POST DEVELOPMENT LIGHTING

The proposed development will use lighting in accordance with the Bat Conservation Trust's Bats and artificial lighting in the UK; Guidance Note 8 Bats and Artificial Lighting (2023) guidance note. The following lighting plan for the development will minimise light spill to existing treelines on site and the fields to the south of the site as well as ensuring that bat roosting features will remain un-lit. Where possible between the hours of dusk and dawn lights are to be on motion activated sensors.
The following must be considered when choosing lighting for the development site:
All external lighting will be positioned no higher than the top of the ground-floor level / well away from bat access features and comprise of a 20W LED hooded downlighter operated by an internal switch, and activated externally by motion detection, with automatic cut-off.

All exterior lighting will lack UV elements. Metal halide, fluorescent sources should not be used.

LED lighting should be used where possible due to their sharp cut-off, lower intensity, good colour rendition and dimming capability.

A warm white spectrum (ideally <2700Kelvin) should be adopted to reduce blue light component.

Lighting should feature peak wavelengths higher than 550nm to avoid the component of light most disturbing to bats.

The use of specialist bollard or low-level downward directional lights should be used along footpaths and walkways; if required

Lighting is to be kept away from the retained western and eastern tree lines with a dark zone buffer between the Chapel and the tree lines maintained. Only motion activated lighting is to be used in these areas, and only lighting with directional hoods/baffles/louvres to minimise light pollution to the wider landscape.

Any external security lighting on the Chapel should be set on motion-sensors and short (1min) timers.

CONSTRUCTION PHASE LIGHTING

During the construction phase lighting will be directed away from retained tree lines to the east and west and the field to the south of the site to ensure that suitable roosting, foraging, and commuting habitats remain unlit.
No lighting of over 2000 lumens (150 W) to be used on site in accordance with the Bat Conservation Trust Bats and Lighting in the UK guidance *(Guidance Note 8 Bats and Artificial Lighting; 2023).*

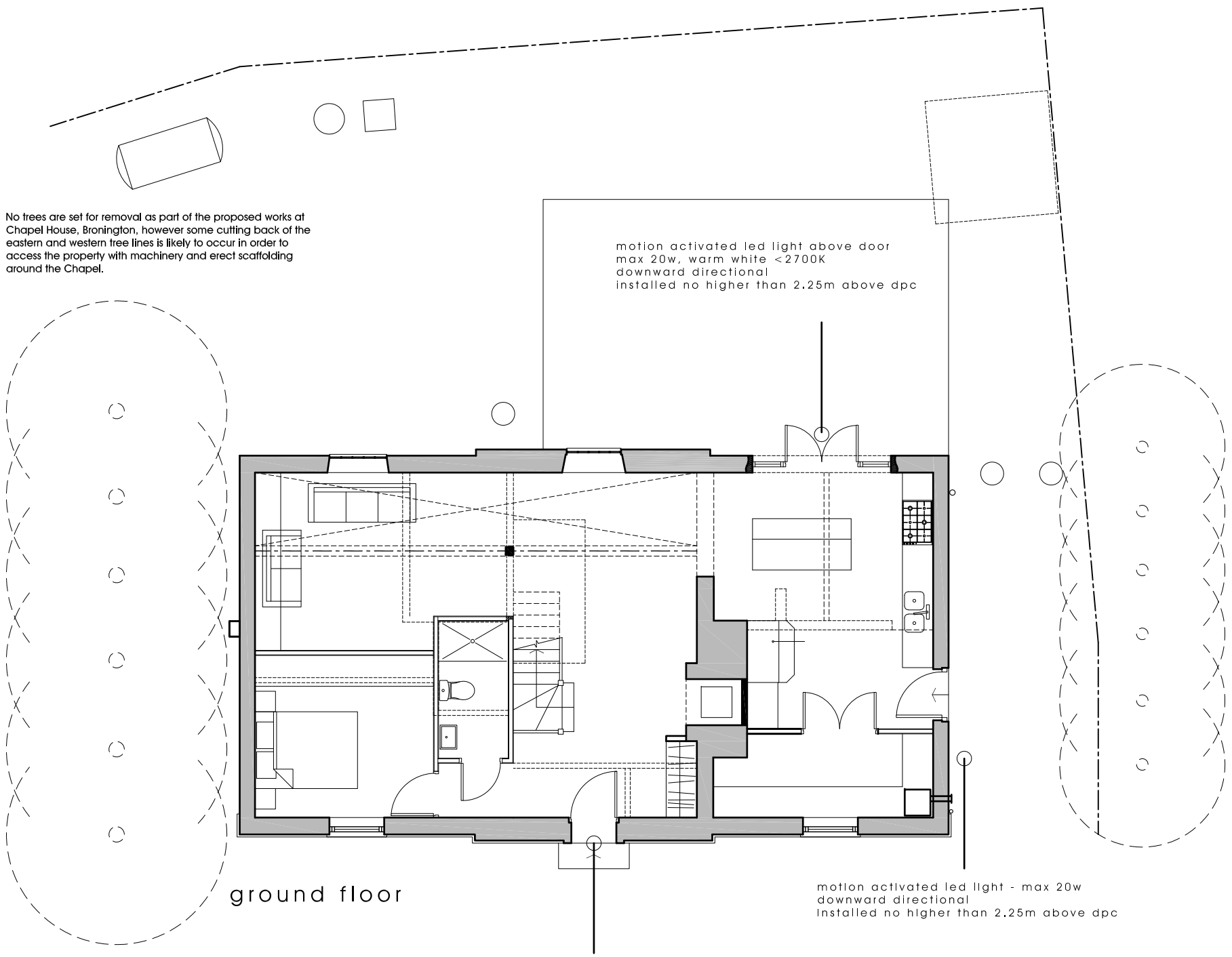
NOTES

Do not scale. All figured dimensions in mm and to be checked on site.

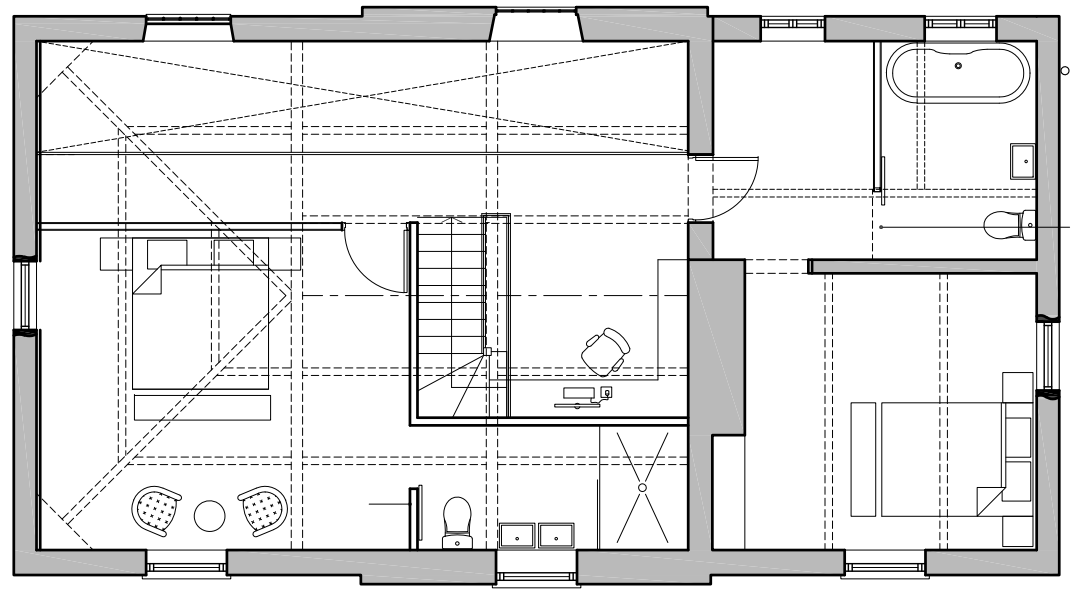
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This drawing does not form part of a contract and is subject to change at developers discretion.

No trees are set for removal as part of the proposed works at Chapel House, Bronington, however some cutting back of the eastern and western tree lines is likely to occur in order to access the property with machinery and erect scaffolding around the Chapel.



ground floor



first floor

rev.	description	date	by
-	first issue	16.09.2024	SS

status. Planning

0 1m 2m 3m 4m 5m 10m

SCALE BAR

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drawing
Combined lighting and Tree planting plan

for further details etc please refer to Net Biodiversity Benefit Plan from Turnstone Ecology

scale	date	drawn
1:100 @A3	16/09/24	SS

drwg no	rev
2205-MA(20)0002	-