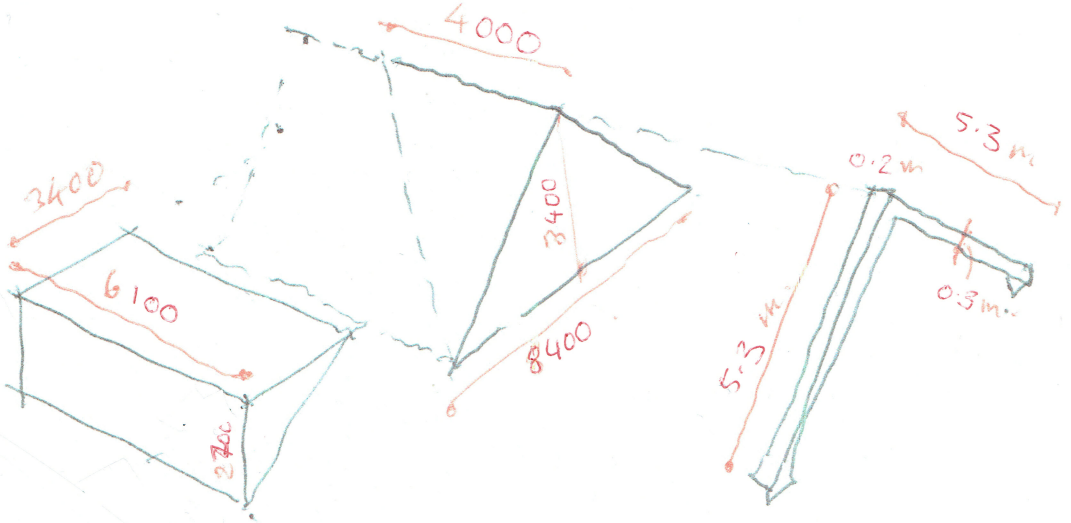
Volume calculations, re a proposed loft conversion at 54 Marlborough Avenue, Rushy.



Worst-case extra added volume = rear dormer

$= \frac{1}{2} \times 2.7 \times 3.4 \times 6.1 \quad = \underline{28.0\ m^3}$

PLUS proposed side gable $= \frac{1}{6} \times 4.0 \times 8.4 \times 3.4$

$= \underline{18.8\ m^3}$

PLUS gable soffit + fascia $= (5.5 + 5.5) \times 0.3 \times 0.2$

$= \underline{0.7 m^3}$

∴ total proposed additional loft volume =

$0.7 + 18.8 + 28.0$

$= \underline{47.5\ m^3}$

∴ as the above figure is below $50 m^3$ (allowable for a semi-detached property), this proposed volume is 'lawful'.

END - calculated