

LANDSCAPE SPECIFICATION DOCUMENT

Gorton Square

This document should be read in conjunction with
5493 General Arrangements Plan and is intended to provide a technical guide
to landscape products specified for the purposes of construction.

Prepared by



on behalf of

Manchester City Council



**Funded by
UK Government**

First Issue DECEMBER 2024

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I.0 HARD SURFACE MATERIALS

Hydrolineo Paving

Permeable Linear Concrete Path of Hydrolineo concrete block paving. A combination of hydrolineo 0 (50%), 40 (25%) and Block (25%), to grade out the path into soft landscaping. Grass will be integrated into the gaps in between the paving.

Colour: Standard Wit 051. Supplied by www.hardscape.co.uk or equal approved manufacturer



Suppliers Details

Hardscape

Ground Floor Front West,
1 Castle Lane,
London
SW1E 6DR

Tel: 0207 0992 500

Hydro Lineo

A Green Paving Solution



BENEFITS

- Growable surface 22% / 44%
- Water infiltration
- Mutually exchangeable
- Smooth transition from closed to open pavement
- Small spacers keep the ridges from shifting
- Exceptionally fast installation
- Many colours and textures
- Suitable for medium-heavy traffic



Hydro Lineo 22

Dimensions (cm)	Growable Surface %	Weight (kg)
10x30x10	22%	5,46

Hydro Lineo 40

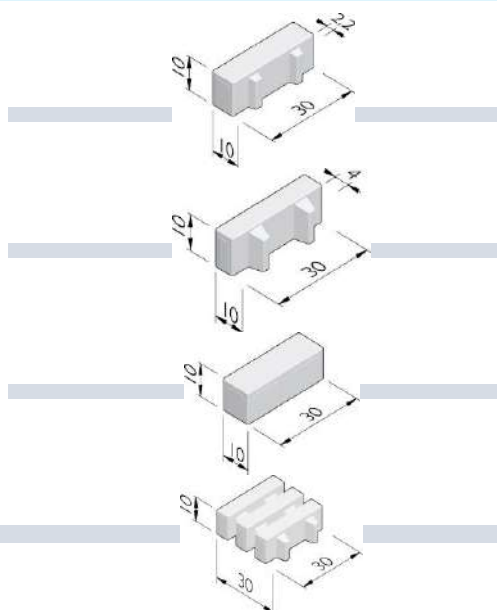
Dimensions (cm)	Growable Surface %	Weight (kg)
10x30x10	40%	4,49

Hydro Lineo 0

Dimensions (cm)	Growable Surface %	Weight (kg)
10x30x10	0%	6,75

Hydro Lineo Block

Dimensions (cm)	Weight (kg)
30x30x10	14,10



RESIN BOUND GRAVEL - BUTTERMILK

6mm natural aggregate resin bound gravel in Buttermilk colour. 6mm aggregate size built up to 25mm and to be laid flush with aluminum edging in sweeping curves. Supplied by www.sureset.co.uk



Suppliers Details

Tel: +44 (0)1985 841 180

Unit 32, Deverill Road Trading Estate,
Deverill Rd, Sutton Veny, Warminster
BA12 7BZ

www.sureset.co.uk

Permeable (SuDS) Pedestrian External Surfacing Specifications

Light Pedestrian Use

1. SureSet SuDS surface

30mm minimum depth of maximum size 6mm resin bound gravel, or 40mm minimum depth of maximum size 10mm resin bound gravel.

Fine grit is lightly cast onto an uncured surface.

2. Sub-base

75–100mm minimum depth of well compacted Type 3 granular sub-base to SHW clause 805 or 4/40mm, 4/20mm graded crushed concrete aggregate to BS EN12620 or locally available secondary or recycled aggregates which comply with the above specification blinded with 2/6.3mm graded crushed concrete aggregates to BS EN 12620.

3. Membrane

An impermeable membrane to convey water to retention/detention/storage systems.

OR

A geo-textile separation membrane to allow infiltration directly into sub-grade and to prevent upward migration of fine soil particles may be required.

4. Capping/Improvement layer

If required, in one or more layers.

5. Sub-grade

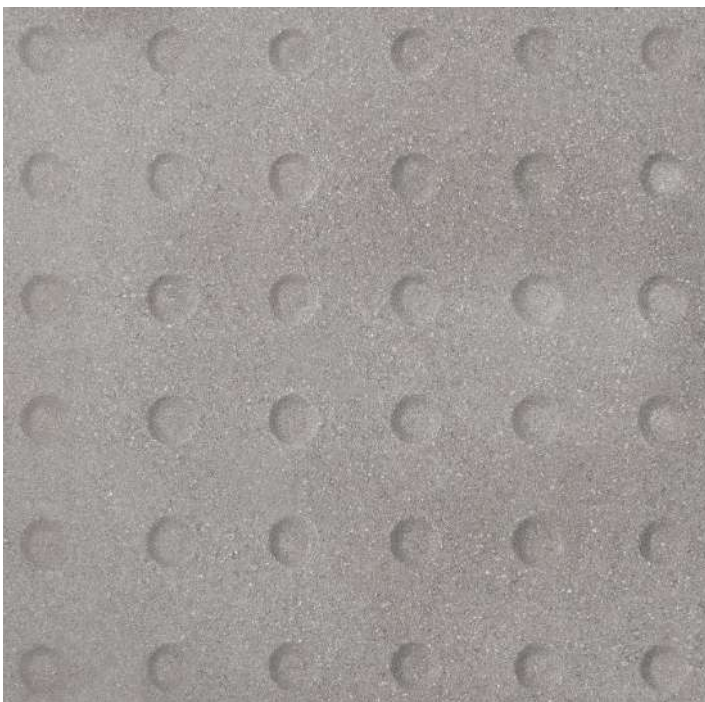
Top soil stripped back until organic and vegetative material has been removed.



SuDS suitable for woodland and garden paths as well as patios.

HAZARD WARNING FLAGS

400 x 400 x 50mm Hardscape Tactile Hazard Warning flags/ Blister Flags in Natural/ Buff colour (to provide a contrast to adjacent surface as required Supplied by www.hardscape.co.uk or equal approved manufacturer



Suppliers Details

Hardscape
Eagley House,
Deakins Business Park,
Egerton, Bolton
BL7 9RP

Tel: 01204 565500

<https://hardscape.co.uk/>

Corduroy

Hazard Warning concrete tactile paving



Q25 320

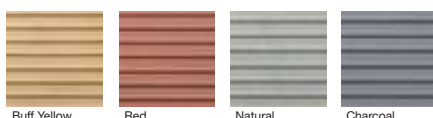
Features

Corduroy Hazard Warning tactile flags are used to denote a hazard

Examples of typical use applications are:

- the top and bottom of a flight of steps
- level crossings

The flat top rods are laid parallel to the edge of the hazard at a distance of 400mm away



Buff Yellow

Red

Natural

Charcoal



400 x 400 x 50

Corduroy Tactile Paving Unit Profile

Product Range

Dimensions (mm)	Colours	Pcs per m ²	m ² per pack	Pcs per pack	No. of layers per pack	Pack Weight (Kg)
* 400 x 400 x 50	Red, Buff Yellow, Natural, Charcoal	25	6.4	160	8	1140

* Made to order. Minimum order quantity applies.

Technical & Performance Data

Product Type	Concrete Block Paving	Application & Trafficking	Product suitable for pedestrianized areas
Product Standard	BS EN 1339:2003, BS7997 BS:2003, DDCEN-TS15209:2008	Chamfer	No
Manufacturing Method	Hydraulically pressed semi-dry concrete	Joint	Corduroy Hazard Warning Tactile Paving has a narrow finished joint of 1mm approx. This product has no integral spacer rib and no chamfer. Great care and attention must be paid when handling and installing to avoid chipping and damage to edges. Joints should be filled with Kiln dried jointing sand or if laid on a mortar bedding then a mortar joint should be used – see page 75 for further details on jointing.
Finish	Corduroy pattern. <i>Available in alternative textures and colours upon request.</i>	BREEAM	'A' rated in accordance with the Green Guide Specification Edition 4, 2009 'A+' rated when used in conjunction with a prepared recycled sub-base.
Packaging Information	Baled, strapped and plastic cover	Certification	ISO 9001:2008
Slip/Skid Resistance	Low potential		
Strength	Typically class 3 compliant to BS EN 1339:2003		
Complimentary Products	Kerb setts, kerb blocks, Heritage kerb, Mellifont kerb		

Breccia Block Paving

150 x 400 x 80mm Hardscape in Breccia Grigio, Breccia Bianco and Breccia Giallo.

Yellow Brick Road Area: - 100% Breccia Giallo - 119m²

Market Stall Area:

- 50% Breccia Grigio - 62.8m²
- 20% Breccia Bianco - 25.1m²
- 30% Breccia Giallo - 37.7m²

Soldier Course - Breccia Giallo (Area-3m², Length -310 /lin m)

Breccia Grigio



Breccia Bianco



Breccia Giallo



Suppliers Details

Hardscape
Eagley House,
Deakins Business Park,
Egerton, Bolton
BL7 9RP

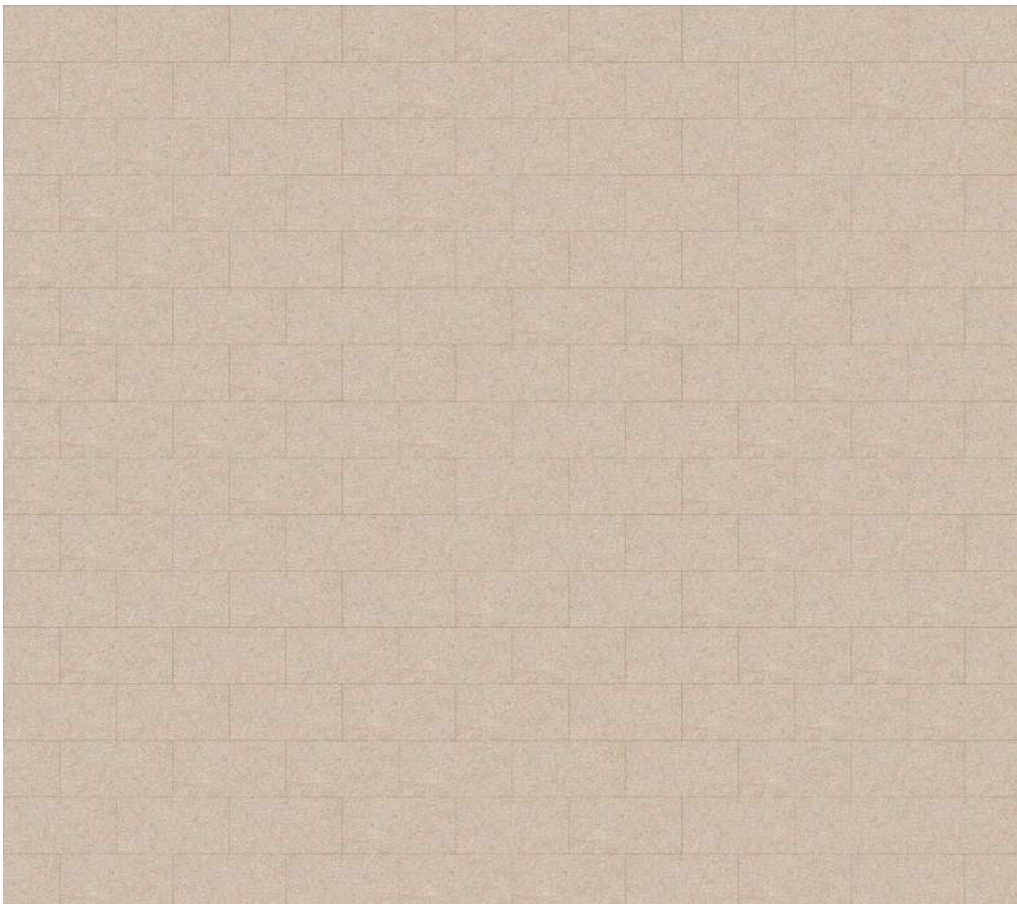
Tel: 01204 565500

<https://hardscape.co.uk/>

Block Paving Mix - Market Stalls



Block Paving- Yellow Brick Road



ALUExcel

Flexible Metal Edging - Available from Kinley

25mm high, flexible metal edge in mill aluminum. Pegged into a 150mm sub-base.

Suitable for use in pedestrian areas with a smaller load bearing capacity



Suppliers Details
Kinley Systems Limited
Compass Park, Junction Rd, Bodiam,
Northpoint TN32 5BS

Tel: 01580 830688
www.kinley.co.uk

AluExcel

Aluminium angle edging for hard landscaping

L-profile aluminium edger restraint for hard landscape surfaces available in either Flexible or Rigid lengths in various heights and thicknesses. Flexible lengths shown in the images above. Powder coat finishes available on request.



Benefits:

- Highest quality, durable aluminium alloy won't rust
- Create clean curved or straight lines by hand
- Fast, simple installation saves time and money
- Strong base with tapered top edge gives stability to a refined design
- Works between all hard/soft surface types

Suitable for:

- Blocks and pavers
- Asphalt and tarmac
- Wet-pour rubber safety surfacing
- Resin bound gravel

Edging Height	25 mm	40 mm	50 mm	65 mm	75mm	100mm	120 mm	150 mm
Flexible Version	101012	101014	101016	101018	101020	101022	101024	101028
Rigid Version	101013	101015	101017	101019	101021	101023	101025	101030
Edging thickness (top bead)	5.5 mm	6 mm	6 mm	6 mm	6.5 mm	6.5 mm	7 mm	8.5 mm
Edging length	2500 mm	2500 mm	2500 mm	2500 mm	2500 mm	2500 mm	2500 mm	2500 mm
Edging foot width	45 mm	45 mm	45 mm	45 mm	70 mm	70 mm	70 mm	70 mm
Fixing stake length	250 mm	250 mm	250 mm	250 mm	250 mm	250 mm	250 mm	250 mm
Minimum radius by hand*	250 mm	1000mm						
Minimum radius in factory					400 mm	500 mm		1500 mm
Available finishes					Mill finish/ powder coat to order			
Material Specification					6005A aluminium			
Recycled content					Part recycled/ 100% recyclable			



2.0 STREET FURNITURE

2.1 VESTRE

Vestre Furniture Quantities

DEP Reference	Product reference	Product Name	Wood Type	Fixing Type	Additions	RAL no.	Colour	Total
B1	1517 - 930	BLOC Seat	Kebony	Plate Fixed	Back and arm rests	5012	Light blue	2
T2	1530 - 930	BLOC Lounge Table	Kebony	Plate Fixed	-	1034	Pastel Yellow	2
S1	1504-930	BLOC Chair	Kebony	Plate Fixed	Back and arm rests	2012	Salmon Orange	4
S1	1504-930	BLOC Chair	Kebony	Plate Fixed	Back and arm rests	1034	Pastel Yellow	4
S2	1576-930	BLOC Sun Bench - Short	Kebony	Plate Fixed	Back rest only	2012	Salmon Orange	3
S2	1576-930	BLOC Sun Bench - Short	Kebony	Plate Fixed	Back rest only	1034	Pastel Yellow	2
HH	5903-900C	Habitat Leaf	-	Post in Concrete Footing - 3m above ground level	Solitary Bee Insert	6019	Pastel Green	3
HW	5823-904C	Habitat Wings	-	Post in Concrete Footing - 3m above ground level	Pole Mounted	5012	Light blue	2

Suppliers Details

Vestre Ltd
26 Store Street
WC1E 7BT, London

Tel: +44 (0)7548 342576
jack@vestre.com

BLOC seat

1517-930

Designed by
Atle Tveit, Lars Tornøe

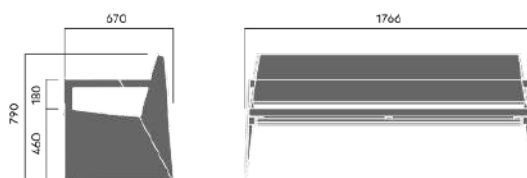
Bloc seat is available with or without a backrest and armrests, and can be used on its own or joined in rows and back to back.



AWARD FOR DESIGN EXCELLENCE

Anchoring/assembly

Free-standing/mounted to the ground



97 kg

Primary material

Hot-dip galvanised and powder-coated steel

The powder coating process was developed to satisfy the tough requirements of the Norwegian offshore industry. Corrosion class C5-M



8 mm

Colour

RAL 5012 - Light blue

Powder coated with Jotun façade for standard colours. Vestre offers more than 200 standard RAL classic colours at no extra charge.



Secondary material

Kebony Clear (xxx-930/931)

Kebonised pine based on Norwegian technology, Nordic Swan Ecolabel. Hardness: 4.2 on the Brinell scale. For outdoor use.



45 mm

Sustainability

Indicators	Global warming	Total energy used	Recycled materials
Unit	kg CO2	MJ	%
Cradle to Gate A1-A3	220.6	3545.52	2.07

Certifications



Warranty

- Lifetime warranty against rust
- 15 year warranty on powder coating
- 15 year warranty on wood
- Spare parts always available

BLOC lounge table

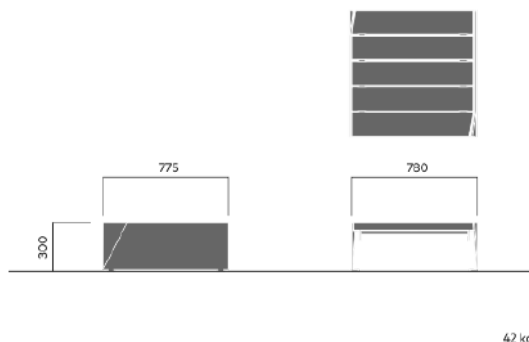
1530-930

Designed by
Atle Tveit, Lars Tornøe

Bloc lounge table can be used on its own or combined with benches and chairs



AWARD FOR DESIGN EXCELLENCE



Anchoring/assembly

Free-standing/mounted to the ground

Primary material

Hot-dip galvanised and powder-coated steel

The powder coating process was developed to satisfy the tough requirements of the Norwegian offshore industry. Corrosion class C5-M



8 mm

Colour

RAL 1034 - Pastel yellow

Powder coated with Jotun façade for standard colours. Vestre offers more than 200 standard RAL classic colours at no extra charge.



Secondary material

Kebony Clear (xxx-930/931)

Kebonised pine based on Norwegian technology. Nordic Swan Ecolabel. Hardness: 4.2 on the Brinell scale. For outdoor use.



45 mm

Sustainability

Indicators	Global warming	Total energy used	Recycled materials
Unit	kg CO2	MJ	%
Cradle to Gate A1-A3	155	2372.24	2.24

Certifications



Warranty

- Lifetime warranty against rust
- 15 year warranty on powder coating
- 15 year warranty on wood
- Spare parts always available

BLOC chair

1504-930

Designed by
Atle Tveit, Lars Tornøe

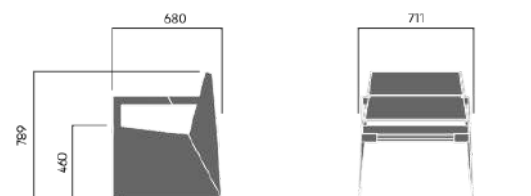
Bloc chair is available with or without armrests. Bloc chairs enhance this popular range of furniture.



AWARD FOR DESIGN EXCELLENCE

Anchoring/assembly

Free-standing/mounted to the ground



80 kg

Primary material

Hot-dip galvanised and powder-coated steel

The powder coating process was developed to satisfy the tough requirements of the Norwegian offshore industry. Corrosion class C5-M



8 mm

Colour

RAL 1034 - Pastel yellow

Powder coated with Jotun façade for standard colours. Vestre offers more than 200 standard RAL classic colours at no extra charge.



Secondary material

Kebony Clear (xxx-930/931)

Kebonised pine based on Norwegian technology. Nordic Swan Ecolabel. Hardness: 4.2 on the Brinell scale. For outdoor use.



Sustainability

Indicators	Global warming	Total energy used	Recycled materials
Unit	kg CO2	MJ	%
Cradle to Gate A1-A3	198.88	2934.35	2.4

Certifications



Warranty

- Lifetime warranty against rust
- 15 year warranty on powder coating
- 15 year warranty on wood
- Spare parts always available

BLOC chair

1504-930

Designed by
Atle Tveit, Lars Tornøe

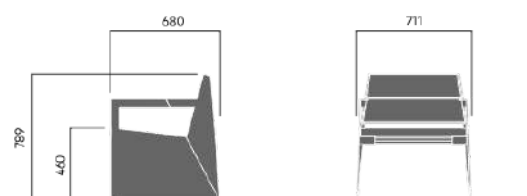
Bloc chair is available with or without armrests. Bloc chairs enhance this popular range of furniture.



AWARD FOR DESIGN EXCELLENCE

Anchoring/assembly

Free-standing/mounted to the ground



80 kg

Primary material

Hot-dip galvanised and powder-coated steel

The powder coating process was developed to satisfy the tough requirements of the Norwegian offshore industry. Corrosion class C5-M



8 mm

Colour

RAL 2012 - Salmon orange

Powder coated with Jotun façade for standard colours. Vestre offers more than 200 standard RAL classic colours at no extra charge.



Secondary material

Kebony Clear (xxx-930/931)

Kebonised pine based on Norwegian technology. Nordic Swan Ecolabel. Hardness: 4.2 on the Brinell scale. For outdoor use.



Sustainability

Indicators	Global warming	Total energy used	Recycled materials
Unit	kg CO2	MJ	%
Cradle to Gate A1-A3	198.88	2934.35	2.4

Certifications



Warranty

- Lifetime warranty against rust
- 15 year warranty on powder coating
- 15 year warranty on wood
- Spare parts always available

BLOC sun bench

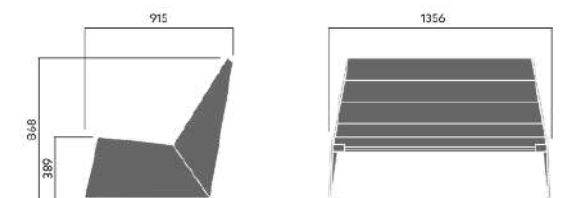
1576-930

Designed by
Atle Tveit, Lars Tornøe

Bloc sun bench can be used on its own or joined in rows and back to back. It is also available with a short seat.



AWARD FOR DESIGN EXCELLENCE



130kg

Anchoring/assembly

Free-standing/mounted to the ground

Primary material

Hot-dip galvanised and powder-coated steel

The powder coating process was developed to satisfy the tough requirements of the Norwegian offshore industry. Corrosion class C5-M



8 mm

Colour

RAL 2012 - Salmon orange

Powder coated with Jotun façade for standard colours. Vestre offers more than 200 standard RAL classic colours at no extra charge.



Secondary material

Kebony Clear (xxx-930/931)

Kebonised pine based on Norwegian technology. Nordic Swan Ecolabel. Hardness: 4.2 on the Brinell scale. For outdoor use.



45 mm

Sustainability

Indicators	Global warming	Total energy used	Recycled materials
Unit	kg CO2	MJ	%
Cradle to Gate A1-A3	194.18	3185.15	2

Certifications



Warranty

- Lifetime warranty against rust
- 15 year warranty on powder coating
- 15 year warranty on wood
- Spare parts always available

BLOC sun bench

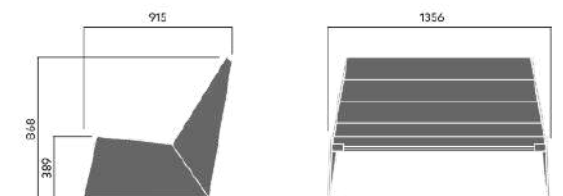
1576-930

Designed by
Atle Tveit, Lars Tornøe

Bloc sun bench can be used on its own or joined in rows and back to back. It is also available with a short seat.



AWARD FOR DESIGN EXCELLENCE



130kg

Anchoring/assembly

Free-standing/mounted to the ground

Primary material

Hot-dip galvanised and powder-coated steel

The powder coating process was developed to satisfy the tough requirements of the Norwegian offshore industry. Corrosion class C5-M



8 mm

Colour

RAL 1034 - Pastel yellow

Powder coated with Jotun façade for standard colours. Vestre offers more than 200 standard RAL classic colours at no extra charge.



Secondary material

Kebony Clear (xxx-930/931)

Kebonised pine based on Norwegian technology. Nordic Swan Ecolabel. Hardness: 4.2 on the Brinell scale. For outdoor use.



45 mm

Sustainability

Indicators	Global warming	Total energy used	Recycled materials
Unit	kg CO2	MJ	%
Cradle to Gate A1-A3	194.18	3185.15	2

Certifications



Warranty

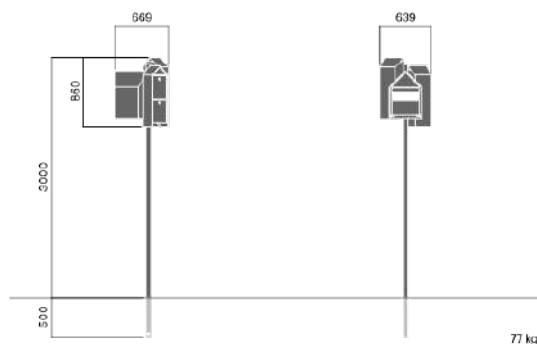
- Lifetime warranty against rust
- 15 year warranty on powder coating
- 15 year warranty on wood
- Spare parts always available

HABITATS Wings

5823-900C

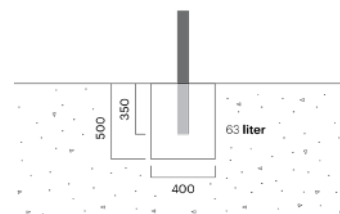
Designed by
René Hougaard, ARDE

Habitats wings bird house is part of the Vestre Habitats series, where the products are designed to protect and increase biodiversity in cities. The lack of safe nesting spaces means that new flocks of birds are unable to establish themselves. This problem could be overcome by putting up more nest boxes. The Wings bird house is one such solution and comes in several variations.



Anchoring/assembly

Type C - Concreting



Primary material

Hot-dip galvanised and powder-coated steel

The powder coating process was developed to satisfy the tough requirements of the Norwegian offshore industry. Corrosion class C5-M



Colour

RAL 5012 - Light blue

Powder coated with Jotun façade for standard colours. Vestre offers more than 200 standard RAL classic colours at no extra charge.



Sustainability

Indicators	Global warming	Total energy used	Recycled materials
Unit	kg CO2	MJ	%
Cradle to Gate A1-A3	140	2166	0

Certifications



Warranty

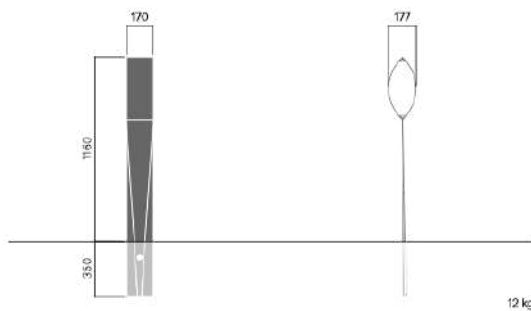
- Lifetime warranty against rust
- 15 year warranty on powder coating
- 15 year warranty on wood
- Spare parts always available

HABITATS Leaf

5903-900C

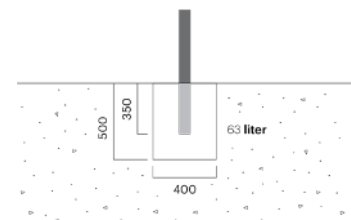
Designed by
Alexander Qual, Rethink

Habitats leaf is part of the Vestre Habitats series, where the products are designed to protect and increase biodiversity in cities. Leaf is an insect hotel that gives insects a home in urban neighbourhoods. The shape of the product is based on a stylised leaf. The design is minimalistic and also has a sculpture-like character which can easily be placed either alone or in groups. Leaf can be placed in planters, flower beds, on roof terraces or in parks—you can let your imagination run wild. The most important thing to remember is to ensure that the biological, species-typical parameters are considered and thus enrich the opportunities for insects to survive in urban environments.



Anchoring/assembly

Type C - Concreting



Primary material

Hot-dip galvanised and powder-coated steel

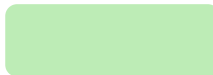
The powder coating process was developed to satisfy the tough requirements of the Norwegian offshore industry. Corrosion class C5-M



Colour

RAL 6019 - Pastel green

Powder coated with Jotun façade for standard colours. Vestre offers more than 200 standard RAL classic colours at no extra charge.



Sustainability

Indicators	Global warming	Total energy used	Recycled materials
Unit	kg CO2	MJ	%
Cradle to Gate A1-A3	41	577	0

Certifications



Warranty

- Lifetime warranty against rust
- 15 year warranty on powder coating
- 15 year warranty on wood
- Spare parts always available

Visit www.vestre.com for more information.
Specifications are subject to change without notice.
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uk@vestre.com
www.vestre.com

vestre

2.2 BAILEY STREET SCENE

B2,T1 GREENGATE PICNIC SET

Table and bench legs to be made from hot dipped galvanized steel to BS5950 and should be finished in a powder coated finish RAL6019 Pastel Green.

All timber elements should be made from sustainable hardwood and smooth planed. Timber slats should be 140mm x 75mm high and laid flat.

Height (above the FFL of the paving) of table to be 745mm, and benches to be 460mm.

Benches and tables to be surfaced fixed to the feature paving slabs.

Final construction detail to be produced by the manufacturer.

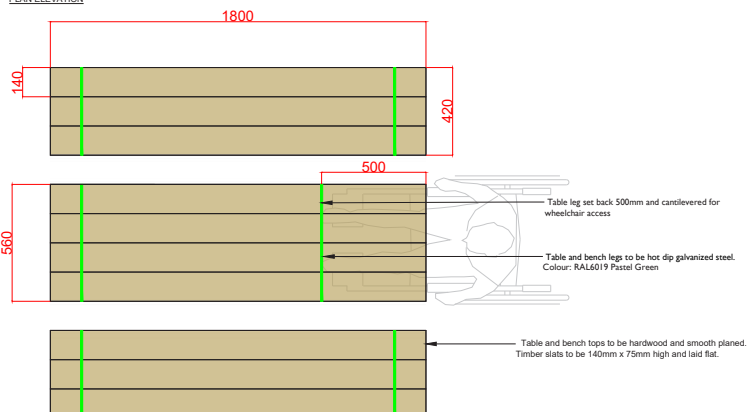
Large Timber Slats



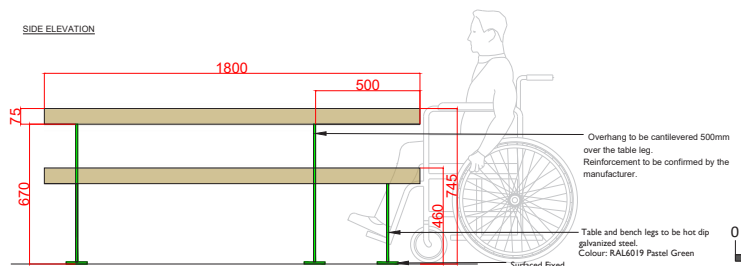
Greengate Picnic Set



PLAN ELEVATION



SIDE ELEVATION



RAL Colour: 6019

Bailey Street Furniture Group
London Road
Adlington
Macclesfield
SK10 4NL

www.bsfg.co.uk
Contact: Ian Stevenson 07725 040551

PI 1M DIAMETER PLANTER

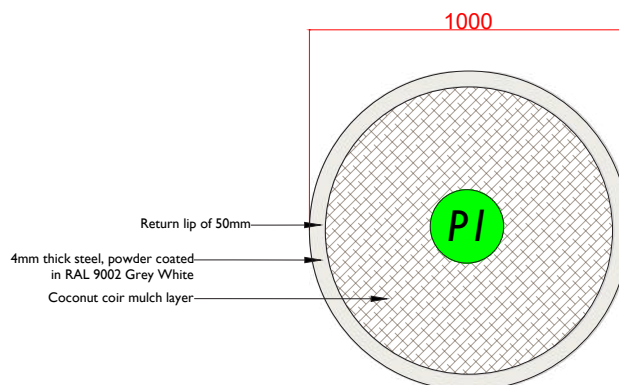
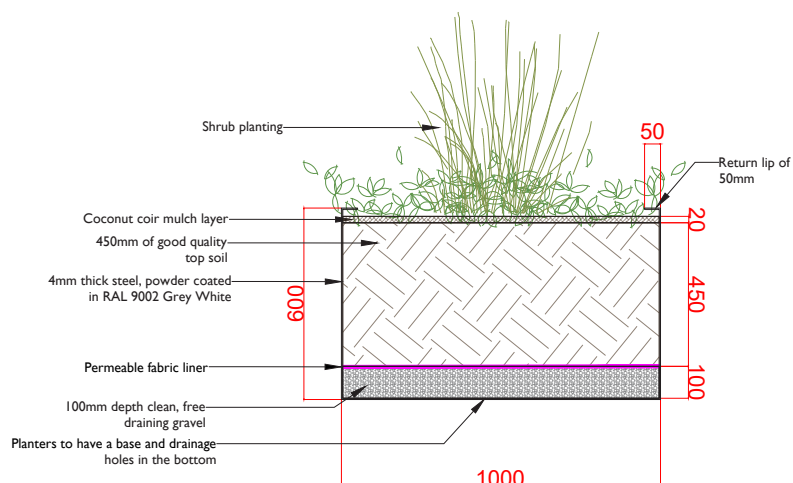
1m diameter planters to be made from mild steel and should be finished in a powder coated finish RAL9002 Grey White.

Planters to be 600mm high, and 1000mm wide.

Planters to be free standing and have a base and drainage holes in the bottom.

Final construction detail to be produced by the manufacturer prior to fabrication.

Planter Reference Images



RAL Colour: 9002

Bailey Street Furniture Group
London Road
Adlington
Macclesfield
SK10 4NL

www.bsfg.co.uk
Contact: Ian Stevenson 07725
040551

P2 RECTANGULAR PLANTER

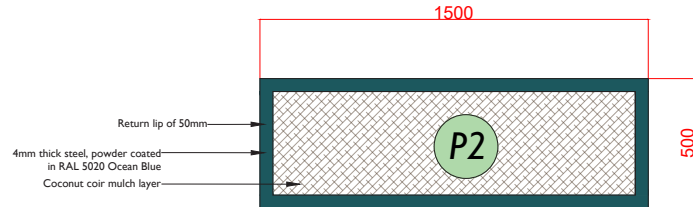
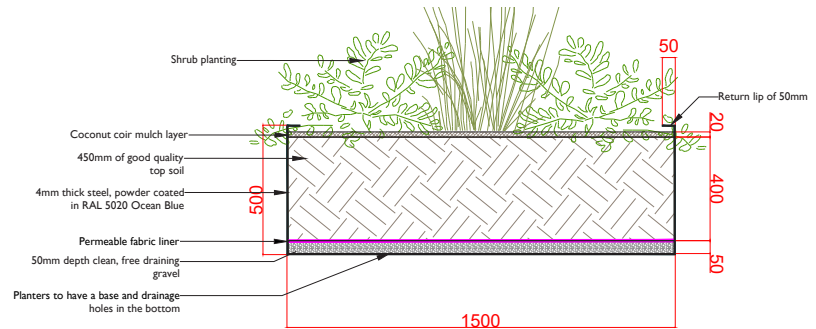
Rectangular Planters to be made from mild steel and should be finished in a powder coated finish RAL5020 Ocean Blue.

Height to be 1500 x 500 x 500mm.

Planters to be free standing and have a base and drainage holes in the bottom.

Final construction detail to be produced by the manufacturer prior to fabrication.

Planter Reference Images



Bailey Street Furniture Group
London Road
Adlington
Macclesfield
SK10 4NL

www.bsfg.co.uk
Contact: Ian Stevenson 07725 040551

P3 2M DIAMETER PLANTER

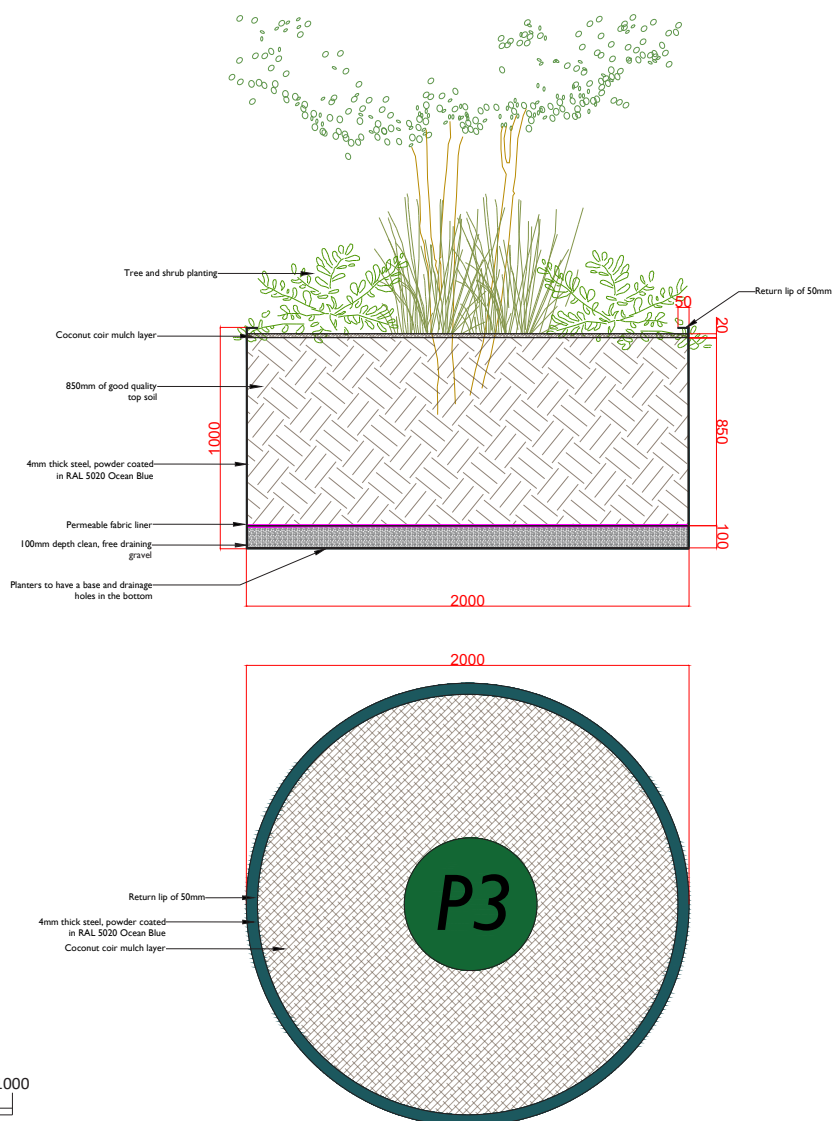
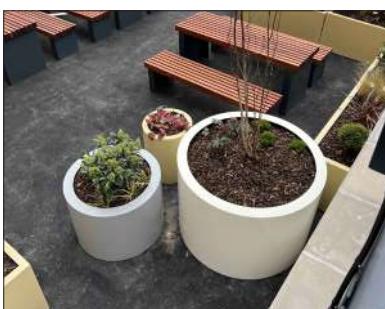
Planters to be made from mild steel and should be finished in a powder coated finish RAL5020 Ocean Blue.

Planter to be 1000mm high, and 2000mm in diameter.

Planters to have a base and drainage holes in the bottom.

Final construction detail to be produced by the manufacturer prior to fabrication.

PLANTER REFERENCE IMAGES



RAL Colour: 5020

Bailey Street Furniture Group
London Road
Adlington
Macclesfield
SK10 4NL

www.bsfg.co.uk
Contact: Ian Stevenson 07725 040551

2.3 HARDSCAPE

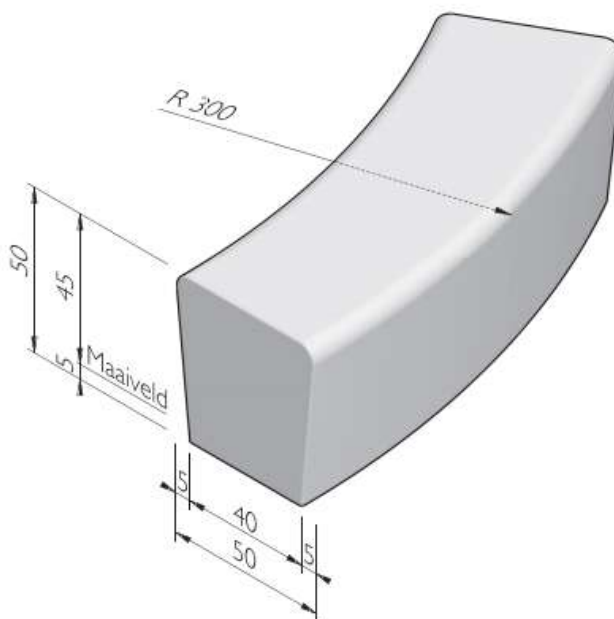
B3 SOLID TWEEZIJDIG BOCHT BENCH

From the Elementale range available from Hardscape.

These will be double bullnosed with a radius of 6500mm and a length of 1700mm. Colour: Smooth Light Grey

SOLID TWEEZIJDIG BOCHT

straal = R (m)	lengte (cm)	gewicht (kg)	aantal per 360°
1,20	188	790,00	4
2,00	157	740,00	8
3,00	157	770,00	12
4,50	177	897,00	16
6,50	170	875,00	24
0,90	70	276,00	8



Suppliers Details

Hardscape
Eagley House,
Deakins Business Park,
Egerton, Bolton
BL7 9RP

Tel: 01204 565500

<https://hardscape.co.uk/>

Available from Hardscape

Pebble seat in the size S 188x117x48cm / 1366kg. Made from etched waterproof concrete and slinged into position.

Colour: BL White



Suppliers Details

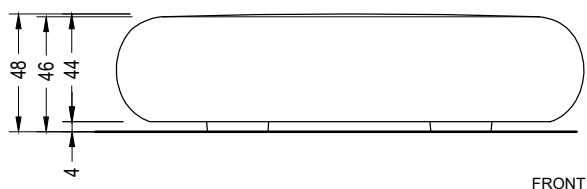
Hardscape
Eagley House,
Deakins Business Park,
Egerton, Bolton
BL7 9RP

Tel: 01204 565500

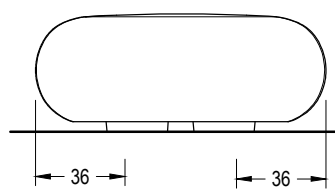
<https://hardscape.co.uk/>

Petra	XS	S	L
Dimensions	110 x 95 x 47 cm	188 x 117 x 48 cm	195 x 192 x 50 cm
Weight	728 kg	1366 kg	2027 kg

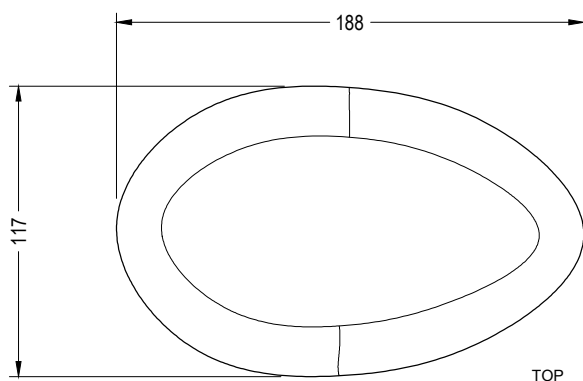
Petra S



FRONT



SIDE



TOP

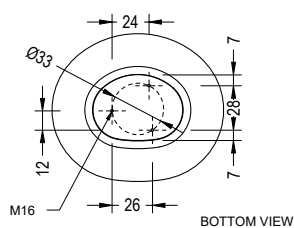
Hoisting

P= 728 kg /1366 kg / 2027 kg

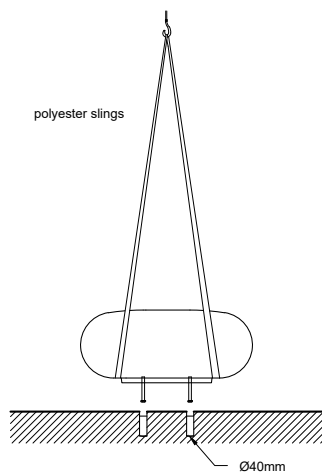
Installation

Petra XS: Drill pavement Ø40 x 180 mm and fill with resin or fat mortar. Tightly screw the 2 stud bolts Din 931 M16 x 140 mm. Center and caulk the bench foot all around.

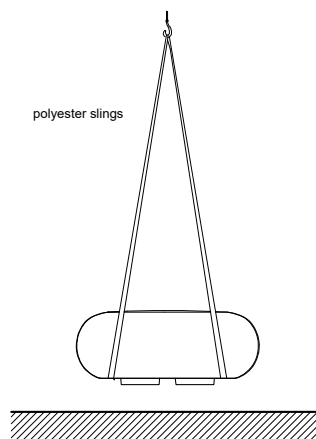
Petra XS



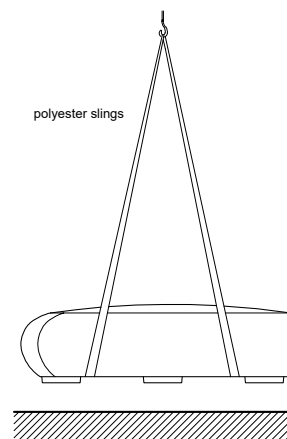
BOTTOM VIEW



Petra S



Petra L



3.0 ADDITIONAL FURNITURE ELEMENTS

BIN

Bins to be installed in line with Manchester City Council specifications.

To be supplied by Wybone - MLB 112 ECO PL DA-PA Option I version 2. Contains 1 L1 galvanised steel liner.

Pitched lid with the AW197-MCC-160x180 artwork on all sides. Powder coated in Black RAL 9005. Adjustable feet

wybone

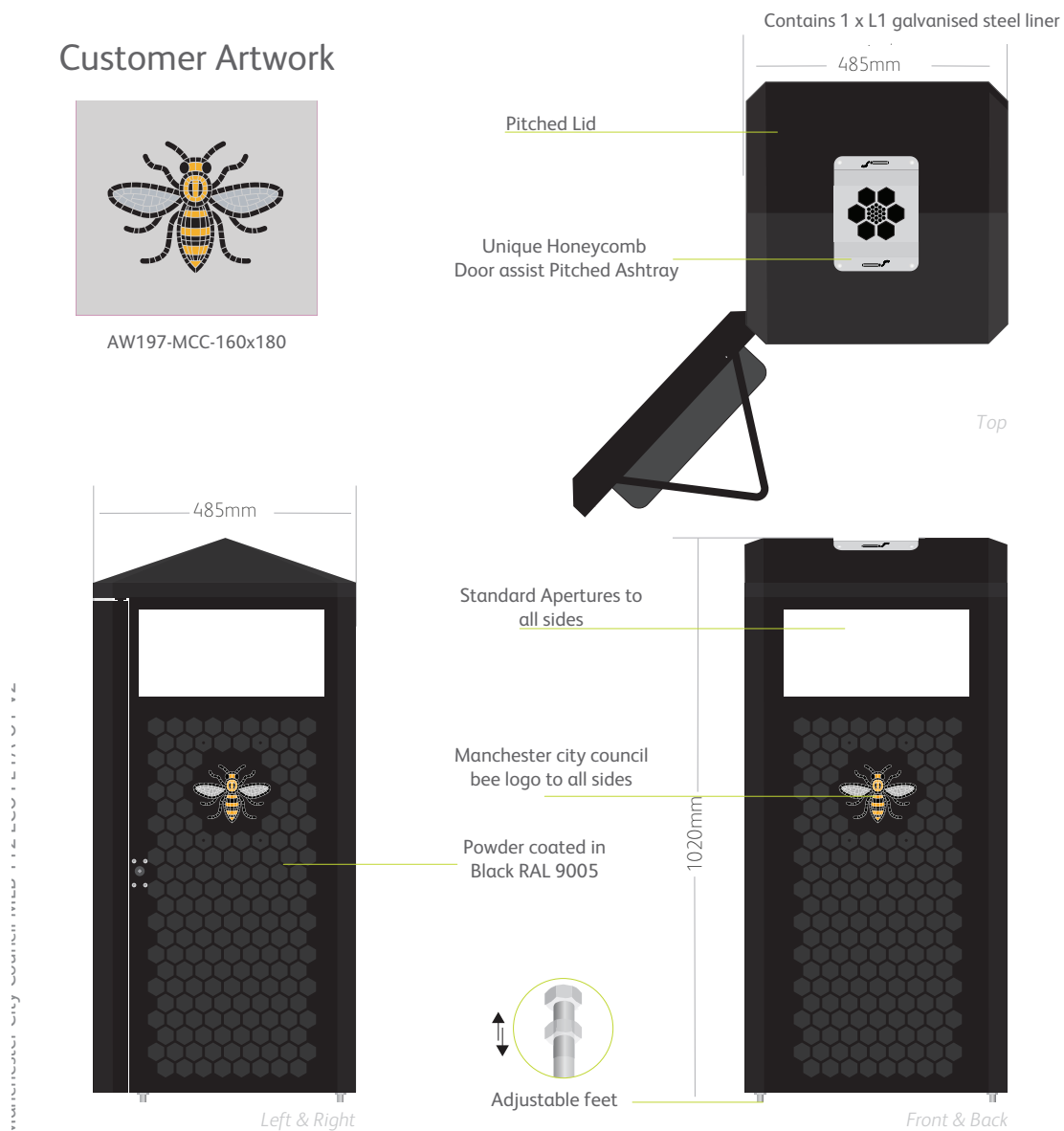
Manchester City Council
Option 1 Version 2

MLB 112 ECO PL DA-PA

Customer Artwork



AW197-MCC-160x180



Suppliers Details

Wybone Ltd

Mason Way, Platts Common Industrial
Estate, Barnsley S74 9TF

Tel: 01226 352333

<https://wybone.co.uk/>

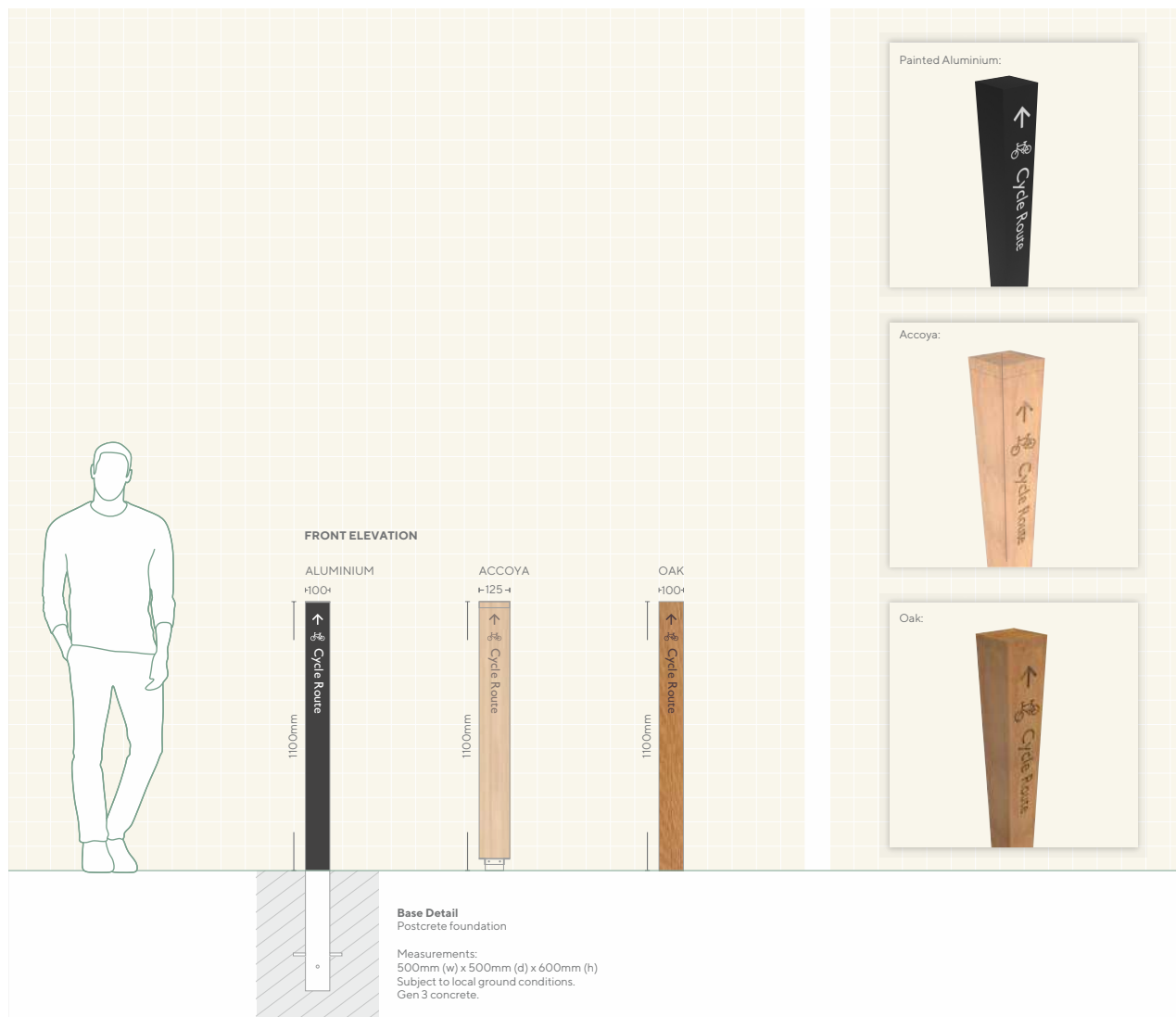
WAY2GO WAYMARKER

Available from isGroup

Signs to be installed at the main pedestrian junctions. Stainless Steel, powder coated and engraved with words.

Requires 500x500x600mm concrete footings.

Dimensions: 1100mm x100mm x100mm.



Colour: RAL 5012 Light Blue



Suppliers Details

IS Group

Park Industrial Estate, Enterprise
House, Unit 1 Aber Rd, Flint CH6
5EX

Tel: 01352 792000

<https://wybone.co.uk/>

BIKE REPAIR STATION

Available from Turvec

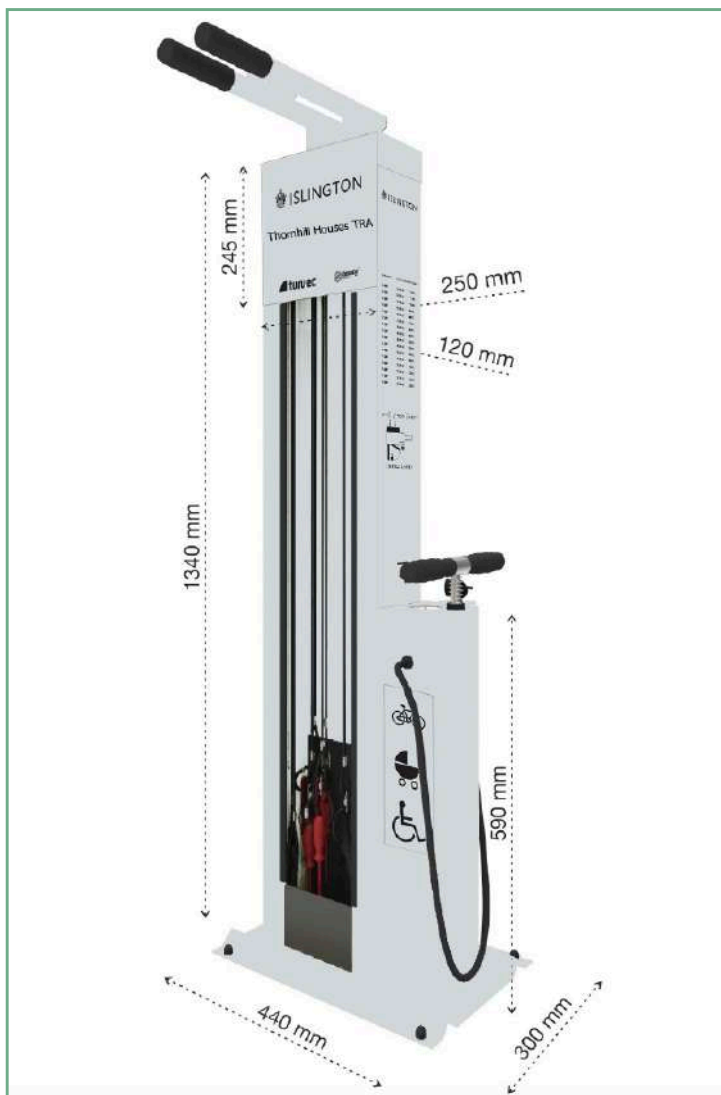
Repair stand including tools and a pump for air. Galvanized steel and powder coated.

Dimensions: 1340x440x300mm. To be fixed into a concrete base.

Colour: RAL 5012 Light Blue



Dimensions



Product details

Product name	Bike Repair Station & Pump
Product code	VEC110
Fixing	Surface mounted
Standard finish	Galvanised steel, powder coated to any standard RAL colour, with branding
Optional finish	Bespoke RAL colour or stainless steel casing
Tools included	Hex key set, phillips screwdriver, flat screwdriver, T25 Torx screwdriver, adjustable spanner, flat wrench 8x10 mm, flat wrench 13x15 mm, tyre levers. All attached with steel ropes
Pump	Integrated pump with pressure gauge up to 10 bar. Schrader and presta valve for all bike types
Branding	Incorporate any company or council logo
Station door	Keyturn door available on request
Weight	~35 kg
Dimensions	1340 x 440 x 300 mm
Installation	All units are delivered pre-assembled and ready to install

Suppliers Details

TURVEC

20 Farringdon St, London EC4A 4BL

Tel: 0800 246 5484

<https://www.turvec.com>

KEY BIKE RACKS

Stainless steel internal structure with an expanded polyurethane foam covering. An extruded aluminum base with a thermal coating finish and anti corrosive protection. Anchored to the paving using two bolts that are part of the structure. Colour:Yellow Sun

Key
Bicycle rack
Lagranja Design. 2007

urbidermis



Materials

High-density polyurethane mass-coloured foam body with an internal AISI 304 stainless steel profile structure or polyethylene body. The cast aluminium base is painted in light grey.

Installation and maintenance

Recommended minimum distance of 60 cm [24 in] between pieces. Anchored to the ground using two bolts. Delivered assembled, packaged. Instructions and anchor bolts are included. No functional maintenance is required.

For further information log onto urbidermis.com

Standards

UNE 41510 , ISO 12944 , UNE EN 1780-2 , UNE EN 576 , DIN 4102 , PSA D47 431.

Finishes

Base



Light grey

Body



Red

Body



Anthracite

Body



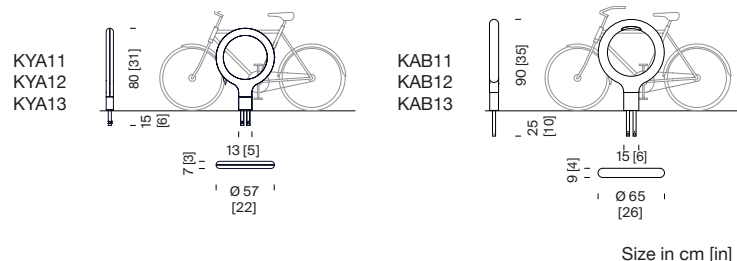
Yellow sun

*The colours shown are merely indicative and may differ from reality. (Other colours available to order)
**Consult finishes for marine environments.

Weight (kg) [lb] (unpacked)

Ø 57: 9 [19.8]

Ø 65: 5.5 [12]



Suppliers Details

TURVEC

Parc de Belloch, C-251, km 5,6, 08430

La Roca del Vallès, Barcelona, Spain

Tel: +34 938 61 91 00

<https://www.urbidermis.com/>

BOLLARDS

Available from BROXAP

Heavy Duty Security Bollard - Express. Diameter: 114mm,

Above ground height: 950mm, Root Length: 300mm.

Hot dip galvanized and root fixed

114mm Heavy Duty Security Bollard - Express

BX14 037-B4-STOCK

With a diameter of 114mm, this steel security bollard is part of our popular range of heavy duty posts. A useful addition to any site, this simple design can be integrated into any project.

Broxap's steel heavy duty [security bollard](#) has been designed and manufactured to assist in all types of outdoor schemes, including access control and traffic management.

Options:

- Hot dip galvanised to BS EN ISO 1461:2009 or powder coated to Jet Black RAL 9005.
- Reflective banding
- For additional sizes and options, please visit [Heavy Duty Security Bollard](#) or [Hazard Bollard](#).

***Please note that these options are made to order and not readily available in stock.**

Price per single root fixed steel bollard, anti corrosion galvanised only.

Dimensions:

- Overall Diameter: 114mm
- Above Ground Height: 950mm
- Root Length: 300mm

Features:

- Galvanised steel body
- Root fixed

Fixing:

- Root fixed (as standard)



Suppliers Details

BROXAP Limited
Rowhurst Industrial Estate,
Chesterton, Newcastle ST5 6BD
Tel: 01782 564411
<https://www.broxap.com/>

4.0 MUSICAL EQUIPMENT

M1 - Rainbow Sambas - Available from Handmade Places

Set of 5 samba drums ranging in sizes XS,S,M,L&XL. Ground fixed and made from plastic in default rainbow colours. Product reference: BX/HMP 650039

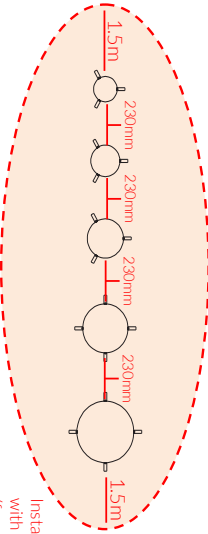


Suppliers Details

Hand Made Places
Loomer Road Industrial Estate,
Chesterton, Rowhurst CI, Newcastle
ST5 6BD
Tel: 01782 571777
<https://www.handmadeplaces.co.uk/>

Installation Instructions

1. Assemble fixing brackets to base of sambas using M8x25mm security screws and lock washers. (1.1)(See Assembly Guide)



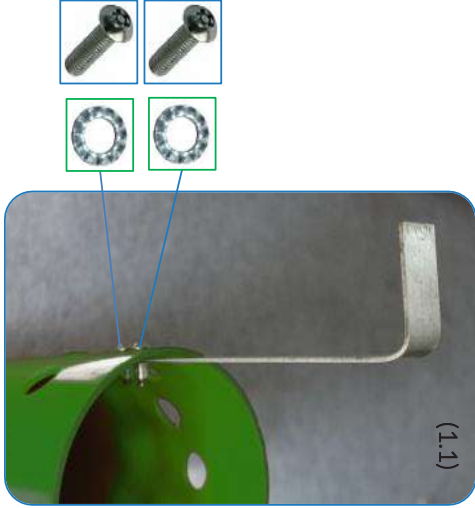
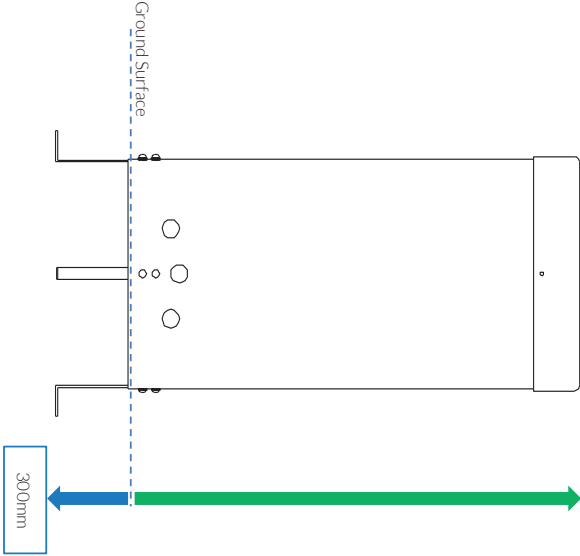
Install instrument with 1.5m free space (from widest point) around it.

2. Arrange Sambas with minimum spacing between each drum at 230mm and mark holes for excavation. Each hole should be 80-100mm larger than the drum itself.

3. Excavate marked holes to 300mm depth making sure the holes have a level base allow the sambas to sit vertical.

4. Once happy with location of the sambas, fill holes using rapid hardening concrete. Be sure to compact concrete around metal brackets and leave to dry according to manufactures guidelines.

Sambas will arrive on site in pre set heights. In ground fixing depth 300mm for all 5 sambas.



Instrument Components:
Rainbow Sambas are pre-assembled

Metric Conversion:
80mm/3"
100mm/4"
230mm/9"
300mm/12"
400mm/16"
450mm/18"
1.5m/59"

Weight of heaviest part 14.6kg (XL Samba)



Played with hands

Ground Fix Components:



44 Kg

M2 - Harmony Bells - Available from Handmade Places

6 Individual Harmony Bells, Major and ground fixed. 300 series stainless steel stems, mirror polished, with tuned aluminum bells and aluminum petals. 2x1 part vandal resistant mallets. Vandal resistant stainless steel fixings.
Product reference: BX/HMP Harmony_Bells



Suppliers Details

Hand Made Places
Loomer Road Industrial Estate,
Chesterton, Rowhurst CI, Newcastle
ST5 6BD
Tel: 01782 571777
<https://www.handmadeplaces.co.uk/>

Installation Instructions

Ground Fixed

Harmony Bells
Page 1 of 3



Instrument
Components:

Metric Conversion:
400mm/ 16"
1650mm/ 64 61/64"
1.5m/ 59"



1. Unpack ground fixing legs
3no.

2. Lay packaging out on floor or assemble on non-abrasive surface to prevent marking of polished stainless steel.

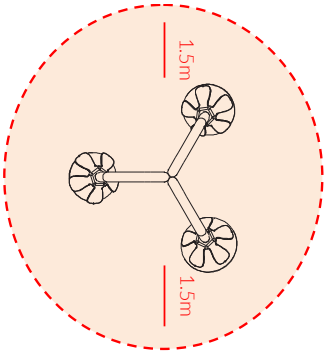
3. Align holes on legs (opposite end to polished domes) and secure in place using 3no. M10 x 200mm threaded bar and 6no. M10 nuts provided
Tools required 2no. 17mm metric spanner/wrench (1 1/16 inch or alternatively using adjustable wrench)

4. Invert assembled frame so Bells are at the top.

5. Excavate a hole for the frame **250mm diameter by 450 deep** in desired location upon decision from customer. (See Ground Fix Post Installation)

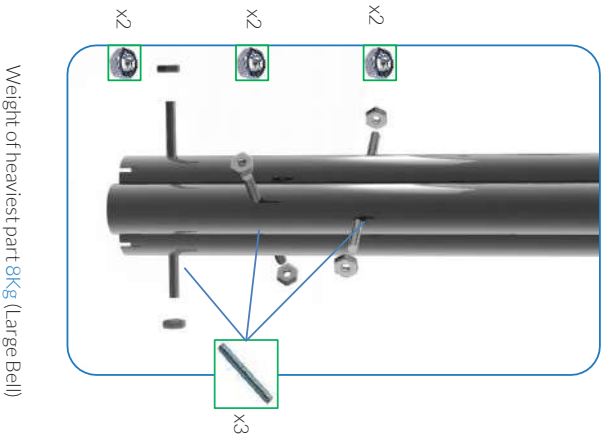
6. Locate (lower) frame into hole making sure that the flowers are level and upright.

5. Once happy with location of the Flowers, **fill** hole using rapid hardening **concrete**. Be sure to compact concrete around legs and leave to dry according to manufactures guidelines.

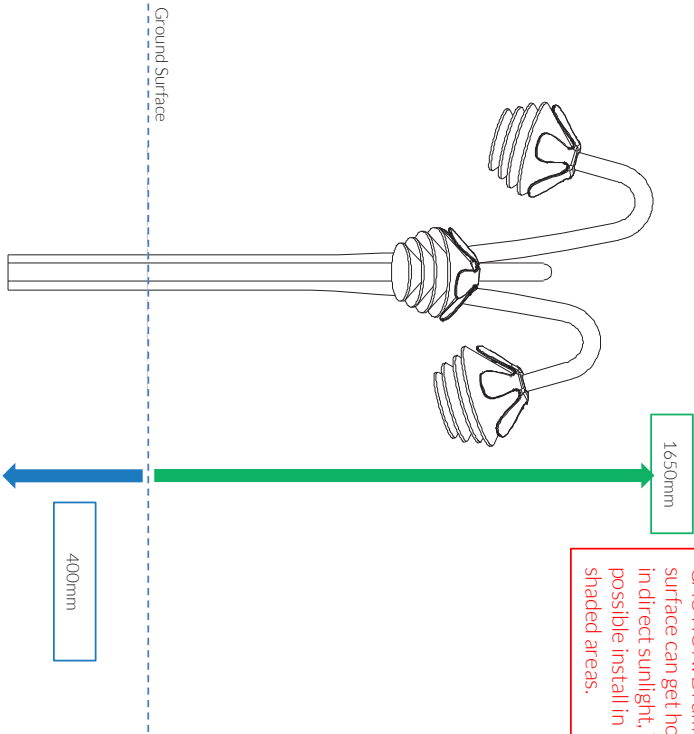


Install
Instrument
with 1.5m free
space (from
widest point)
around it.

CAUTION: Drum surface can get hot in direct sunlight, if possible install in shaded areas.



Weight of heaviest part 8Kg (Large Bell)



Small
Beaters X3

Ground Fix
Components:

x3

x6

M10x200 Threaded bar

M10BZP Nut

24 Kg

M2

MADE IN
BRITAIN
BS EN 1176

M3- Calypso Chimes - Available from Handmade Places

Quatro Arrangement - Cluster of four rainbow colored chimes attached to a single stainless steel post. 1.5m tall and ground fixed. Product reference: BX/HMP 65013



Suppliers Details

Hand Made Places
Loomer Road Industrial Estate,
Chesterton, Rowhurst CI, Newcastle
ST5 6BD
Tel: 01782 571777
<https://www.handmadeplaces.co.uk/>

Installation Instructions

Ground Fixed

Calypso Chimes

Page 1 of 4



Instrument Components Per Post:

x4

M6x20 Security Screw

x1

M6 Saddle Strap

x2

M6 Square Nut

x1

Beater Holder

Metric Conversion:

250mm/ 10"

400mm/ 16"

450mm/ 18"

1510mm/ 59"

1195mm/ 47 3/64"

1.5m/ 59"

M3



Weight of heaviest part 7.5kg

1. Instrument will arrive on site fully assembled. **(1.1)** (See Assembly Guide)

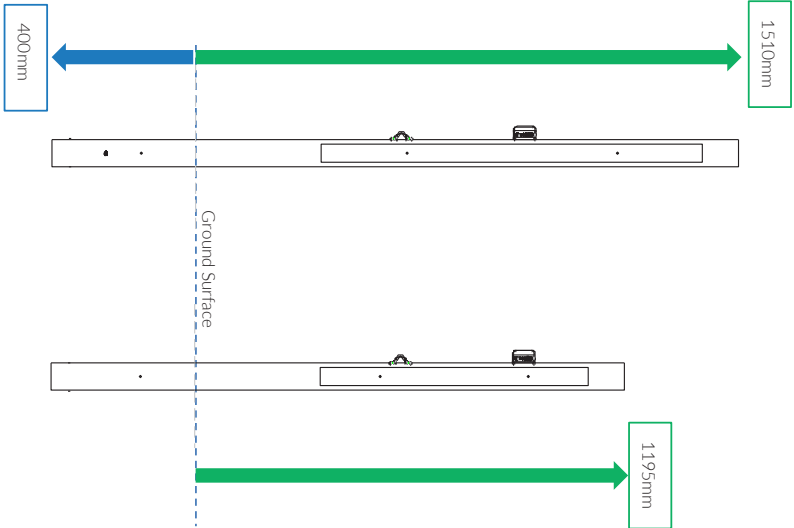
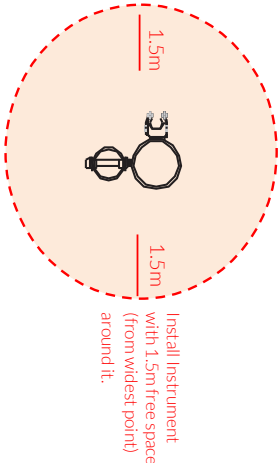
2. Attach Ground Fixing studs holes in base of centre post **(1.2)** (See Ground Fix Post Installation Sheet)

3. Excavate **1** hole for the Steel legs **250mm diameter** by **450mm deep** in desired location upon decision from customer.

4. Locate (lower) leg into hole, making sure it is vertical and level prior to concreting in place.

5. Once happy with location of the Instrument, **fill** holes using rapid hardening **concrete**. Be sure to compact concrete around legs and leave to dry according to manufactures guidelines.

6. Attach the holder, beater and the saddle strap on each side of the post. **(1.3)**



Single Small Red Beaters X1

Ground Fix Components Per Post:

x2

x4

M10x200 Bolt

M10 Nut

8 Kg

M4- Emperor Chimes - Available from Handmade Places

Set of 6 Chimes -300 series capped stainless steel internal support poles, Silver anodized aluminum chimes, Vandal resistant 300 series stainless steel fixings. 2.5m tall and ground fixed.

Product reference: BX/HMP 65011



Suppliers Details

Hand Made Places
Loomer Road Industrial Estate,
Chesterton, Rowhurst CI, Newcastle
ST5 6BD
Tel: 01782 571777
<https://www.handmadeplaces.co.uk/>

Installation Instructions

Ground Fixed

Emperor Chimes

Page 1 of 2



Instrument Components:

Emperor Chimes are pre-assembled

Metric Conversion:
100mm/4"
250mm/10"
600mm/24"
1.5m/59"
1785mm/70"
2490mm/98"

M4



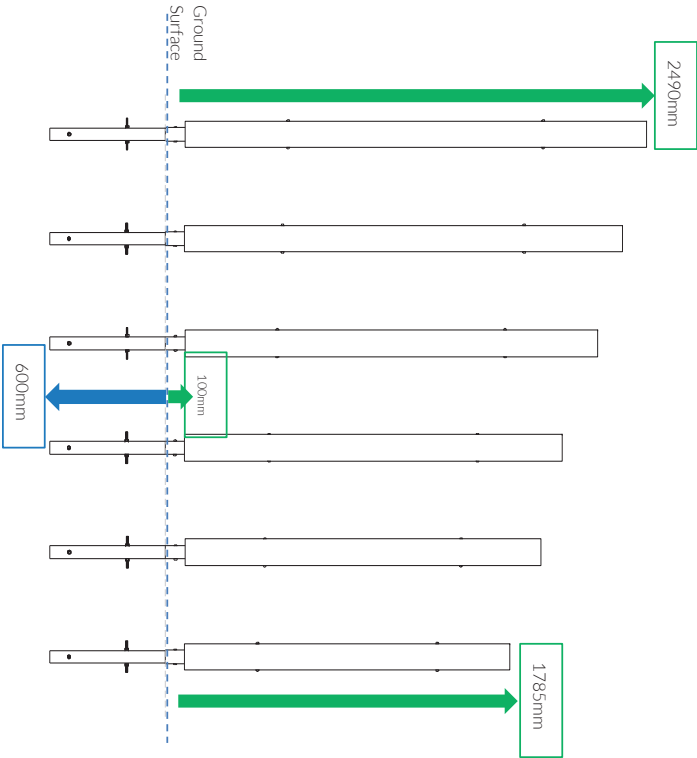
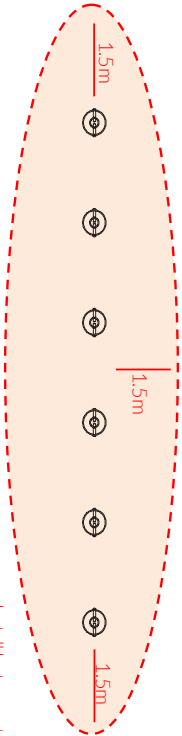
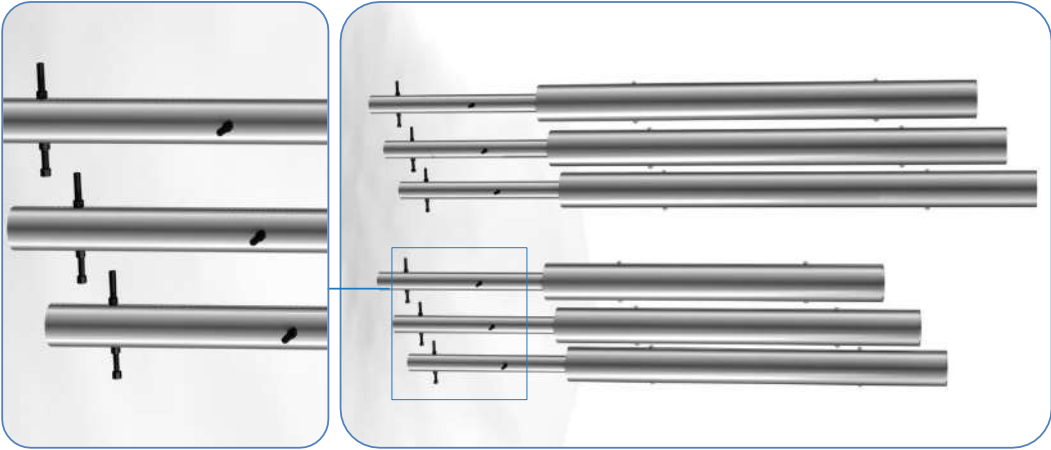
1. Attach Ground Fixing posts to legs(1.2)(See Ground Fix Post Installation Sheet)

2. Excavate 6 holes for Emperor chimes 250mm diameter by 600mm deep in desired location upon decision from customer.

3. Locate (lower) legs into holes making sure they are vertical and level prior to concreting in place. Chimes should be 100mm from ground surface.

4. Once happy with location of the chimes, fill holes using rapid hardening concrete. Be sure to compact concrete around legs and leave to dry according to manufactures guidelines.

Weight of heaviest part 25kg (XL Chime)



Played with hands

Ground Fix Components:



x12



x24



x6



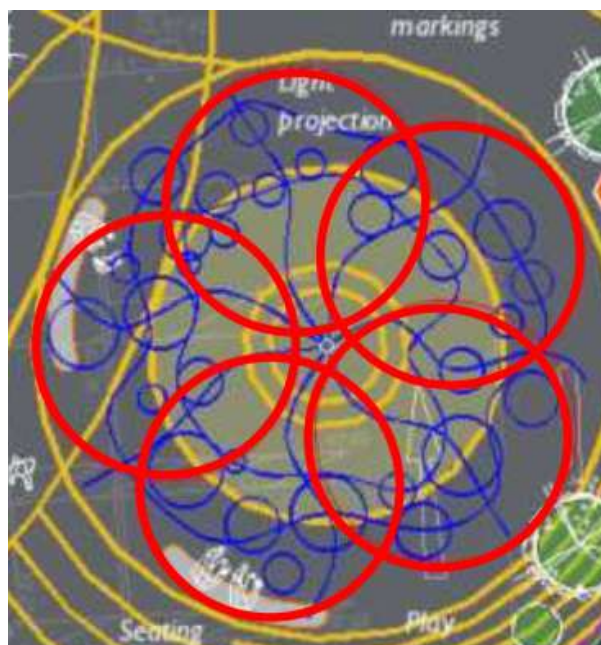
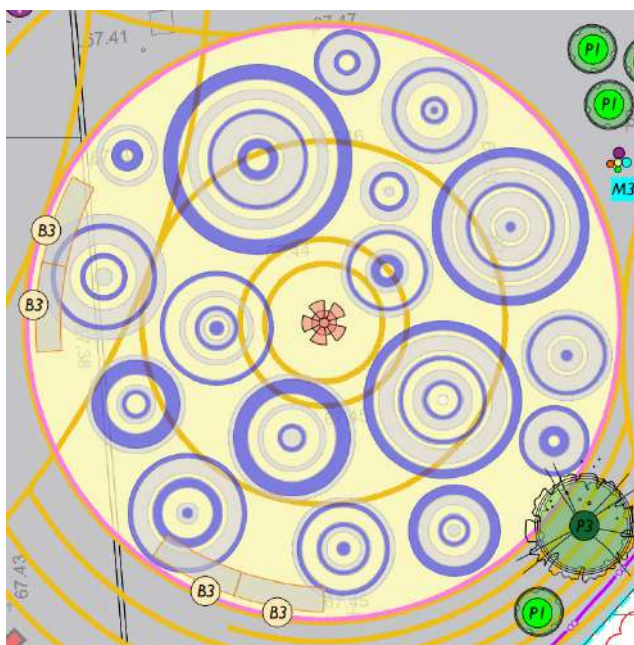
x6

117 Kg

5.0 GOBO LIGHTING

One 8m high column with 5 projectors and the WHITE LIGHT, this will have a bespoke pattern (white/blue) of droplets designed by the manufacturer

FLC201 LED

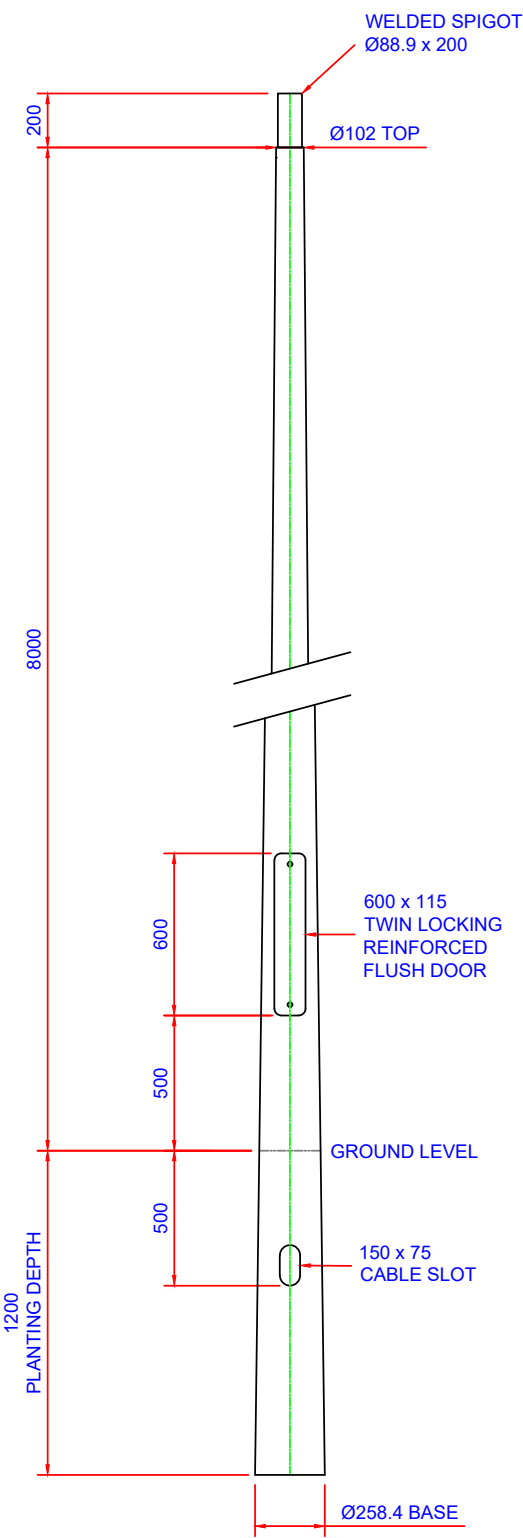


Suppliers Details

Fagerhult Lighting Ltd
33-34 Dolben St, London SE1 0UQ
Tel: 020 7403 4123
<https://www.fagerhult.com/en-GB/>

8M COLUMN

RAL: 9006 WHITE ALUMINIUM



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we-ef lighting UK; Lowry Mill, Lees Street, Swinton, Manchester, M27 6DB; Tel: +44 (0)161 518 2900, www.we-ef.com

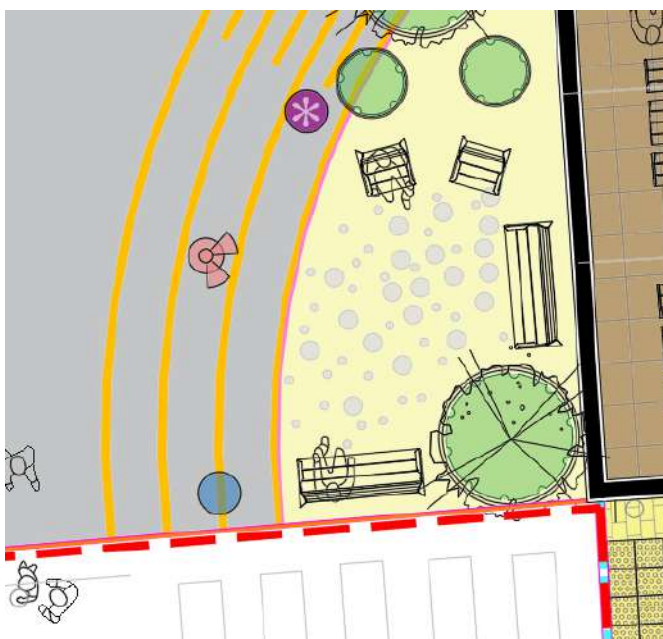
			--	
00	ISSUED FOR INFORMATION/APPROVAL	TC	--	03/09/24
Revision:	Description:	By:	Chk'd:	Date:
CC10864 8m C17R Conical Column Planted Root With Flush Door & Ø88.9 Spigot		Weights (kg): --		
		Sheet: 1 of 1	SCALE: NTS	
Finish:	GALV TO BSEN1461 & FINISHED TO ORDER	Drawn:	Chkd/Appd:	
we-ef	Material:	TC	--	
	Drawn:	Date:	Date:	
	Tol:	03/09/24	--	

One 5m high column with 2 projectors and the WHITE LIGHT to create a dappled shade style projection (off the shelf insert).

FLC201 LED



670-720lm

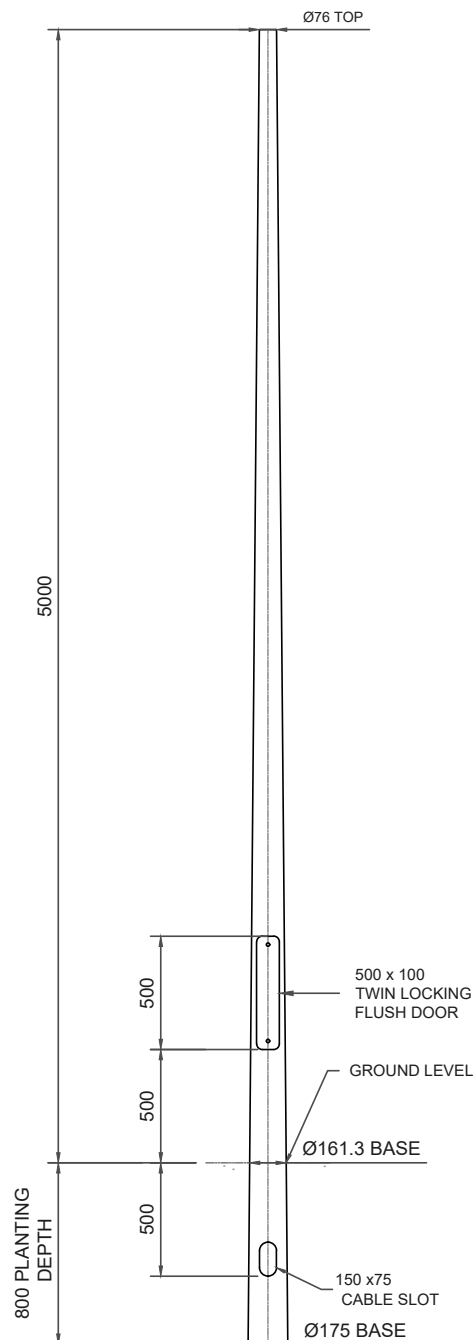


Suppliers Details

Fagerhult Lighting Ltd
33-34 Dolben St, London SE1 0UQ
Tel: 020 7403 4123
<https://www.fagerhult.com/en-GB/>

5M COLUMN

RAL: 9006 WHITE
ALUMINIUM



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00	ISSUED FOR INFORMATION/APPROVAL	TC	--	21/10/21
Revision:	Description:	By:	Chk'd:	Date:
CC10038-7 5m C17 Conical column With Flush Door & Planted Root		Weights (kg): --		
Finish: GALV TO BSEN1461 & FINISHED TO ORDER		Sheet: 1 of 1	SCALE: NTS	
we-ef		Drawn: TC	Chkd/Appd: --	
		Date: 21/10/21	Date: --	
		Tol:		

6.0 CHRISTMASTREE

Proposed Christmas Tree to comprise a real mature tree set within the hard landscape and planted into an underground tree cell system to provide a suitable growing environment. Size: 450-500cm (120 x 100cm root mass)

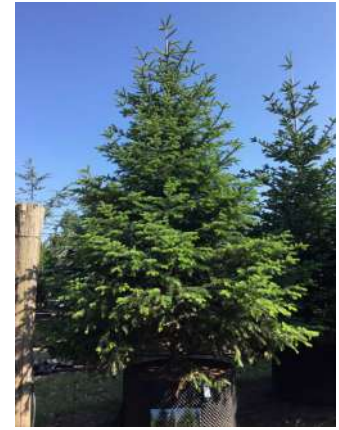
ABIES NOMANNIANA



Example of a Circular Resi-Grille



Example of a 8m high Abies Normandia, Supplied with a 1.2m x 1m Rootball



MANUFACTURER DETAILS

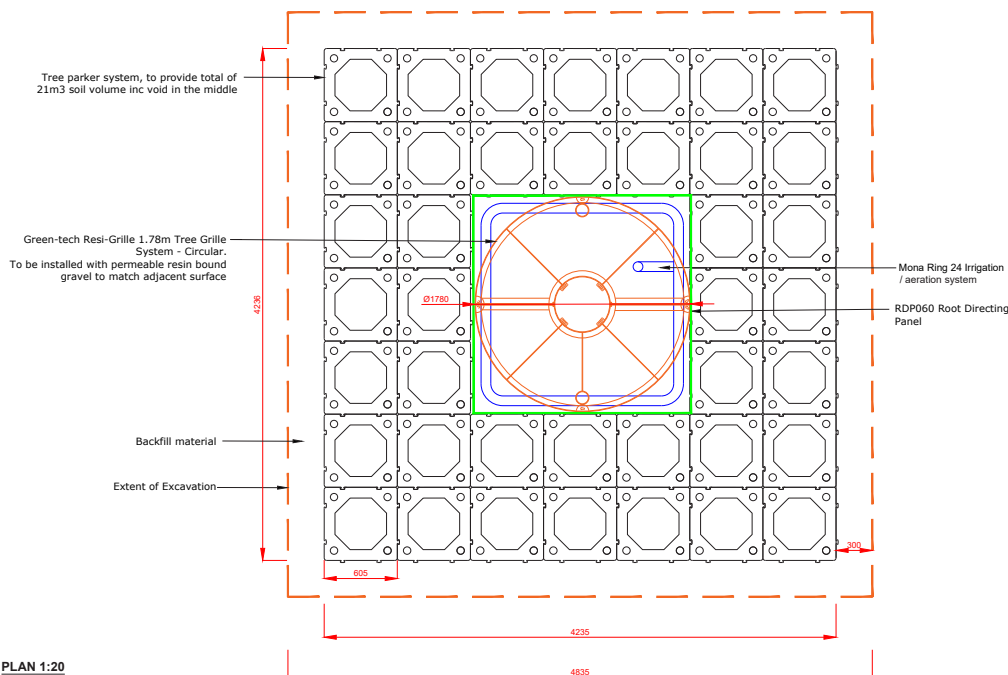
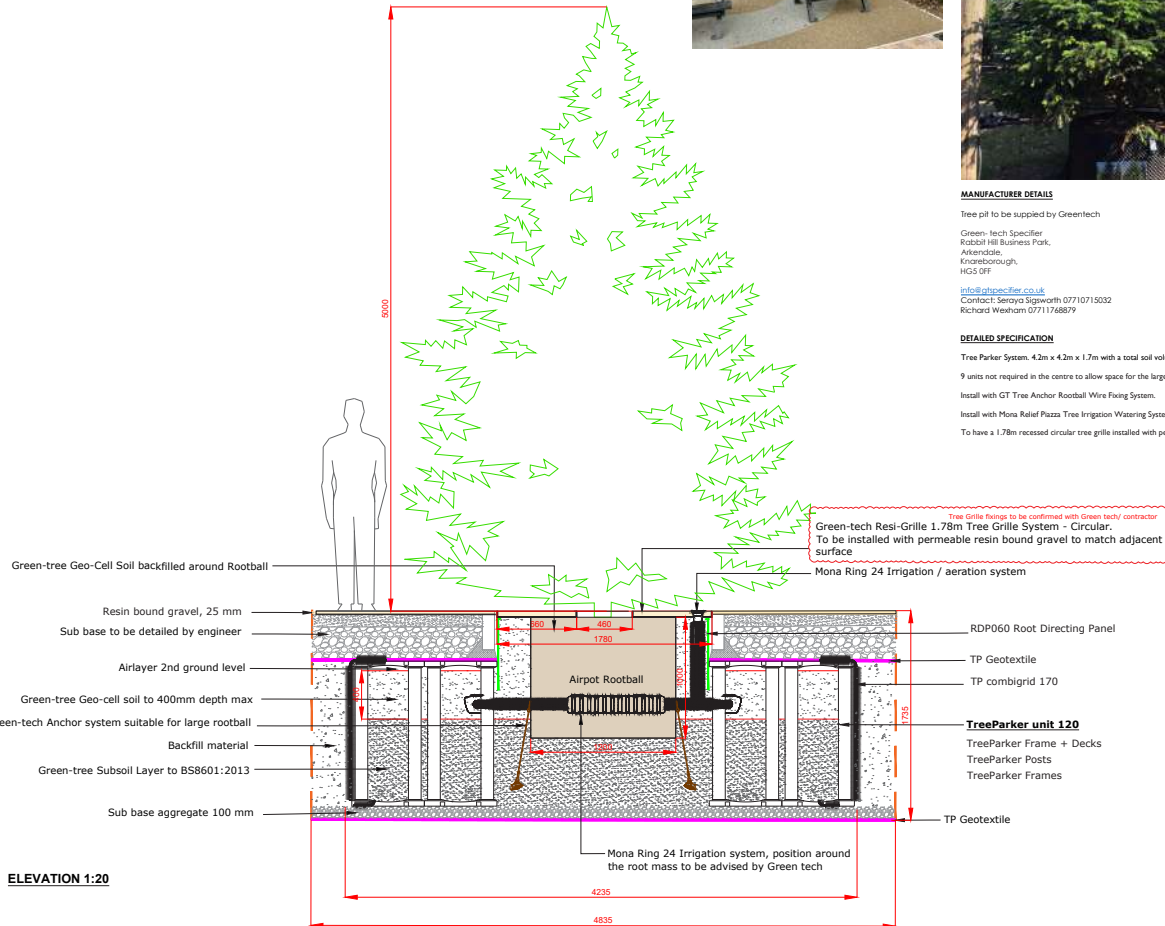
Tree pit to be supplied by Greentech

Green-tech Specifier
Robb Hill Business Park,
Alkernside,
Knebworth, Herts SG9 6PP

info@ab-specifier.co.uk
Contact: Saraya Sigsworth 07710715032
Richard Westham 07711768879

DETAILED SPECIFICATION

Tree Parker System. 4.2m x 4.2m x 1.7m with a total soil volume of 21m³.
9 units not required in the centre to allow space for the larger root ball.
Install with GT Tree Anchor Rootball Wire Fixing System.
Install with Mona Relief Plaza Tree Irrigation Watering System.
To have a 1.78m recessed circular tree grille installed with permeable resin.



dep LANDSCAPE ARCHITECTURE LTD
1 COMMERCIAL STREET
MANCHESTER, M15 4RQ
T: 0161 2419878
E: info@dep.co.uk
W: www.dep.co.uk

Client
Manchester City Council

Project
Gorton Square

Description
CHRISTMAS TREE PIT DETAIL

Status
Tender

Scale
1:20@A1

Job number
5493

Drawing number
15

Date
DEC24

Copyright DEP Landscape Architecture Ltd

All levels and dimensions to be checked on site by contractor prior to commencement. Any variation to be reported to the client. This drawing is to be read in conjunction with all other drawings to the project and all information derived accordingly. Any variations to be reported to the client. Do not scale from this drawing. Use figure dimensions only. Work shown on this drawing to be carried out in accordance with current British Standards and Codes of Practice.

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TREE PIT - Available from Green Tech

RESI-GRILLE

Recessed tree grille installed with permeable resin.



TREE PARKER SYSTEM

Tree Parker System, 4.2m x 4.2m x 1.7m with a soil volume of 21m³. 9 units not required in the centre to allow space for the larger root ball.

Install with GT Tree Anchor Rootball Wire Fixing System and Mona Relief Piazza Tree Irrigation Watering System

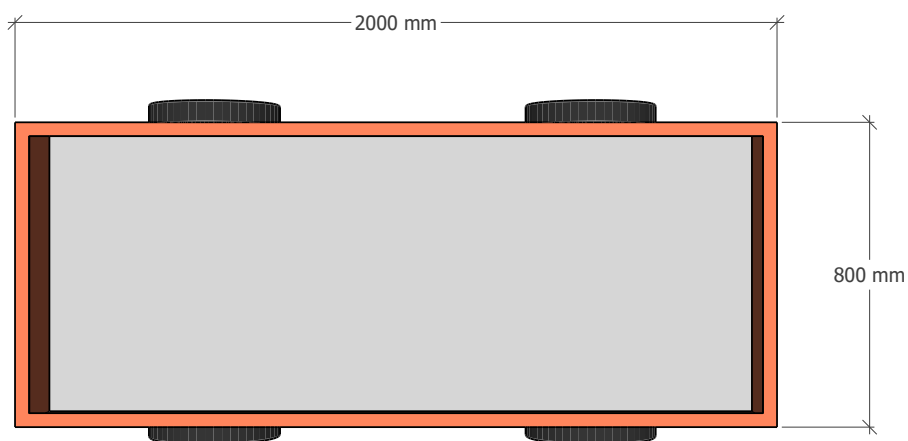
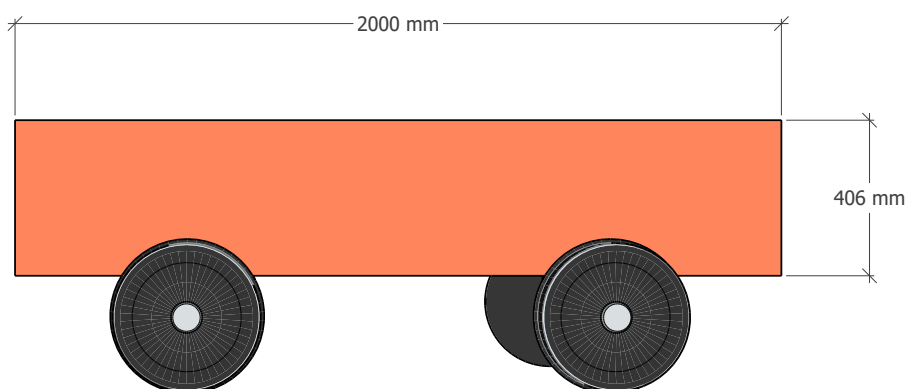
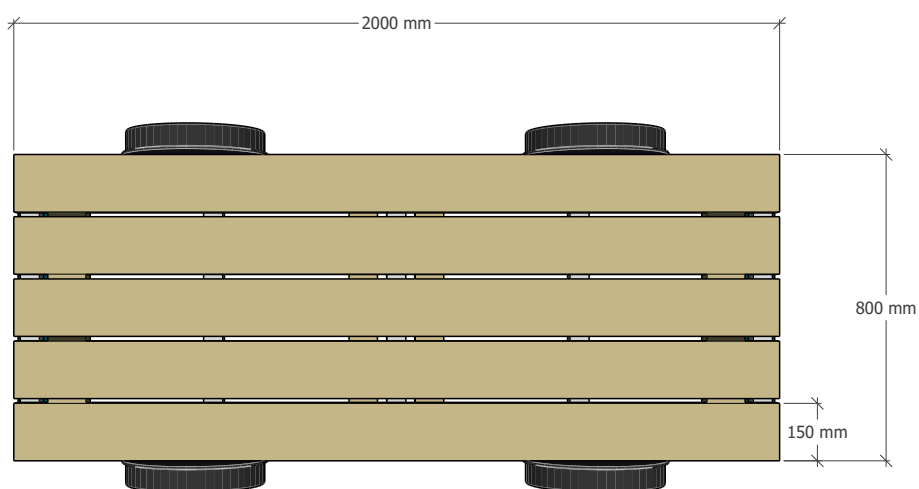
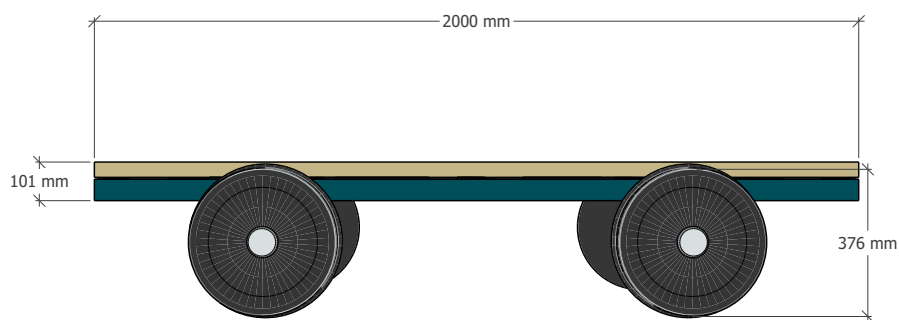


Suppliers Details

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7.0 CARRIAGE FEATURE

DIMENSIONS



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