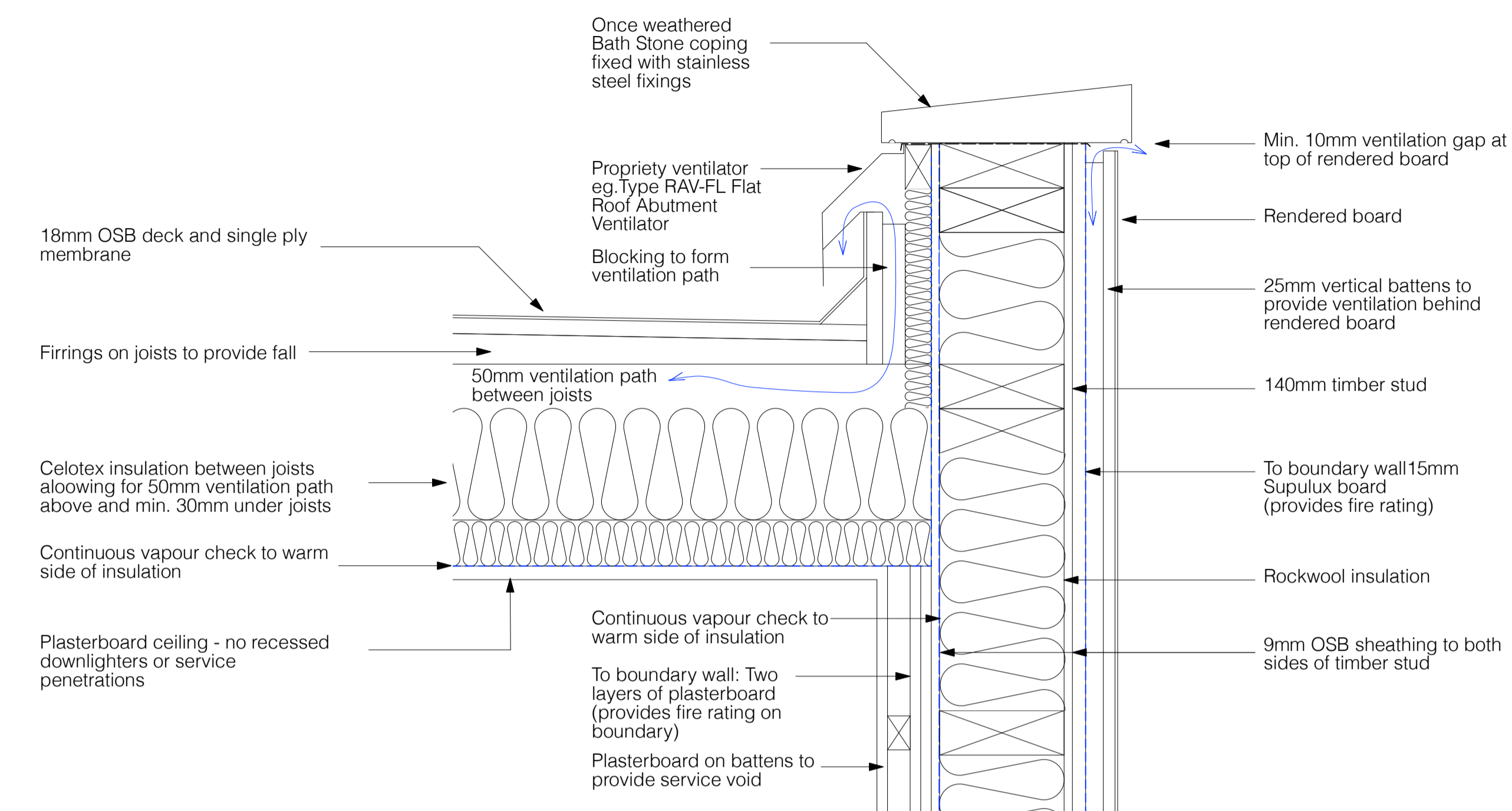
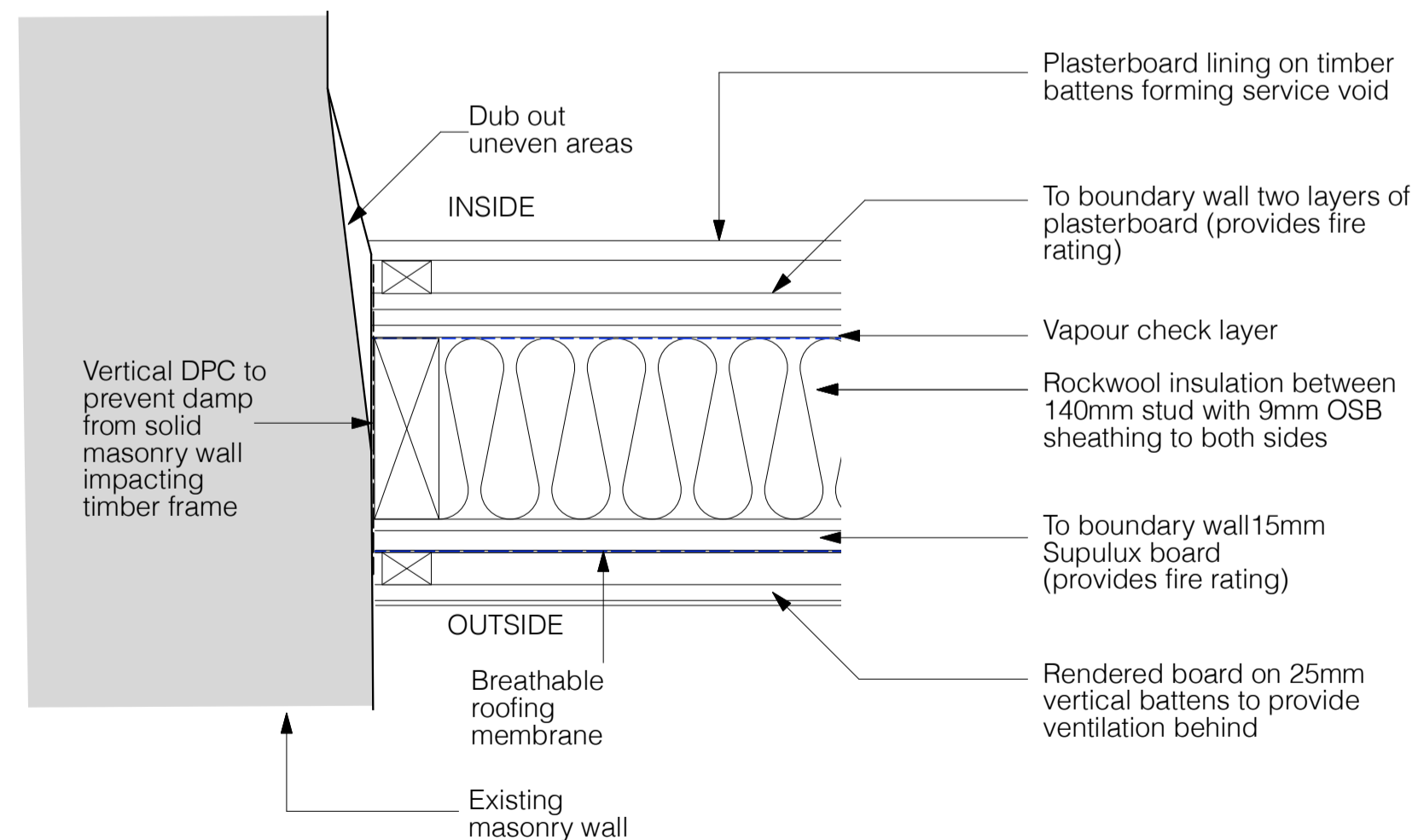


SECTION DETAIL : ABUTMENT OF NEW FLAT ROOF TO EXISTING REAR WALL



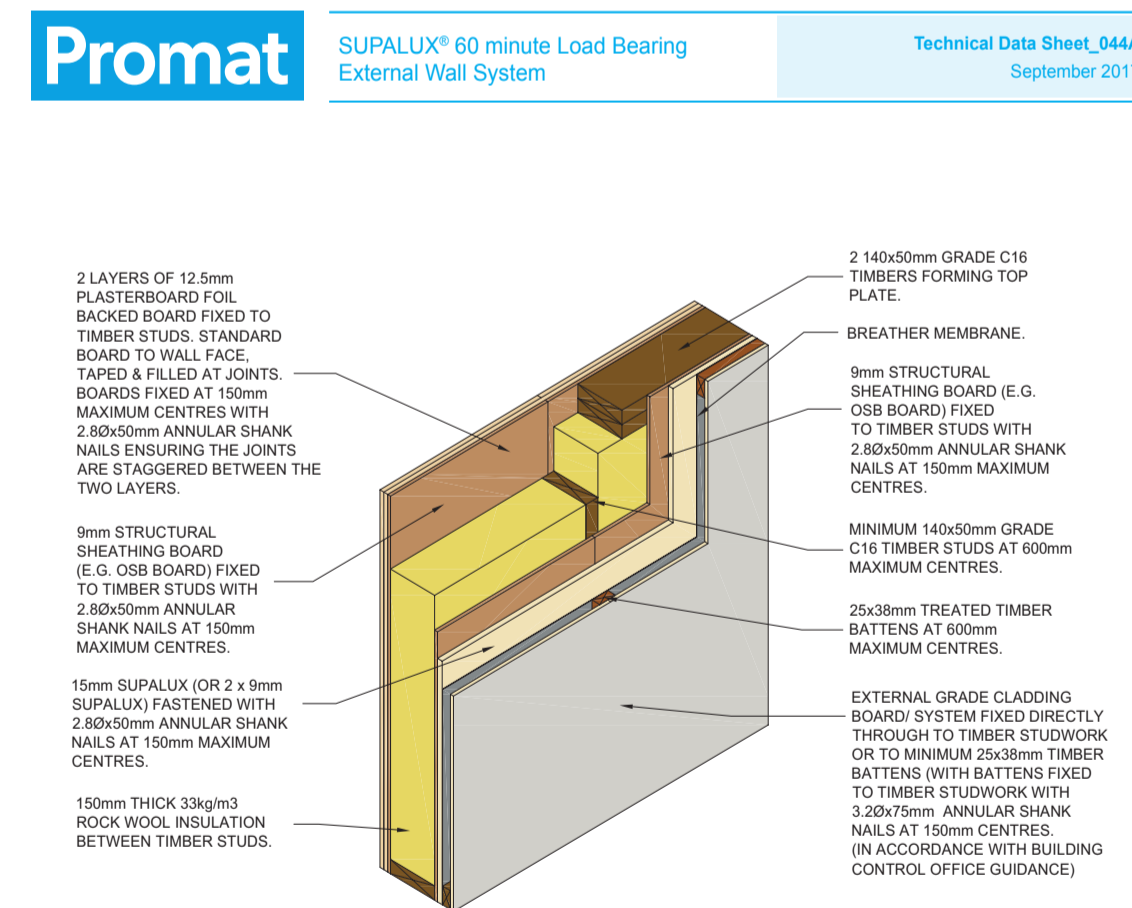
SECTION DETAIL : ABUTMENT OF NEW FLAT ROOF TO NEW WALL

Addition 2 layers of plasterboard internally and 15mm Supulux externally to provide 60 min fire rating on boundary wall - see Promat data sheet



PLAN DETAILS : ABUTMENT OF NEW WALL TO EXISTING WALL

Addition 2 layers of plasterboard internally and 15mm Supulux externally to provide 60 min fire rating on boundary wall - see Promat data sheet



CONSTRUCTION

Typically minimum 140mm-deep structural frame with timber studs at maximum 600mm centres, clad internally with two layers of 12.5mm thick plasterboard (with vapour control layer) and a layer of 9mm thick structural sheathing board\* (e.g. OSB). The void between the timber studs is filled with 140mm thick x minimum 33g/m<sup>3</sup> rock wool (thickness increased to fully fill the void if a deeper stud is used).

The external build up comprises of one layer of 9mm structural sheathing board\*, one layer of 15mm SUPALUX® (or two layers of 9mm SUPALUX®) and a layer of breather membrane. An external grade cladding board or system should be fixed either through to timber studwork or into the timber battens.

\* Note: thickness and type of structural sheathing board to be confirmed by structural engineer.

OVERALL THICKNESS

Nominal 200mm (based on construction above, excluding external cladding system).

MAXIMUM HEIGHT

3000mm

NOMINAL WEIGHT

80kg/m<sup>2</sup>

FIRE PERFORMANCE

60 minutes integrity and insulation, BS 476: Part 21

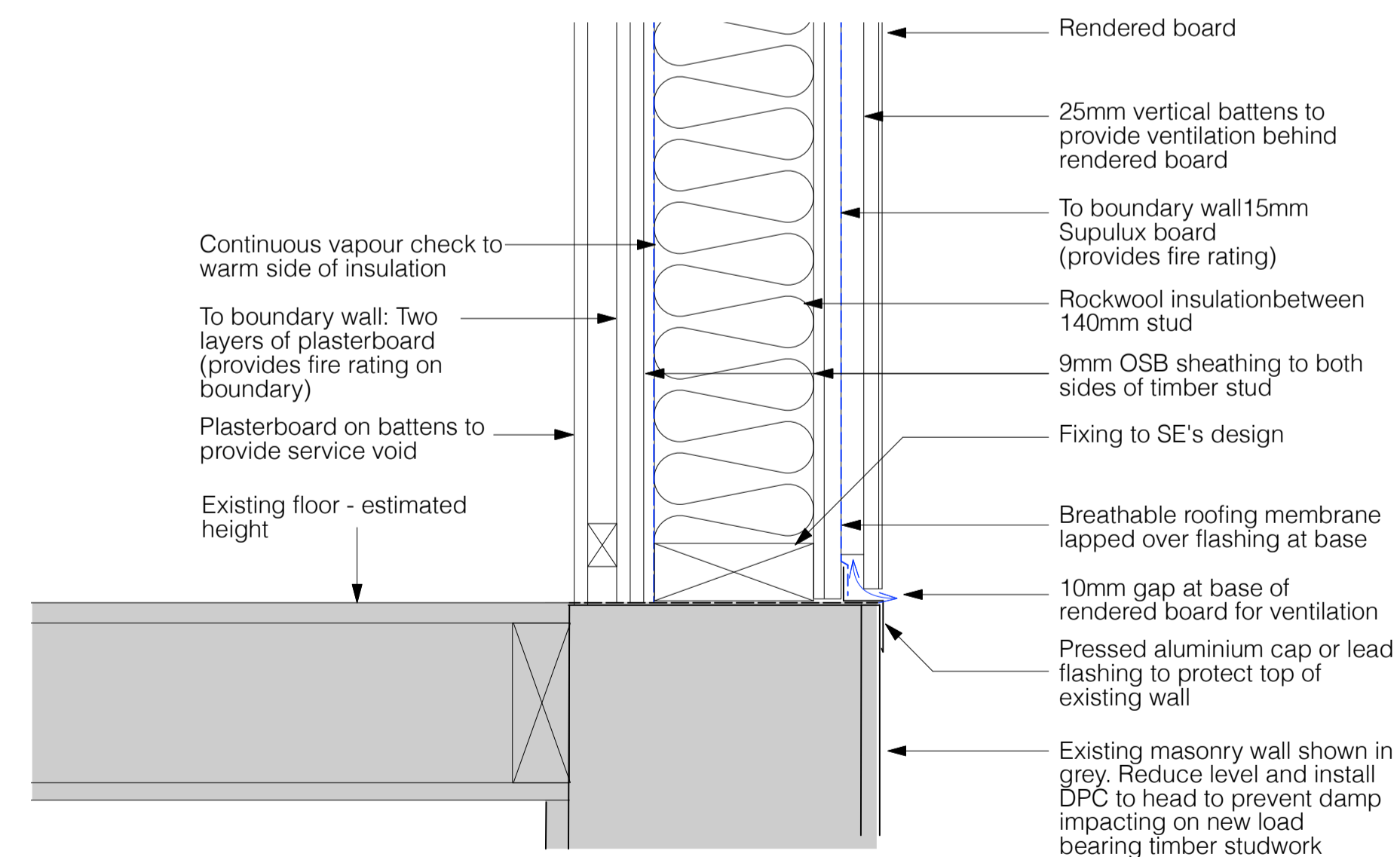
U VALUE

0.26 W/m<sup>2</sup>K (based on construction above, rock wool insulation λ 0.035 W/mK)

Important Note: All timber frame members should be designed in accordance with the requirements of BS 5268 (Structural use of timber).

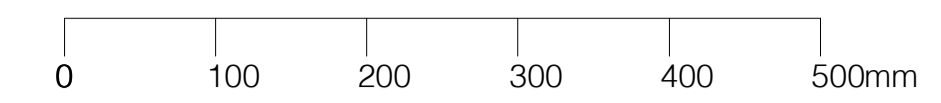
AUTHORITY: PROMAT RECOMMENDATION - BASED ON IN-HOUSE KNOWLEDGE AND TECHNICAL EXPERIENCE

Etex Building Performance Limited  
Marsh Lane, Bristol BS20 0NE | 0800 145 6033  
technical.promat@etextp.co.uk | www.promat.co.uk



SECTION DETAIL : ABUTMENT OF NEW FLAT ROOF TO NEW WALL

Addition 2 layers of plasterboard internally and 15mm Supulux externally to provide 60 min fire rating on boundary wall - see date sheet below



Render finish to match existing which is a smooth sand cement render.

For rendered board use: Knauf Aquapanel Cement Board Outdoor with sand cement render with finish and colour to match existing

11.08.22 AM First Issue  
Rev Date Initials Details

Purpose of Issue  
DISCHARGE OF CONDITIONS

RICHARD PEDLAR ARCHITECTS  
ARCHITECTURE • CONSERVATION • URBAN DESIGN

RPCA 4 Grove Road Redland  
Bristol BS6 6UJ • 0117 974 2612  
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Project Proposed Alterations at 11 The Polygon,  
Clifton, Bristol

Client Sarah Boyce and Andy Davies

Title Proposed New Extension Details

Drawing No. BYC4432.20-

Scale 1:5 @A1

Responsibility is not accepted for errors made by others in scaling from this drawing. All construction information to be taken from figured dimensions only.