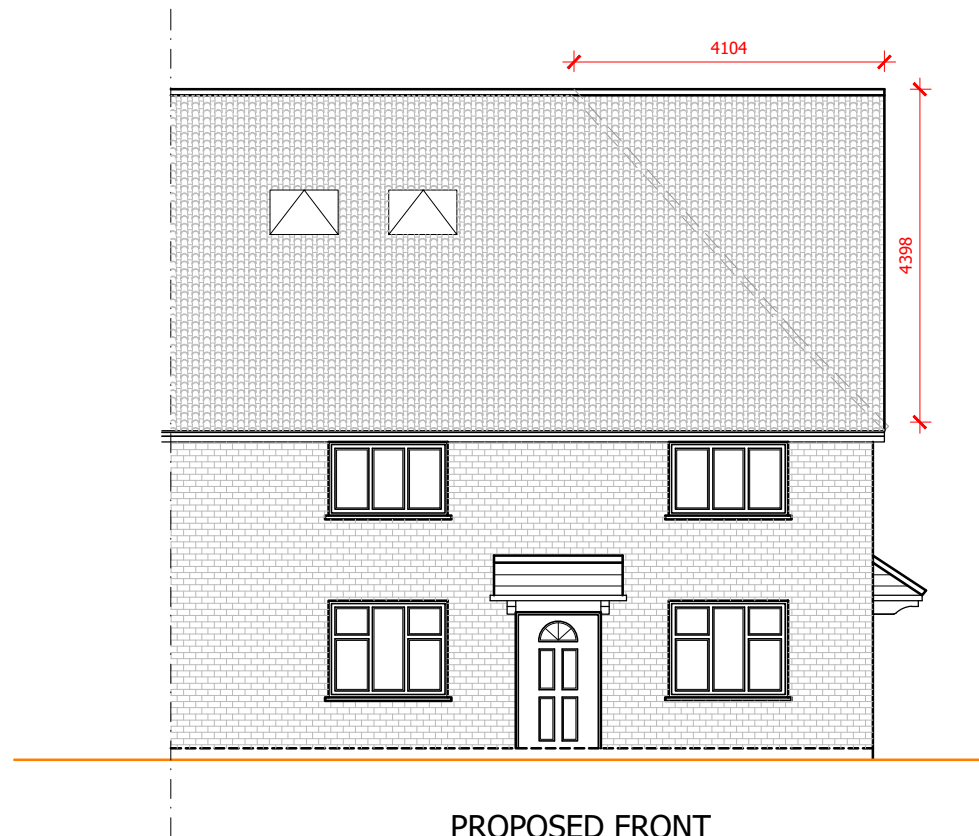
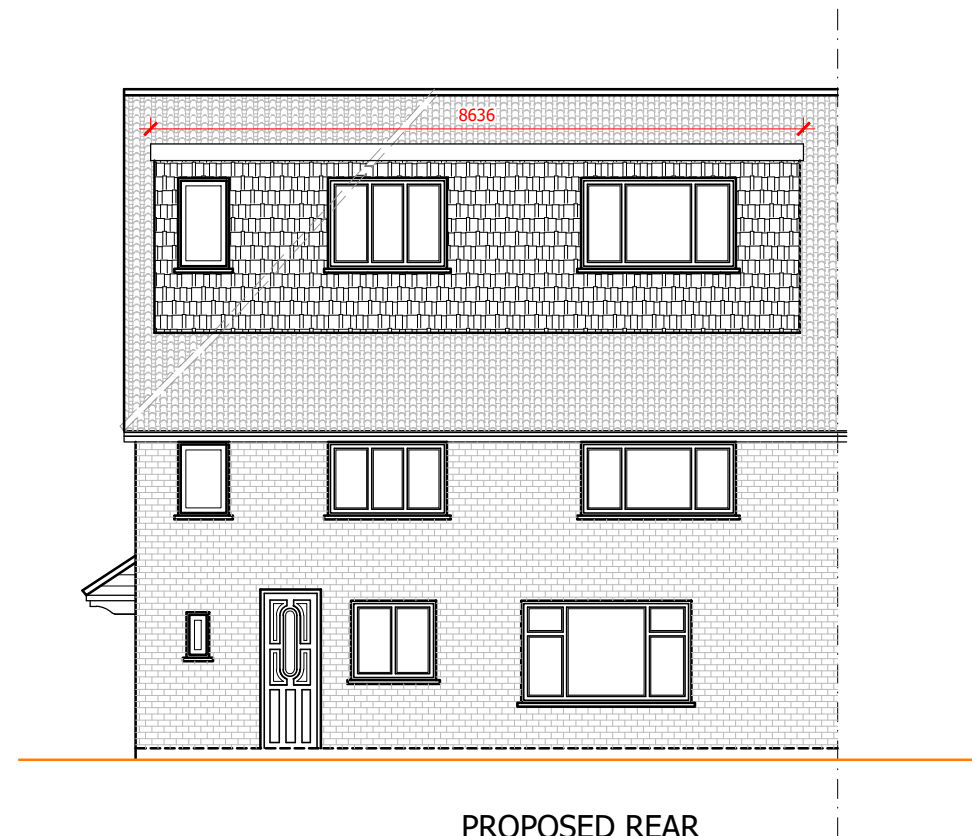




PROPOSED FRONT
ELEVATION



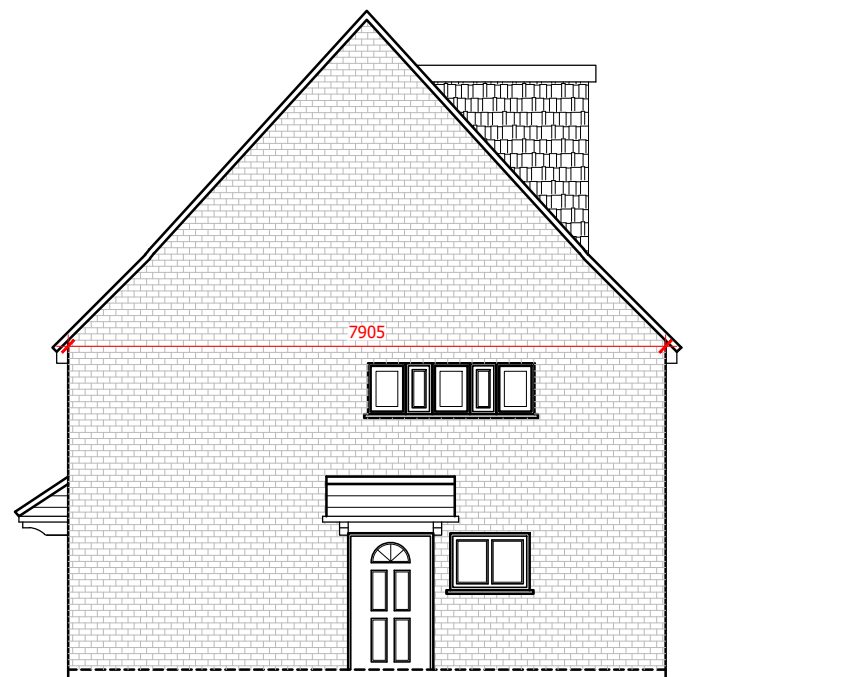
PROPOSED REAR
ELEVATION

ROOF VOLUME CALCULATIONS

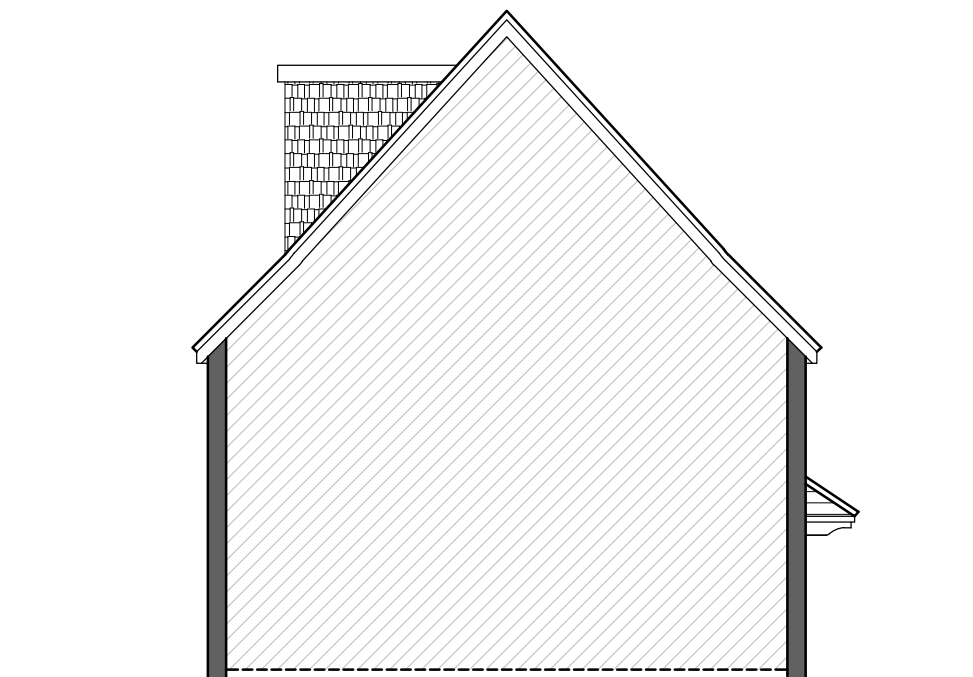
$$\begin{aligned} \text{HIP TO GABLE END} &= V1 \\ &= \frac{1}{6} (L1 \times W1 \times H1) \\ &= \frac{1}{6} (7.90 \times 4.10 \times 4.39) \\ &= \frac{1}{6} (142.19) \text{ M}^3 \\ &= 23.69 \text{ M}^3 \end{aligned}$$

$$\begin{aligned} \text{REAR DORMER} &= V2 \\ &= \frac{1}{2} (L2 \times W2 \times H2) \\ &= \frac{1}{2} (8.63 \times 2.49 \times 2.38) \\ &= \frac{1}{2} (54.69) \\ &= 25.57 \text{ M}^3 \end{aligned}$$

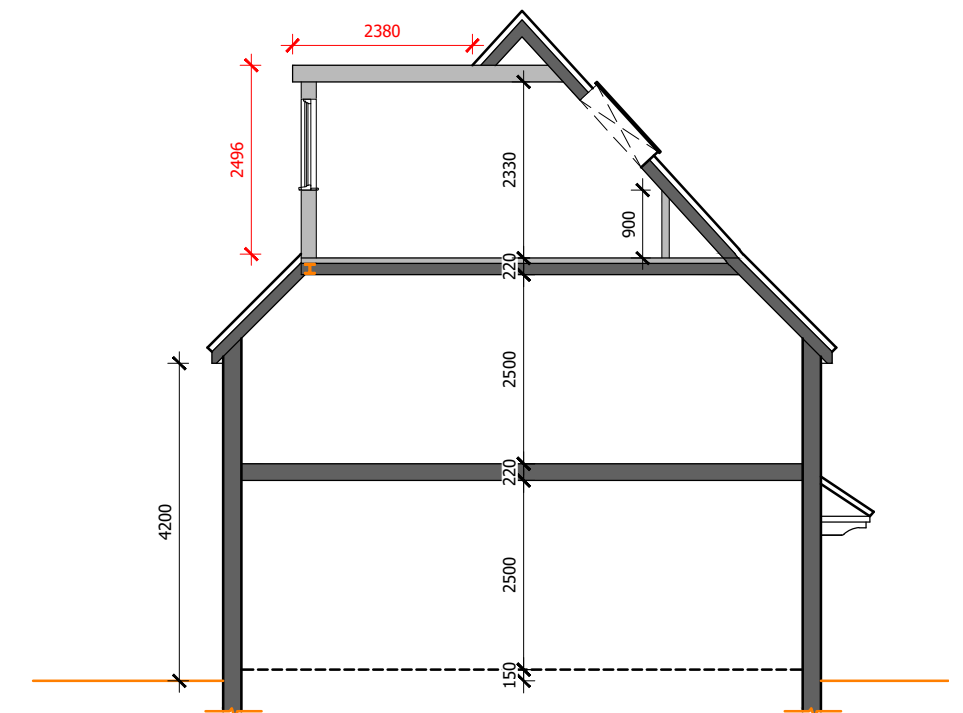
$$\begin{aligned} \text{TOTAL NEW ROOF VOLUME} &= V1 + V2 \\ &= 14.1 \text{ M}^3 + 21.97 \text{ M}^3 \\ &= 36.07 \text{ M}^3 < 50 \text{ M}^3 \end{aligned}$$



PROPOSED SIDE
ELEVATION



PROPOSED SIDE
ELEVATION



PROPOSED SECTION

0 1 2 3 4 5 6 7 8 9 10 [m]



Scale bar 1:100 @ A3

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Scale 1:100 @ A3

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Client

Drawing:
Proposed Elevations

Number:
2022/004/01

Date:
January 2022