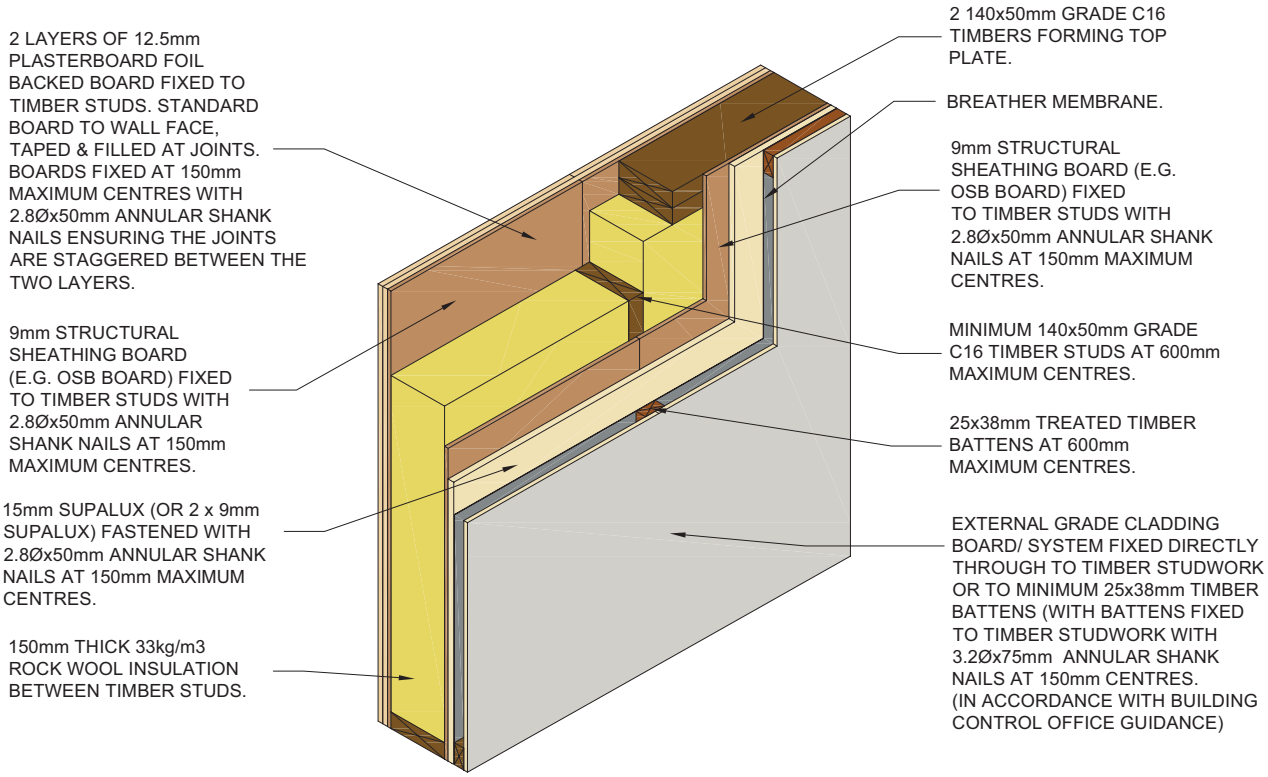

CONSTRUCTION

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 33kg/m^3 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.

OVERALL THICKNESS

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

MAXIMUM HEIGHT

3000mm

NOMINAL WEIGHT

80kg/m^2

FIRE PERFORMANCE

60 minutes integrity and insulation, BS 476: Part 21

U VALUE

0.26 W/m^{2}K (based on construction above, rock wool insulation λ 0.035 W/mK)

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

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

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