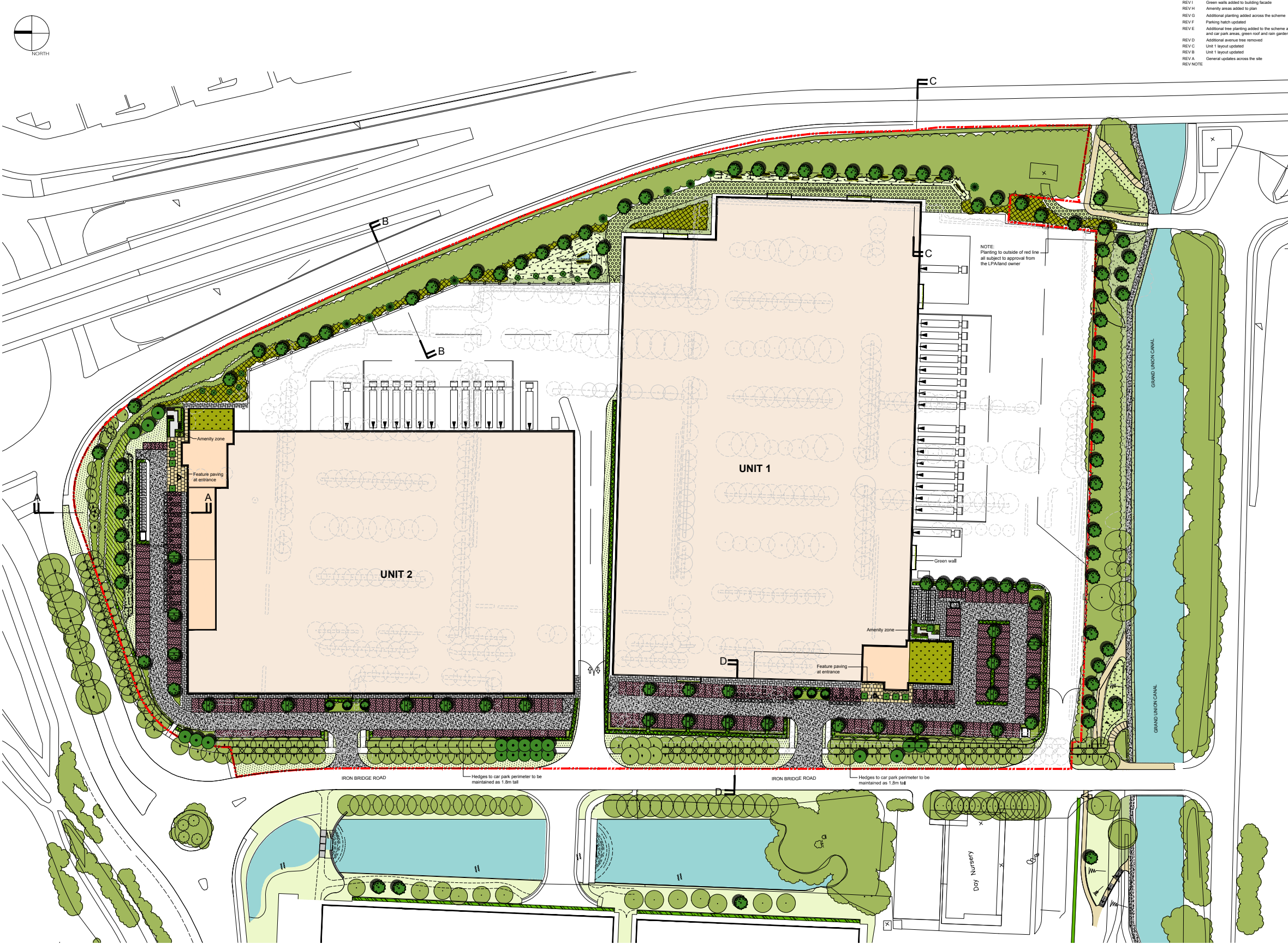


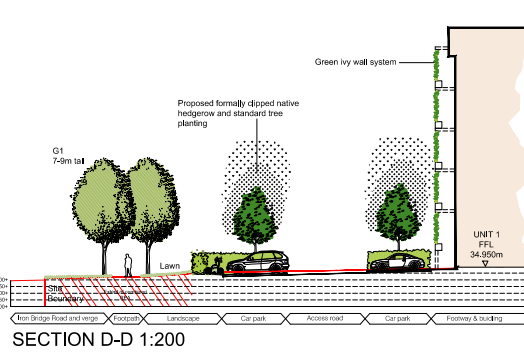
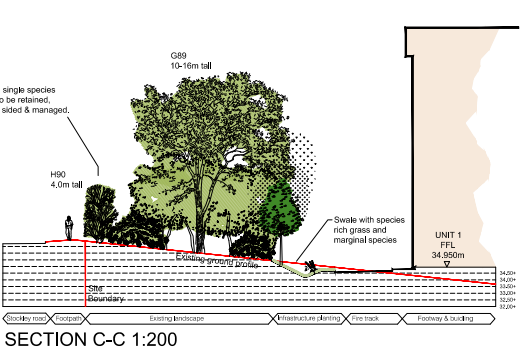
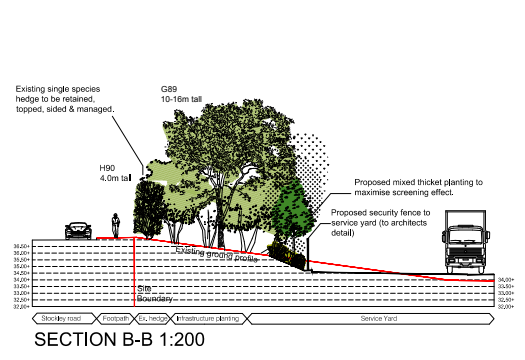
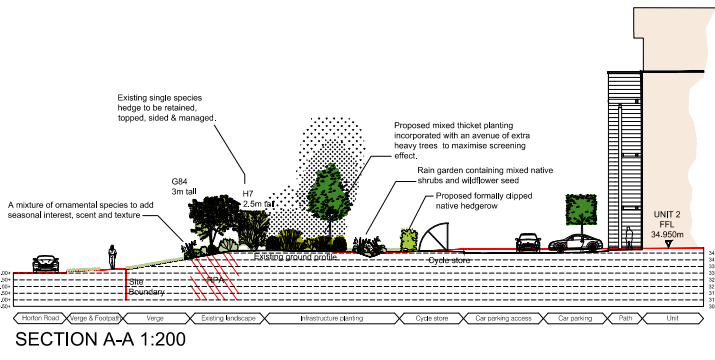
APPENDICES

APPENDIX 1

Landscape Concept Drawing



KEY	
EXISTING TREES AND HEDGEROWS TO BE RETAINED (Refer to the Pre Development Tree Survey for detail)	PROPOSED CONIFEROUS TREES (Tree pot size: 1000x1000x750mm) 2.0-2.5m height 4x transplanted Rootballed
EXISTING TREES AND HEDGEROWS TO BE REMOVED (Refer to the Pre Development Tree Survey for detail)	EXTRA HEAVY STANDARD TREES (Tree pot size: 1500x1500x900mm) 18-20cm stem girth 4.5-6.5m height 1.8-2.1m clear stem Rootballed
SEMI-MATURE TREE (Tree pot size: 2000x2000x1000mm) 25-30cm stem girth 6.0-7.0m height 2.5m clear stem Rootballed	FASTIGIATE TREES (1500x1500x900mm tree pit) Fully bushy 3.5-4.0m height 5x transplanted Rootballed
FEATHERED TREES 2.1-2.4m height 6-8cm stem girth Well furnished with lateral shoots to the base	QUERCUS
PROPOSED FORMALLY CLIPPED BOX HEADED TREES 3.5-4.0m height 1.2x1.2x1.5m high canopy 2.0-2.5m clear stem Rootballed	QUERCUS
PROPOSED FORMAL NATIVE HEDGE (300mm depth of topsoil) Planted at 450mm centres in a double staggered row. Rows to be 500mm apart	QUERCUS
PROPOSED INDIGENOUS HEDGEROW (300mm depth of topsoil) Planted at 450mm centres in a double staggered row. Rows to be 500mm apart	QUERCUS
PROPOSED THICKET MIX PLANTING (300mm depth of topsoil) Where thicket is planted next to a hard surface/kerb/edge, it should be positioned 1m from the edge	QUERCUS
PROPOSED SPECIMEN SHRUBS (300mm depth of topsoil)	QUERCUS
PROPOSED ORNAMENTAL SHRUB PLANTING (300mm depth of topsoil) Ultimate plant height is above 1m	QUERCUS
PROPOSED ORNAMENTAL GROUND COVER SHRUB PLANTING (300mm depth of topsoil) Ultimate plant height is below 1m	QUERCUS
PROPOSED AMENITY GRASS AREAS (150mm depth of topsoil)	QUERCUS
PROPOSED ECOLOGICAL GRASSLAND AREAS (150mm depth of topsoil)	QUERCUS
PROPOSED INUNDATION GRASSLAND AREAS (Cultivated subsoil to a depth of 200mm) EP1 - Pond edge measure down at 450mm supplied by Emogate Seeds	QUERCUS
PROPOSED MARGINAL PLANTING (Cultivated subsoil to a depth of 200mm)	QUERCUS
PROPOSED REED BED (Cultivated subsoil to a depth of 200mm) 100% Phragmites australis 9cm pot 5000's 0-900mm	QUERCUS
PROPOSED CLIMBING WIRES 3x3m panels of stainless steel wire @500mm vertical/horizontal centres secured to chair faced security fence To be planted up with 15L climbers	QUERCUS
PROPOSED GREEN ROOF (Built up height of 150-200mm consisting of substrate blend of organic/organic lightweight growing medium, filter sheet, drainage layer and protection fleece) To be a combination of seeding and plug planting as shown on the drawing	QUERCUS
PROPOSED RAIN GARDEN To be planted with a mix of native shrub species and wildflower seed mix	QUERCUS
PROPOSED TIMBER POST AND 3 RAIL FENCE To incorporate maintenance access gates as required	QUERCUS
INDICATIVE CONTOURS	QUERCUS



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DRAWING
LANDSCAPE CONCEPT PLAN

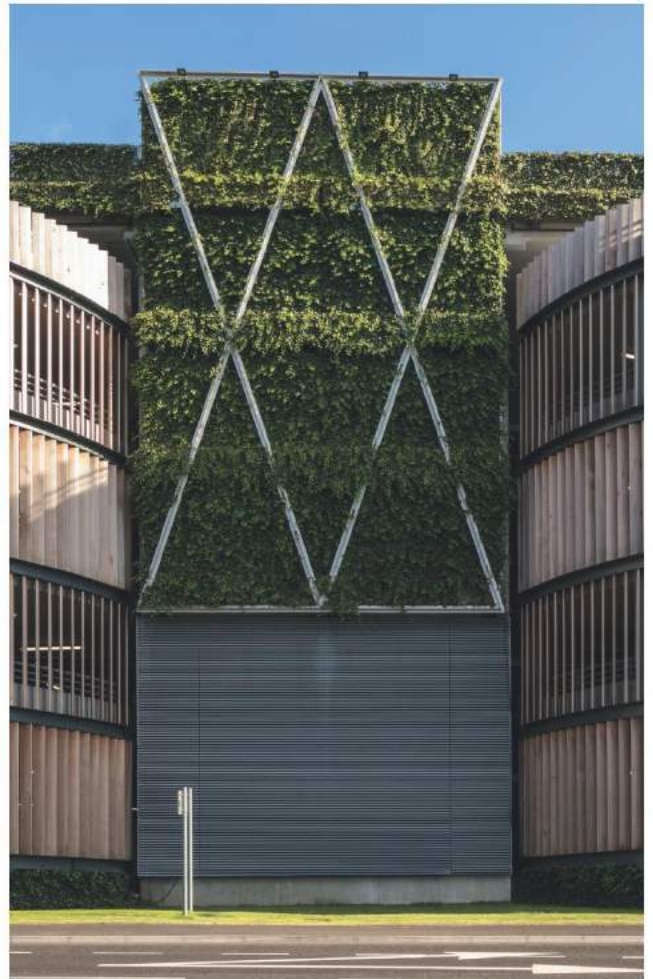
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APPENDIX 2

Green Wall System Details



FACTS

WallPlanter is a unique green wall system. The basic element is an aluminium planter, consisting of aluminium planters that contain fully grown Mobilane green screens. A load-bearing structure is installed on the building, then the planters with green screens are attached to this structure. This creates an instant green façade on new and existing walls. WallPlanter includes a small automated irrigation and drainage system that supplies water and nutrients to the green screens. The automated watering system means that the WallPlanter only requires minimal maintenance.

BENEFITS

- Introduces green to grey areas
- Improves the living environment
- Increases property prices
- Low maintenance
- Improves air quality through fine dust absorption and CO2 conversion
- Prevents graffiti
- Noise reduction
- Efficient use of space

FEATURES

- Unique green façade wall system
- Low water consumption
- Fully recyclable
- Instant greenery
- Two-sided greenery (car parks)

Outdoor	Car park	Hotel
School	Hospital	Shopping centre

TECHNICAL INFORMATION

DIMENSIONS

The dimensions of the standard planter are as follows: 50 x 50 x 390 cm (w x h x l). Other lengths (260 cm, 130 cm and custom-made dimensions) are available on request.

HEIGHT OF EACH ELEMENT

The green screens in the planters can be up to 220 cm high. The total height of an element (including planter and support points) is 285 cm.

WEIGHT

The total weight of a standard planter with green screens measuring 390 cm in length and 220 cm in height is 1450 kg (at maximum saturation). This equates to approximately 140 kg per square metre of green wall surface.

SUPPORT STRUCTURE

A robust support structure is required to bear the weight of the WallPlanter elements. Depending on the load-bearing characteristics of the façade and the foundations of the building, the support structure can be attached to the façade, set on the ground or integrated into the structure that bears the building.

PLANTER INSTALLATION

The planters must be installed on the bearing structure with a crane.

IRRIGATION

An irrigation system provides water and nutrients to every planter. Drainage is included in every planter to prevent excess water accumulation in the planter (e.g. after heavy rainfall). The drainage removes excess water and supplies the plant roots with oxygen.

TECHNICAL ROOM

A technical room of approximately 4 m² is required to supply water and nutrients to the planters. The ideal location for the technical room is near the green façade.

PLANTERS

The planters are made of high-quality aluminium with drainage on all sides and an insulation layer including drainage at the bottom. The planters can be supplied in any RAL colour on request.



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APPENDIX 3

Bat, Bird and Hedgehog Provisions

Bat Boxes

Schwegler bat boxes are made from woodcrete and have the highest rates of occupation of all types of box.

The 75% wood sawdust, clay and concrete mixture is ideal, being durable whilst allowing natural respiration and temperature stability. These boxes are rot- and predator-proof and extremely long lasting.



1FF Bat Box

The rectangular shape makes the 1FF suitable for attaching to the sides of buildings or on sites such as bridges, though it may also be used on trees. It has a narrow crevice-like internal space to attract Pipistrelle and Noctule bats.

Woodcrete construction.

Width: 27cm

Height: 43cm

Weight: 8.3kg

Bat Box 2FE Wall-Mounted Bat Shelter

This box can either be fixed to an exterior wall to provide a summer hideaway for bats, or it can be installed inside buildings to provide winter hibernation quarters. Among other species, Pipistrelles, Barbastelle and Whiskered Bat are known to use this box type as a daytime roost in summer.

Daubenton's Bat, Natterer's Bat and Brown Long-eared Bat will also use it, often sleeping together in small groups. The 2FE is a very effective, simple and cost-effective solution for providing crevice-roosting bats with a place to hide away.

Woodcrete construction

Height: 300mm

Width: 250mm

Depth: 80mm

Weight: 2.5kg

Please note that this box is designed to be fitted to a building wall rather than any weaker structure.



Bird Boxes

Schwegler bird boxes have the highest rates of occupation of all types of box. They are designed to mimic natural nest sites and provide a stable environment with the right thermal properties for chick rearing and winter roosting. Boxes are made from woodcrete. This 75% wood sawdust, clay and concrete mixture is breathable and very durable making these bird boxes extremely long lasting.



1B Bird Box

This is the most popular box for garden birds and appeals to a wide range of species. The box can be hung from a branch or nailed to the trunk of a tree with a 'tree-friendly' aluminium nail.

Available in four colours and three entrance hole sizes (26mm for small Tits, 32mm standard size, and oval for Redstarts).



1N Deep Nest Box

A deeper than standard nest box which is ideal for Robins, Spotted Flycatchers, Pied Wagtails, Tits and Sparrows. Its depth offers protection from cats, Magpies, Jays and Martens.

*Two entrance holes, 30mm x 50mm.
Nesting area: 15cm x 21cm.*

Bird Boxes

2GR Nest Box

Owing to the special design of the large nesting area and front panel, this box is especially well protected against predators.

Available with a single oval entrance hole or as shown with three 27mm holes for small Tits. Nesting area: 14cm x 19cm.



Sparrow Terrace



House sparrows are gregarious and prefer to nest close to each other, so this woodcrete box provides room for three families under one roof. Made from long-lasting, breathable woodcrete. No maintenance required.

Colour: stone or brown.

Dimensions: 245mm x 430mm x 200 mm.

Weight: 15 kg.

Designed for fixing to walls (not suitable for fences or sheds due to the weight of the box).

Hedgehog Gateways

A 13 x 13 cm section cut out at the base of the gravel board or directly into the fence panel creating links between residential gardens and the surrounding landscape.

This will facilitate the dispersal of Hedgehogs and other small animals and enhance the permeability of the new development for wildlife.





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