



Calculation for Hip to Gable Loft Conversion

Site Address

4 North Drive, Ruislip,
HA4 8EZ

Project No.

1932

Date

25 October 2022

		(m)
A	Depth of main roof	8.04
B	Width of main roof	8.795
C	Height of main roof	3.7
D	Ridge to eaves in plan	3.635
E	Projection of dormer	
F	Height of dormer	
G	Width of dormer	

Volume of triangular prism

Area of triangle x Length
 $(Ax C)/2 \times (D \times 2)$

108.13 m³

Volume of the pyramid

Base area x $\frac{1}{3}$ Height
 $(Ax (D \times 2)) \times \frac{1}{3} C$

72.09 m³

Volume of the additional segment

Prism x Pyramid /2

18.02 m³

Volume of additional dormer
area of the triangle x length of dormer

$(Ex F)/2 \times G$

0.00 m³

Total volume of development

18.02 m³

