

Volume Calculations:

Hip to gable conversion section:

$\frac{1}{3}(\frac{9.429 \times 3.596}{2}) \times 4.715$
 $5.651 \times 4.715 = 26.644\text{m}^3$

Minus unconverted hip to gable

$\frac{1}{3}(\frac{2.36 \times 0.9}{2}) \times 1.18$
 $0.354 \times 1.18 = 0.418\text{m}^3$

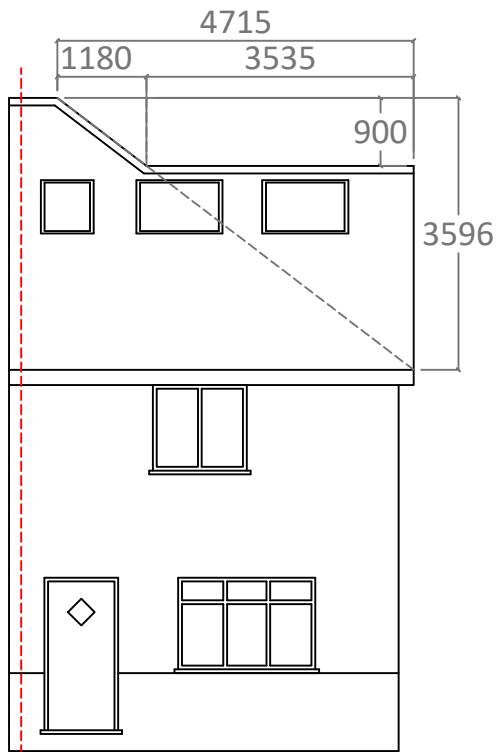
$2.36 \times 0.9 = 2.124$
 $2.124 / 2 = 1.062$
 $1.062 \times 3.535 = 3.754\text{m}^3$

Total non converted area
 $0.418 + 3.754 = 4.172\text{m}^3$

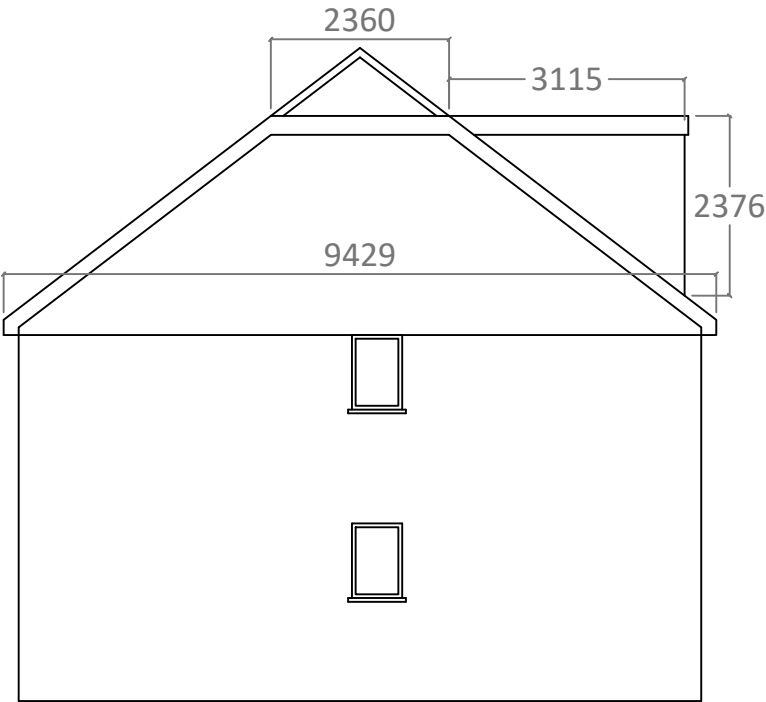
Total hip to gable conversion
 $26.644 - 4.172 = 22.472\text{m}^3$

Dormer:
 $3.115 \times 2.376 = 7.4$
 $7.4 / 2 = 3.7$
 $3.7 \times 4.673 = 17.29\text{m}^3$

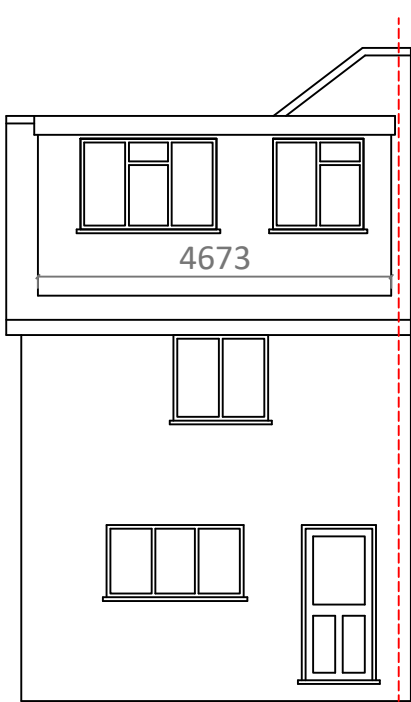
Total Volume Increase:
 $22.472\text{m}^3 + 17.29\text{m}^3 = 39.762\text{m}^3$



Proposed Front Elevation



Proposed Side Elevation



Proposed Rear Elevation

The proposed loft conversion is general permitted development

- The building is a single terrace dwelling house
- The dormer will be tile hung to match materials on the existing property
- The volume increase is 39.762m^3 , within the 40m^3 acceptable under general permitted development
- No part of the work will exceed the existing ridge height
- No part of the work will extend beyond the roof slope of the front elevation.
- The historical front elevation of is as labeled in the elevations, fronting Hooley Lane
- Velux windows will not protrude more than 0.15m beyond the plane of the roof slope
- There will be no verandas, balconies or raised platforms
- There are no windows on the side elevations
- The eaves will be retained with a minimum of 200mm
- The dormer will not overhang any part of the original building.





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Drawing Title
Proposed Elevations - Volume Calculations

Project
25 The Leas Crawley Down RH10 4EP

Client
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Scale @ A3	Issue Date	Drawn By
1:100	20/01/2026	JT
Job No.	Drawing No.	Revision
TLS/2026	004	

Notes
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