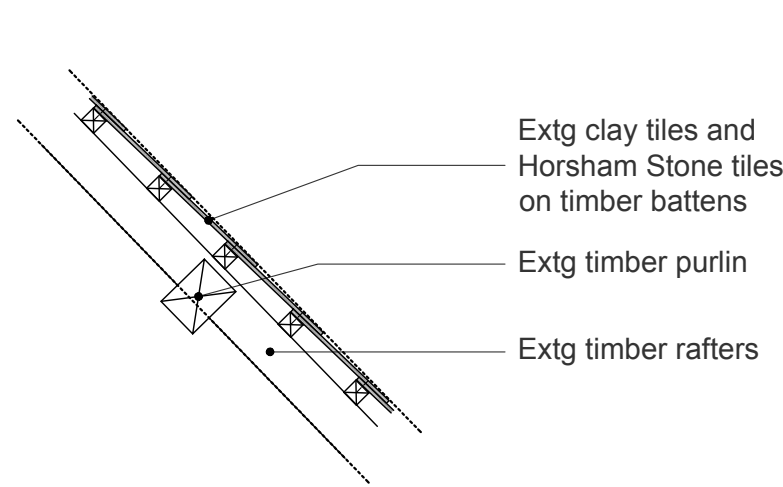
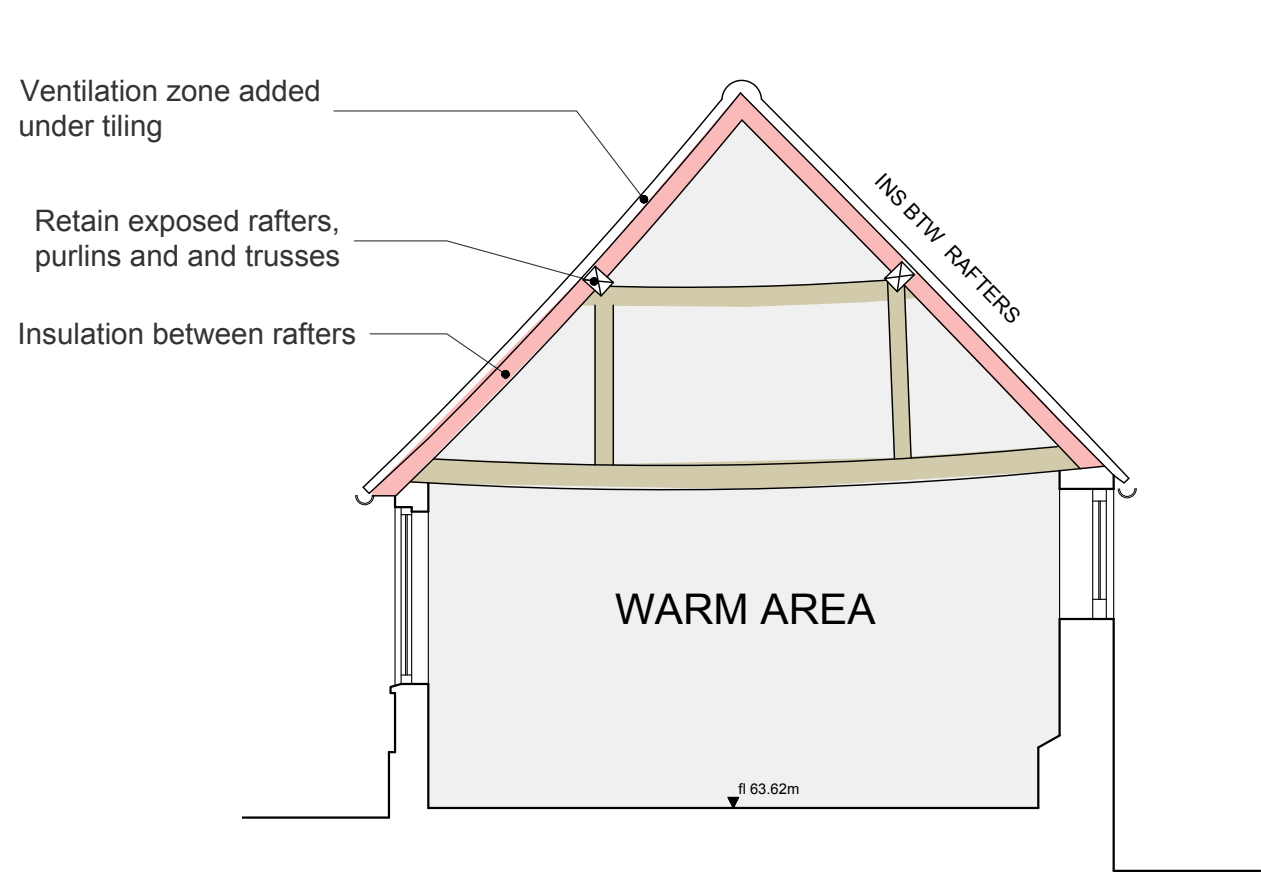
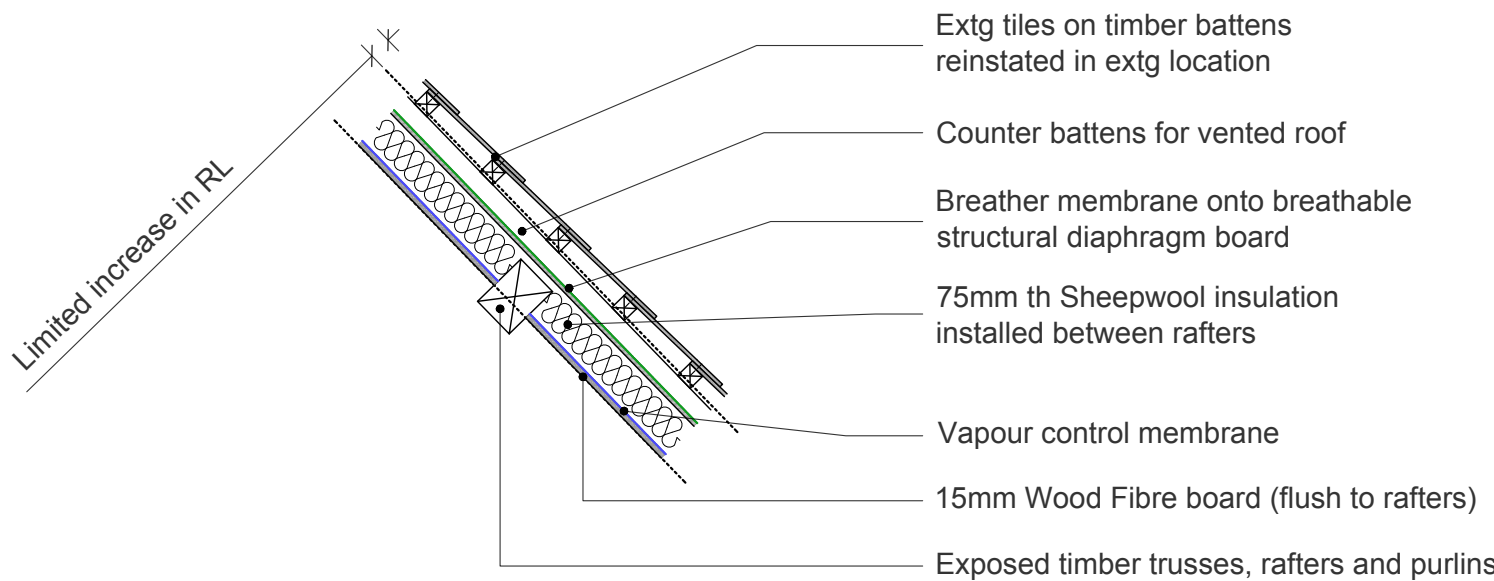




EXTG ROOF DETAIL
Clay tiles and Horsham Stone tiles on battens above exposed timber rafters.

Extg tiles to be documented with photographic survey, carefully dismantled and set aside to protected location for later reinstatement. Any damaged tile to be replaced with reclaimed clay tiles to match extg as closely as possible.



PROPOSED ROOF DETAIL
EXTG ROOF THERMAL UPGRADE
U-Value: 0.48 W/m²K
Tiles on battens reinstated above vented area with insulation between rafters.
Limited roof level increase to allow under roof ventilation.

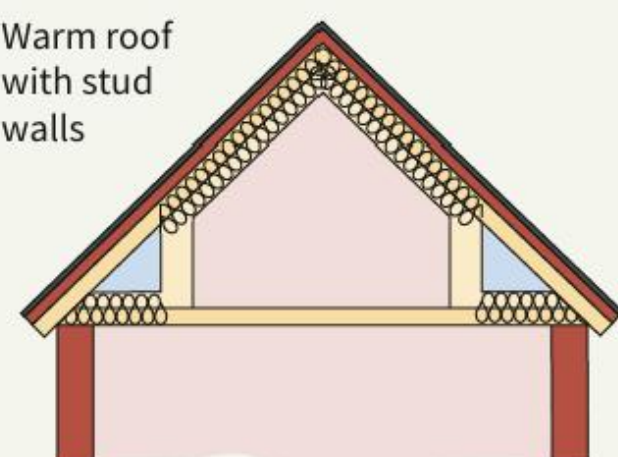
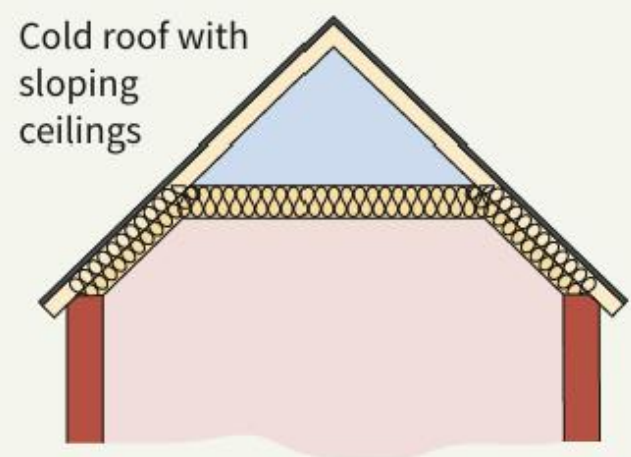
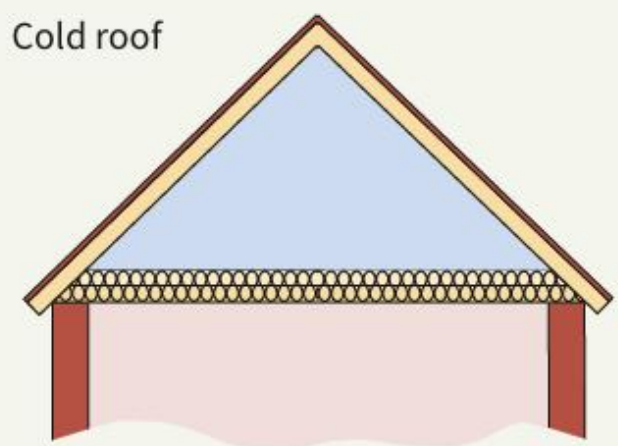
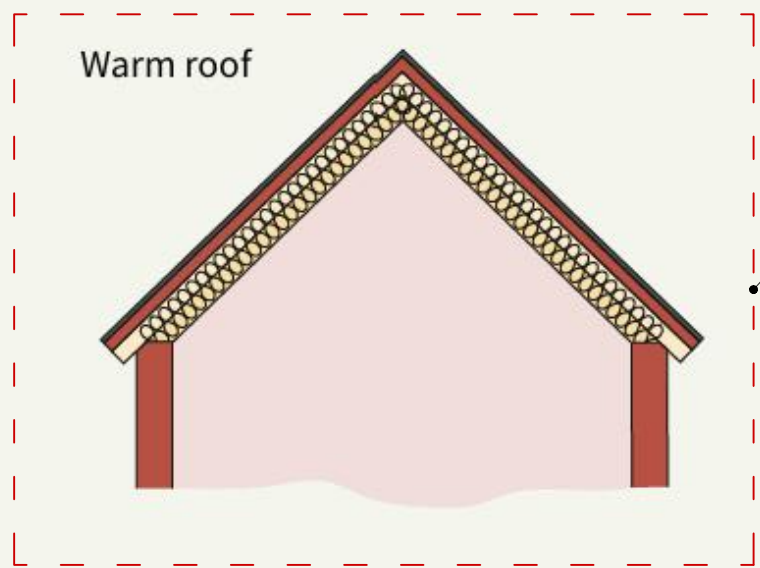
Extension RL to align to existing RL.
The limited increase in roof level, with no insulation above rafters, will ensure no disturbance to the Main House windows at the junction with the new extension.
Insulation between rafters to be installed flush, so that existing rafters are still visible.

01 Dairy Roof Insulation Strategy
1:50@A1

02 Dairy Insulation Proposal
1:20@A1

Warm Roofs and Cold Roofs

In this guidance the term 'cold roof space' or 'cold roof' is used to describe a pitched roof with insulation at the level of the horizontal ceiling of the uppermost floor, leaving an unheated roof space (attic or loft) above the insulation. In contrast a 'warm roof space' or 'warm roof' has insulation between or just under or over the sloping rafters, so that the whole of the volume under the roof can be heated and used. Some buildings have combinations of these two arrangements.



DAIRY (EXISTING ROOF):
warm roof with insulation between rafters and partially exposed timber rafters

03 HE Pitched Roof Insulation Strategies
from "Energy Efficiency and Historic Buildings: Insulating pitched roofs at rafter level" (Historic England)

LEGEND



Scale 1:50@A1



Scale 1:20@A1



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Checked by
JM

Drawn by
IMP

Date
18.12.25

Description
Planning

Job No
335

Project
Sunte House

Title
Sunte House
Roof Insulation Strategy - Dairy

Drg No MH-DR-00-501

Scale as shown@A1

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