

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

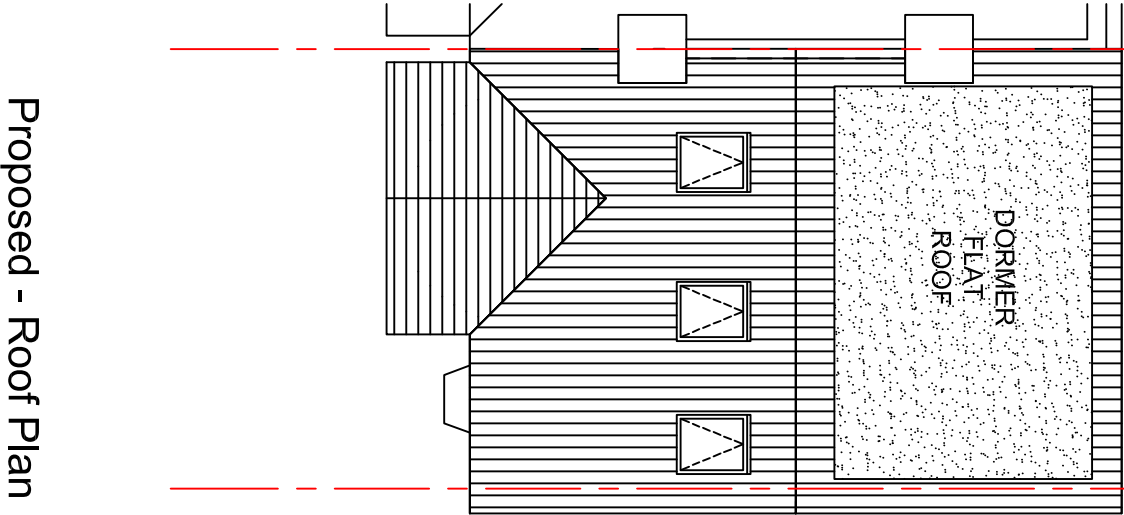
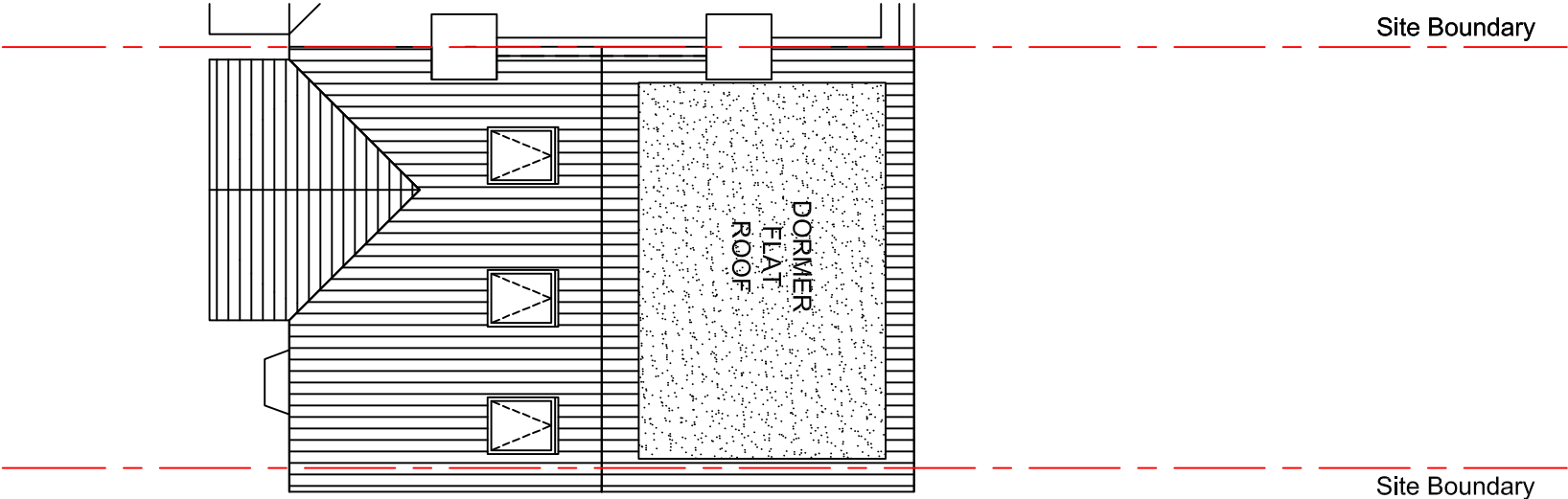
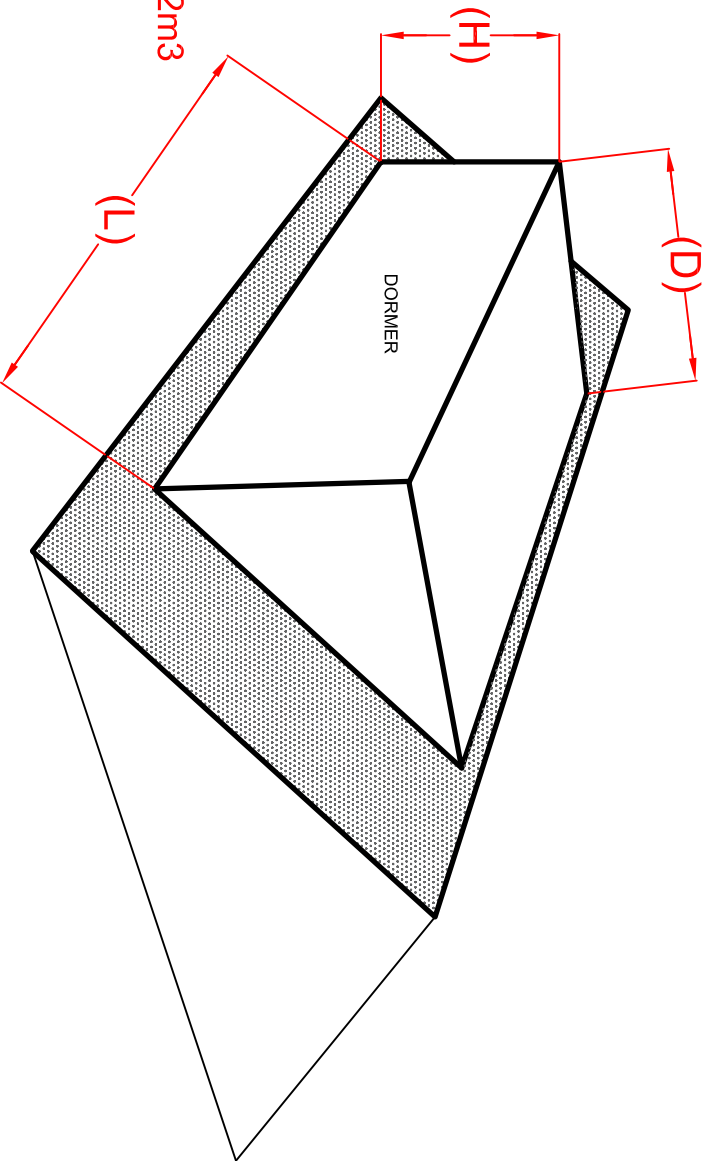
Formula:  $V = \text{Depth} \times \text{Height}/2 \times \text{Length}$ .

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

Total Dormer Volume added to the existing roof = 25.22m3

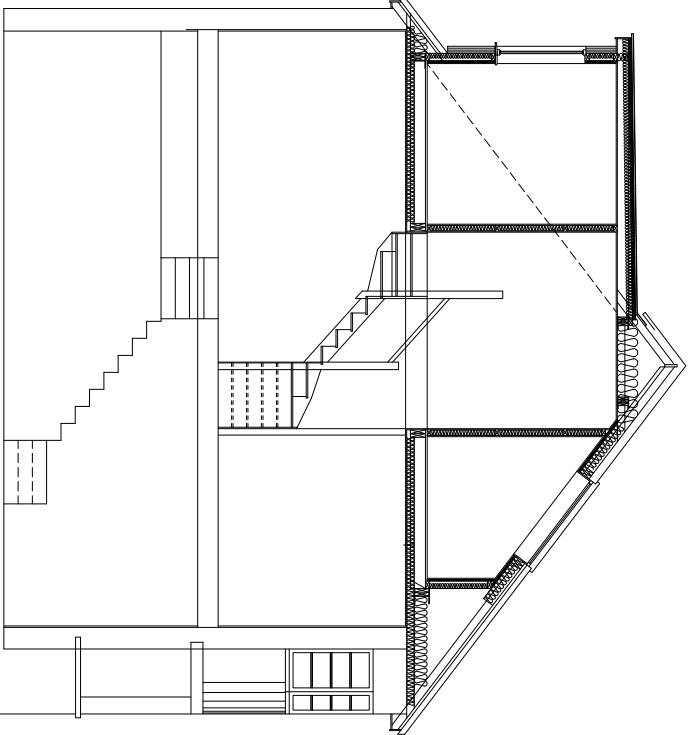
Total Volume = 25.22m2

In the proposed development added volume to the existing roof is 25.22m2 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

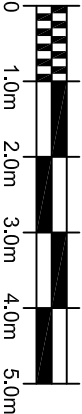
Scale 1:100@A3



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 DRAWINGS TO BE RED IN CONJUNCTION WITH PROJECT WORKING DRAWINGS, SPECIFICATIONS, DETAILS AND STRUCTURE DRAWINGS.  
ALL MATERIAL USED IN THE PROPOSED EXTENSION SHOULD MATCH THE EXISTING BUILDING.

1:100  
@ A3



LAWFUL DEVELOPMENT CERTIFICATE

PROJECT: 158 VICTORIA ROAD , RUISLIP MANOR, HA4 0AW

DRAWING TITLE:  
PROPOSED ROOF PLAN, SECTION  
& VOLUME CALCULATIONS

SCALE:  
1:100@A3

DATE:  
01/11/2022

DRAWING NUMBER:

GA 2003

REV:

A