

PROPOSED SOUTH ELEVATION



PROPOSED EAST ELEVATION

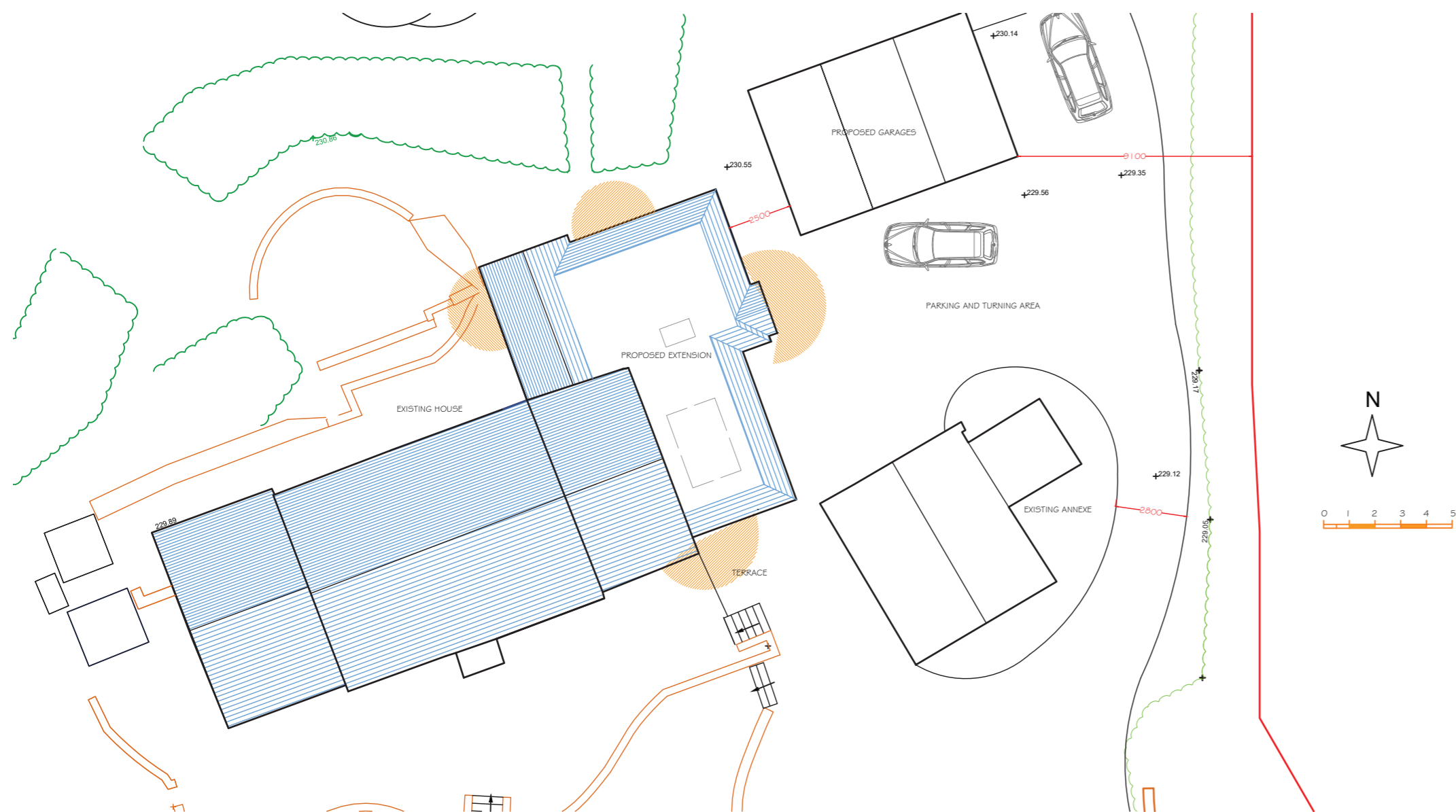
All works are to be in accordance with Bat Survey Report by BE Ecological Ltd dated July 2021, issue 1 version A potential access points and bat boxes will not be directly illuminated, all external lighting will be PIR and downwards facing

Note: roofing felt is to be Type 1 Bitumen felt only, breathable membranes will not be permitted

A second Schwegler type 1FF bat box is to be attached at least 3 metres above ground to a nearby tree



PROPOSED NORTH ELEVATION



**External lights**  
External lighting is required by Part M of the building regulations in order to ensure good levels of illumination to all pathways and external parking areas. This is to provide safety of movement around the building and allow its use by all people including those with impaired eyesight.

External lighting is also required for security reasons. Motion sensitive external lighting will act as a deterrent to any possible theft or vandalism.

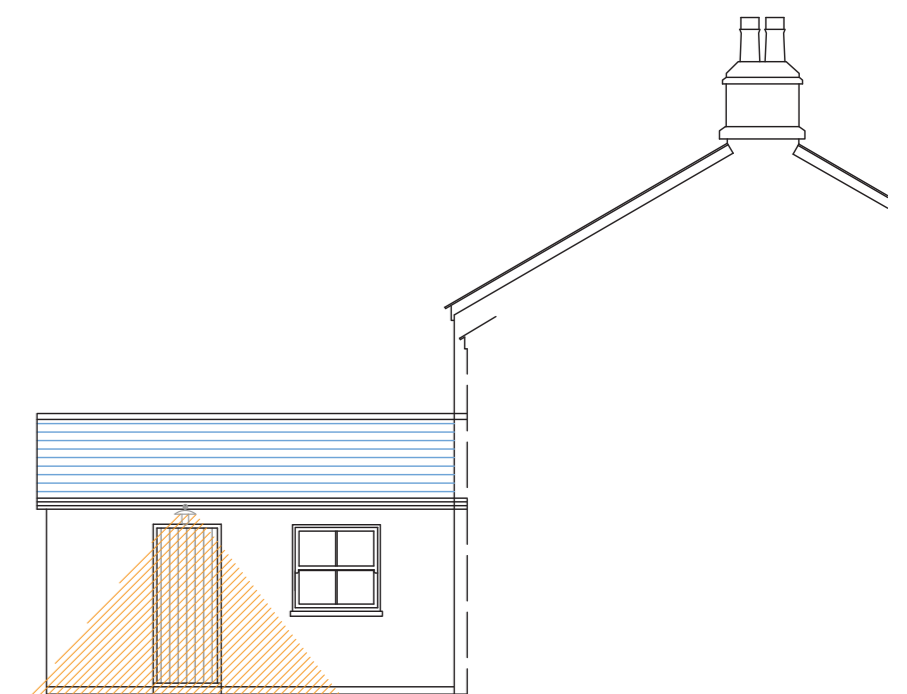
The proposed external lighting comprise 4 No external luminaires with passive infrared (PIR) sensors.

The lamps will also be fitted with daylight sensors to ensure they extinguish in adequate daylight and with a manual override switch.

Luminaires will be traditional Barn or Swan neck types with a generous hood as per the examples below. This style is appropriate to the character of the building and will minimise the upward spill of light.

The height to the underside of the lighting cowl is proposed to be 2100-2400 which is a compromise between restricting the lighting range and providing sufficient security. Secured By Design guidance recommends a minimum height of 2.4m for external lighting. This height can be lowered if a further security light is used.

Lamps will be typically be Tungsten Halogen types providing 12-20 Lumens/Watt (CFL lamps are not suitable for this type of use). It is expected that external lighting will be required sporadically during hours of darkness between approximately 11pm - 6am on an average day.



PROPOSED WEST ELEVATION

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Status:  
 Preliminary  
 Pre-planning  
 Planning (Outline)  
 Planning (Reserved matters)  
 Planning (Householder)  
 Building Regulations  
 Structural  
 Tender issue  
 As built  
 PROVISIONAL

Project:  
Proposed extension and garages at Noddfa, Lydart

Client:  
Mr & Mrs Vizard

Drawing:  
Proposed bat enhancements and lighting

Date:  
23.07.2021

Scale:  
1:100 @ A2

Drawing No:  
362G-09

Revision:  
A

