

32\_240FR

26th November 2021

## **Bat Box Installation Strategy**

### **1.0 Location**

Four bat boxes are proposed on the south elevation (see drawing 240\_8040\_Proposed Bat box locations\_REVA) in alignment with advice from our ecologist consultants. The decision to position the bat boxes along the south façade provides them with warmth by maximising sun exposure during daytime hours (Ideal for periods of roosting for most common bat species) whilst also shielding them from the artificial lights of the North and East sides at night. The southern aspect also provides the bats a clear route to potential foraging habitat as confirmed by the ecologist. The Bat boxes are also aligned along one set of columns for ease of installation and access if required.

### **2.0 Installation**

The bat boxes we have specified are Nestbox Company's 'integrated Eco Bat Box' range as recommended by the Ecologist consultants as they are known to be utilised by common bat species with a life span lasting the length of the building's lifetime. The bat box will sit flush with the external envelope, fixings are to be confirmed with a contractor however the intention is to be a typical stand off bracket.

### **3.0 Lighting strategy**

As stated in the 'bat box installation report' all new courtyard lighting has been specified to be Light emitting Diode bulbs (LED) resulting in no UV light to reduce the attraction effect on food resources in the area. The Specified LED lighting is low wattage and positioned low to the ground, often diffused by low level shrubbery and landscaping, creating a more than satisfactory environment for the bats to travel at their most common 2-meter-high flight path. The courtyard lighting will also be sensed to only be activated when needed and shall not be activated at key bat foraging/travelling times such as the first hours of dusk and dawn.

### **4.0 post-inhabitation and management**

The Bat Boxes specified are maintenance free as stated by their manufacturer and referenced in the ecologist report. The recycled plastic shell is also UV stabilized, leaving no need for further upkeep after installation or additional coatings. Nestbox Company's 'integrated Eco Bat Box' are expected to last the lifetime of the building.

To be read in accordance with drawings:

**240\_1064\_proposed ground floor courtyard\_REVD**

**240\_8040\_Proposed Bat box locations\_REVA**

**240\_8041\_Proposed Bat box details\_REVA**