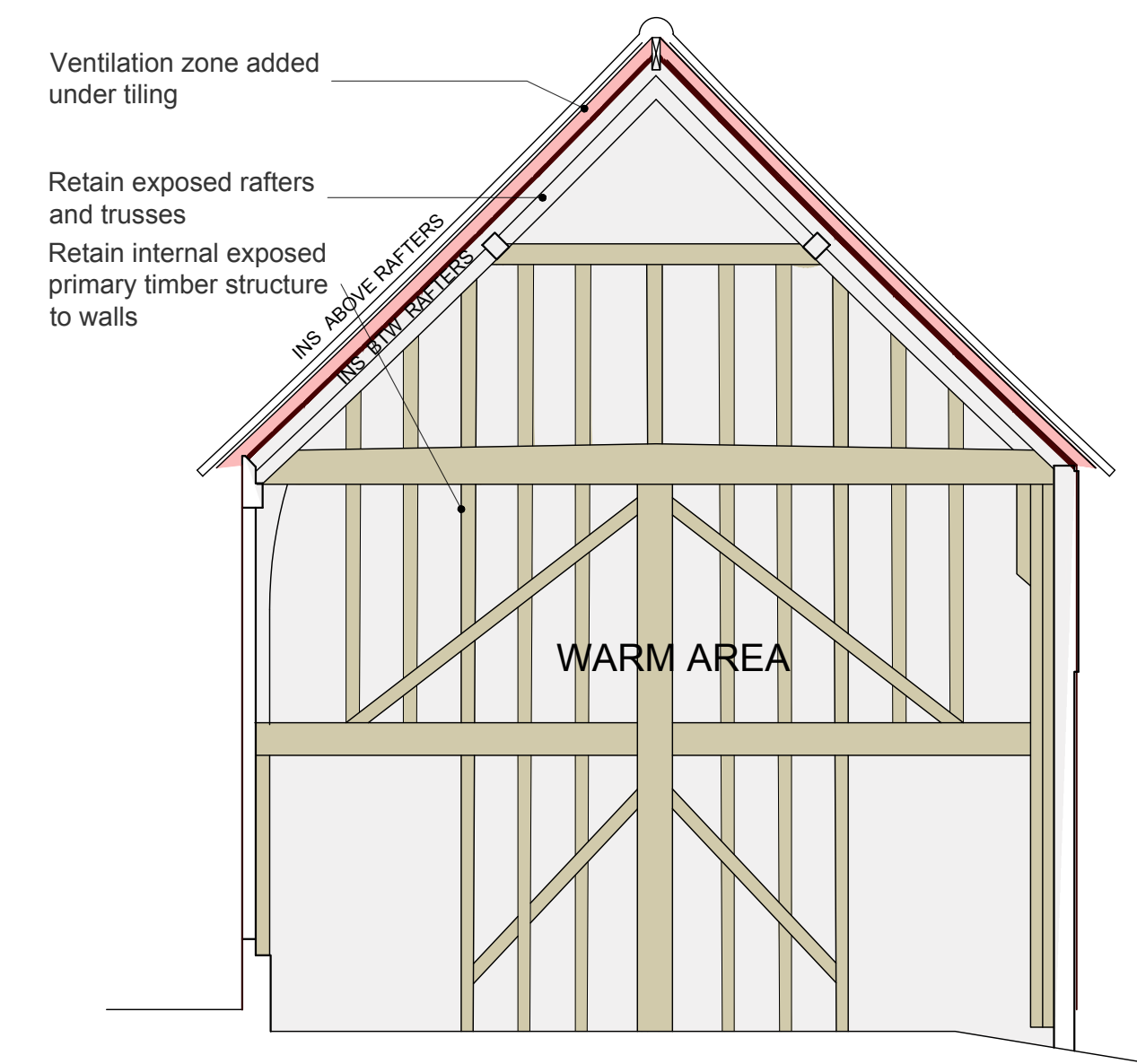
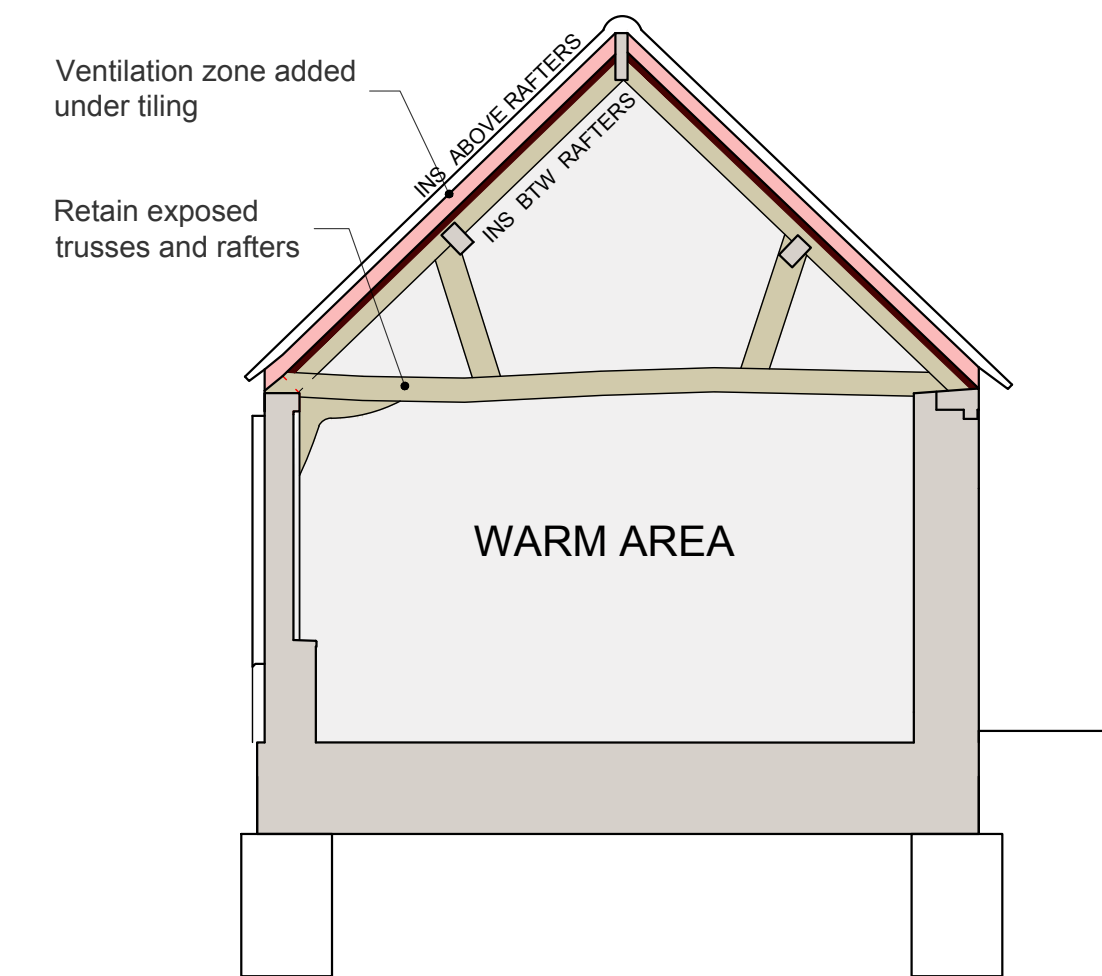
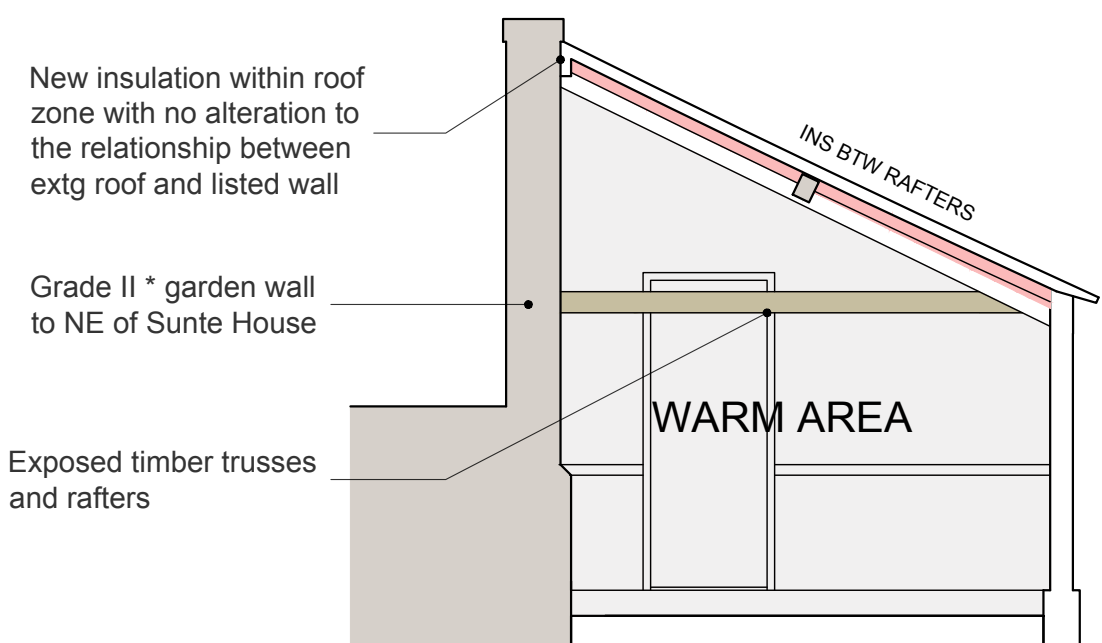




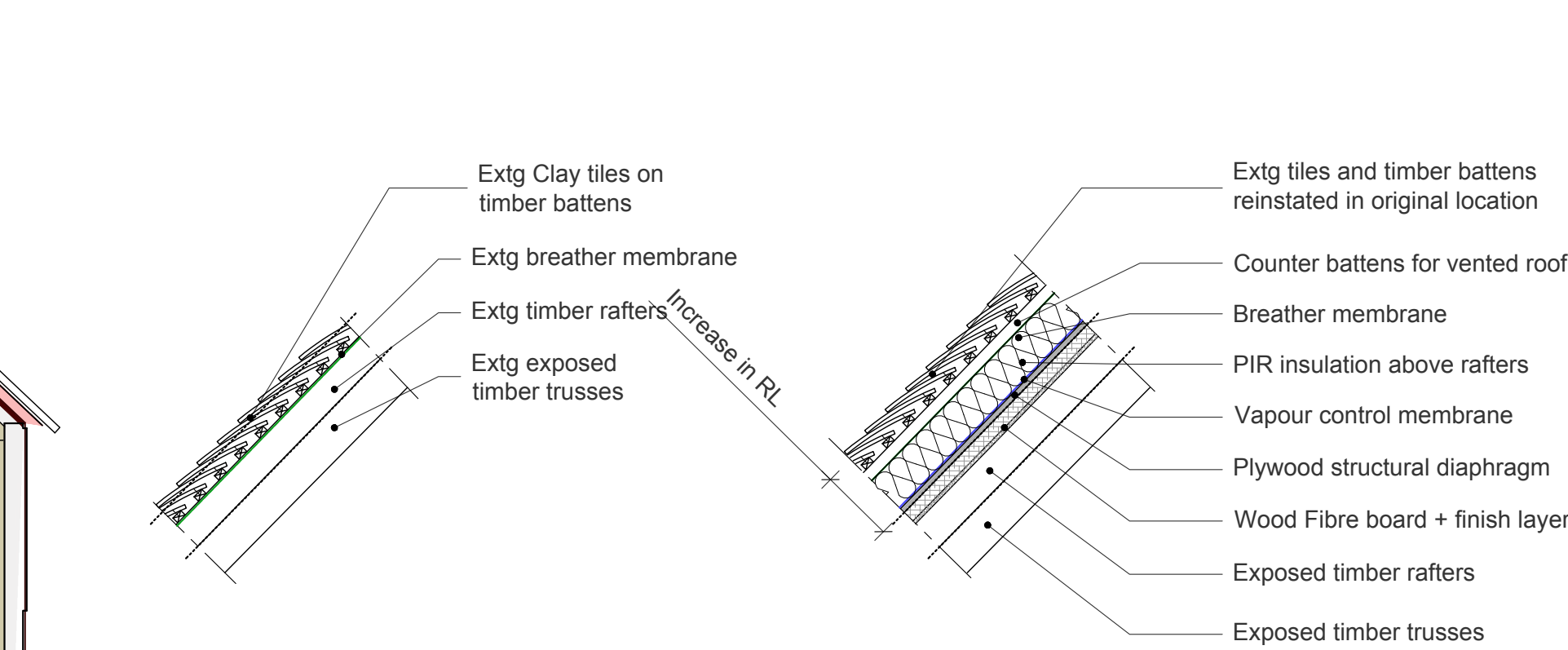
01 Barn Insulation Strategy
1:50@A1



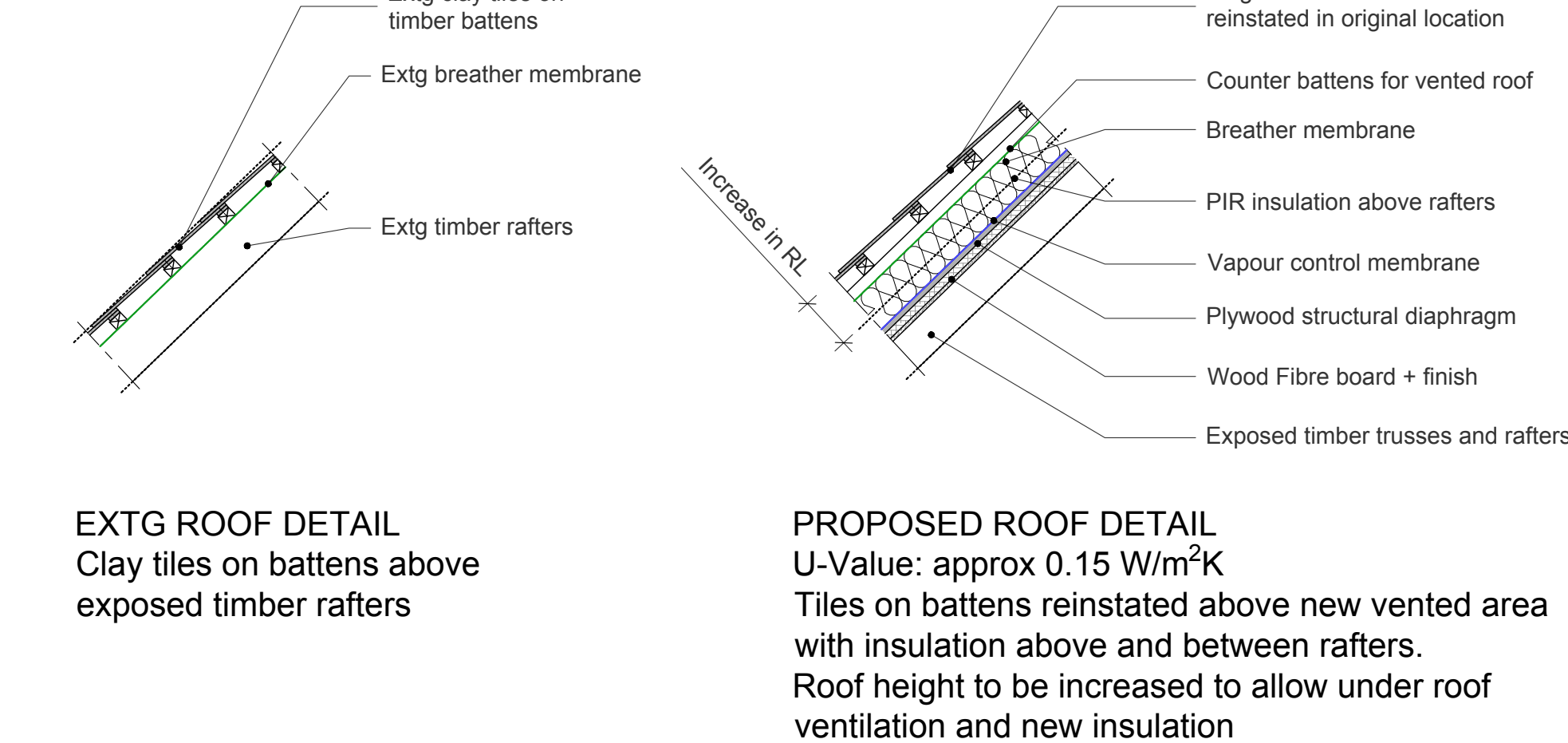
04 Stables / Cow-Shed Ins. Strategy
1:50@A1



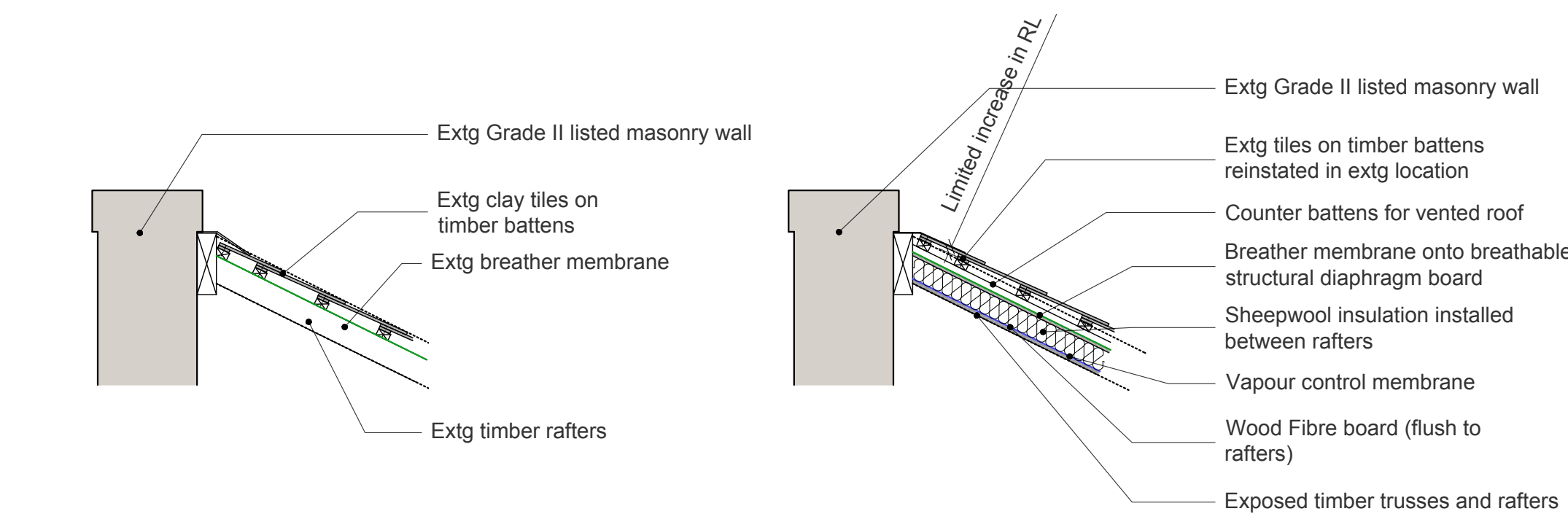
06 Byre Insulation Strategy
1:50@A1



02 Barn Insulation Proposal
1:20@A1



05 Stables and Cow-Shed Insulation Proposal
1:20@A1

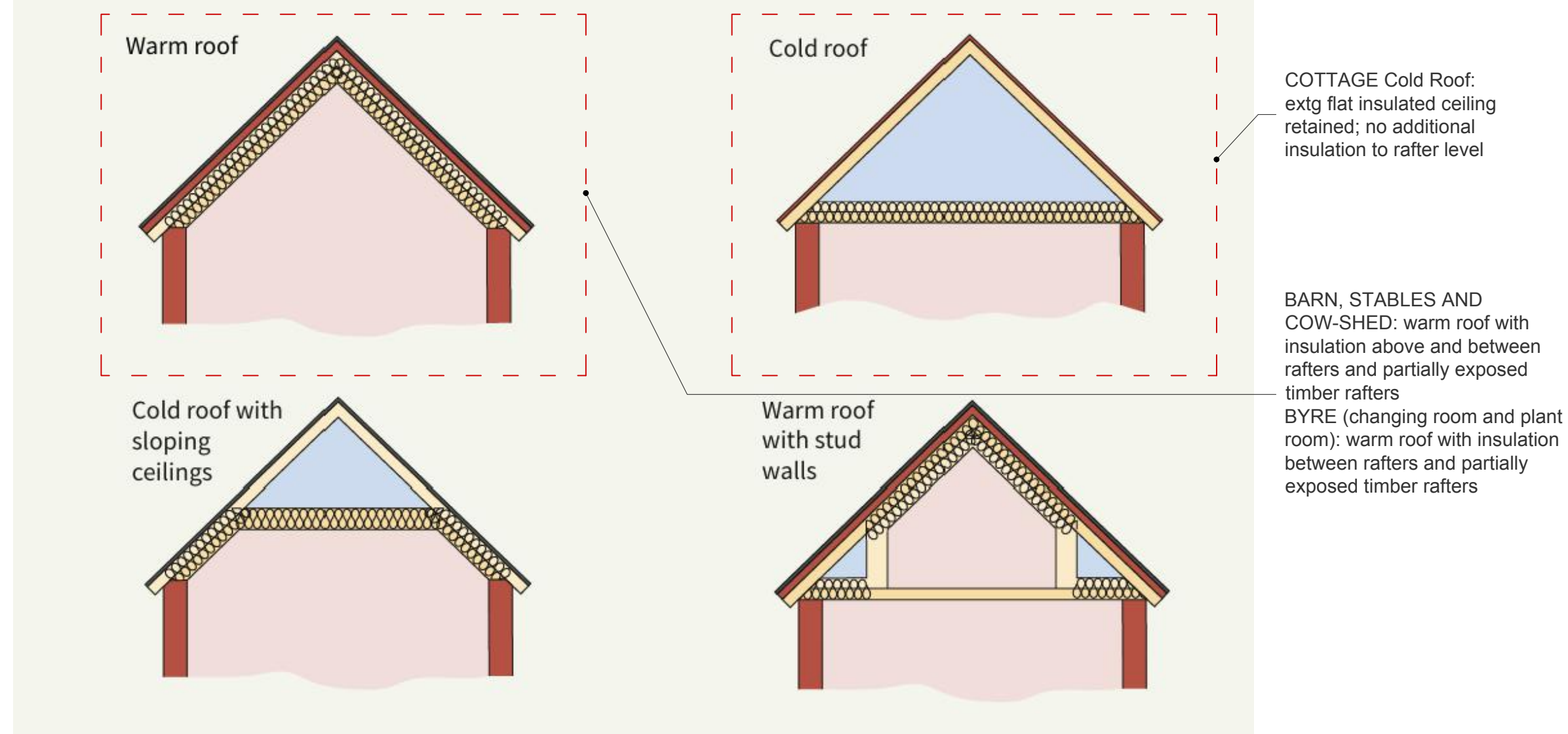


07 Byre Insulation Proposal
1:20@A1

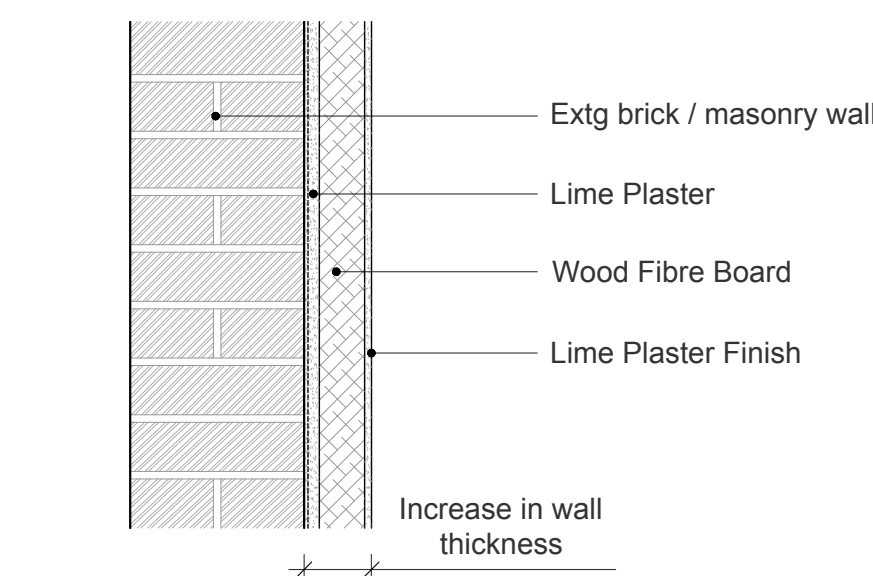


Warm Roofs and Cold Roofs

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.

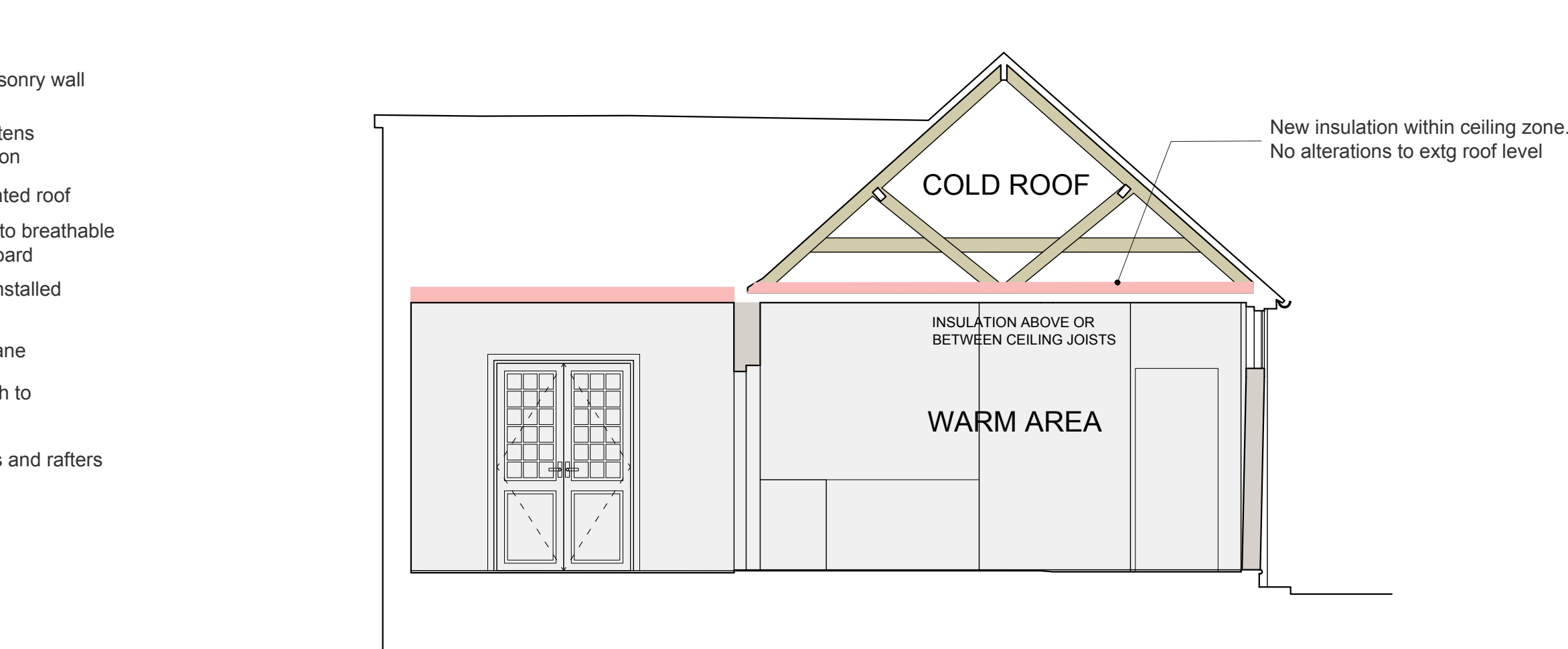


03 HE Pitched Roof Insulation Strategies
from "Energy Efficiency and Historic Buildings: Insulating pitched roofs at rafter level" (Historic England)



09 Solid wall thermal upgrade
1:10@A1

PROPOSED WALL DETAIL
U-Value: approx 0.45 W/m²K (depending on extg masonry wall thickness)
Existing masonry wall and plinths to be thermally upgraded with wood fibre insulation fixed to the wall inner face, finished with lime plaster. The new internal insulation will cause no alteration to the buildings external appearance. The breathable insulation allows any moisture to evaporate to room side, preventing moisture build ups in the wall thickness



08 Cottage Insulation Strategy
1:50@A1

GENERAL NOTE
Insulation and finishes selected to illustrate indicatively RPA's design intent and may be subject to variation

LEGEND

Exposed timber structure

Insulation layers above and between rafters

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Checked by
JM

Drawn by
MP

Date
18.12.25

Description
Planning

Job No
335

Project
Sunte House

Title
Sunte House
Farmyard and Barn Insulation Strategy

Drg No
FA-DR-00-501

Scale
as shown@A1

Date of First Issue
18.12.25

Rev
-

Status
Planning

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