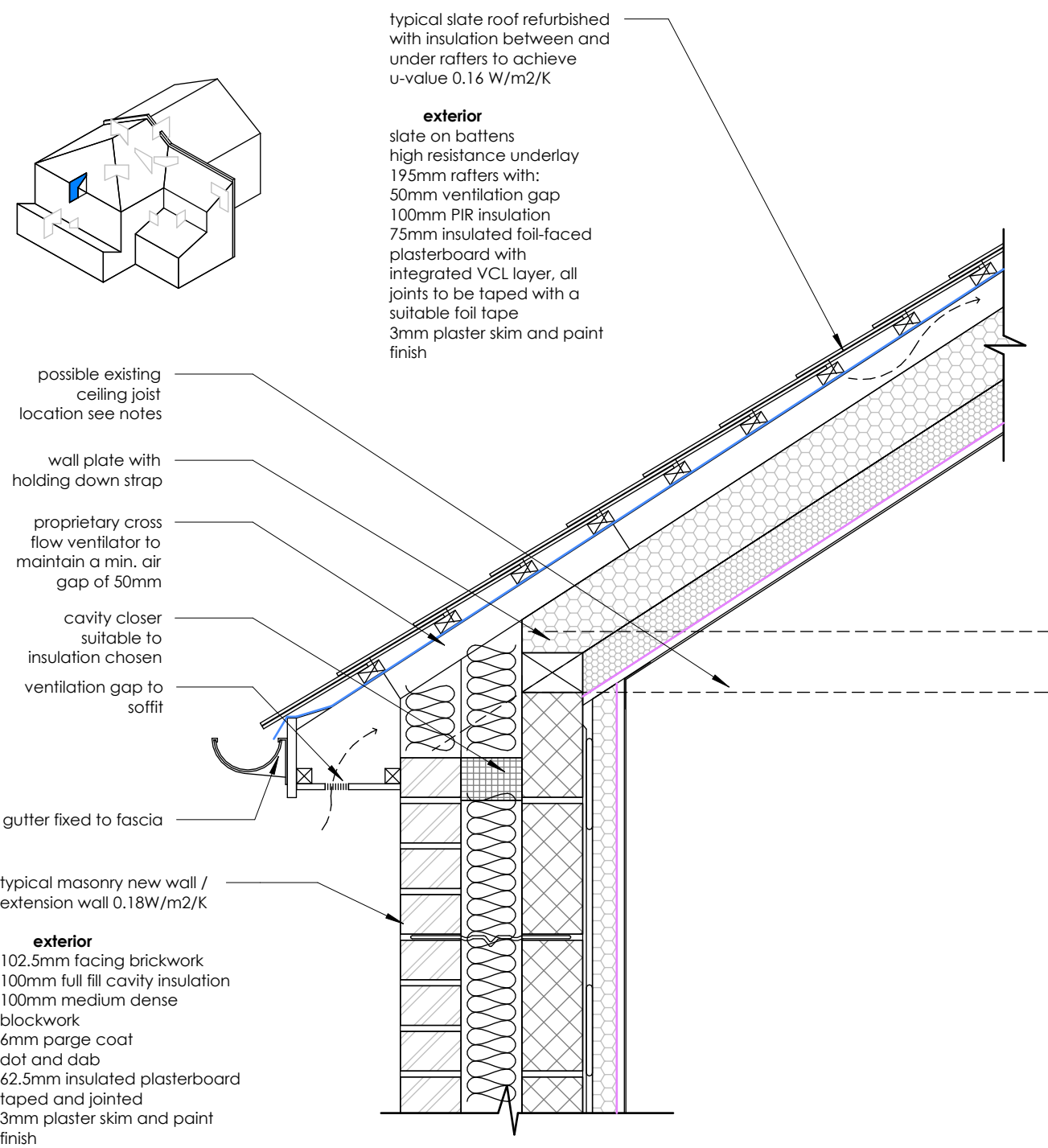


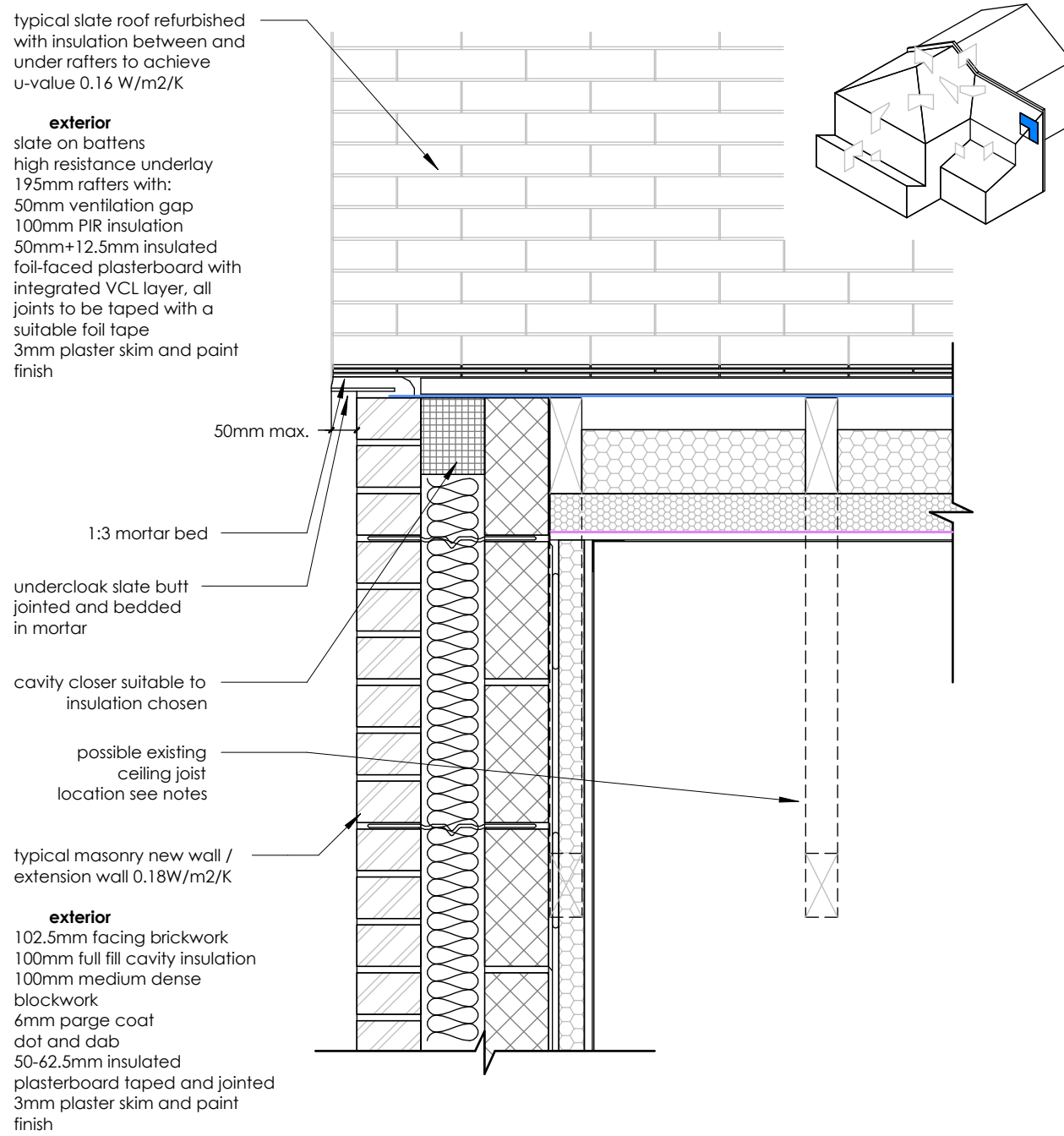


MC172

Eaves detail to masonry cavity wall - refurbished/new slate roof - insulation between and under rafters

Detail Notes:
Ventilation requirements are dependant on the existing roof requirements, insulation specification, location and exposure of the roof. Proprietary cross flow ventilator may not be required with rigid insulation.
Detail shows natural slates which allow for some background passive ventilation of the batten void, do not use this detail with flat / artificial slates. Ventilation requirements based on roof location, orientation and exposure, contact natural slate supplier / specialist installer for recommendations.
Roof structure is indicative and should be adapted to structural engineer's specification. Any removal of existing timber in the roof/ceiling should be approved by the structural engineer.
Cavity barrier specification should be based on insulation specification and type of construction (extension, new-build, party wall, multiple units, etc). Cavity insulation should be amended to suit exposure requirements. Brick ties should be suitable to cavity width, masonry construction and insulation specification.
Wall shown is suitable for exposure zone 3 within the UK, wall build up to be amended such as adding render or widening the cavity for higher exposure zones.

Typical slate roof refurbished with insulation between and under rafters to achieve u-value 0.16 W/m2/K.
Typical slate roof as new fabric element in existing dwelling with insulation between and under rafters to achieve u-value 0.15 W/m2/K.

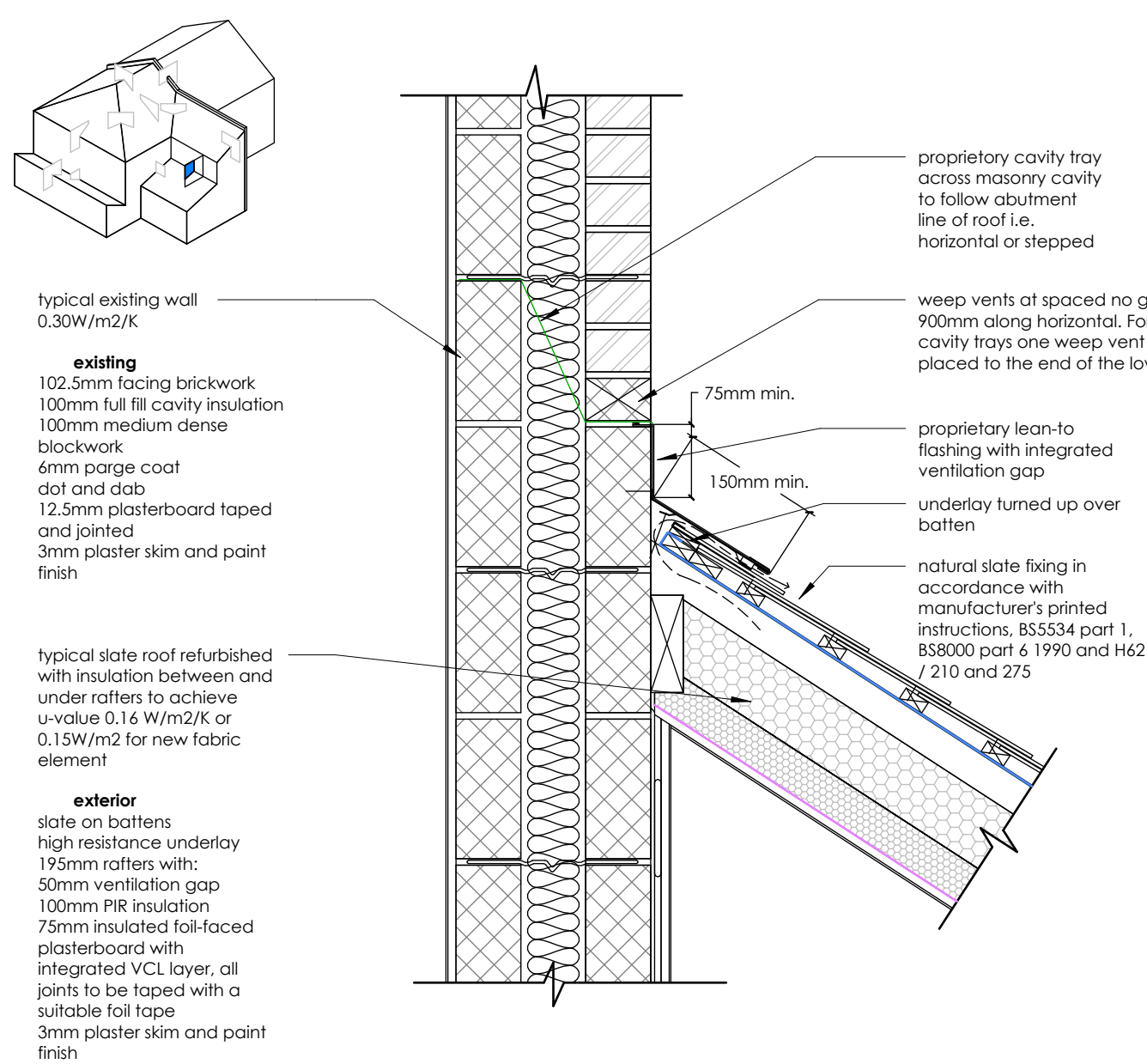


MC173

Gable / verge detail to cavity wall - refurbished slate roof - insulation between and under rafters

Detail Notes:
Ventilation requirements are dependant on the existing roof requirements, insulation specification, location and exposure of the roof.
Detail shows natural slates which allow for some background passive ventilation of the batten void, do not use this detail with flat / artificial slates. Ventilation requirements based on roof location, orientation and exposure, contact natural slate supplier / specialist installer for recommendations.
Roof structure is indicative and should be adapted to structural engineer's specification. Any removal of existing timber in the roof/ceiling should be approved by the structural engineer.
Cavity barrier specification should be based on insulation specification and type of construction (extension, new-build, party wall, multiple units, etc). Cavity insulation should be amended to suit exposure requirements. Brick ties should be suitable to cavity width, masonry construction and insulation specification.
Wall shown is suitable for exposure zone 3 within the UK, wall build up to be amended such as adding render or widening the cavity for higher exposure zones.

Typical slate roof refurbished with insulation between and under rafters to achieve u-value 0.16 W/m2/K.
Typical slate roof as new fabric element in existing dwelling with insulation between and under rafters to achieve u-value 0.15 W/m2/K.



MC175

Existing masonry cavity wall to lean-to vented abutment detail - refurbished/new slate roof - insulation between and under rafters

Detail Notes:
Detail shows traditional apron that may be found in existing properties. A lead detail is not recommended for a standard new build construction. Lead is toxic and there are a number of alternatives, including PFC aluminium, PVC and other specific flexible lead alternatives.
Ventilation requirements are dependant on the existing roof requirements, insulation specification, location and exposure of the roof.
Detail shows natural slates which allow for some background passive ventilation of the batten void, do not use this detail with flat / artificial slates. Ventilation requirements based on roof location, orientation and exposure, contact natural slate supplier / specialist installer for recommendations.
Roof structure is indicative and should be adapted to structural engineer's specification.
Cavity barrier specification should be based on insulation specification and type of construction (extension, new-build, party wall, multiple units, etc). Cavity insulation should be amended to suit exposure requirements. Brick ties should be suitable to cavity width, masonry construction and insulation specification.
Wall shown is suitable for exposure zone 3 within the UK, wall build up to be amended such as adding render or widening the cavity for higher exposure zones.
Typical slate roof refurbished with insulation between and under rafters to achieve u-value 0.16 W/m2/K.
Typical slate roof as new fabric element in existing dwelling with insulation between and under rafters to achieve u-value 0.15 W/m2/K.

1 MC172

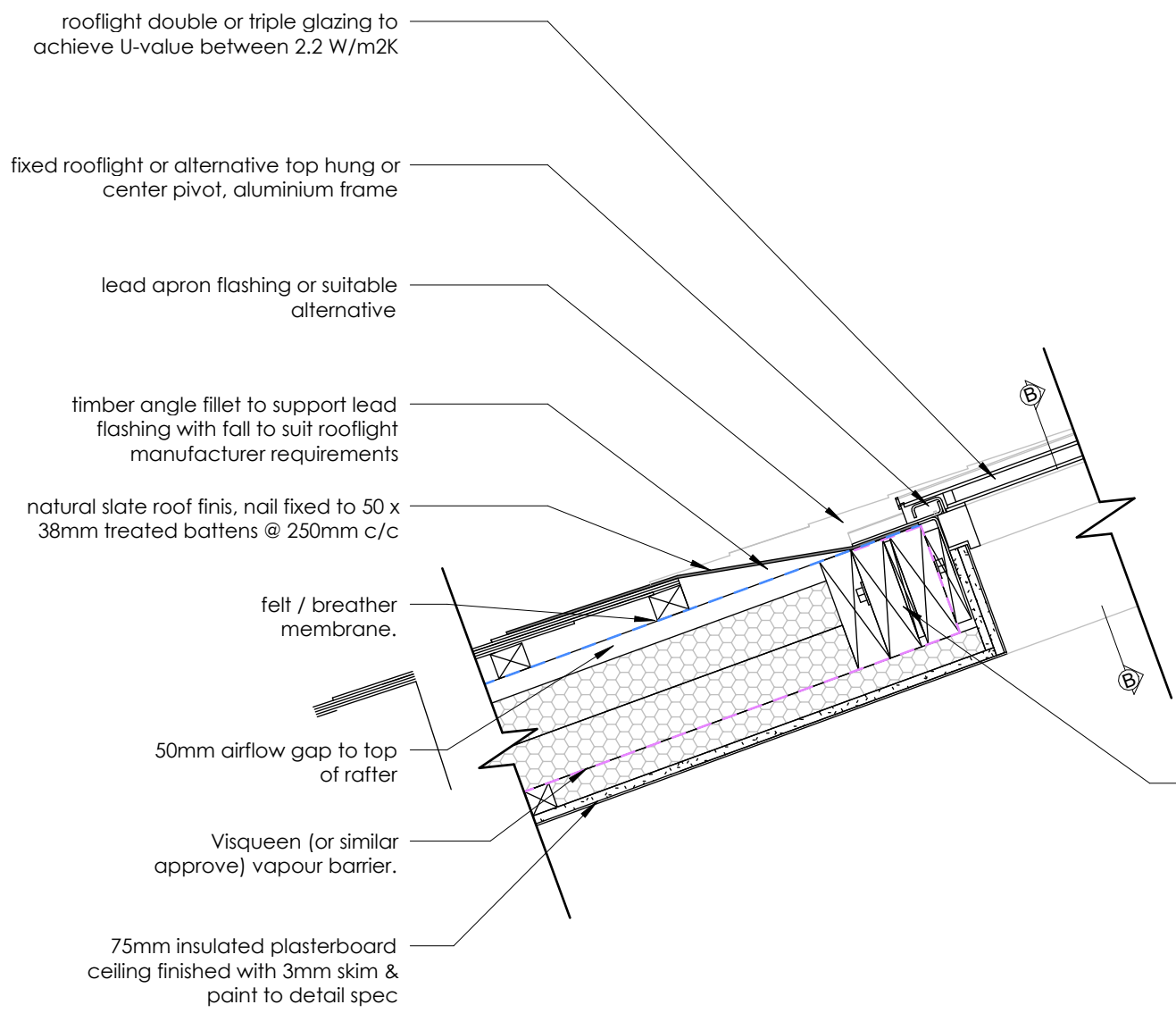
1 : 10

2 MC173

1 : 10

3 MC175

1 : 10



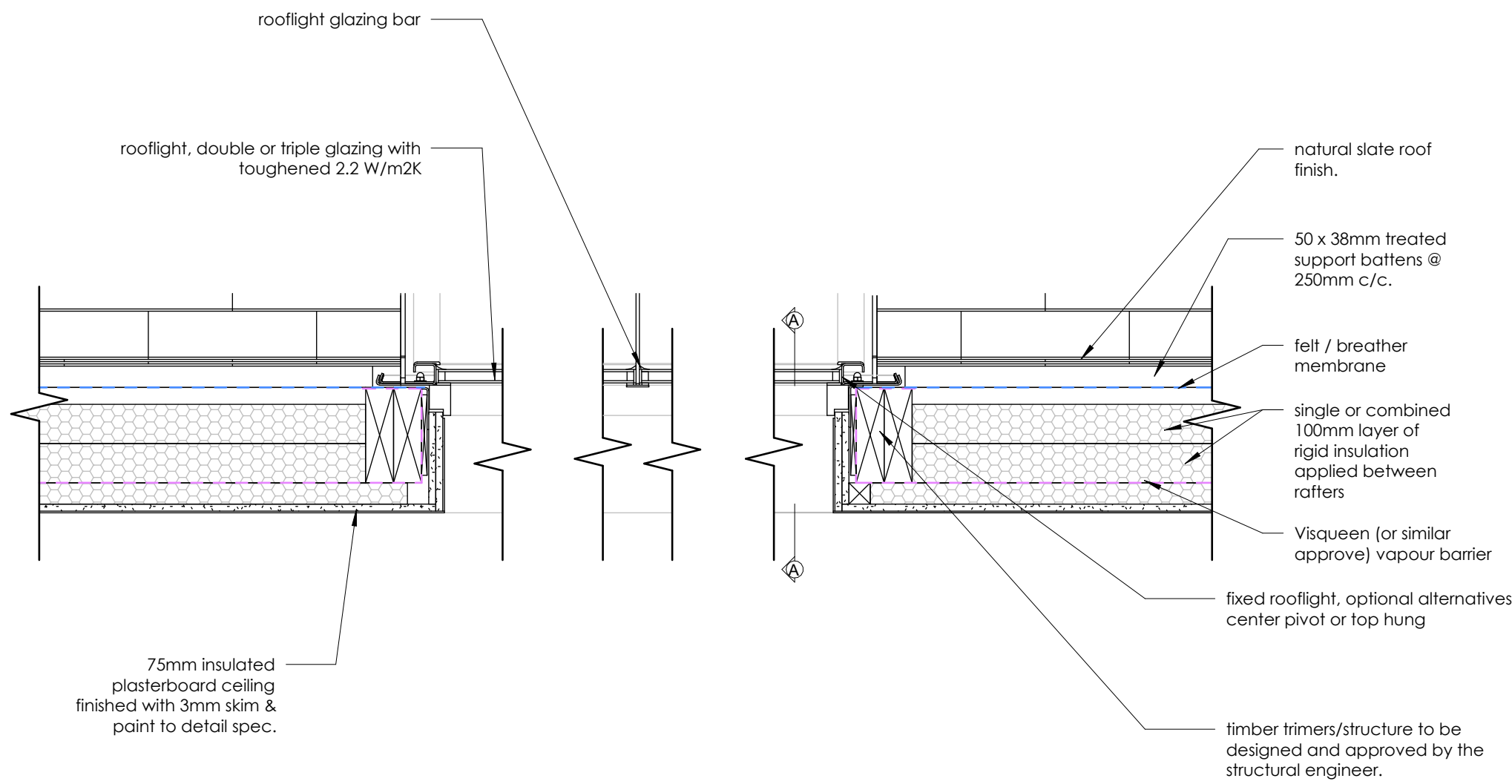
MC178

ROOFLIGHT DETAIL ON SLATE FINISHED ROOF: LONGITUDINAL SECTION A - A

Detail Notes:
rooflight to achieve a U-value between 2.2 W/m2K, double or triple glazed.
Roof Construction to achieve a 'U' Value of 0.15W/m2K for new fabric elements, 0.16W/m2K for existing. Potential thermal bridge area at rafter support overcome by installing overlapped high performing rigid insulation or similar.

4 MC178

1 : 10



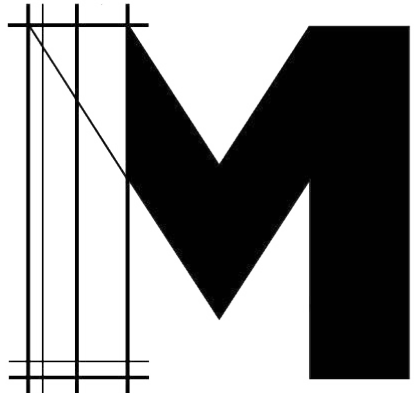
MC178A

ROOFLIGHT DETAIL ON SLATE FINISHED ROOF: CROSS SECTION B - B

Detail Notes:
rooflight to achieve a U-value between 2.2 W/m2K, double or triple glazed.
Roof Construction to achieve a 'U' Value of 0.15W/m2K for new fabric elements, 0.16W/m2K for existing. Potential thermal bridge area at rafter support overcome by installing overlapped high performing rigid insulation or similar.

5 MC178A

1 : 10



MOOSECONSULTING

CLIENT REVIEW

ISSUE STATUS

CLIENT
MR & MRS GREEN

PROJECT
FAIRHAVEN

REV	DESCRIPTION	DATE
A	CLIENT REVIEW	24.03.25

Notes

- Structural calculations, guidance or notes of any is for guidance only, not for construction. You must engage a structural engineer.
- All documentation provided does not limit your liability in respect to the engagement and full compliance of Planning and/or Building Control.
- The nominated Building Control officer has the right to superceed any and all of the information contained within this document. You are required by Law to comply with the explicit directions given by your Building Control officer.

PROJECT ID	DATE of ISSUE
2503101	24.03.25

SCALE (@ A1)	REV
1 : 10	A

TITLE
DETAILS SHEET 3

DWG No.

A511

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