

Sustainability and Biodiversity Statements

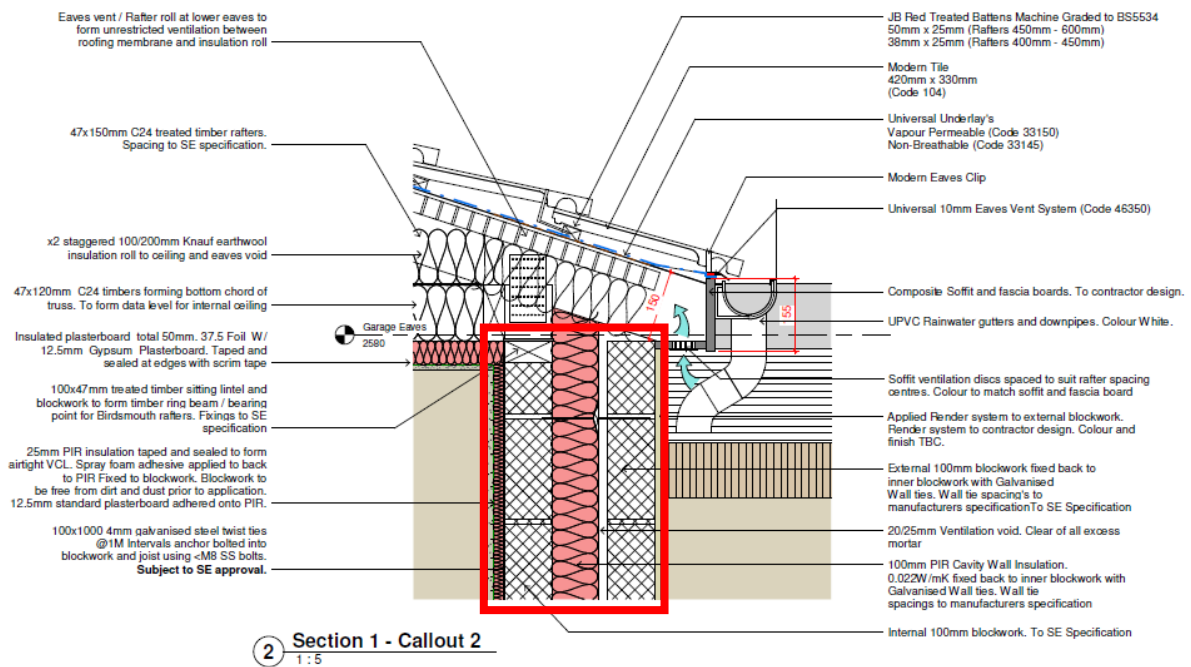
13.11.2023

Application Number: 23/02756/HHD

Sustainability

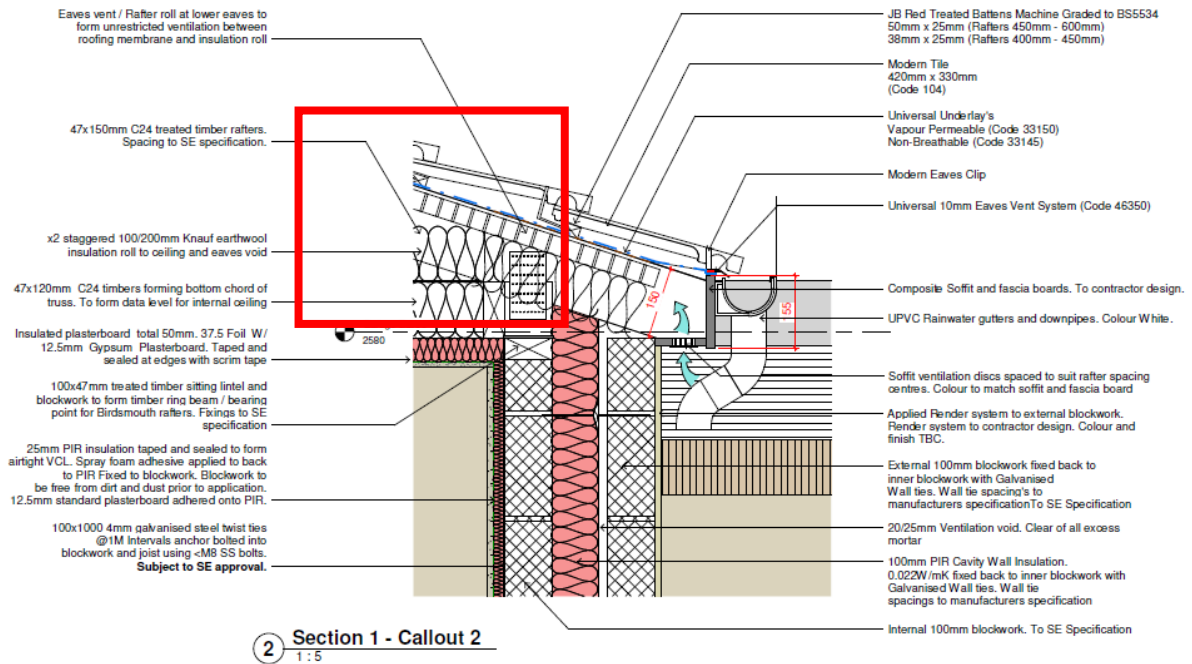
The proposals seek to increase the existing properties energy efficiency by the following.

- 1) Proposed porch construction that is better insulating with less glazing.
 - The current porch is uninsulated in walls, roof and flooring. Perimeter area ratios have been calculated with the sufficient level of flooring insulation proposed for the building regulations application and current standards. The proposed cavity wall construction creates a U value of $0.14 \text{ W}/(\text{m}^2\cdot\text{K})$ Consisting of 100mm Internal PIR with 25mm insulated plasterboard.



2) Creating a roof structure that is better insulated than the existing.

- 450mm Knauf or similar approved earth wool insulation roll with 37.5 PIR insulation to underside of ceiling. > 0.13 W/(m²·K) With the ability to increase this to 0.11 with additional layer or thicker insulation roll.



Biodiversity Statement

Please note the biodiversity form has not been completed by qualified ecologist. However, the proposals do not fall within any SSSI, SAC, SPA pr Ramsar site. The proposals seek to replace and build over the existing modern flat roof extension with no obvious areas for bats or wildlife to inhabit. See attached Biodiversity document.