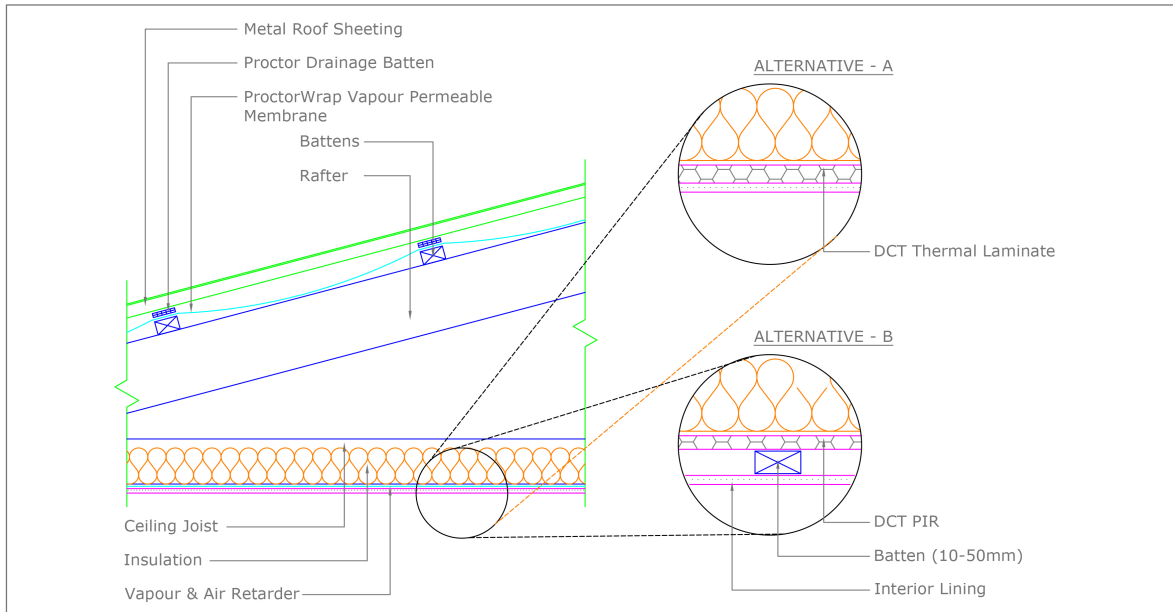


commercial pitched metal roof with flat ceiling

ProctorWrap HTR DCT PIR (vapour barrier)



Location: Under profiled metal roofing

Material
Sarking Membrane: ProctorWrap HTR breathable (vapour permeable) membrane with vapour resistance of not more than 0.26 MNs/g.

Installation: ProctorWrap HTR should be laid directly under metal roofing and above the insulation to form a continuous membrane over the entire area of the roof, allowing any water to drain down to the gutters.

Fixing: On low pitched roofs if ProctorWrap HTR is unsupported, laps should be taped to prevent moisture draining back into the insulation

Thermal Break: Fit [thickness] mm DCT Thermal Break strip min 300kpa

Fixing: Screw fix between thermal break strips and purlin.

Acoustic Insulation: DCT Vento R [Glasswool/polyester] batt (not foil faced)

Safety Mesh: To AS 4389

Total R-Value: [Complete]

Location: Horizontal Ceiling

Insulation: DCT Vento R [Glasswool/polyester] batt

Vapour Barrier: Fix 13mm DCT PIR to underside of frame.

Standard Sizes =25,50,75mm DCT recommend a condensation risk analysis is undertaken to determine if a vapour barrier is required at the ceiling. Foil backed bulk insulation has a high risk of condensation if there is less than 2/3 of the total insulation on the cold side of the foil.

There are a large number of factors that need to be considered in assessing and managing condensation risk. Such factors include the local climate, building use, position, thickness and type of insulation, position and integrity of vapour barriers, and the degree and location of mechanical or passive ventilation both in the roof space and the interior. It is highly recommended that designers undertake a condensation risk analysis. The above is typical for a cold and temperate climate.

With standing seam roofing ensure that a drainage mat is used between the ProctorWrap HTR and the roofing.