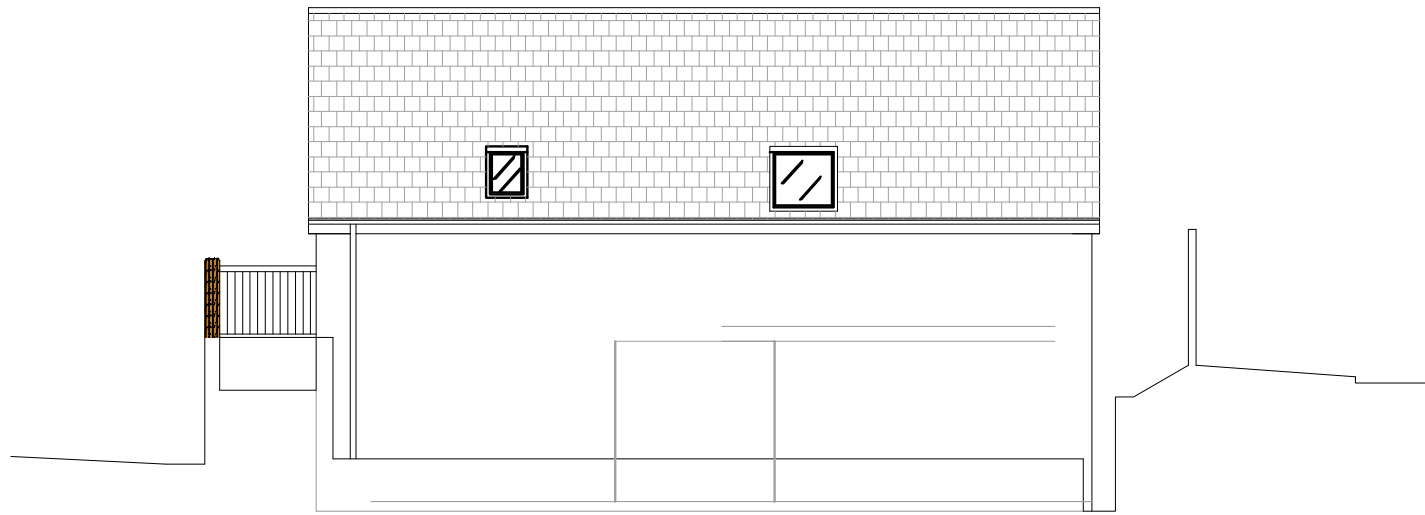
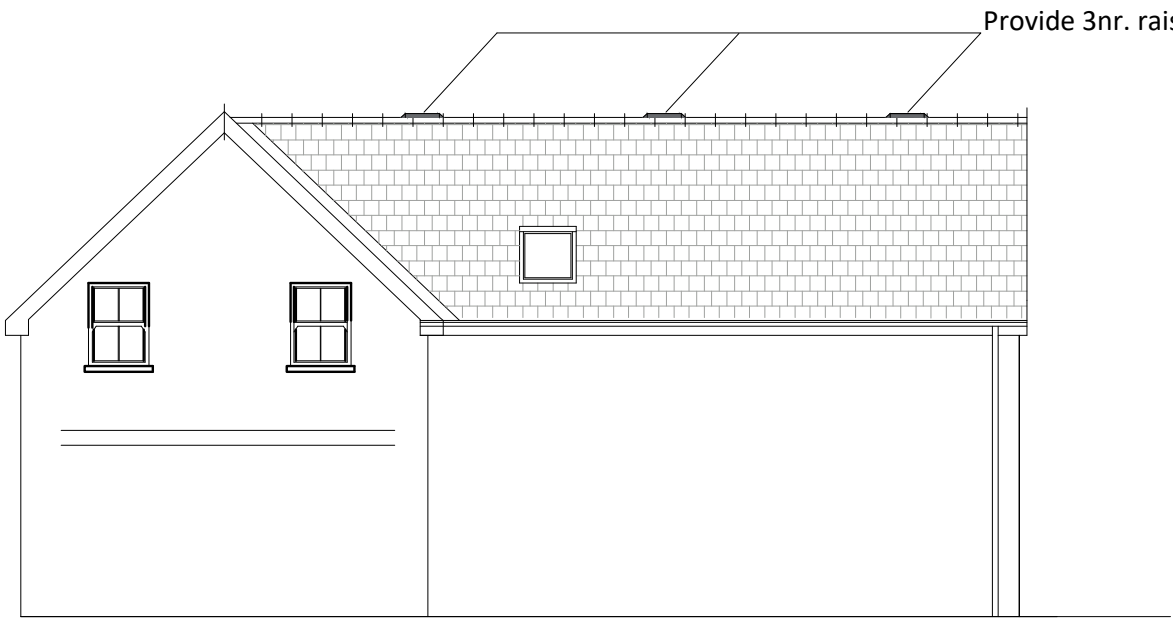




PROPOSED SIDE ELEVATION
scale 1:100



PROPOSED REAR ELEVATION (road side)
scale 1:100

Provide 3nr. raised ridge tiles to proposed roof.

There is extensive woodland in the cartilage of the building. A bird and owl box scheme is proposed to offer new roosting for birds.

A RSPB barn owl box will be situated in a tree within the ownership of the applicant, the exact position will be decided by the retained ecologist. The barn owl box will be situated away from the main house to avoid conflict with the resident bats.

Provide Two number 'Schwegler 1B nest boxes. Fitted into a nearby tree. 1 box will have a 32mm access hole and 1 to have a 26mm access hole. The exact position will be agreed with the retained ecologist.

NOTES

If Planning is approved, the legal owner must apply and be in possession of a licence to destroy the roost. This will take approximately 30 working days to be issued. This licence would have to offer a methodology to ensure that any loss of roosting sites be replaced and preferably enhanced in the new build and the project be undertaken in a way which minimises any risk to bats. An ecological clerk of works will be appointed and retained for the duration of the project.

If careful consideration is made to incorporate improved roosting conditions into the new build scheme, then this project could offer ecological gain for the resident bats. There is potential of offer ecological gain for bats and nesting birds if the project proceeds. This would help satisfy the local planning authorities legal responsibility to preserve and enhance biodiversity under the Environment (Wales) Act 2016.

PROPOSED MITIGATION

It is proposed that new roosting for crevice dwellings species of bat will be created underneath the entire row of ridge tiles of the new extension. This will be accessed by 3 number raised ridges tiles.

The raised ridge tiles will have two access apertures measuring 100mm long by 25mm high one on the front elevation and one on the rear.

The roosting area will benefit from uninterrupted access to the sun on its southern aspect. This along with the heat generated from the living space will create a favourable temperature range for bats. The roosting area will be sufficient in size for a maternity colony to establish.

Bats will be restricted to the void in the underside of the ridge tile by using a continuous piece of 1 F bitumen felt as a base liner. This will be fixed in location over the top rafters as per fig. A

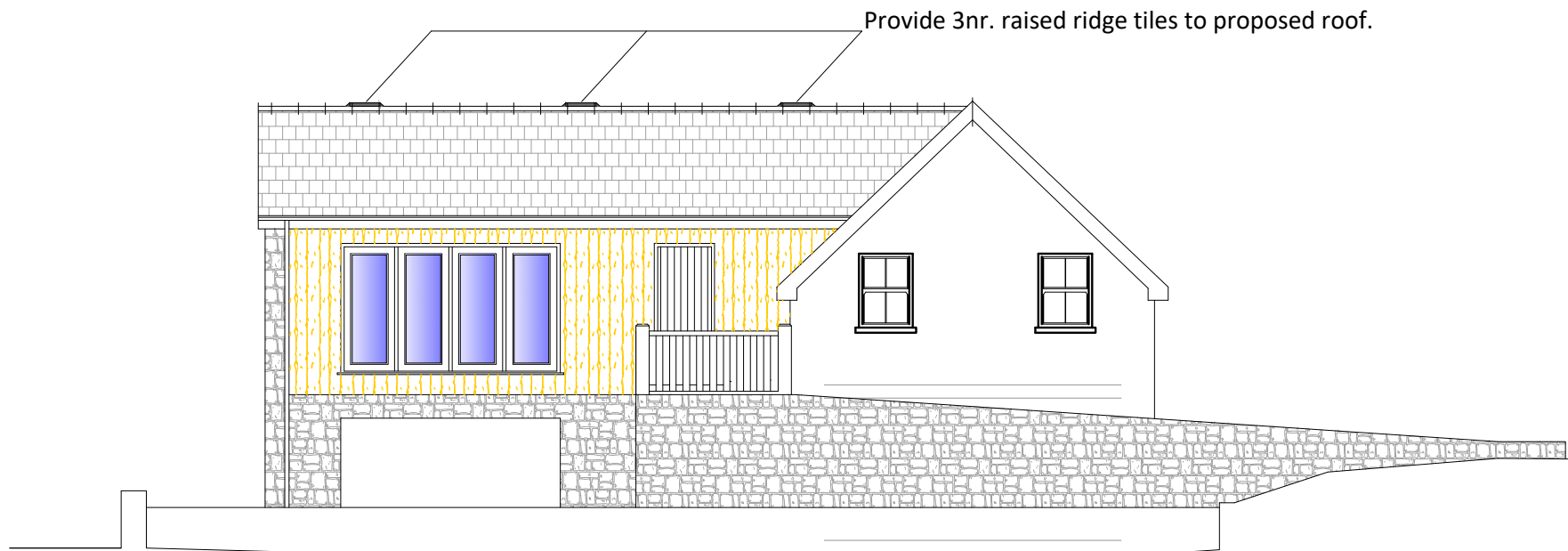
There will be no direct illumination of any roost exit points. Any external lighting will be controlled by passive infrared.

Breathable membrane is dangerous for bats therefore it is essential that the detail contained in fig. A is followed exactly and is to be fitted under direct ecological supervision by a suitably qualified ecologist.

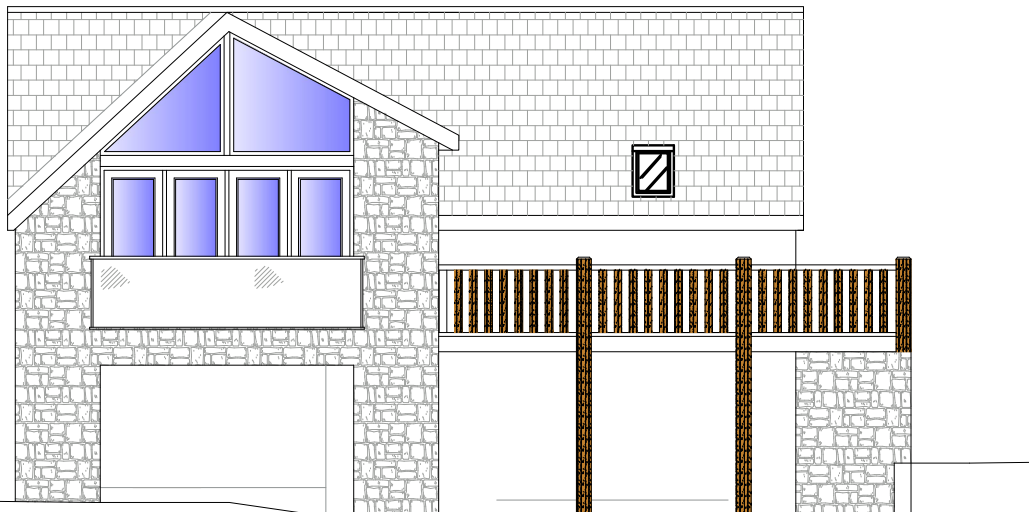
Bat mitigation will benefit from the south elevation or an elevation where there is direct access to sunlight as the bats can tolerate and prefer high levels of temperature in their roost.

The new glazed area will be mirrored glass which will not allow excessive light to be emitted. This will reduce the chance of light disturbance to the resident bats.

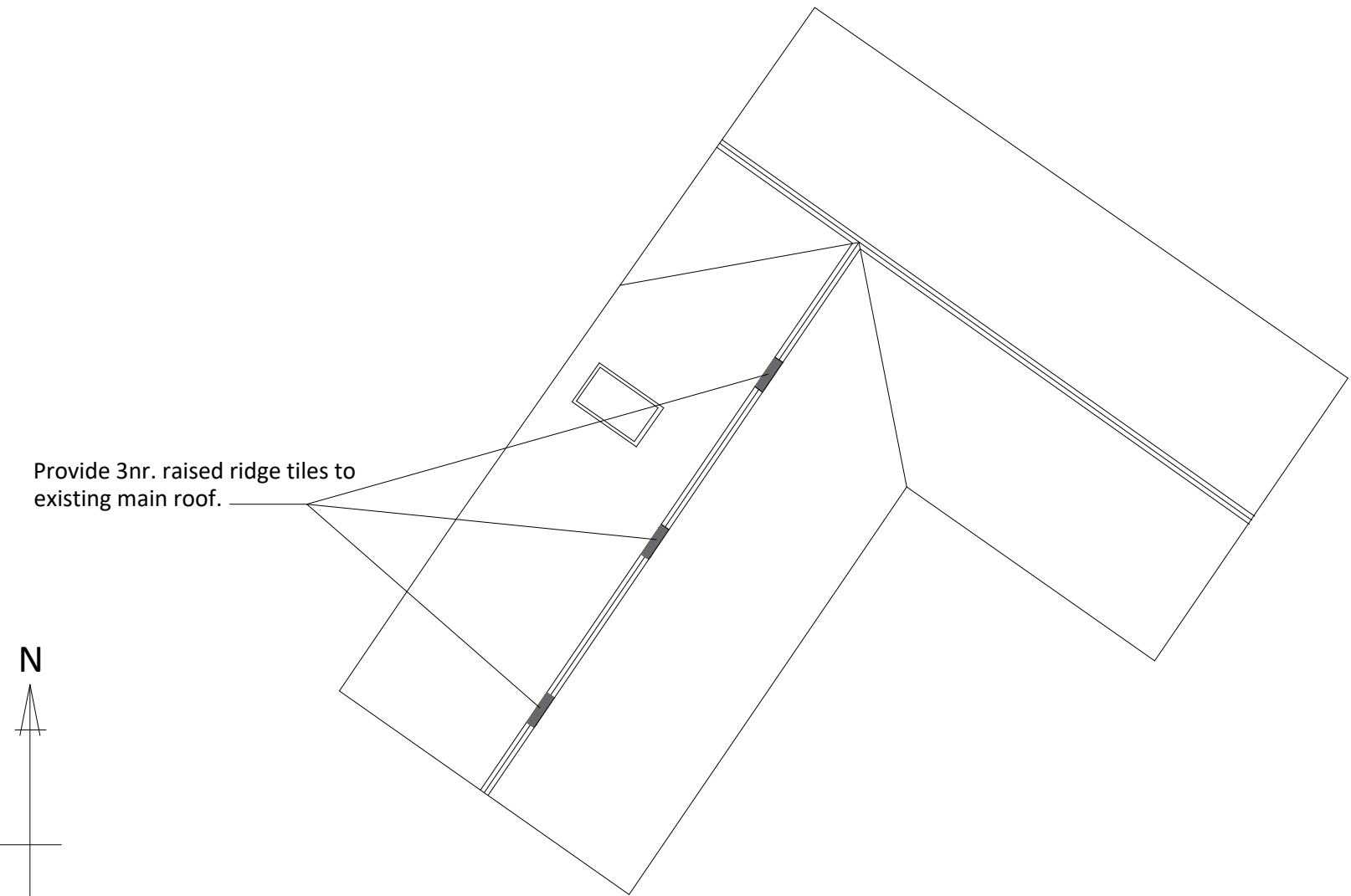
The existing roost will be reinstated in its current position one the chimney has been removed. Access will be via a 100 x 25mm aperture under the soffit and lead into the cavity currently used as a maternity colony for Pipistrelle bats.



PROPOSED FRONT ELEVATION
scale 1:100



PROPOSED SIDE ELEVATION
scale 1:100



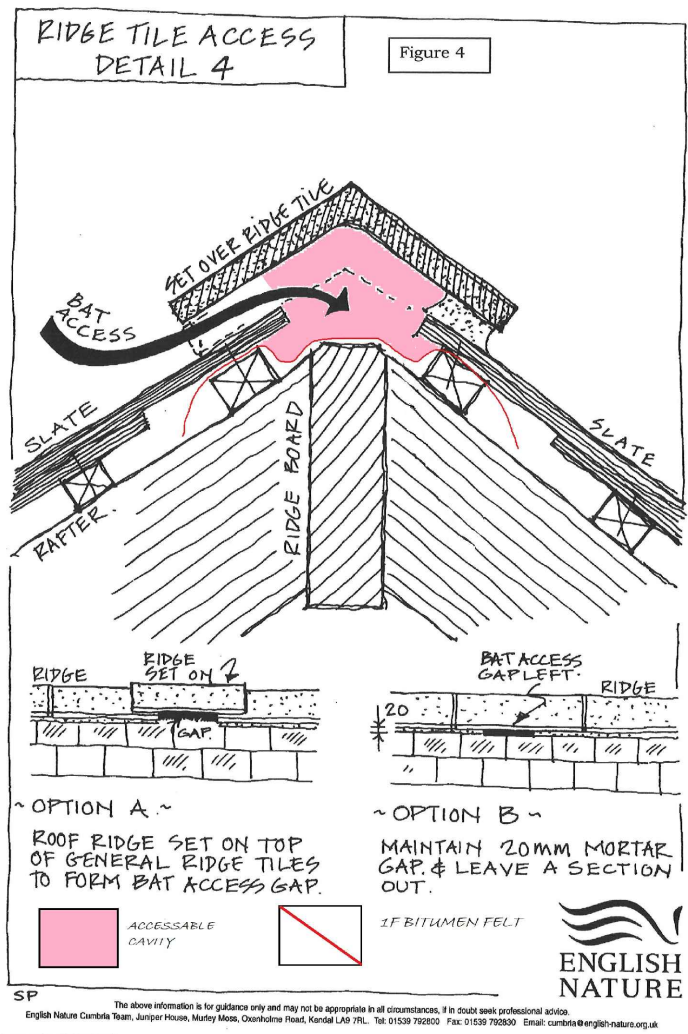
Provide 3nr. raised ridge tiles to existing main roof.



PROPOSED ROOF PLAN
scale 1:100

Fig. A

Please refer to page 10 of Ecological Report



Revision	Date	Description
H. D. WILLIAMS Ltd. F.R.I.C.S. CHARTERED QUANTITY SURVEYOR MAINTFESURWR SIARTREDIG 123, Trealaw Road, Tonypandy, Mid Glam., CF40 2NP. Tel. (01443) 441078 Fax (01443) 434191 email: hdwilliams1@hotmail.co.uk		
Client	Mr. L. Wood 'The Clogery' Ynysgollen, Aburdulais.	
Project	Extension to Dwelling to create upper floor to tackle flooding issues.	

Title Ecology Mitigation Proposals		
Date October 2021	Scale as noted at A2	
Drawing Number hdw/ph/lw.04	Job Ref.	Revision
		the mark of property professionalism worldwide