



Key Plan
Scale 1:200 @ A3

Section A-A Proposed Extension Cross-sectional Area
Scale 1:50 @ A3

Section B-B Proposed Extension Cross-sectional Area
Scale 1:50 @ A3

Existing Extension Volume = $4.535 \times 5.25 = 23.80875\text{m}^3$

Max extension volume permitted = 40m^3

Max additional volume permitted = $40 - 23.80875 = 16.19125\text{m}^3$

Proposed roof extension volume = $(4.586 \times 3.26) + (0.182 \times 1.99) + (-0.174 \times 1.99) = 14.96628\text{m}^3$

Total volume of roof extensions = $23.80875 + 14.96628 = 38.77503\text{m}^3$

The proposed volume of extensions proposed therefore complies with permitted development criteria as the volume of roof extensions proposed is less than 40m^3 .

