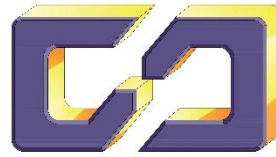


13/03/2023



**CREATIVE DESIGN
& STRUCTURE Ltd**

Architectural Services and
Consulting Structural Engineers

Unit 1, Henson House
Newtown Road
Henley-on-Thames
RG9 1HG

T. 01491411922

E. info@creativedesignandstructure.co.uk

W. creativedesignandstructure.co.uk

Application Ref: - 181176

Land adjacent to 25 Tredegar Road
Emmer Green
Reading
RG4 8QE

1 x two storey four-bedroom dwelling (amended description)

This document is prepared in support application 181176 for the erection 1 x two storey four-bedroom dwelling. The details provided below relate to Condition 10 on the decision notice.

1. Introduction

This document sets out a proposal for the installation of bird boxes to address condition no.10 on the decision notice.

2. Bird Boxes

Bird boxes are installed to encourage birds to take up residence and breed on site. Orientation of the boxes makes little difference if they are out of the prevailing wind and not exposed to long hours of sunshine. However, generally bird boxes should be placed with a north / north- east facing aspect, which will avoid exposure to strong sunlight and the wettest winds, and at a suitable height to reduce the risk of predation.

A selection of boxes suitable for a range of species has been proposed (Appendix B). In the context of this scheme, up to 1no. box can be integrated in the fabric of the building and 3no. boxes can be mounted on trees as shown in the plan (Appendix A).

GENERAL NOTES:

Check and verify all dimensions prior to commencement of work. This drawing should be used in conjunction with all other contract documents including those by other contractors.

This survey information shown on this drawing is based on a survey prepared by a third party and COS LM accepts no responsibility for the accuracy or completeness of the survey. Any discrepancies to be reported to COS LM immediately.

This drawing is copyright of and shall remain the property of Creative Design and Structural Ltd.

[illegible]

BIRDS

Nest Box 1B



▲ Great Tit



▲ Marsh Tit



also available in brown, white, red and green
(please add colour to order no.)

The internal diameter of this nest box is 12 cm. It is usually attached to a tree using the aluminium nail (see Fig. 1). It can also be hung from a branch (see Fig. 2). Other examples of how this box can be suspended can be found on pages 15 and 16.

The front panels, which can be bought separately, are interchangeable between model 1B, 2M and 2F, and can easily be removed from the nest box.

Different entrance hole sizes are available to prevent birds from competing with one another for the boxes.

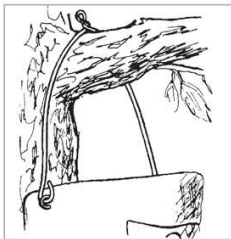
» NEST BOX 1B

Material: SCHWEGLER wood-concrete

Available entrance hole sizes: $\varnothing$ 32 mm, $\varnothing$ 26 mm and oval 29 x 55 mm.



▲ Fig. 1: on the trunk,
using aluminium nail



▲ Fig 2: from a branch



▲ clutch of Great Tit eggs



▲ clutch of Blue Tit eggs

» Entrance hole 32 mm

Occupants: Great-, Blue-, Marsh-, Coal- and Crested Tit, Redstart, Nuthatch, Collared and Pied Flycatcher, Wryneck, Tree and House Sparrows, bats.

» Entrance hole 26 mm

Occupants: Blue-, Marsh-, Coal- and Crested Tit, possibly Wren. All other species are prevented from using the nest box due to this smaller entrance hole.

» Entrance hole oval (29 x 55)

Occupants: Redstart; also used by species that nest in the $\varnothing$ 32 mm boxes. However, because more light enters the brood chamber, it is preferred by Redstarts.

External Dimensions:

H 26 x W 17 x D 18 cm.

Internal Diameter: $\varnothing$ 12 cm.

Weight: approx. 3.6 kgs.

Entrance hole	Order no.
Typ 1B, $\varnothing$ 32 mm	00 102/3

Entrance hole	Order no.
Typ 1B, $\varnothing$ 26 mm	00 105/4

Entrance hole	Order no.
Typ 1B, oval 29 x 55 mm	00 108/5



Please see the optional
"C-Block hanger" on page 64.

BIRDS

Nest Box 2GR Nest Remover 2GR



▲ on a trunk, with aluminium nail

External dimensions:
H 31 x W 20 x D 27 cm.
Enlarged interior of nesting chamber: W 14 x D 19 cm.
Weight: approx. 6.7 kgs.



▲ Redstart



▲ Bat recess

Developed in collaboration with Senior Forest Ranger Dr. Otto Henze. The design of this nest box and its front panel provides effective protection against cats and martens. With its choice of oval or three-hole entrance, the nesting chamber is well lit despite its size. Because of the light entering, the nest is built very low down at the rear of the box, away from the reach of predators. The front panel, with its integrated protection against cats and martens, can be easily removed for inspection and monitoring, providing an unobstructed view of the nest. With its enlarged brood chamber and predator protection, the 2GR is widely used in parks and woodlands. A common feature of monocultures is the prevalence of attack by insects and other pests; the 2GR helps by encouraging a higher breeding success by birds that eat pests. The box is supplied with a hanger and aluminium nail. An additional recess suitable for bats has been created inside the roof space. See illustration below.



» NEST BOX 2GR

D.B.P. | with protection against predators | Material: SCHWEGLER wood-concrete

Available entrance hole sizes: oval 30 x 45 mm, tree-hole $\varnothing$ 27 mm.



▲ oval



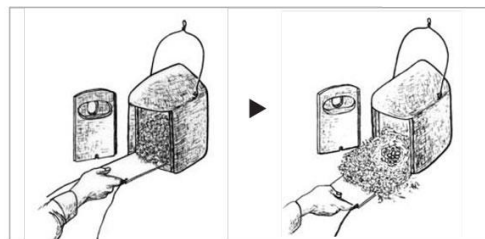
▲ three-hole

» Oval entrance hole 30 x 45 mm

Occupants: Coal, Blue, Marsh, Great and Crested Tit, Redstart, Nuthatch, Collard and Pied Flycatcher, Wrenneck, Tree and House Sparrow, bats.

» Three-hole entrance, $\varnothing$ 27 mm each

Occupants: Blue, Marsh, Great and Crested Tits. Due to the small size of the entrance hole no other species is able to occupy this nest box.



▲ the Nest Remover is only for use with the 2GR Nest Box

» Nest Remover

This is used in the 2GR Nest Box for inspection and cleaning purposes. The aluminium plate is carefully slid between the nest and the floor of the nest box. This enables the entire nest to be removed from the 2GR Nest Box without the need to touch it. This is also a wonderful means of acquainting children and young people with nature. The nest can be easily replaced after inspection.

Entrance hole	Order no.
oval 30 x 45 mm	00 218/1

Entrance hole	Order no.
3 x $\varnothing$ 27 mm	00 221/1

Article description	Order no.
The Nest Remover for 2GR Nest Box	00 225/9

BIRDS

Open-fronted Nest Boxes 2H | 2HW

» OPEN FRONTED NEST BOXES

Material: SCHWEGLER wood-concrete



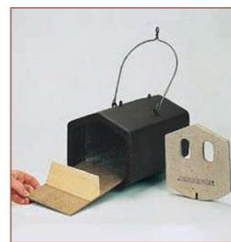
▲ open-fronted Nest Box 2H



▲ Spotted Flycatcher (feeding)



▲ clutch of Black Redstart eggs



▲ nesting chamber insert for
Types 2HW and 1N

Our nature conservation programme contains various models for birds that nest in cavities or recesses. They are particularly suitable for species that prefer an open, balcony-type entrance area, e.g. redstart and robin. The wide, open access to the clutch and the nestlings that is a feature of this type of box means that such species are often under threat from predators. The predator-proof, open-ended box 2HW helps to prevent such attacks and unprotected installation on trees can then be recommended.



» NEST BOX 2H

Material: SCHWEGLER wood-concrete

Suitable for: Black Redstart, Pied Wagtail, Grey Spotted Flycatcher, occasionally Robin and Wren.

External dimensions: H 20 x W 15 x D 20 cm.

Interior of nesting chamber: Ø 12 cm.

This traditional type has proved to be highly effective. It should always be installed on the outside walls of houses, barns, garden sheds, etc. It is designed to be hung so that the entrance is to one side (at an angle of 90° to the wall). The front panel can be easily removed for cleaning.

Please do not hang this type of box on a tree or bush because small predators can enter through the unprotected opening. If hung in the right place this open-fronted type will attract the species of birds referred to above. This model has been successfully used for decades.

Material: Nestbox made of SCHWEGLER wood-concrete.

Scope of delivery: Nestbox, galvanized hanger and aluminum nail.

Weight: approx. 2.5 kgs.

Order no. 00 152/8



Different species of sparrows can be found around our human homes:

House Sparrow (*Passer domesticus*): These birds thrive in areas cultivated by man, from villages to large cities.

Tree Sparrow (*Passer montanus*): Also widely distributed throughout towns and villages as well as the surrounding fields, farms, woodlands and hedges, and woodlands bordering rivers and streams.



▲ During installation



▲ Nest in 1SP

General details: While nesting and raising their young both types of sparrow feed exclusively on insects, especially arthropods (insects with segmented legs). Therefore, their traditional role in keeping down pests and maintaining the balance of nature is a very important one, though not always recognised.

Recently the numbers of both species have declined substantially and in some areas they are now rarely seen. Long term studies have confirmed this drastic reduction in their numbers across Europe. The causes include the clearance and monotonous nature of rural areas, the sterility of many gardens and landscaped areas, and the use of chemicals in agriculture and gardens. The survival of these species is particularly threatened by widespread building renovation and clearance which denies them many nesting possibilities.

» SPARROW TERRACE 1SP

Occupants: House and Tree Sparrows, and in some instances other birds which use nest boxes such as Tits, Redstarts and Spotted Flycatchers.

Material: SCHWEGLER wood-concrete.

Siting: On all types of houses in built-up areas, and on industrial and agricultural buildings such as barns, sheds and factories.

Installation height: 2 metres or more above ground level.

Cleaning: Cleaning is advised but is not essential. By turning the safety catch by 180° the front panel can be removed.

Dimensions of the three brood chambers:

H 16 x W 10.5 x D 15 cm (each).

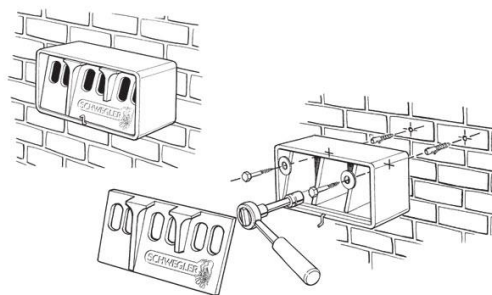
External dimensions: H 24.5 x W 43 x D 20 cm.

Weight: approx. 15 kgs.

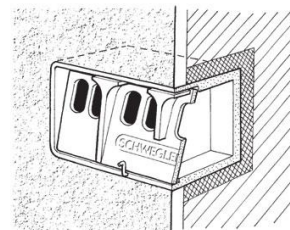
Order no. 00 590/8



▲ 1SP built into a wall



▲ Simple surface installation using the plugs and screws supplied



▲ Complete installation as a nesting block within brick or concrete walls. To avoid heat-conduction please also use wall insulation, or install at a suitable depth in the wall