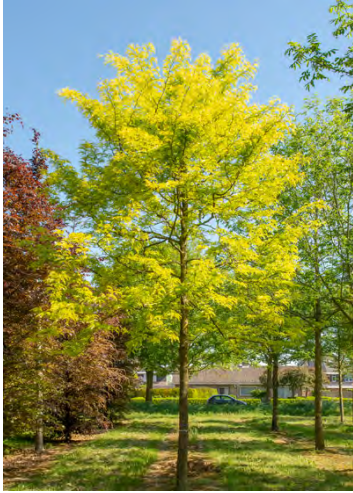
Ornamental Planting Cont...

Weeding - years 1-2: • Hand weed • Remove arisings from site. • Spot application of herbicide (Glyphosate) to manufacturer's recommended dosage If mulching schedule is adhered to, there should be little demand for weeding or watering after establishment. The Contractor shall maintain all hard landscape surfaces weed-free and at no time shall weed growth exceed 5% of any area.					1							
Weeding - Years 3+: • Handweed • Spot application of herbicide (Glyphosate) to manufacturer's recommended dosage.					1							
Shrub maintenance for lifetime of project: • Cut back broken/diseased branches • Cut back spent stems. Remove arisings from site. Ensure stems are not cut back before the winter months. • Check for general health • Trim and prune to maintain neat clipped form					1							
Perennials and grasses to have dead stems cut back to ground level to tidy plants before start of growth For lifetime of project: • Cut back broken/diseased branches Ensure stems are not cut back before the winter months. • Check for general health • Trim and prune to maintain neat clipped form of specified height • Split plants as per good horticultural practice once every 3 years. Lift, divide and replant plants			1									

Description	Month											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Shrub planting												
Check for general health in line with good horticultural practice. Any signs of disease or decreasing health to be reported to site management.	1	1	1	1	1	1	1	1	1	1	1	1
Years 1-2: Water as required to ensure good establishment of hedges.	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
Top up mulch to planting areas. Leave surrounding area free of mulch particles. Mulch depth of 50mm to be maintained.					1							
Cut to maintain a height of 1m. It is the responsibility of the maintenance contractor to ensure that no nests are disturbed, as required by the Wildlife and Countryside Act 1981.			1					1				
Years 1-2: - Hand weed - Remove arisings from site. - Spot application of herbicide (Glyphosate) to manufacturer's recommended dosage If mulching schedule is adhered to, there should be little demand for weeding or watering after establishment. The Contractor shall maintain all hard landscape surfaces weed-free and at no time shall weed growth exceed 5% of any area.				1		1		1				
Years 3+: - Handweed - Spot application of herbicide (Glyphosate) to manufacturer's recommended dosage.				1								
Hedge planting												
Check for general health in line with good horticultural practice. Any signs of disease or decreasing health to be reported to site management.	1	1	1	1	1	1	1	1	1	1	1	1
Years 1-2: Water as required to ensure good establishment of hedges.												
Water planting areas during prolonged dry weather to achieve saturation of the soil. The Maintenance Contractor shall provide all equipment necessary and shall be responsible for arranging supplies of water. Care should be taken that no soil erosion or plant damage occurs as a result of irrigation.			4	4	4	4	4	4	4	4		
Cut to maintain a height of 1.2m. It is the responsibility of the maintenance contractor to ensure that no nests are disturbed, as required by the Wildlife and Countryside Act 1981.								1				

Gleditsia triacanthos 'Sunburst'

Golden honey locust, Yellow honey locust



Gleditsia triacanthos 'Sunburst' (Golden honey locust) was patented as a thornless cultivar by Cole Nurseries in Painesville, Ohio, USA in 1954 and marketed in 1958. It is a fast grower, with a mature height of 8 to 12 metres and a width of 4 to 8 metres. As a multi-stem, the 'Sunburst' is very elegant with its beautiful, rugged stems and fresh, yellow-green foliage. It has a rugged oval and beautifully transparent crown.

In mid-April, *Gleditsia triacanthos* 'Sunburst' buds clear yellow leaves. Discreet, cream-coloured flowers appear in June. The leaves are oval, lanceolate and pinnate, and turn a fresh shade of yellow-green in summer. In autumn, the Golden honey locust displays a lovely golden yellow autumn colour. The long, black legumes that hang from the tree in autumn are very characteristic, though they are few. The bark is light grey-brown with deep furrows at an older age.

Dryness, air pollution, salt spray and brief floods are well tolerated by the *Gleditsia triacanthos* 'Sunburst'. The yellow-leaved cultivar can be widely used on streets and lanes, but is also used a lot on squares and in parks. And in large gardens, it is a real eye-catcher, that does not produce heavy shade with its transparent crown. With a nectar value and pollen value of 5, this species is a fantastic bee tree. *Gleditsia triacanthos* 'Sunburst' thrives in a sunny environment, somewhat sheltered from wind, in both dry and moist soil, with a neutral to acidic pH value.

SEASONAL COLOURS



TYPES OF PLANTING

Tree types: standard trees, multi-stemmed trees, characteristic trees | **Topiary on stem:** roof-trained, pollard, multi-stem umbrella, pleached

USE

Location: street, avenue, square, car park / parking lot, park, central reservation, large garden, cemetery, traffic areas, industrial zones, bioswale | **Pavement:** none, open, sealed | **Planting concepts:** Eco planting, Prairie planting

CHARACTERISTICS

Crown shape: ovoid | **Crown structure:** open | **Height:** 8 - 12 m | **Width:** 4 - 8 m | **Winter hardiness zone:** 5A - 8B

ASPECTS

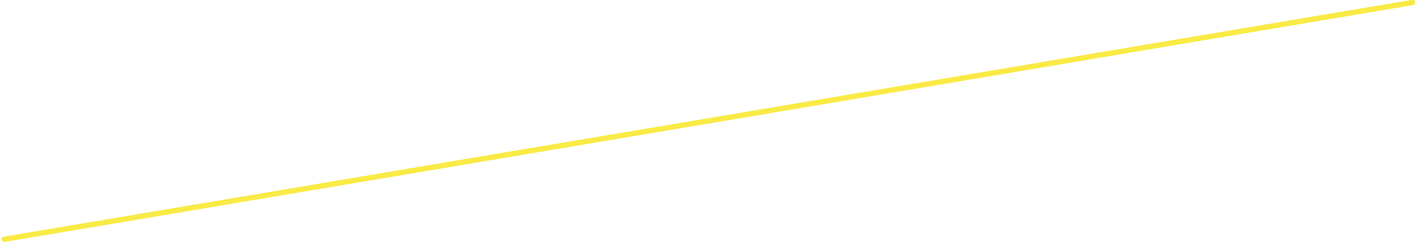
Wind: slightly tolerant to wind | **Soil:** loess, sabulous clay, light clay, sand, loamy soil | **Nutrient level:** moderately rich in nutrients, rich in nutrients | **Soil moisture level:** dry, moist | **Light requirements:** sun | **pH range:** acidic, neutral, alkaline | **Host plant/forage plant:** bees, nectar value 5, pollen value 5 | **Extreme environments:** tolerant to salt spray, tolerant to dryness, tolerates air pollution, tolerant to short-term flooding

PLANTKENMERKEN

Flowers: raceme, discrete, pendulous, scented | **Flower colour:** cream-yellow | **Flowering period:** June - July | **Leaf colour:** buds yellow, yellow-green | **Leaves:** deciduous, ovoid, lanceolate, pinnate, Nitrogen fixing | **Autumn colour:** golden yellow | **Fruits:** rarely fruits, pod | **Fruit colour:** black | **Bark colour:** grey-brown | **Bark:** smooth, later on rough | **Twig colour:** yellow-green | **Twigs:** thornless, striped, zigzagging | **Root system:** deep, highly branched, fleshy roots

Appendix 2

Drawings

A thin yellow diagonal line that starts from the left side of the page and extends towards the right, positioned below the title and above the list.

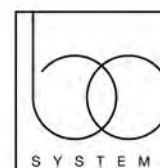
- Balconies & Balustrades
- Cycle Storage
- Landscape Drawings

Balconies & Balustrades

1. HANDRAIL MATERIAL: PPC ALUMINIUM.
2. POST MATERIAL: PPC ALUMINIUM.
3. FASCIA PLATE: PPC ALUMINIUM.
4. FINISH: ALL ALUMINIUM TO BE PPC FINISH.
5. RAL COLOUR: RAL TO CLIENT SPECIFICATION.
6. DESIGN LOADING: 0.74KN DESIGN LOADING.

1. HORIZONTAL UNIFORMLY DISTRIBUTED LINE LOAD (KN/m): 0.74 KN/m.
2. UNIFORMLY DISTRIBUTED LOAD APPLIED TO THE INFILL (KN/m²): 1.0 KN/m².
3. A POINT LOAD APPLIED TO PART OF THE INFILL (KN): 0.5 KN.

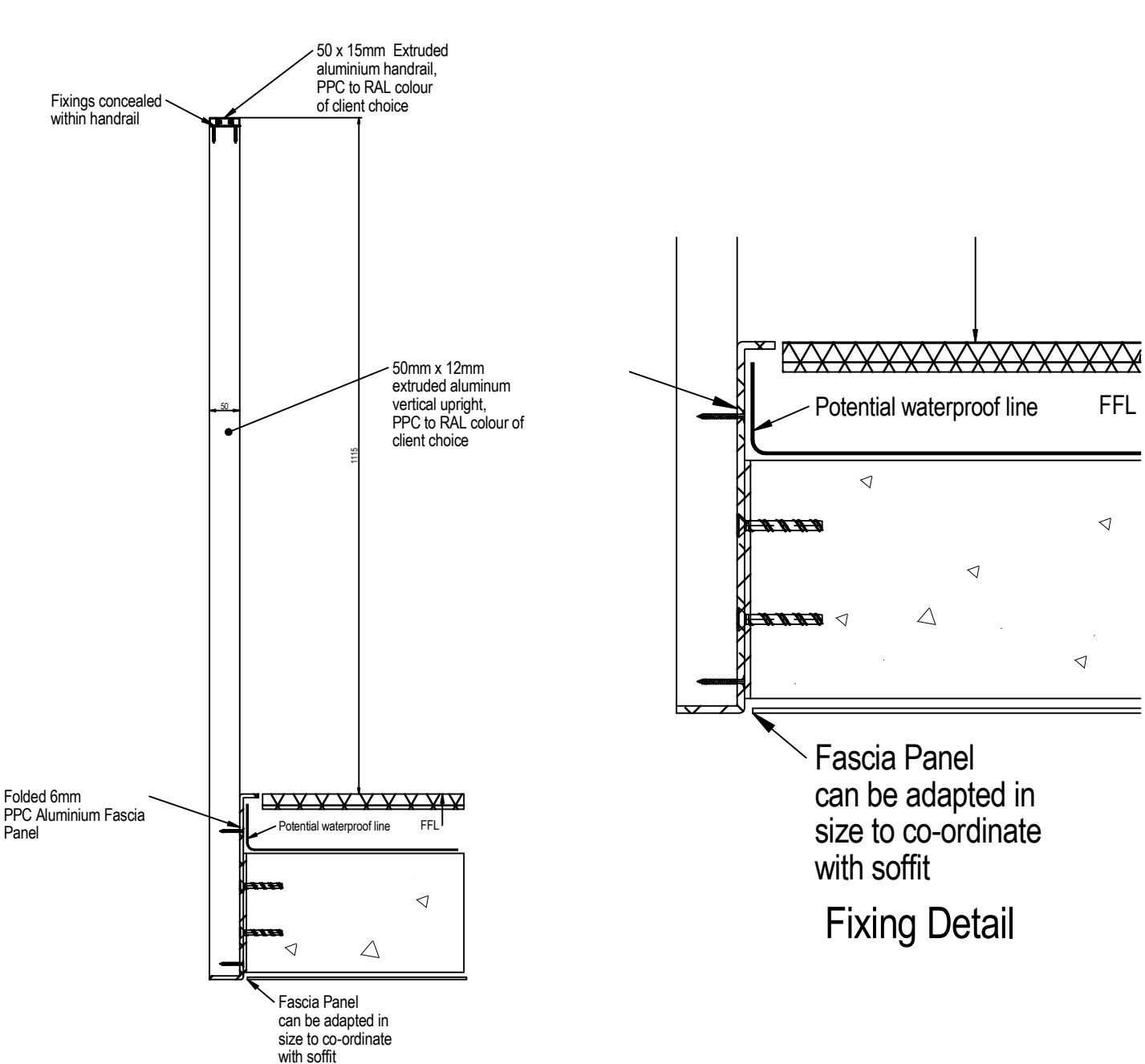


B	Decking updated.	31/07/2019
A	Issued for information	24/04/2019
REV.	DESCRIPTION	DATE
REVISIONS		
B A Systems 22 Bidwell Road Norwich NR13 6PT tel 01603 722330 fax 01603 722777 web www.basystems.co.uk		 Brass Age
Project B50 Concrete Balcony		
Client		
Drawing Title B50 Concrete Balcony		
Drawing No. B50-001		Revision B
Scale: 1:15	Sheet No	
Drawn: GH	Checked:	Approved: Date: 24/04/2019

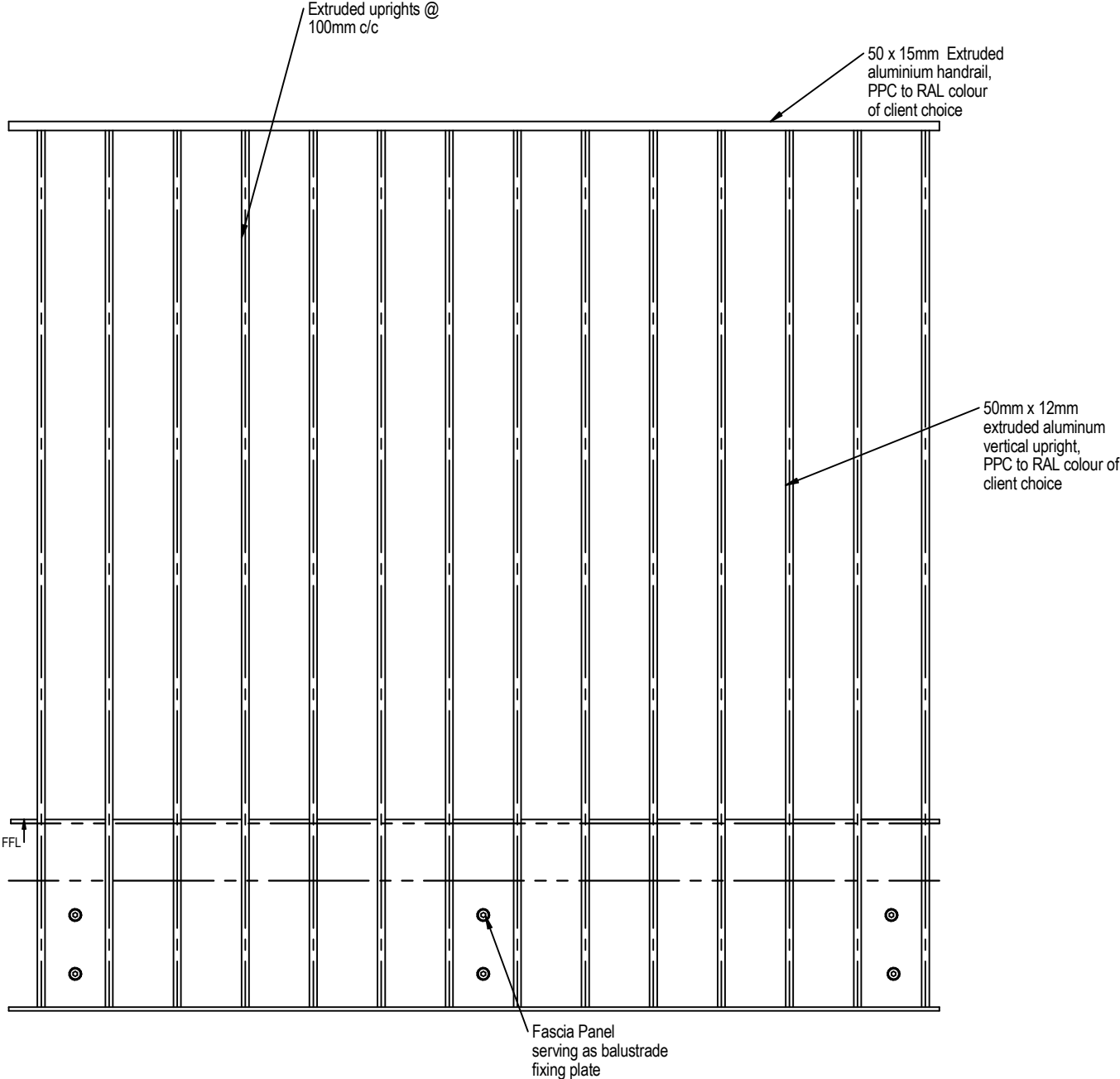
This drawing is the property of Brass Age, and should not be copied or reproduced without Brass Age's consent.

B50 Balustrade System - Side Fixed Option

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED



Side Fix - Section View

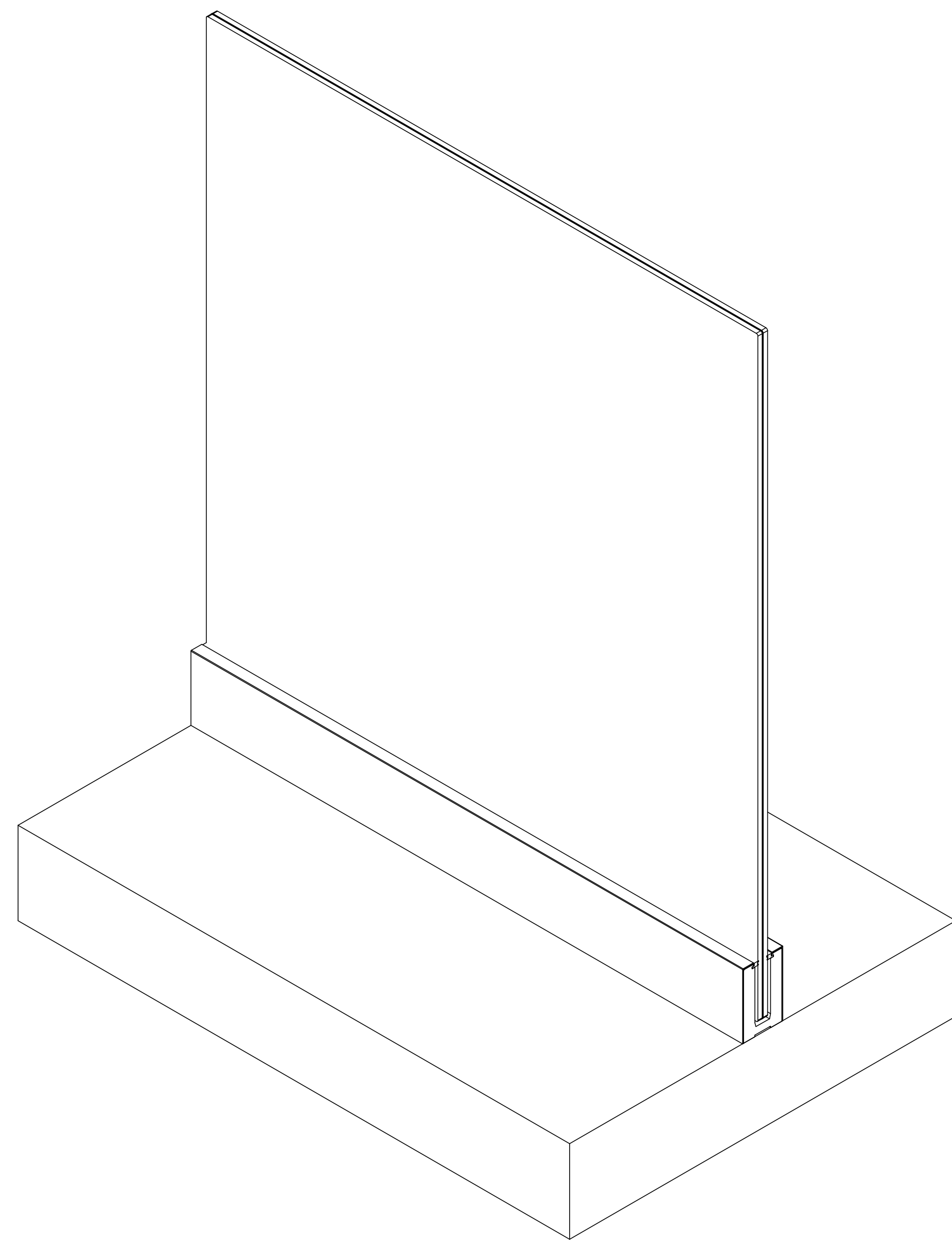
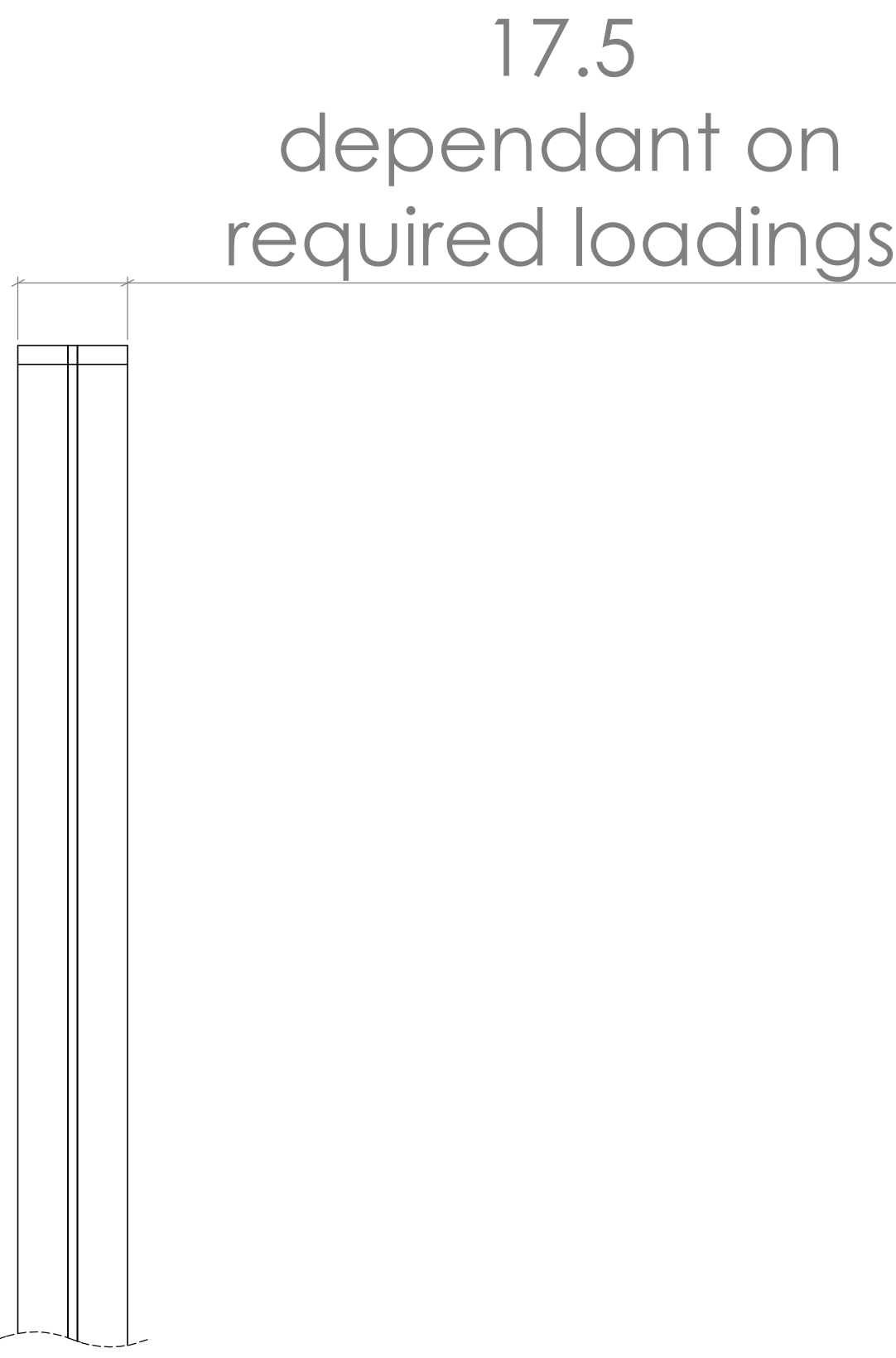


Side Fix - ElevationView

Notes:

- B50 Proprietary aluminum balustrade system
- 50mm x 12mm vertical aluminum uprights
- 50mm x 12mm extruded aluminium handrail and base rail
- Fully concealed fixings with no visible welds
- All finished to a RAL colour of client choice

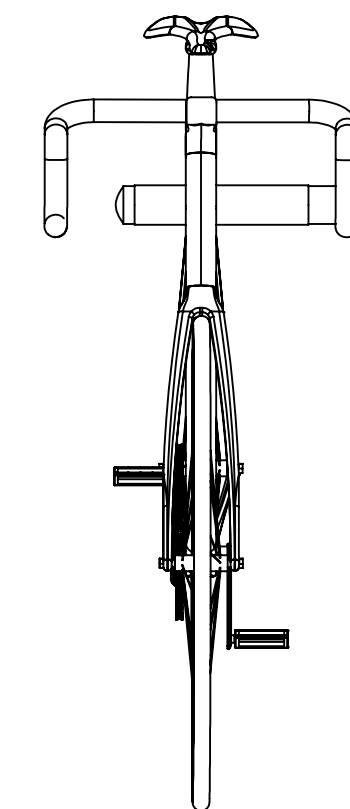
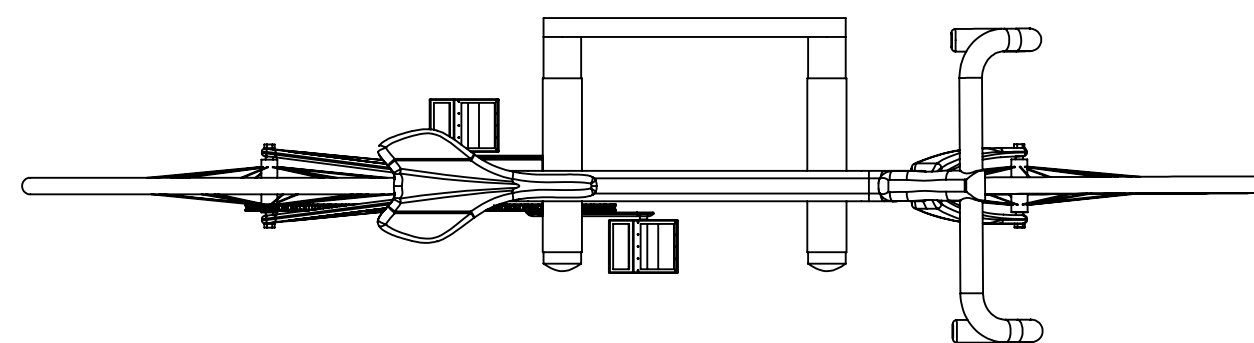
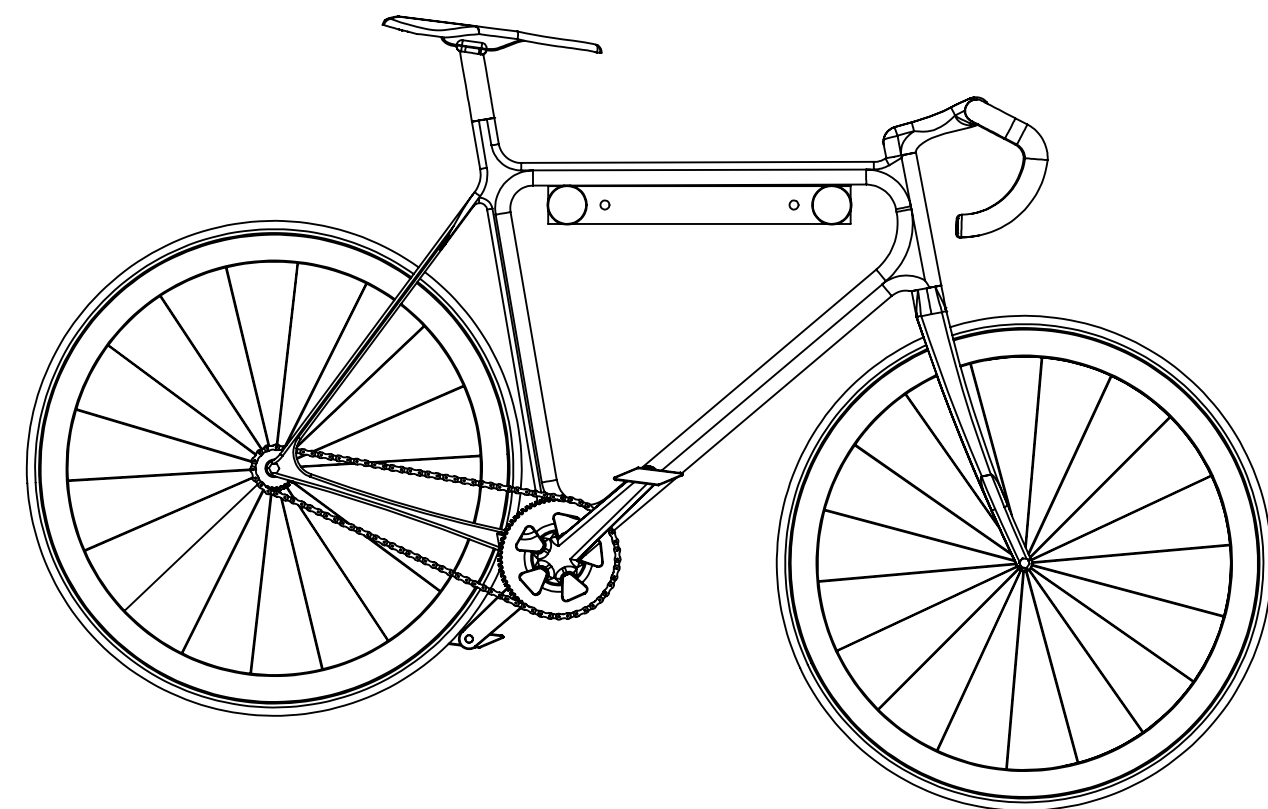
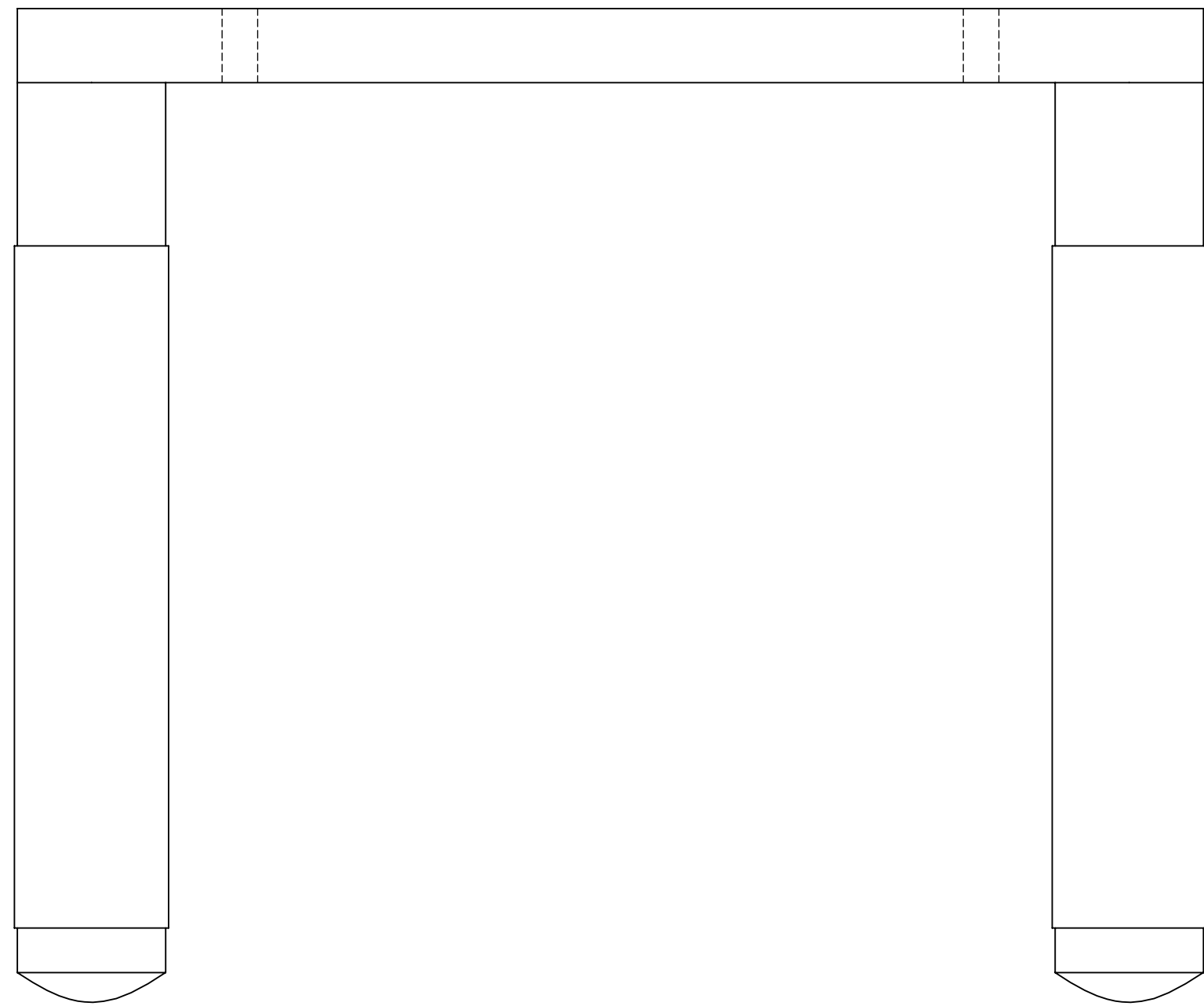
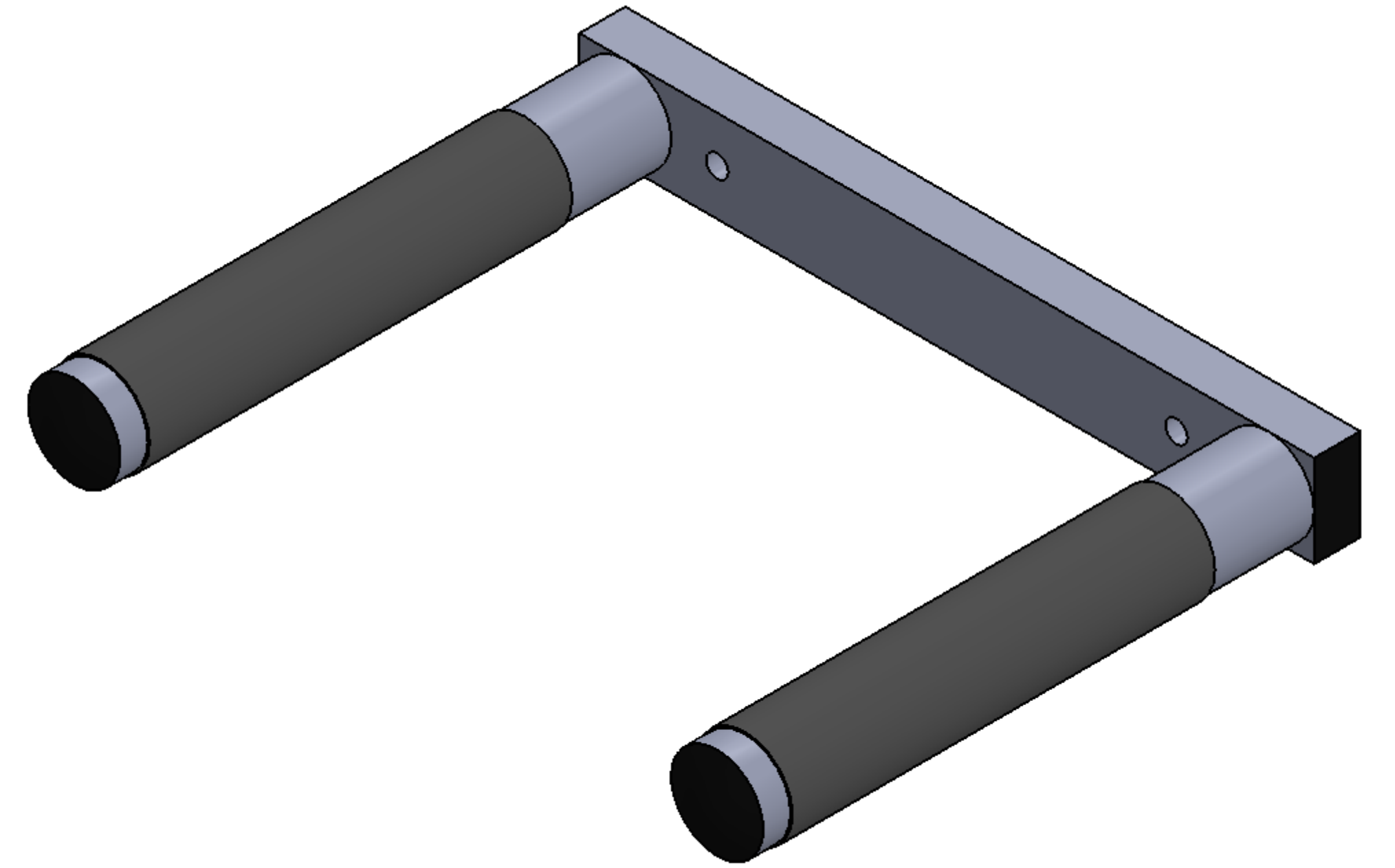
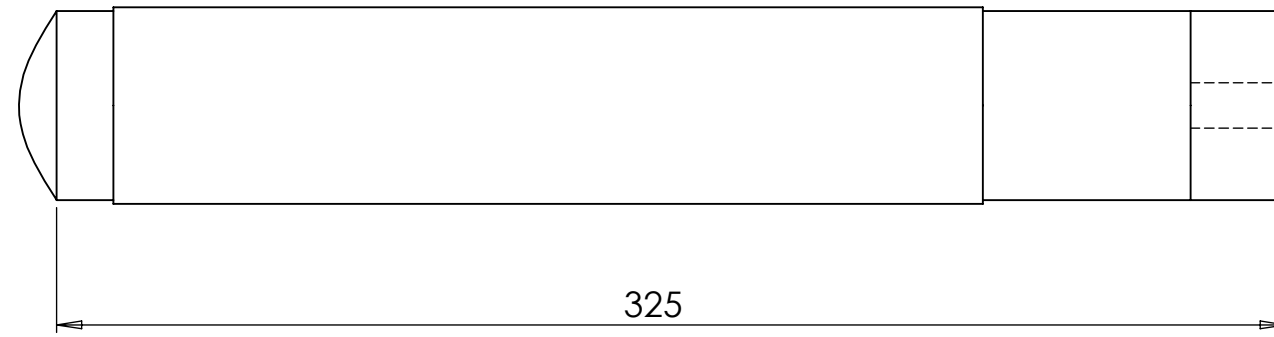
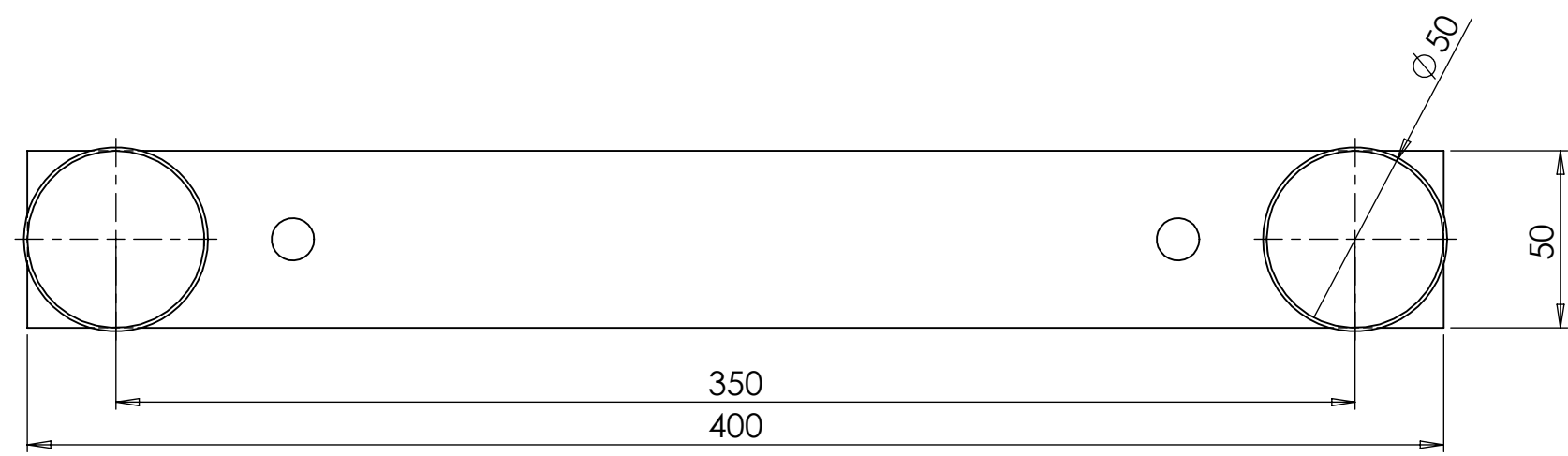
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DRAWN	Russell	01/06/17		
CHECKED				
ENG APPR				
MGR APPR			TITLE B50 Balustrade System	
			SIZE A3	DWG NO 1638-002
			REV A	
			B50	
SCALE:		WEIGHT:	SHEET OF	



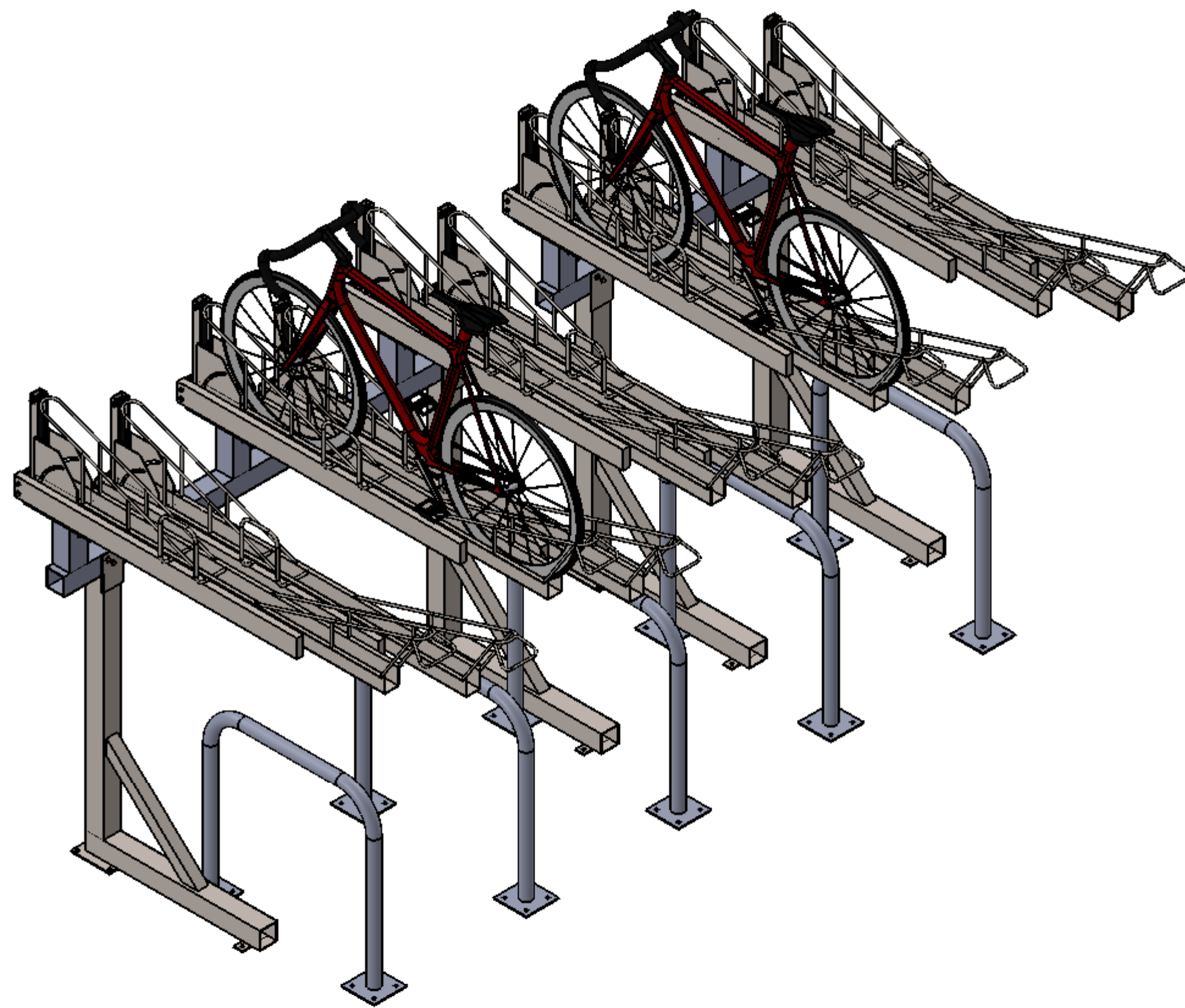
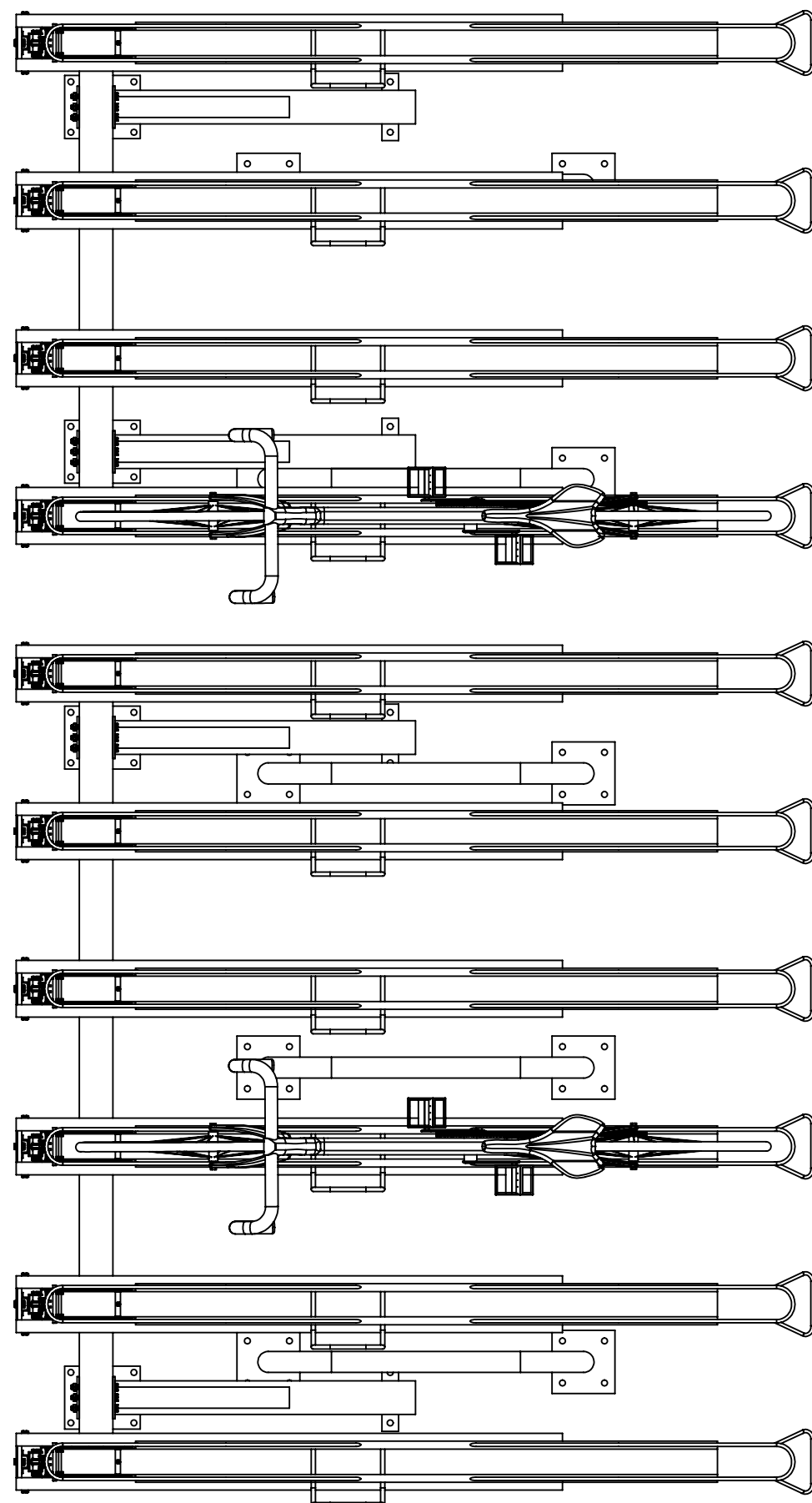
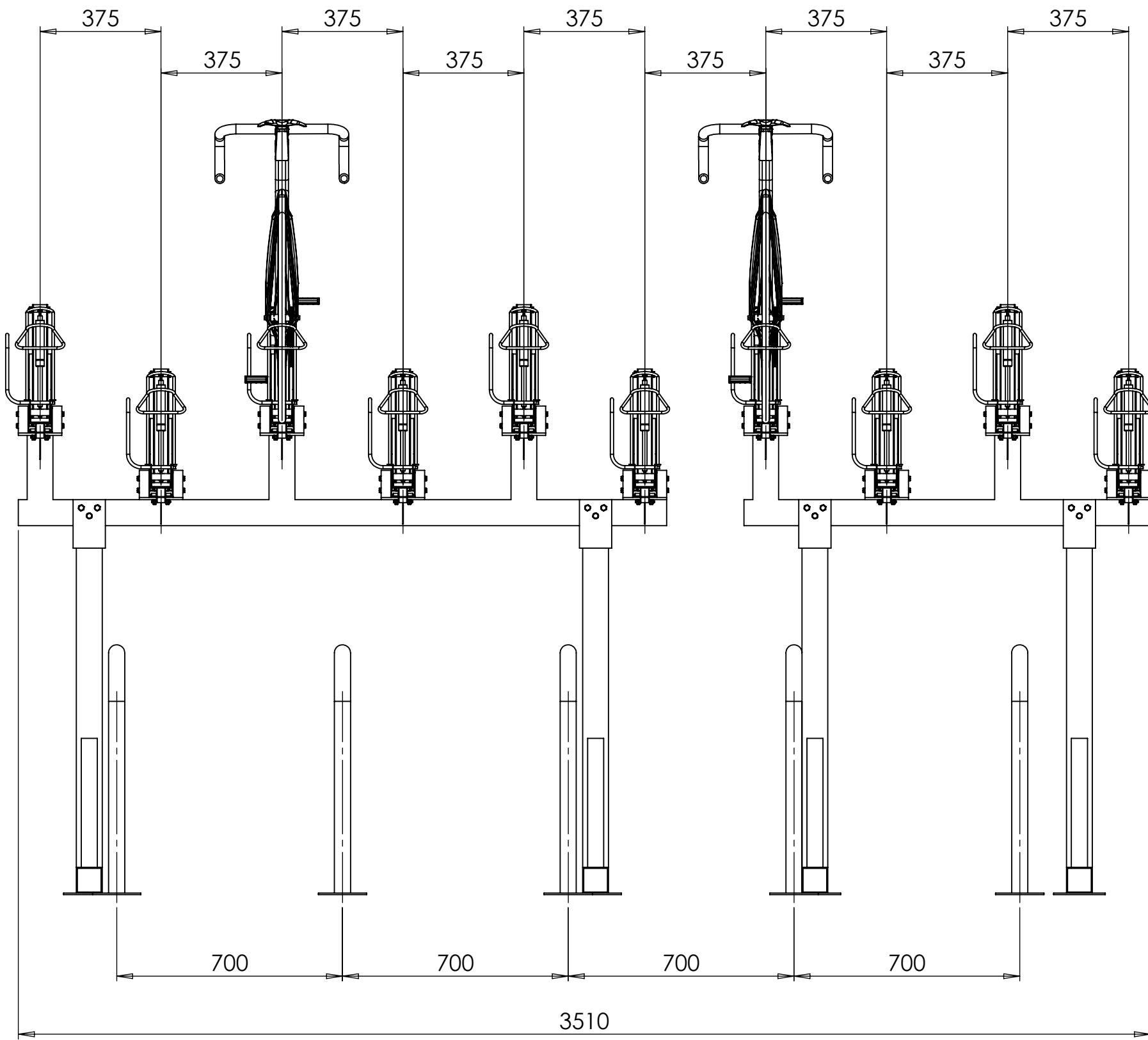
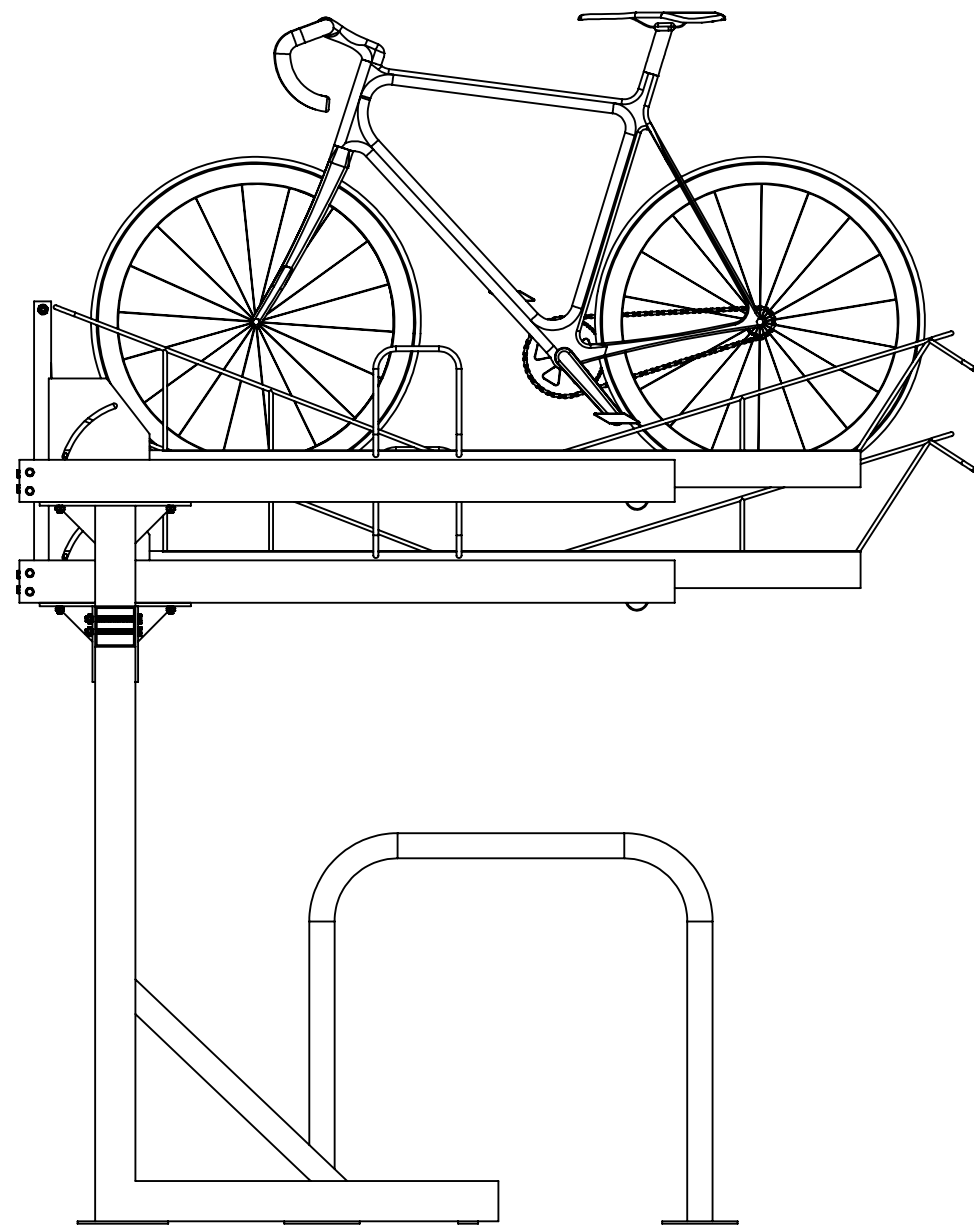
REV.	DESCRIPTION	DATE
REVISIONS		
BA Systems 22 Bidwell Road Norwich NR13 6PT tel 01603 722330 fax 01603 722777 web www.basystems.co.uk		 Brass Age
Project		
Client		
Drawing Title B40 - Handrail - No Handrail		
Drawing No. B40-014		Revision
Scale: 1:1		
Drawn GJH	Checked	Approved Date 30/04/2015

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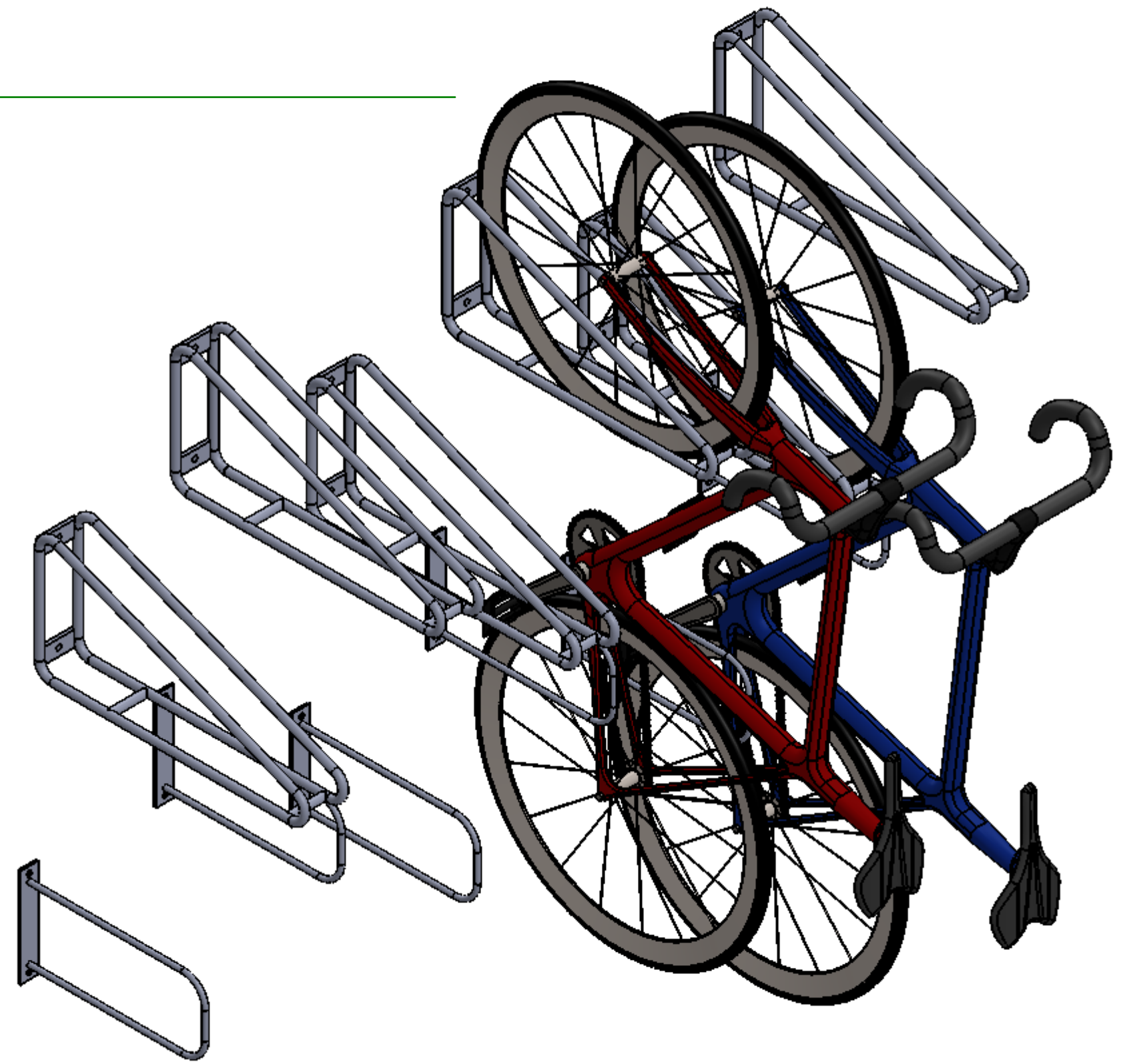
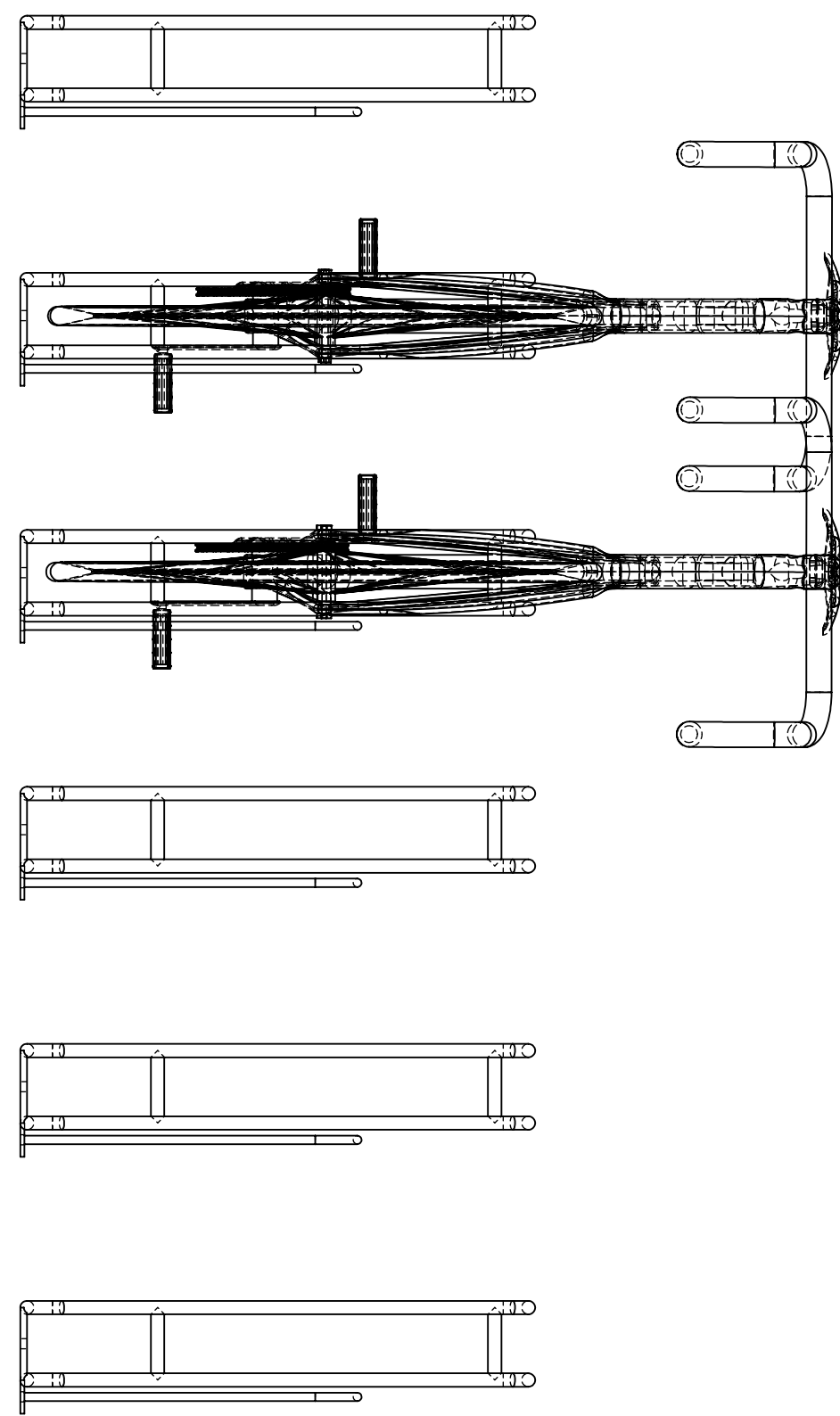
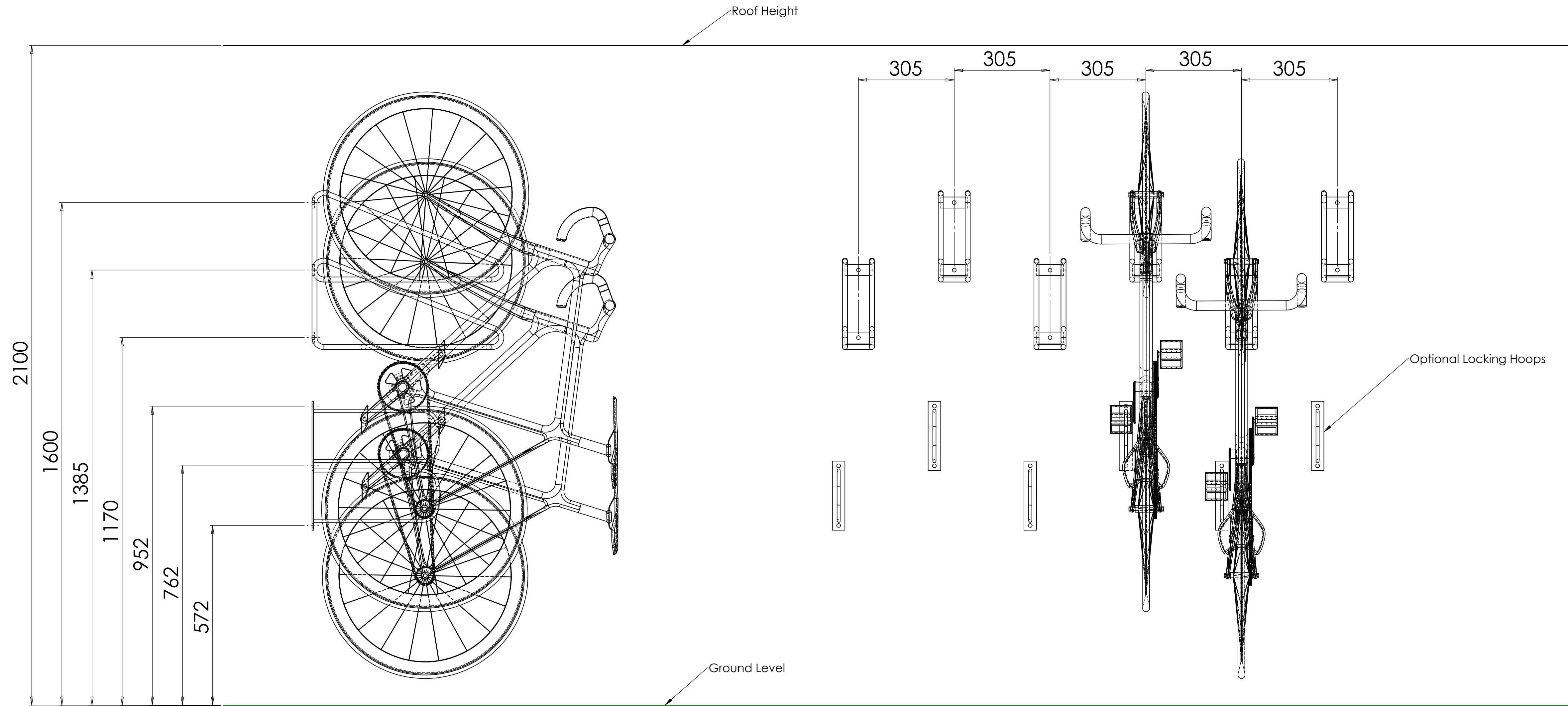
Cycle Storage



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:				FINISH:		DEBUR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING	REVISION
DRAWN:	NAME	SIGNATURE	DATE					TITLE: Bike Dock Solutions www.bikedocksolutions.com 0800 612 6113	
CHK'D:									
APP'D:									
MFG:									
Q.A.									
				MATERIAL:		SCALE: 1:10		SHEET 1 OF 1	
				WEIGHT:					



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:				FINISH:		DEBUR AND BREAK SHARP EDGES	DO NOT SCALE DRAWING	REVISION
DRAWN:				NAME	SIGNATURE		TITLE:	
CHK'D:							Bike Dock Solutions www.bikedocksolutions.com 0800 612 6113	
APP'D:								
MFG:							DWG NO.	
Q.A.							New Value Two Tier 20 Space Customer Drawing	A1
							SCALE:1:15	SHEET 1 OF 1



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:				FINISH:		DEBUR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING	REVISION
DRAWN:	NAME	SIGNATURE	DATE					TITLE:	
CHK'D:								Bike Dock Solutions www.bikedocksolutions.com 0800 612 6113	
APP'VD:									
MFG:									
Q.A.									
						MATERIAL:		DWG NO.	A1
						WEIGHT:		SCALE:1:8	SHEET 2 OF 5

Landscape Drawings



LEGEND

- COMMUNAL STORE
- PRIVATE STORE
- PUBLICLY ACCESSIBLE SHEFFIELD STANDS

1 PROPOSED CYCLE STORAGE
1 : 200

P2	TITLE SHEET UPDATED	15.12.21	FG	DTC
P1	FIRST ISSUE	09.12.21	DTC	AB
Rev.	Description	Date	Drawn	Chk.

Client
FRANKUM MEWS
DEVELOPMENT LTD.
Project
FRANKUM MEWS, CRAWLEY
ROAD, WOOD GREEN
Drawing Title
CYCLE STORAGE LOACTIONS
Drawing Status
PLANNING

Corstorphine & Wright

Leeds Studio
The Studio, Candle House, 1 Wharf Approach, Leeds, LS1 4GH
0113 213 5656
corstorphine-wright.com

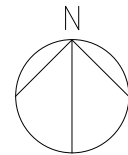
Drawn	Checked	Paper Size	Scale	Date	Revision
DTC	AB	A1	1 : 200	02/12/21	P2



LEGEND

-  PLAY EQUIPMENT
-  ELECTRIC VEHICLE CHARGING POINT
-  TIMBER BENCH
-  GRANITE BLOCK - 0.6m(w) x 1.2m(l) x 0.45m(h)

1 PROPOSED SITE PLAN - GROUND FLOOR - MINOR ARTEFACTS
1 : 200


0 10 20 m

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P3	BLOCK B ENTRANCE LAYOUT CHANGED	14.02.22	SU	DTC
P2	TITLE SHEET UPDATED	15.12.21	FG	DTC
P1	FIRST ISSUE	09.12.21	DTC	AB
Rev.	Description	Date	Drw.	Chk.

Client:
FRANKUM MEWS DEVELOPMENT LTD.

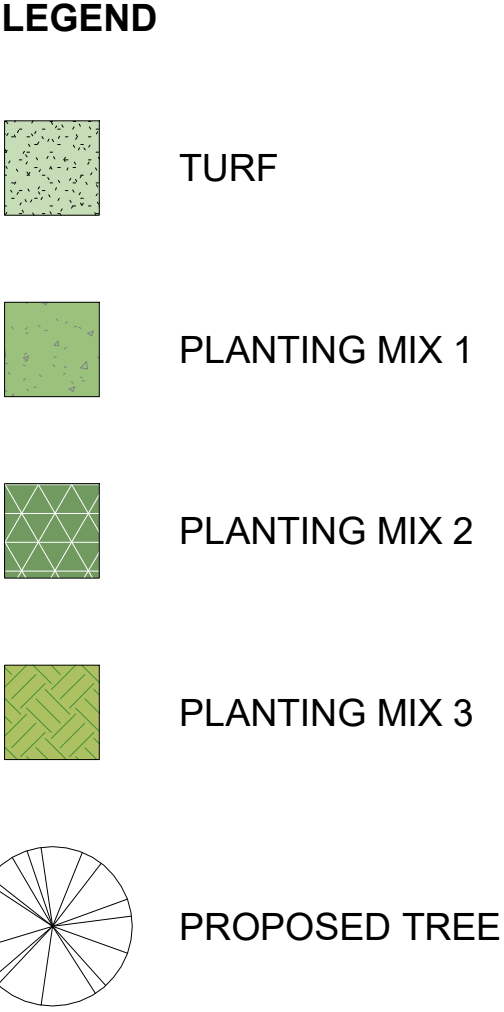
Project:
FRANKUM MEWS, CRAWLEY ROAD, WOOD GREEN

Drawing Title:
PROPOSED MINOR ARTEFACTS

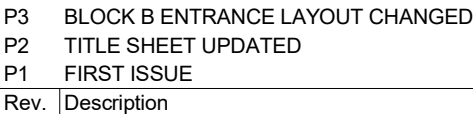
Drawing Status:
PLANNING

Leeds Studio
The Studio, Candle House, 1 Wharf Approach, Leeds, LS1 4GH
0113 213 8066
corstorphine-wright.com

Drawing No. WDG-CWA-S-XX-DR-A-0701				Revision P3	
Drawn DTC	Checked AB	Paper Size A1	Scale 1 : 200	Date 09/12/21	



1



14.02.22	SU	DTC
15.12.21	FG	DTC
09.12.21	DTC	AB
Date	Drw.	Chk.

Client:
FRANKUM MEWS
DEVELOPMENT LTD.

Project:
FRANKUM MEWS, CRAWLEY
ROAD, WOOD GREEN

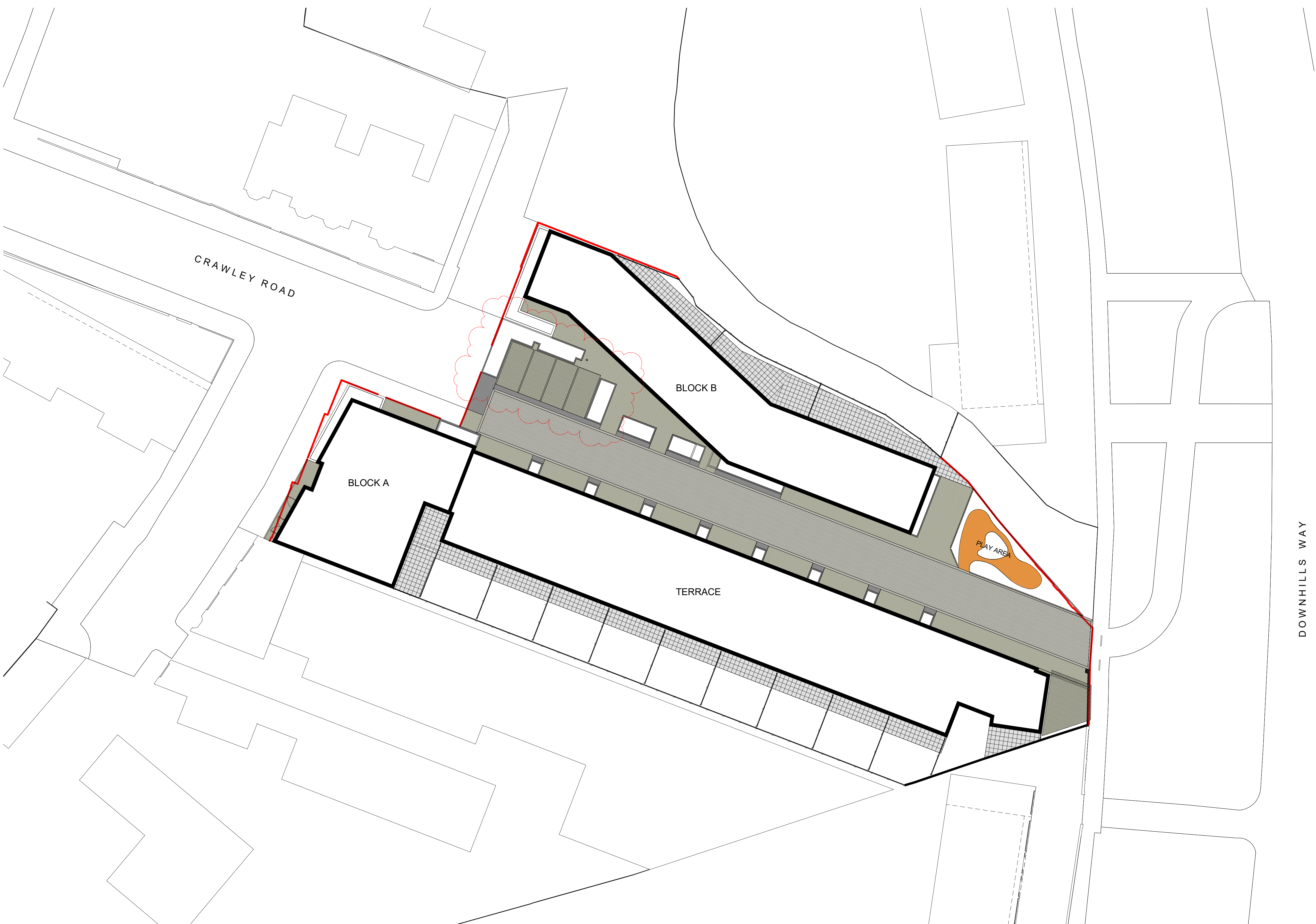
Drawing Title:
PROPOSED SOFT LANDSCAPING
PLAN

Drawing Status:
PLANNING

Corstorphine & Wright

Leeds Studio
The Studio, Candle House, 1 Wharf Approach, Leeds, LS1 4GH
0113 213 5656
corstorphine-wright.com

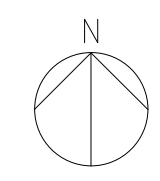
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WDG-CWA-S-XX-DR-A-0710				P3	
Drawn	Checked	Paper Size	Scale	Date	
DTC	AB	A1	1 : 200	01/12/21	



LEGEND

- TOBERMORE PEDESTA BLOCK - SLATE
- TOBERMORE PEDESTA BLOCK - NATURAL
- TOBERMORE MAYFAIR SLAB - SILVER
- TOBERMORE TEGULA SETT - CHARCOAL
- TOBERMORE TEXTURED KERB - NATURAL
- SOFT SURFACES, WETPOUR - COLOUR TBC

1 PROPOSED SITE PLAN - GROUND FLOOR - HARD LANDSCAPING
1 : 200


0 10 20 m

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P3	BLOCK B ENTRANCE LAYOUT CHANGED	14.02.22	SU	DTC
P2	TITLE SHEET UPDATED	15.12.21	FG	DTC
P1	FIRST ISSUE	09.12.21	DTC	AB
Rev	Description	Date	Drw	Chk

Client:
FRANKUM MEWS DEVELOPMENT LTD.

Project:
FRANKUM MEWS, CRAWLEY ROAD, WOOD GREEN

Drawing Title:
PROPOSED HARD LANDSCAPING PLAN

Drawing Status:
PLANNING

Leeds Studio
The Studio, Candle House, 1 Wharf Approach, Leeds, LS1 4GH
0113 213 8066
corstorphine-wright.com

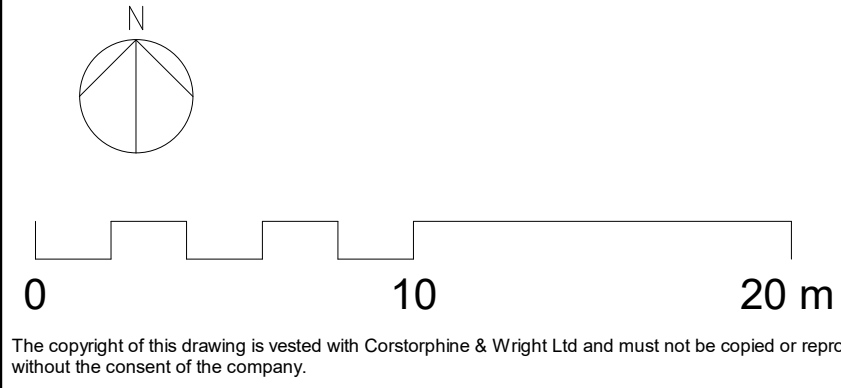
Drawing No. WDG-CWA-S-XX-DR-A-0711				Revision P3
Drawn DTC	Checked AB	Paper Size A1	Scale 1 : 200	Date 02/12/21



LEGEND

- WALL TYPE 1**
1.8m BRICK WALL
- WALL TYPE 2**
1.8m PERFORATED BRICK WALL
- WALL TYPE 1**
0.6m BRICK WALL
- FENCE TYPE 1**
1.8mm CLOSE BOARDED FENCE
- FENCE TYPE 2**
1.8m CLOSE BOARDED FENCE WITH 0.6m TRELLIS
- FENCE TYPE 3**
1.5m CLOSE BOARDED FENCE WITH 0.6m TRELLIS
- FENCE TYPE 4**
1.5m HOOP TOPPED RAILING

1 PROPOSED SITE PLAN - GROUND FLOOR - BOUNDARY TREATMENT
1 : 200

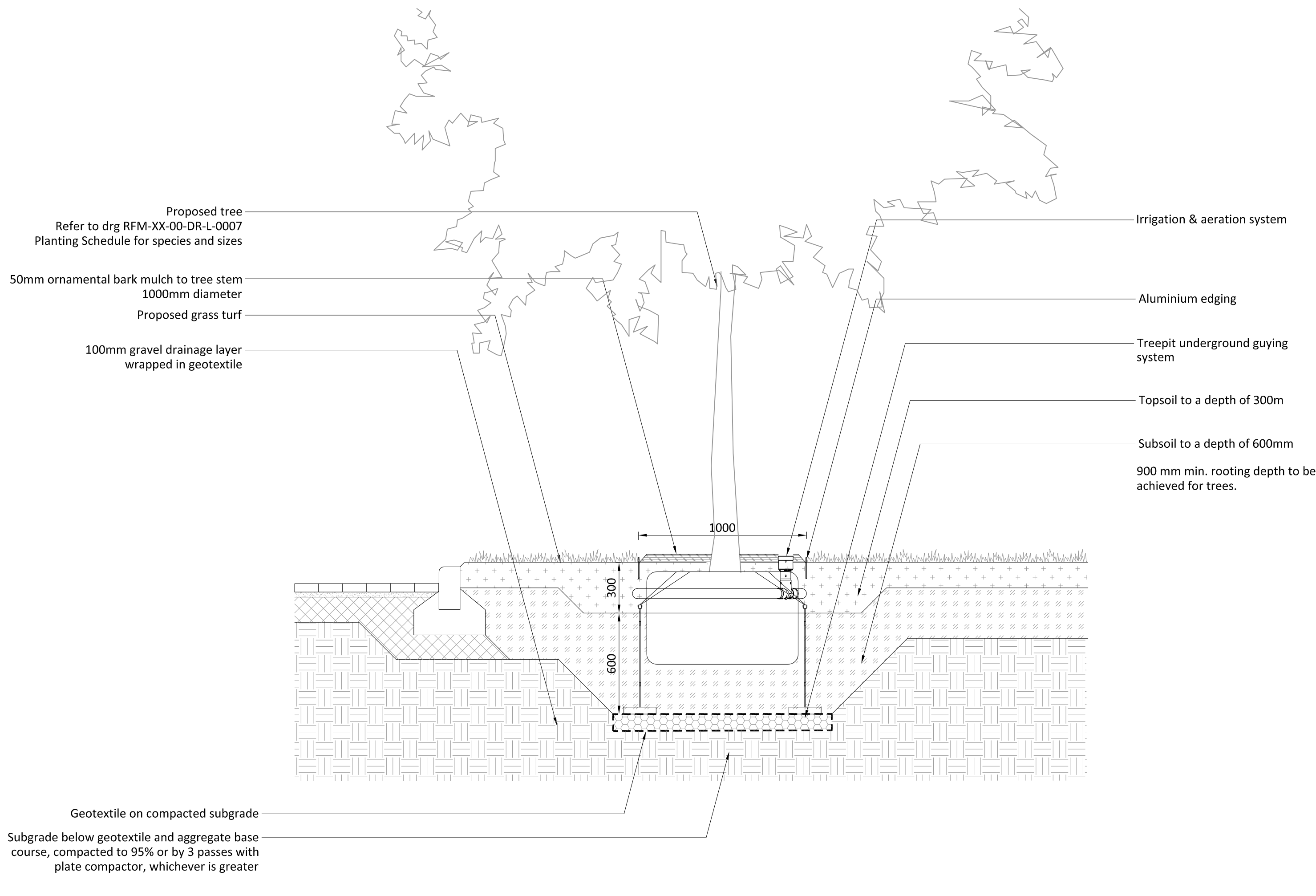


P5	BLOCK B ENTRANCE LAYOUT CHANGED	14.02.22	SU	DTC
P4	BOUNDARY PLAN UPDATED	21.01.22	DTC	LM
P3	FENCE TYPE 4 UPDATED FOLLOWING SBD ADVICE	07.01.21	DTC	AB
P2	TITLE SHEET UPDATED	15.12.21	FG	DTC
P1	FIRST ISSUE	09.12.21	DTC	AB
Rev.	Description	Date	Draw.	Chk.

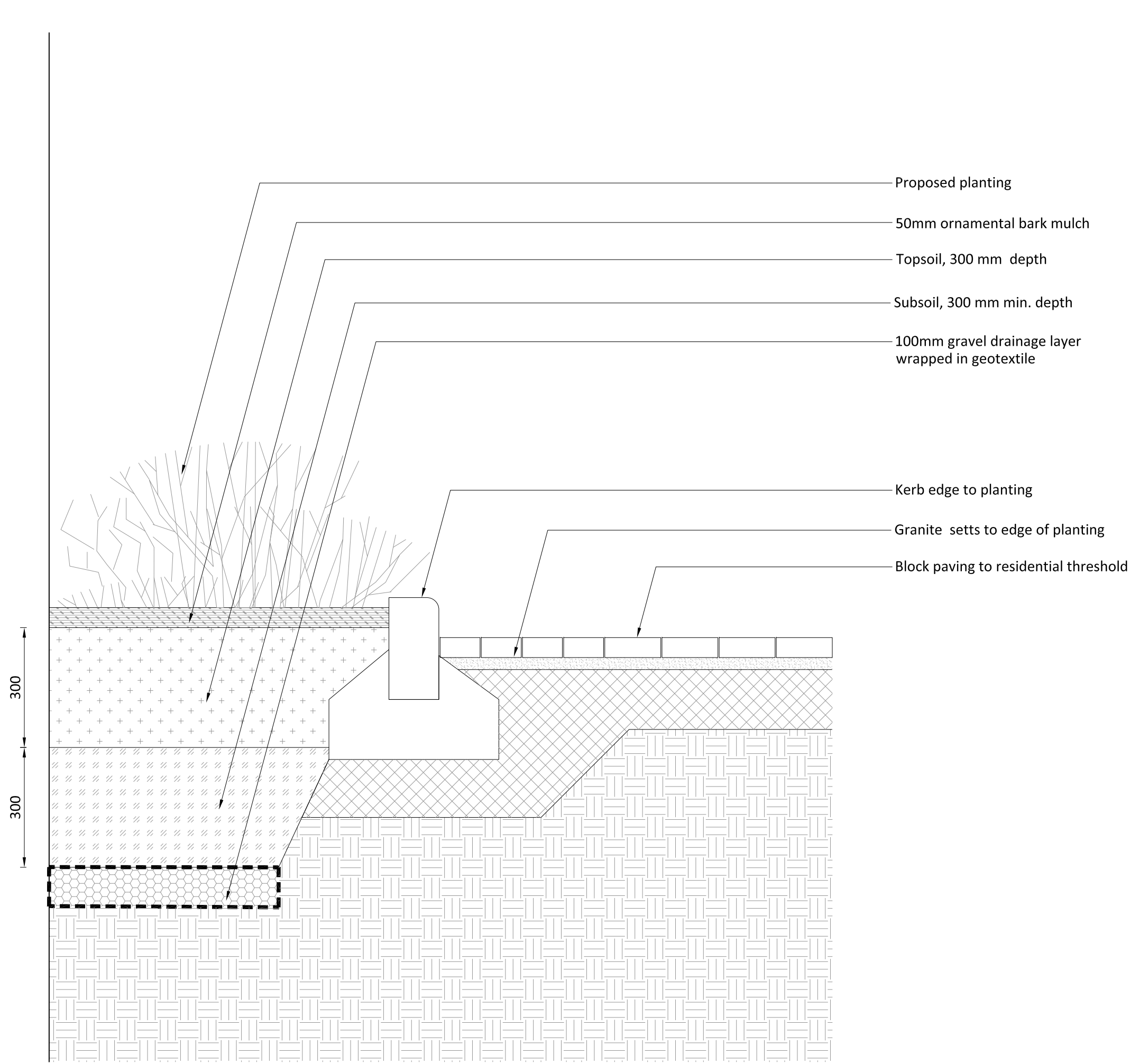
Client:
FRANKUM MEWS DEVELOPMENT LTD.
Project:
FRANKUM MEWS, CRAWLEY ROAD, WOOD GREEN
Drawing Title:
PROPOSED BOUNDARY PLAN
Drawing Status:
PLANNING

Corstorphine & Wright

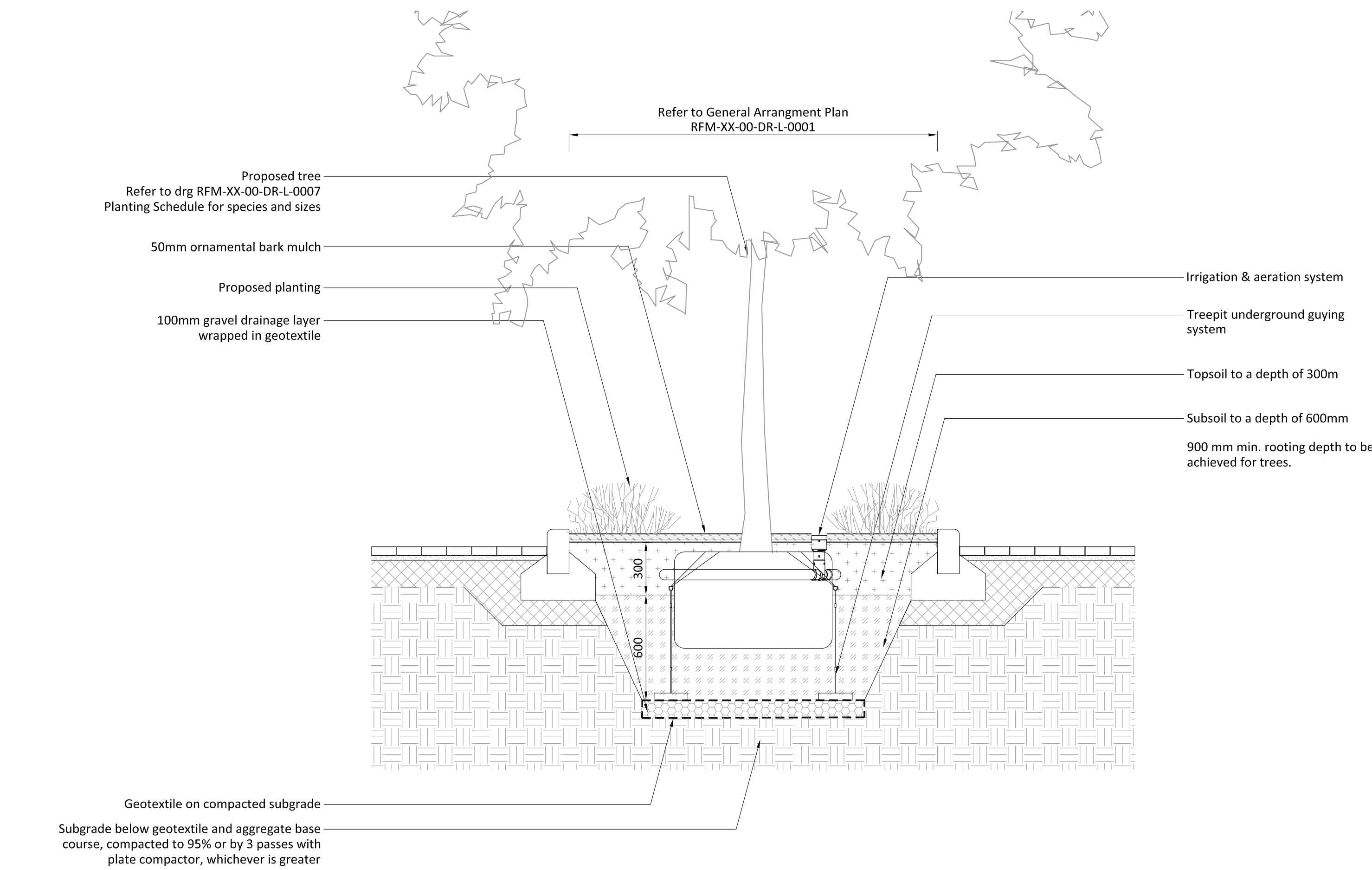
Leeds Studio The Studio, Candle House, 1 Wharf Approach, Leeds, LS1 4GH 0113 213 8866 corstorphine-wright.com				Revision
Drawing No. WDG-CWA-S-XX-DR-A-0712				P5
Drawn	Checked	Paper Size	Scale	Date
DTC	AB	A1	1 : 200	12/02/21



8004
01 Cross section: Tree pit in lawn 1:20



8002
03 Detail: Paving and planting interface detail at residential threshold 1:10



8004
01 Cross section: Tree pit in planting 1:20

- Notes**
- All dimensions in mm, unless otherwise stated.
 - Scaling from drawing if printed incorrectly may lead to errors.
 - This drawing is to be read in conjunction with the following re-form landscape architecture documentation:
 - RFM-XX-00-DR-L-0001-General Arrangement Plan
 - RFM-XX-00-DR-L-0007-Planting ScheduleAND all relevant documentation from the design team

14.02.19	Drawing issue	SD	JS	AP	PL01
Date	Description of revision	Drawn	Checked	Approved	Revision

re-form
landscape architecture

Tower Works, Globe Road,
Leeds LS11 5QG
T: +44 (0)113 245 4695
E: info@re-formlandscape.com
W: re-formlandscape.com

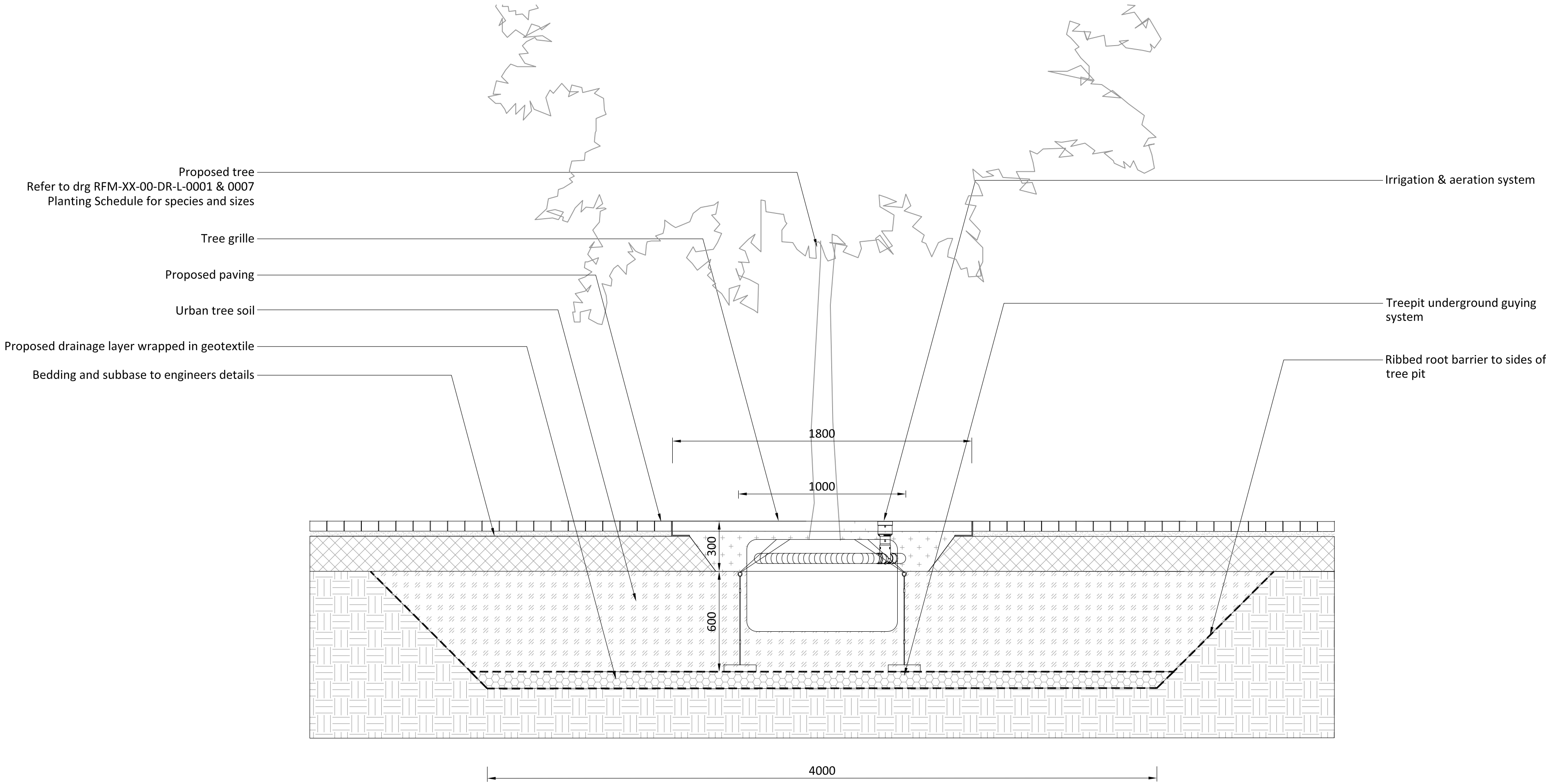
Project
FRANKUM MEWS DEVELOPMENT
RF18-581

Client
BETH SAMUEL

Document title
PLANTING INTERFACE DETAILS

Paper size A1	Scale AS SHOWN
Status FOR INFORMATION	S2
Drawing number RFM-XX-00-DR-L-8002	Revision PL01

© re-form landscape architecture



8003 Section: Tree pit in hard landscape detail 1:20

- Notes**
1. All dimensions in mm, unless otherwise stated.
 2. Scaling from drawing if printed incorrectly may lead to errors.
 3. All information outside red line boundary shown for contextual purpose only.
 4. All hatch patterns are indicative only unless stated otherwise.
 5. This drawing is to be read in conjunction with the following re-form landscape architecture documentation:
 - RFM-XX-00-DR-L-0001-General Arrangement PlanAND all relevant documentation from the design team

14.02.19	Drawing issue	SD	JS	AP	PL01
Date	Description of revision	Drawn	Checked	Approved	Revision

re-form
landscape architecture

Tower Works, Globe Road,
Leeds LS11 5QG
T: +44 (0)113 245 4695
E: info@re-formlandscape.com
W: re-formlandscape.com

Project
FRANKUM MEWS DEVELOPMENT
RF18-581

Client
BETH SAMUEL

Document title
TREE PIT IN HARD LANDSCAPE DETAIL

Paper size A1	Scale 1:20
Status FOR INFORMATION	S2
Drawing number RFM-XX-00-DR-L-8003	Revision PL01

© re-form landscape architecture

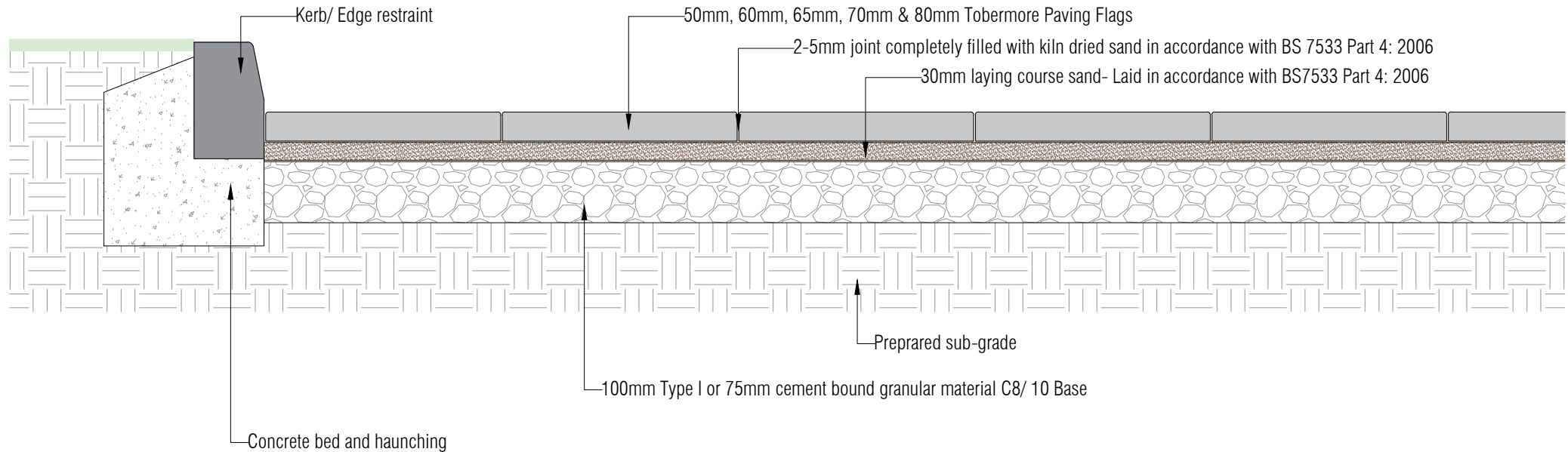
Tobermore Concrete Products Ltd.

Loading category 1 - Flag paving (flexible installation)

Pedestrian only areas with light mechanical sweepers

MEWPS - N/A

Scale 1:10 @A4



Disclaimer:

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Important:

This design is based on a 5% or greater CBR. Lower CBR values will require deeper sub-bases / roadbases, and may require ground improvement such as capping layers and / or Geo-textile support.

Adequate falls should be incorporated. All references are to latest edition of BS 7533

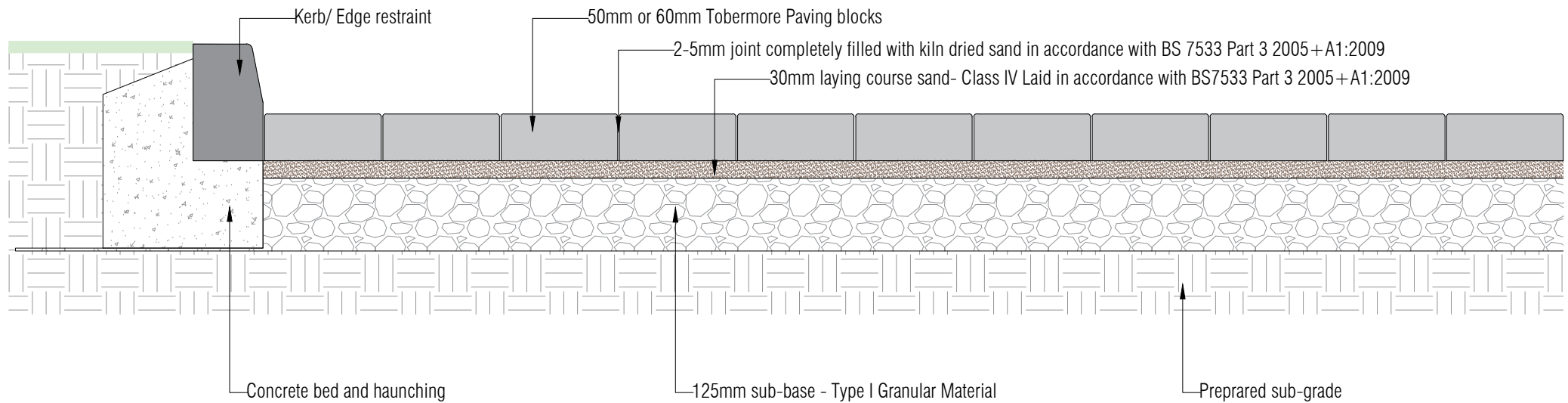
Tobermore Concrete Products Ltd.

Loading category 1 - Block paving (flexible installation)

Pedestrian only areas and residential driveways

MEWPS - N/A

Scale 1:10 @A4



Important:

For areas subjected to vehicular traffic, the most effective laying pattern to resist the forces of vehicles braking and turning is herringbone. Rectangular units may be laid in areas subjected to vehicular traffic in a stretcher course pattern. However, it should NOT be "in line" with the general flow of traffic.

This design is based on a 5% or greater CBR. Lower CBR values will require deeper sub-bases / roadbases, and may require ground improvement such as capping layers and / or Geo-textile support.

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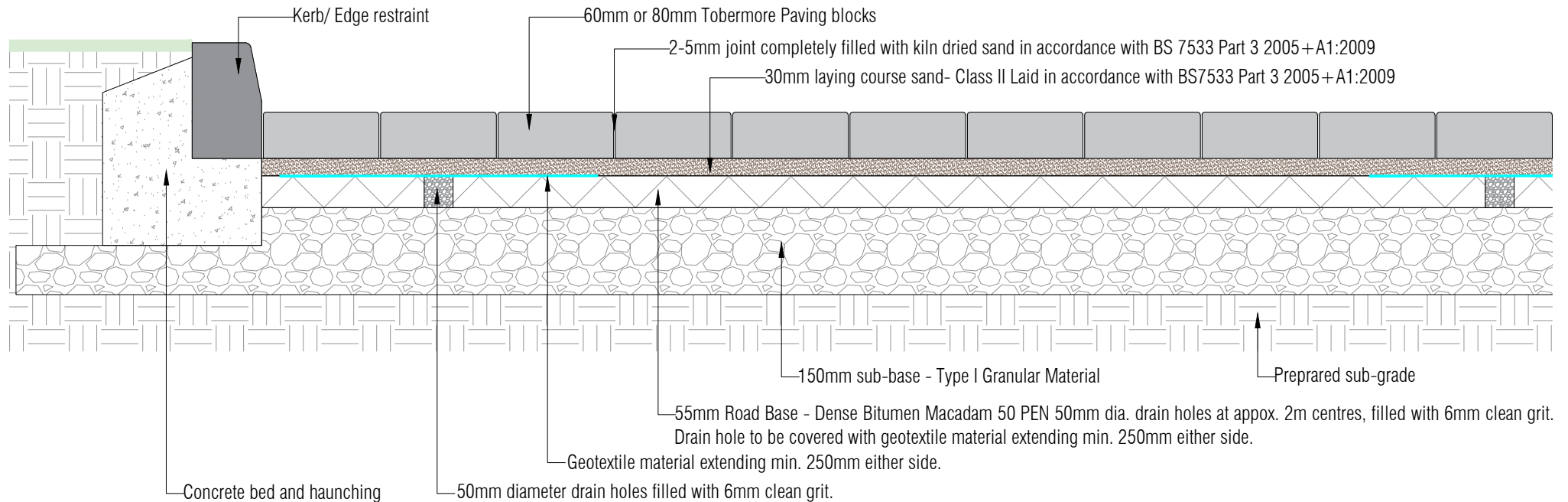
Tobermore Concrete Products Ltd.

Loading category 4 - Block paving (flexible installation)

100 standard axles (emergency vehicles)

MEWPS up to 7500 kgs gross weight (1 per week)

Scale 1:10 @A4



Important:

For areas subjected to vehicular traffic, the most effective laying pattern to resist the forces of vehicles braking and turning is herringbone. Rectangular units may be laid in areas subjected to vehicular traffic in a stretcher course pattern. However, it should NOT be "in line" with the general flow of traffic.

This design is based on a 5% or greater CBR. Lower CBR values will require deeper sub-bases / roadbases, and may require ground improvement such as capping layers and / or Geo-textile support.

Adequate falls should be incorporated. All references are to latest edition of BS 7533:3 ed. with A1:2009 appendix

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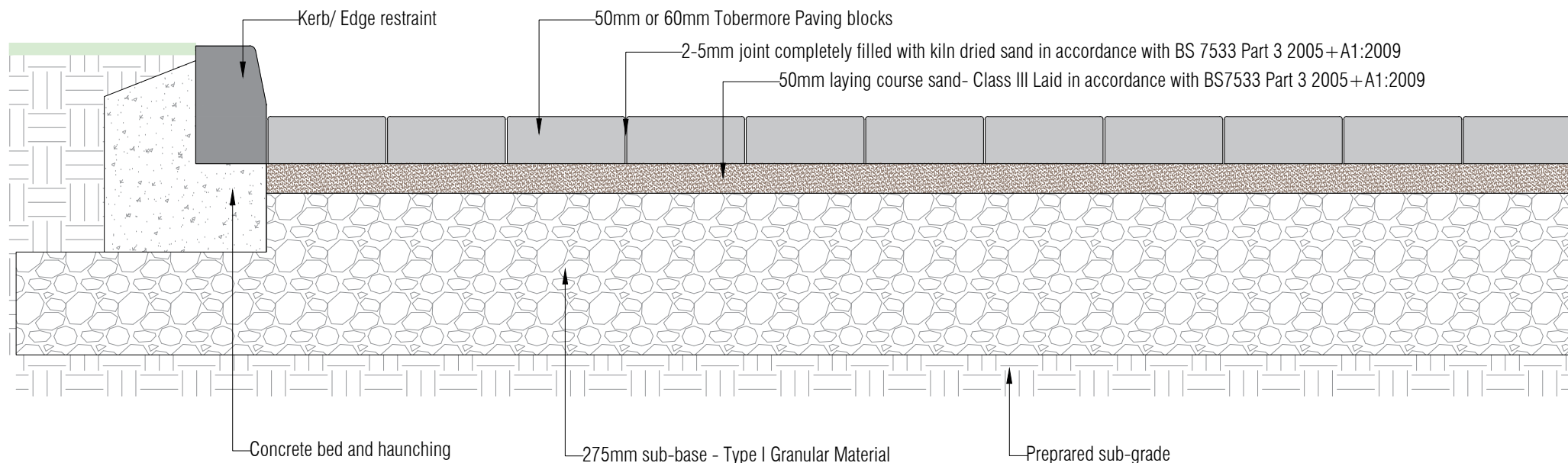
Tobermore Concrete Products Ltd.

Loading category 3 - Block paving (flexible installation)

Traffic up to 7.5 tonne.

MEWPS - up to 7500kgs gross weight (1 per week)

Scale 1:10 @A4



Important:

For areas subjected to vehicular traffic, the most effective laying pattern to resist the forces of vehicles braking and turning is herringbone. Rectangular units may be laid in areas subjected to vehicular traffic in a stretcher course pattern. However, it should NOT be "in line" with the general flow of traffic.

This design is based on a 5% or greater CBR. Lower CBR values will require deeper sub-bases / roadbases, and may require ground improvement such as capping layers and / or Geo-textile support.

Adequate falls should be incorporated. All references are to latest edition of BS 7533:3 ed. with A1:2009 appendix

Disclaimer:

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