

Calculation for Hip to Gable Roof Volume

158 VICTORIA ROAD, RUISLIP MANOR, HA4 0AW

Volume of additional Dormer

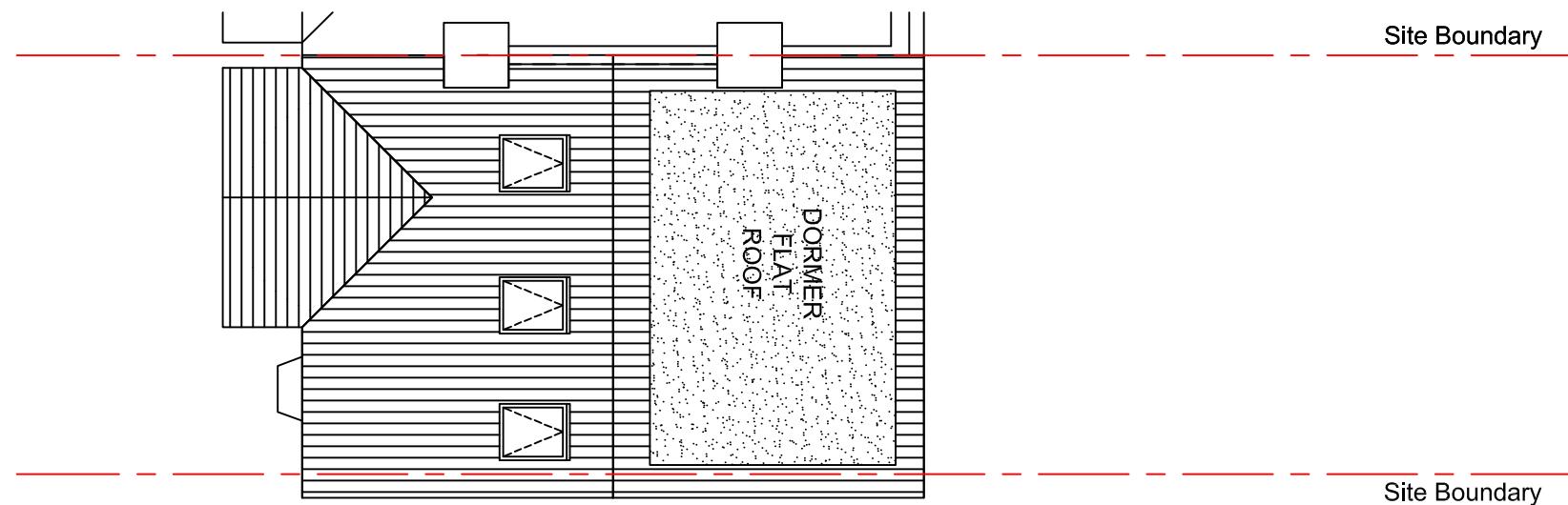
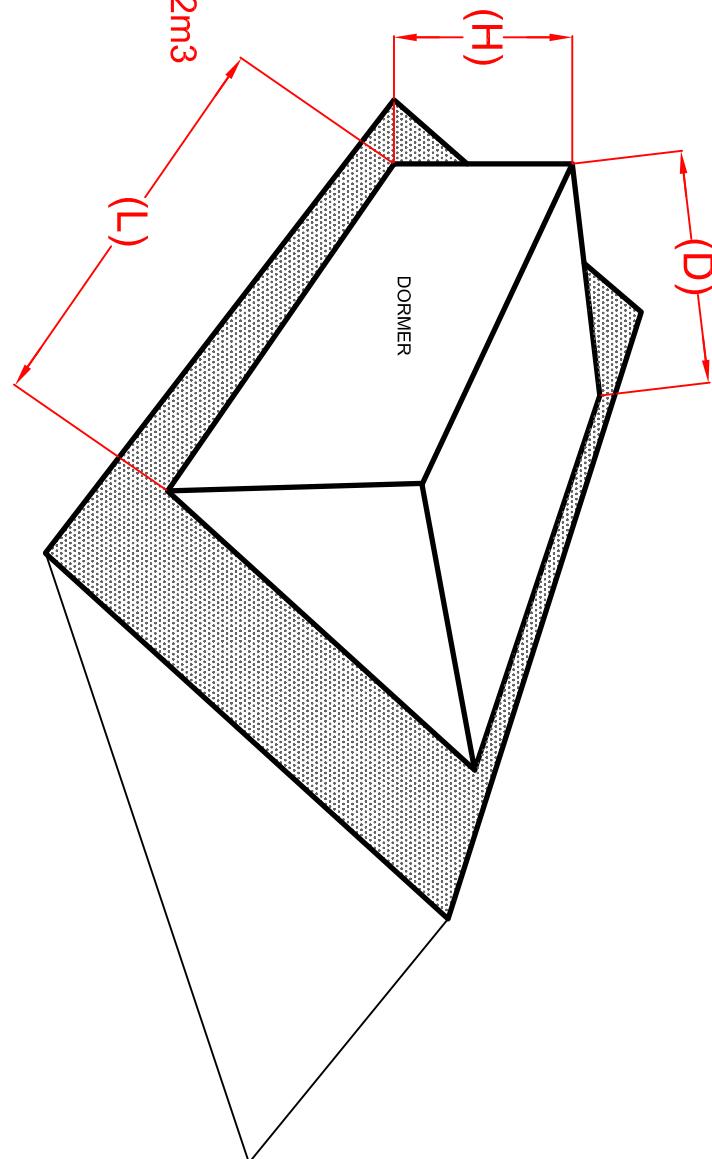
Depth of Dormer - (D) 3.60m
 Height of Dormer - (H) 2.60m
 Length of Dormer - (L) 5.39m

Formula: $V = \text{Depth} \times \text{Height}/2 \times \text{Length}$.

$$V = 3.60 \times 2.60/2 \times 5.39 = 25.22 \text{ m}^3.$$

Total Dormer Volume added to the existing roof = **25.22m³**

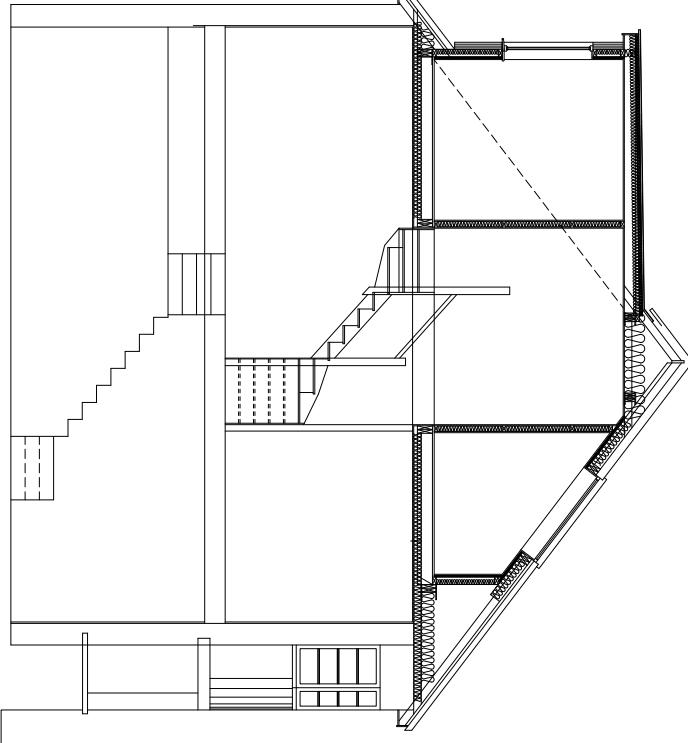
In the proposed development added volume to the existing roof is **25.22m³** cubic meters, which is within 40 cubic meters limit for a Permitted Development for a terraced houses that has not been previously extended. Also any proposed part of the roof alteration is not higher than the highest part of the existing roof. The Dormer extension is set at least 200mm from eaves.



Proposed - Roof Plan

Scale 1:100@A3

Proposed Section



NOTES:
 ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT BUILDING REGULATIONS.
 ALL DIMENSIONS & LEVELS TO BE CHECKED AND VERIFIED ON SITE BEFORE COMMENCEMENT OF WORK.
 THIS DRAWING IS TO BE READ IN CONJUNCTION WITH PROJECT WORKING DRAWINGS, SPECIFICATIONS, DETAILS AND
 STRUCTURE DRAWINGS.
 ALL MATERIAL USED IN THE PROPOSED EXTENSION SHOULD MATCH THE EXISTING BUILDING.

