



**Volume calculations**

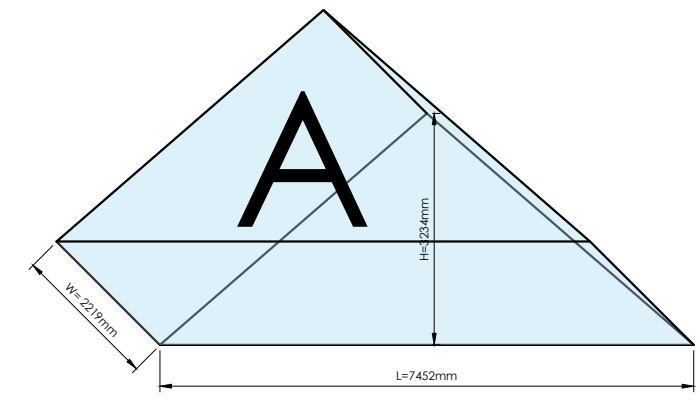
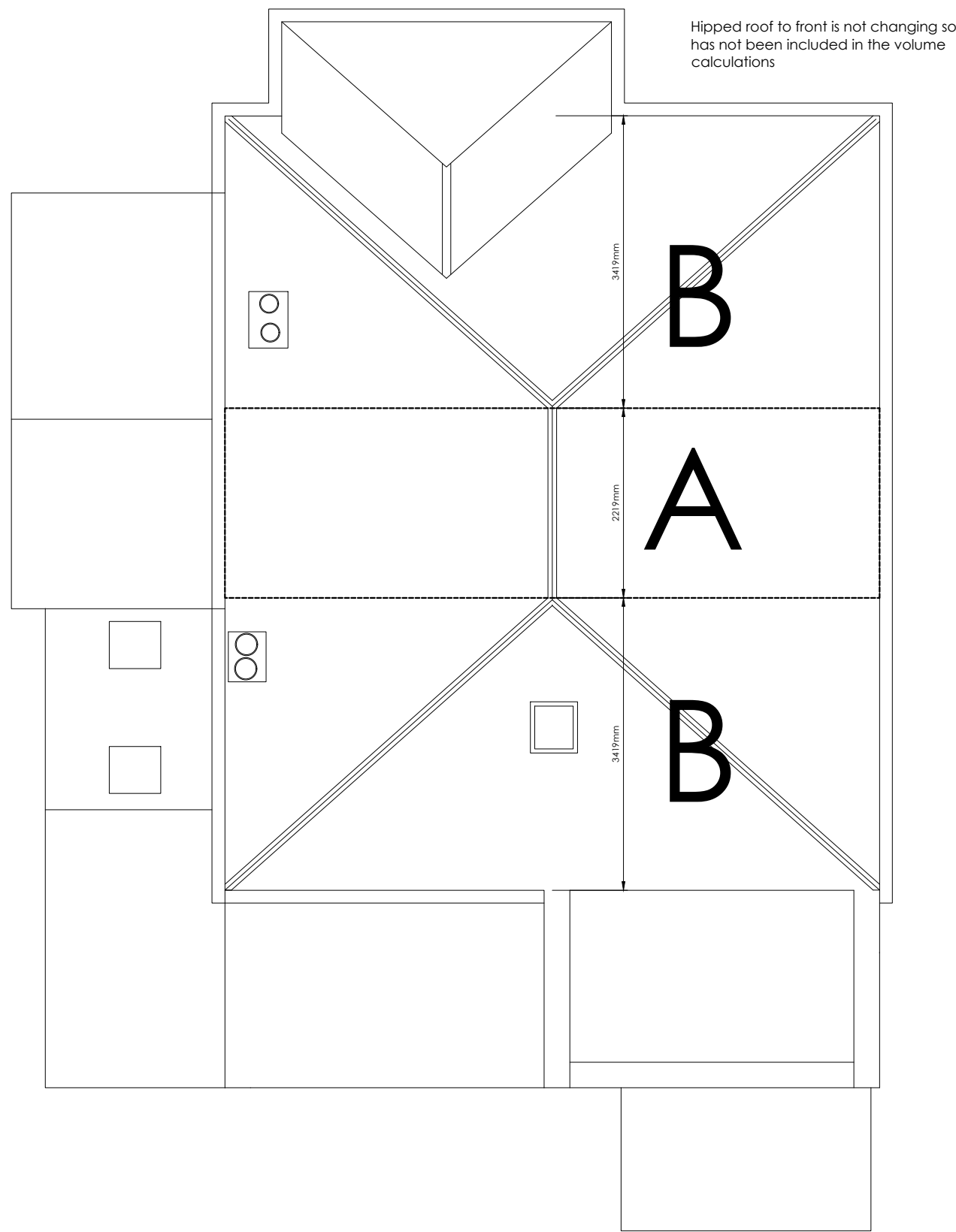
4 Lauderdale Drive,  
Richmond upon Thames,  
TW10 7BT

**Planning**

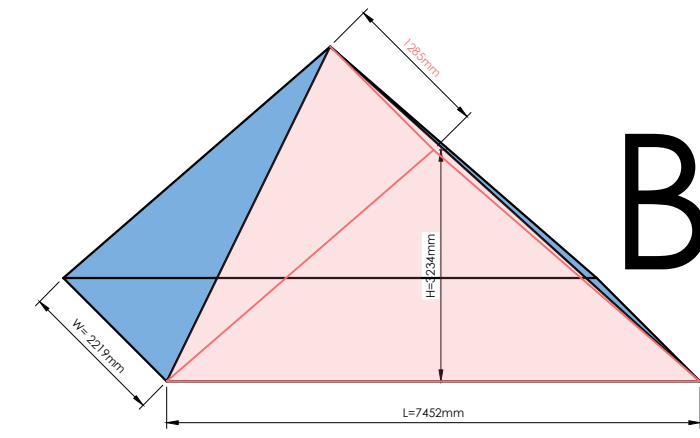
Scale @ A3: 1:100

Date: 09.01.2025

Drg no: BL0559/A3/5.001



$$\begin{aligned} \text{Volume} &= (l \times w \times h) / 2 \\ &= (7.45 \times 2.21 \times 3.23) / 2 \\ &= 26.59\text{m}^3 \end{aligned}$$



$$\begin{aligned} \text{Volume} &= (l \times w \times h) / 2 \\ &= (7.45 \times 3.41 \times 3.23) / 2 \\ &= 41.02\text{m}^3 \end{aligned}$$

$$\begin{aligned} \text{Volume} &= \frac{1}{3} (l \times h) / 2 \times h \\ &= \frac{1}{3} (7.45 \times 3.23) / 2 \times 3.23 \\ &= 12.95\text{m}^3 \end{aligned}$$

$$\begin{aligned} &= 28.07\text{m}^3 \\ &\times 2 \text{ (Front \& Rear roof slope)} \\ &= 56.14\text{m}^3 \end{aligned}$$

TOTAL EXISTING ROOF VOLUME = 82.73

**Existing roof - Total volume 82.73 m<sup>3</sup>**

- NOTES**
1. This drawing is copyright of Bespoke living. Reproduction is only to take place with written authority.
  2. These plans are subject to "Planning & Building Regulation Approval" or any other statute in law before building work commences.
  3. Any structural work where mentioned on this drawing is subject to a qualified structural and civil engineer calculations before building work commences.
  4. All drawings marked preliminary are not to be built or manufactured from.
  5. If any discrepancies are found in the drawings these are to be brought to the attention of bespoke living for rectification.
  6. All materials and building components specified must be installed in accordance with the manufacturers instructions.

ALL NEW MATERIALS TO MATCH EXISTING