

recommendation from the Ecological Report by BE Ecological Ltd - Issue 1, Revision A dated 12/10/22

1. Two bat access slates will be installed on the western pitch of the roof <https://www.nhbs.com/habitat-bat-access-slate> to allow the bat to gain access to the roof where it does currently. As the property is to be re-roofed only, the bat will continue to have access to the whole of the roof that it does currently.



Habitat Bat Access Slate

Dimensions: (H) 418 x (W) 375 x (D) 80mm
Entrance hole dimensions: (H) 20 x (W) 100mm
Weight: 1.5kg

Correct placement of Habitatbat is fundamental to the successful uptake by bats.

Orientation - Temperature is known to be the major factor influencing successful uptake of artificial roost by bats. In general, bats seek warm spaces to help them with rearing young. For this reason, Habitatbat should be located where it will receive the maximum amount of sunlight. In the northern hemisphere this will be the southerly aspects/orientation (south, south-west and south-east).

Height - Position Habitatbat a minimum of 2 metres but preferably 5 to 7 metres above ground. Avoid placement above windows, doors and wall climbing plants, thereby reducing the likelihood of predation by cats. A position near the eaves or gable apex of the property would be preferable.

Landscape considerations - To make Habitatbat a potential roost for a wider range of bat species, it is helpful to consider whether there is nearby linear vegetation features such as hedges and treelines. This is because some bat species use these features for navigation between their roosting site and feeding ground and to avoid flying in open and exposed areas.

2. Two Schwegler 1FF bat boxes will be attached to retained vegetation to the rear of the site. Should the 1FF prove difficult to source, an eco bat box (previce box) <https://www.nhbs.com/title/slug=eco-bat-box> will be installed in its place. One of these bat boxes will be used as temporary mitigation and the other as an enhancement. Both will be retained in situ. The bat boxes will be positioned at a height of no less than 3.5m from the ground and will face either south or east.



Schwegler 1FF Bat Box With Built-in Wooden Rear Panel

Dimensions: 43cm x 27cm x 14cm (H x W x D)
Entrance hole dimensions: 12cm x 24cm
Weight: 8.5kg
Material: Schwegler Woodcrete
Colour: Black with stable hard-wearing wooden insert
Supplied with: Galvanised steel hanger and aluminium tree-friendly nail

- Installation Height: The 1FF bat box can be sited in trees or on buildings and is best positioned at a height of between 4m and 6m. Please note that once bats have inhabited a roost or nursery site they may only be disturbed by licensed bat workers.

3. A Schwegler 1SP Sparrow Terrace or the following <https://www.nhbs.com/sparrow-terrace-nest-box> will be attached to the eastern elevation of the property.



Schwegler 1SP Sparrow Terrace

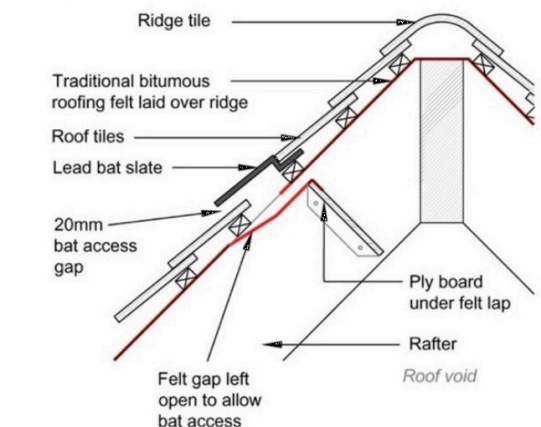
Dimensions (brood chamber): 16cm x 10.5cm x 15cm (H x W x D)
Dimensions (external): 24.5 cm x 43cm x 20cm (H x W x D)
Weight: 15kg

Ideally place the terrace 2m or more above the ground. Either install on the surface of the wall using the plugs and screws provided, or install directly into the wall. Cleaning is advisable but not necessary, and the front panel can be removed by turning the screw hook.

Due to its weight, it is not suitable for fences or garden sheds.

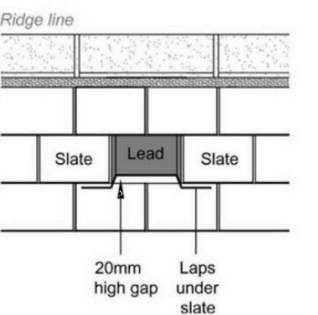
BAT ACCESS 'SLATE'
DETAIL 1B - with access to roof void

SECTION: BAT ACCESS 'SLATE' 1B
Not to scale



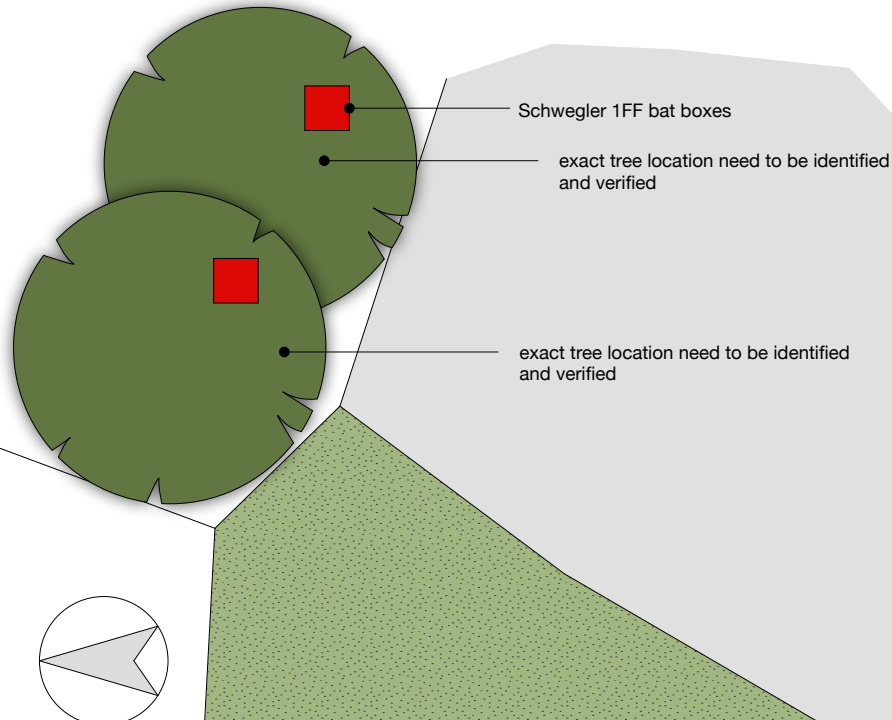
Elevation: BAT ACCESS 'SLATE' DETAIL 1B
Not to scale

Bat slate built into slope



Photograph of bat slate



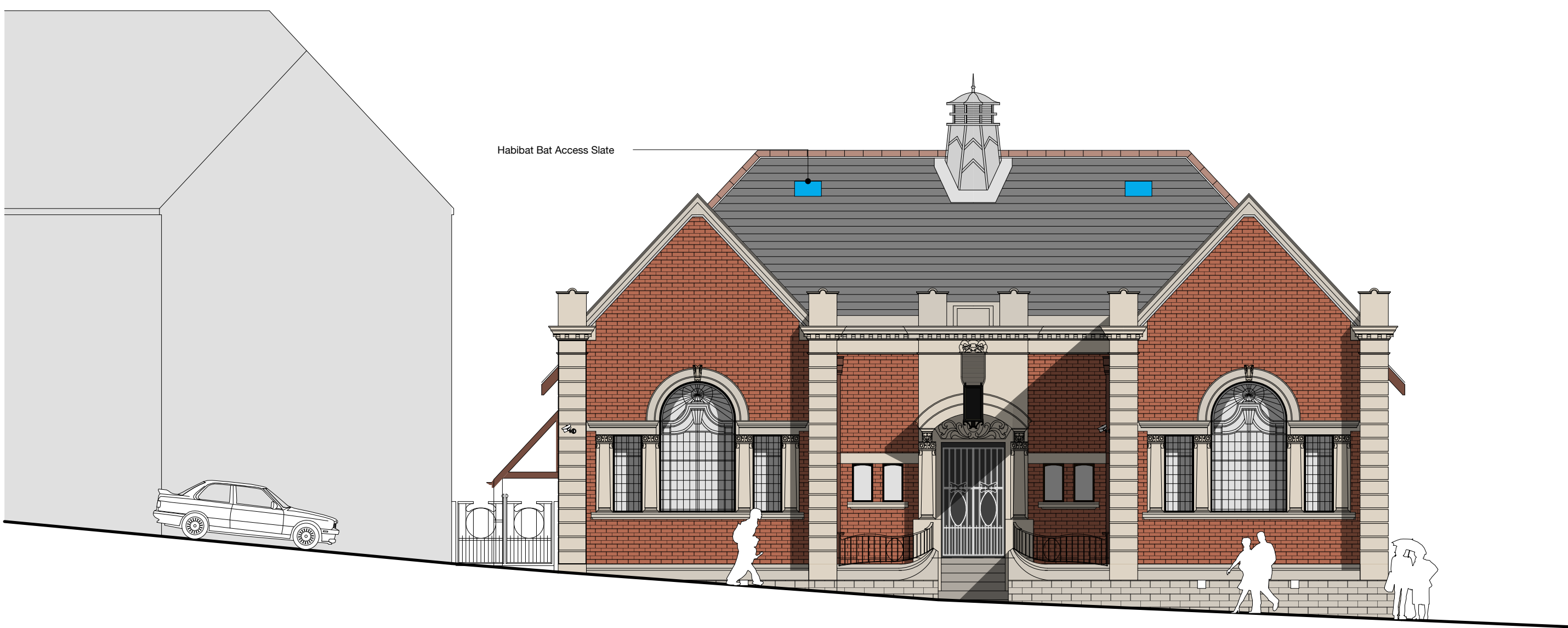


Schwegler 1FF bat boxes

exact tree location need to be identified and verified

exact tree location need to be identified and verified

car park area



Habitat Bat Access Slate

front elevation (west facing)

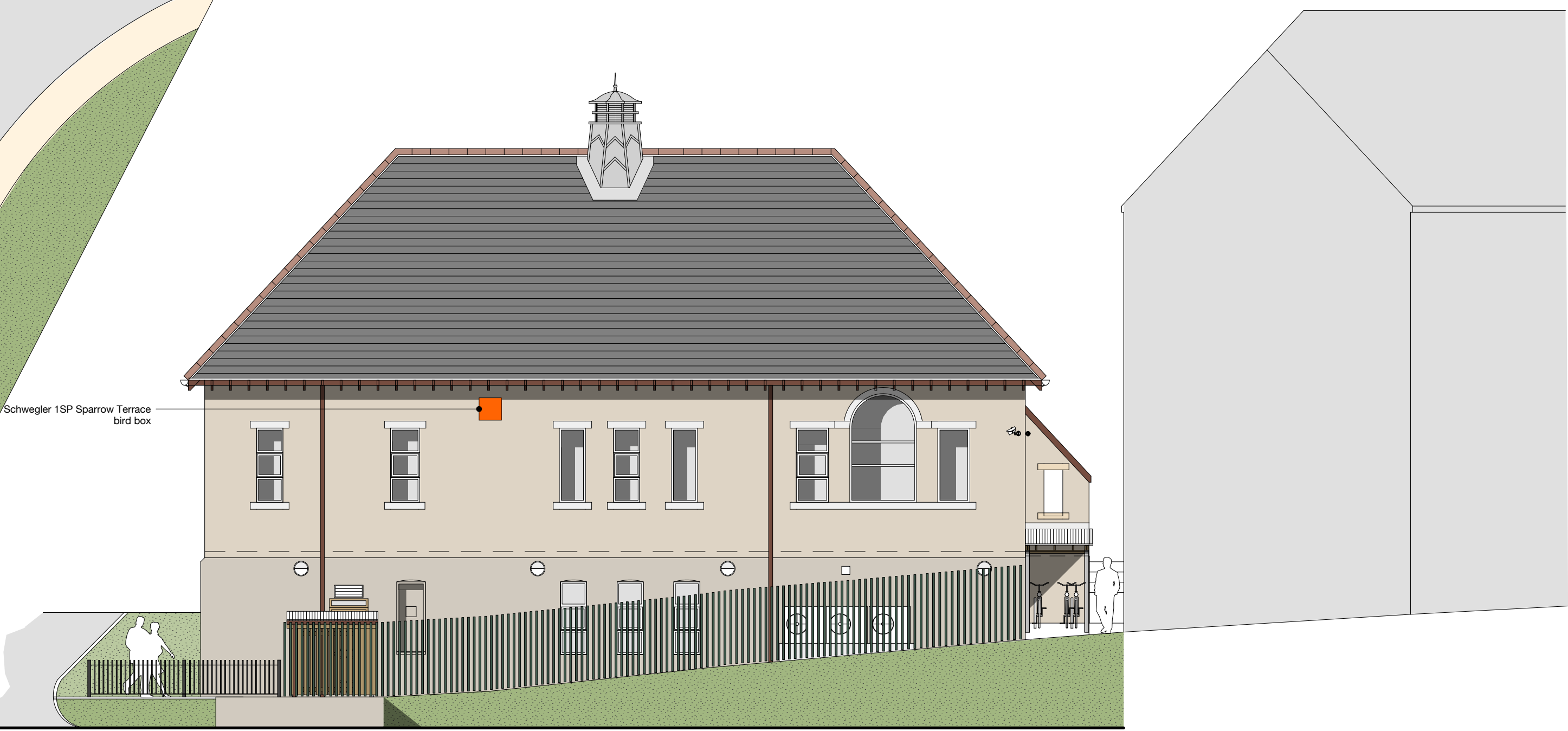


Schwegler 1SP Sparrow Terrace bird box

side elevation (south facing)

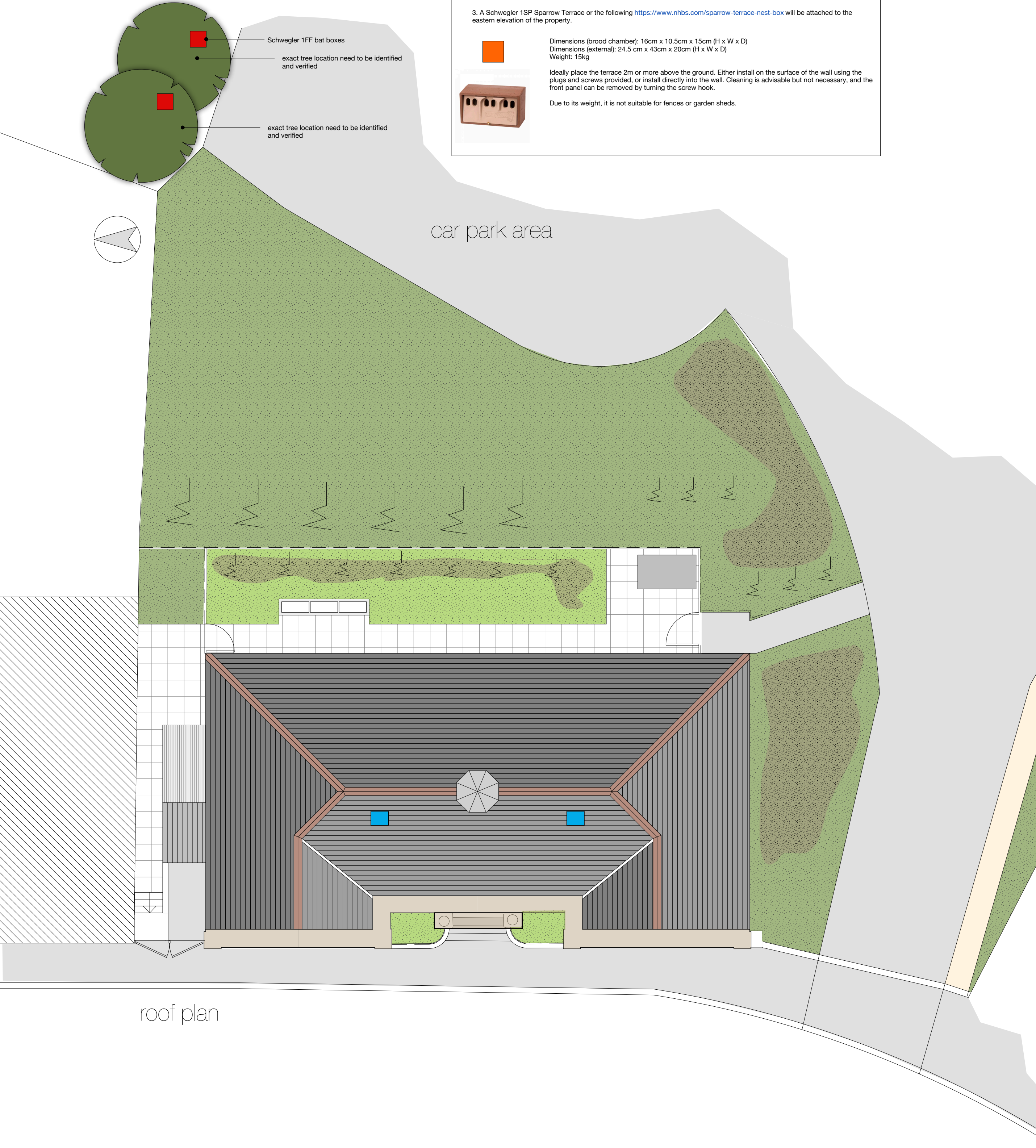


side elevation (north facing)



Schwegler 1SP Sparrow Terrace bird box

rear elevation (east facing)



roof plan

1:100 @ A1

102 04

10m

Treharris Library
bats & birds boxes

cfw ARCHITECTS
Merthyr Tydfil CBC
Treharris Library
Bats & Birds boxes
1:100 @ A1
2217 - 020

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