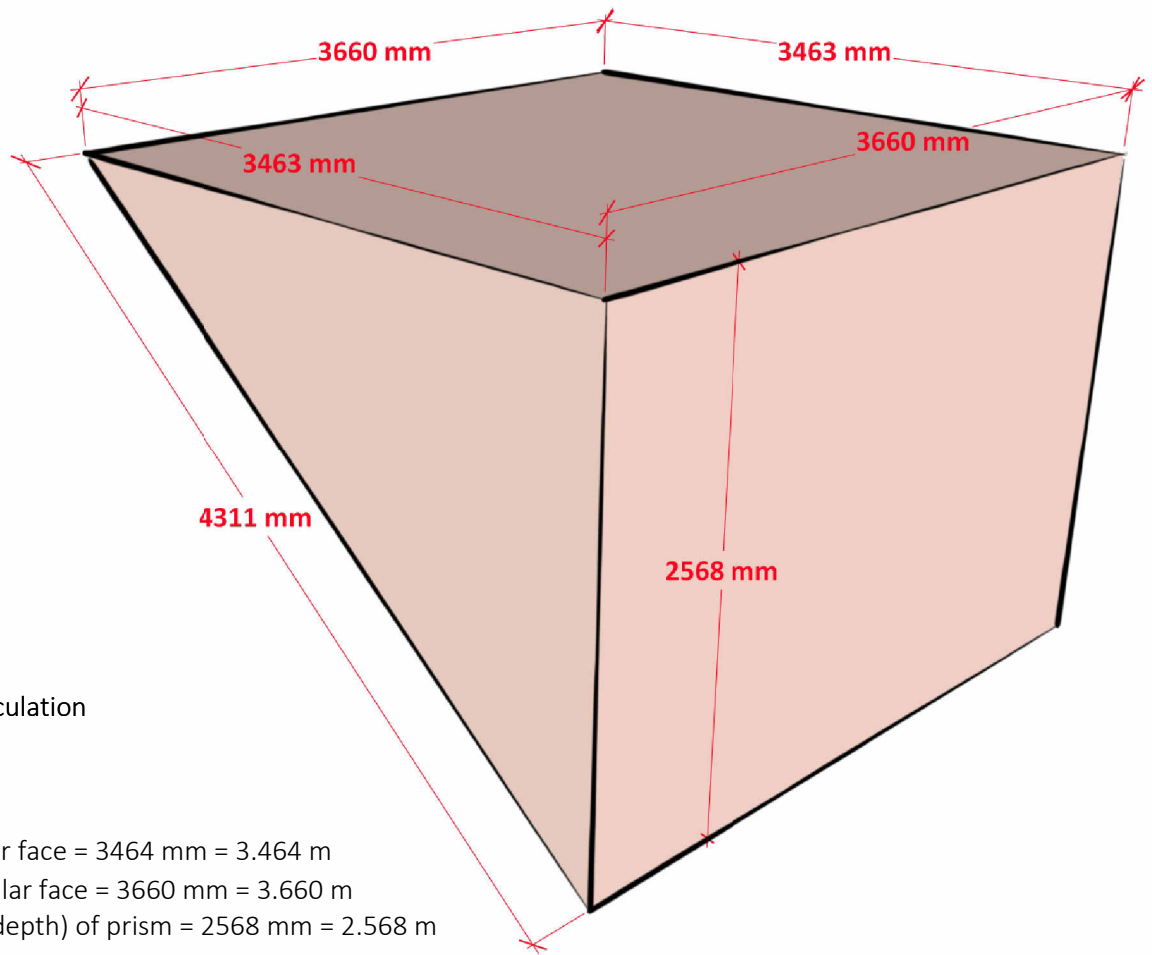




Dormer Volume Calculation

1. Formula
 $V = (0.5 \times b \times h) \times H$
 b = base of triangular face = 3464 mm = 3.464 m
 h = height of triangular face = 3660 mm = 3.660 m
 H = vertical height (depth) of prism = 2568 mm = 2.568 m

2. Step-by-Step Calculation:

Step 1 – Triangle Area:
 $A = 0.5 \times b \times h$
 $A = 0.5 \times 3.464 \times 3.660$
 $A = 6.336 \text{ m}^2$

Step 2 – Volume:

$V = A \times H$
 $V = 6.336 \times 2.568$
 $V = 16.27 \text{ m}^3$

4. Result: Total Dormer Volume = 16.27 m³

Note:

Although this proposal does not rely on Permitted Development rights, the calculated volume is well below the 40 m³ allowance for semi-detached dwellings, demonstrating that the scale of the dormer remains modest and consistent with typical Permitted Development limits.

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