

Crossbush Cottage, 11 Crossbush Road, Felpham, West Sussex PO22 7LS

CALCULATION FOR THE INCREASE IN ROOF VOLUME

(Hip to gable with a rear dormer)

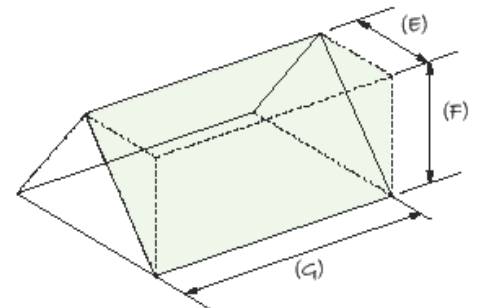
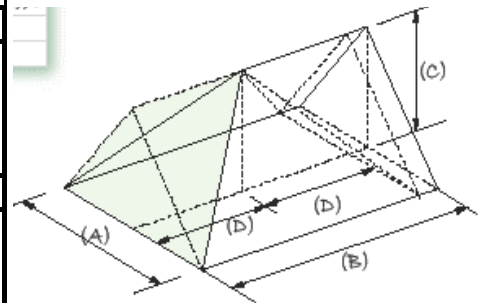
Project Address: 17 Mayfield Avenue
Bognor Regis
Postcode:
Job number: 2599
Date: 01/07/2025

House Type: Semi

Hip to Gable? One

Half Hip / Barn End? No

Main Roof		
A	Depth of the main roof	7,800 mm
B	Width of the main roof	7,600 mm
C	Height of the main roof	3,010 mm
D	Ridge to eaves in plan (If NOT 0.5 x Dim A)	3,900 mm
Dormer (Flat roof)		
E	Projection of the rear dormer	3,365 mm
F	Height of the rear dormer	2,530 mm
G	Width of the rear dormer	7,390 mm
Half Hip / Barn End (If Any)		
a	Half-hip depth	- mm
c	Half-hip height	- mm
d	half-hip ridge to eaves in pla	- mm



Hip to gable elements

Hip to Gable

$(A \times C \times D) / 6$

15.26 m3

Less half-hip volumes (Barn End)

$(a \times c \times d) / 6$

0.00 m3

Volume of the additional rear dormer

area of the triangle x its length

$(E \times F / 2 \times G)$

31.46 m3

TOTAL increase in roof volume

46.72 m3

Allowed volumes for loft extensions

Detached and Semi Detached : 50 m3

Terraced : 40 m3

Within Limits? YES

Remaining volume available: 3.28 m3

Extension To be set back 200mm from the eaves (as far as is practicable)

Does not apply to hip-to gable conversions

Conservation Areas : Planning permission is required for any works to a loft

Registered Office – Crossbush Cottage, Crossbush Road, Bognor Regis PO22 7LS

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