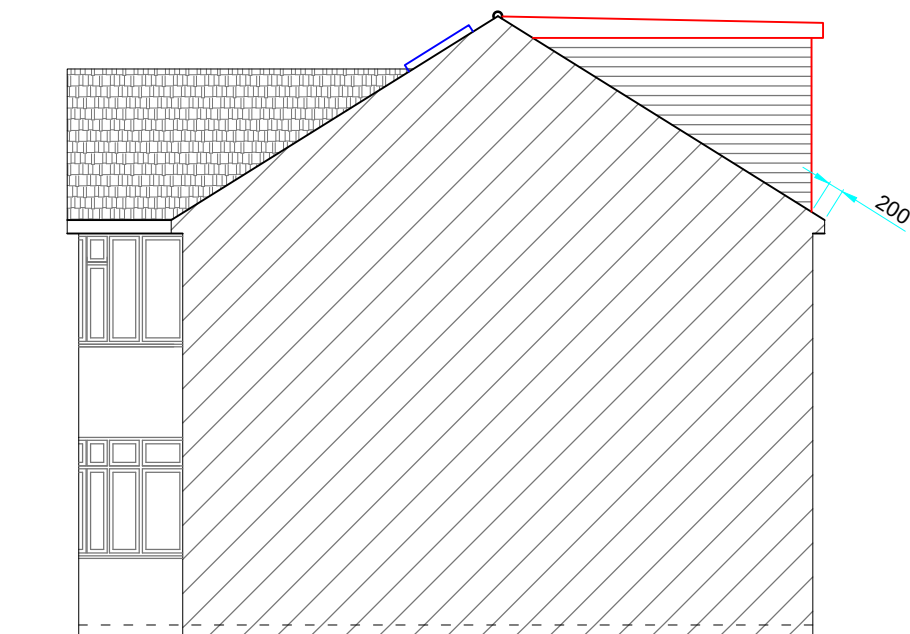




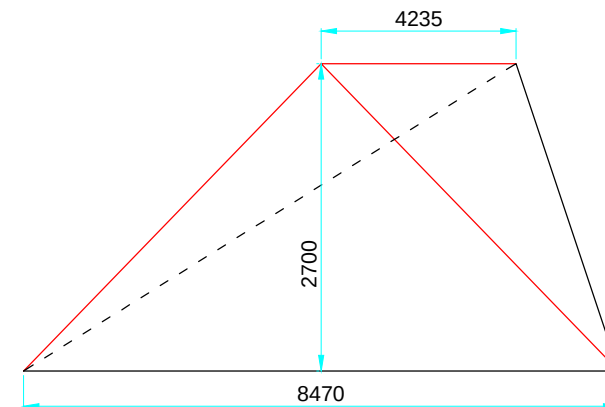
EXISTING SIDE ELEVATION (ATTACHED SIDE)
Scale 1:100



PROPOSED SIDE ELEVATION (ATTACHED SIDE)
Scale 1:100

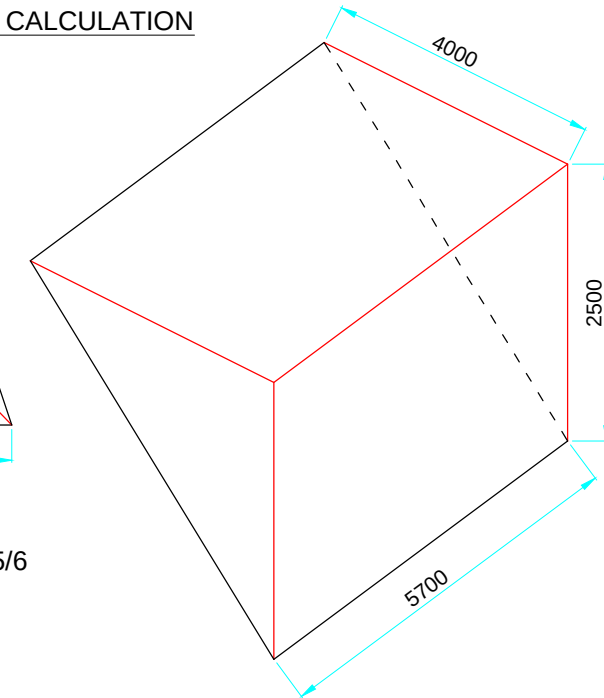
Not to Scale

VOLUME CALCULATION

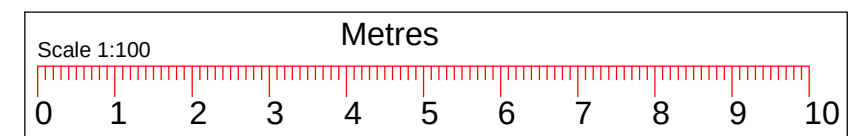


$$\begin{aligned}\text{Volume of hip to gable roof } V1 &= W \times H \times L/6 \\ &= 8.47 \times 2.7 \times 4.235/6 \\ &= 16.14 \text{ m}^3\end{aligned}$$

$$\begin{aligned}\text{Total volume} &= V1 + V2 \\ &= 16.14 + 28.5 \text{ m}^3 \\ &= 44.64 \text{ m}^3 < 50 \text{ m}^3 \text{ (permitted allowance} \\ &\quad \text{for semi-detached properties)}\end{aligned}$$



$$\begin{aligned}\text{Volume of rear dormer } V2 &= W \times H \times L/2 \\ &= 5.7 \times 2.5 \times 4/2 \\ &= 28.5 \text{ m}^3\end{aligned}$$



TITLE: LOFT CONVERSION.

CLIENT NAME :
SITE ADDRESS : 84 ABBOTSBURY GARDENS,
PINNER,
HA5 1SU.

MKM DESIGN & CONSTRUCTION LTD

Contact: M.Mathu (BSc,MSc Civil Engineering)
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IMPORTANT NOTE:

- 1.This drawing is copyright of MKM DESIGN AND CONSTRUCTION LTD . This can be used for any purposes, if it is issued/submitted by us only.
- 2.Contractors/Builder to check all dimensions on site before commencement of any works, any discrepancies to be notified to us in writing.
- 3.All works shall comply with the latest Building Regulations & be to the satisfaction of the Local Authority.
- 4.Materials shall be suitable for the purpose for which they are used & the quality shall not be lower than that defined in the relevant British standards.
- 5.The structural beam sizes shown on this drawing shall be installed once the beam sizes and structural calculations are approved by the Local Authority. Any changes to beam length and bearing plate/ bearing pier sizes to be confirmed with our engineer.

Dwg No: MKM/21/ABB84/LC01 | Page : 03/03 | Drwn By : M.MATHU | Date : 21/01/2021 | Scale : Shown@A3