

COMBINED DORMER AND HIP TO GABLE VOLUME P D CALCULATION

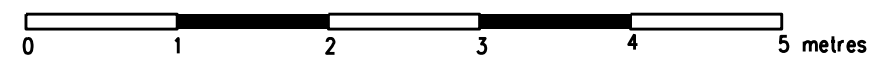
The total allowable area is 50m³ of the loft extension

Volume of the dormer is 28.08m³ plus volume of the gable is 21.15 m³ total = 49.23 m³

Calculation of the external volume of the dormer is 1/2 height x depth x length
 $1.15 \times 3.7 \times 6.6 = 28.08 \text{ m}^3$

Calculation of external volume of the proposed hip to gable conversion is
 height of gable is 3.0
 top width from hip to gable is 4.7
 side width is 9
 $9 \times 3 \times 4.7 = 126.9 \text{ 1/6} = 21.15 \text{ m}^3$

READ WITH STRUCTURAL ENGINEERS DETAILS FOR BEAMS, DORMER, JOISTS & PADSTONES



PLANNING APPLICATION

REVISION _____ DATE _____
 ARCHITECT
TA ARCHITECTS
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JOB
**PROPOSED LOFT EXTENSION
 AT 367 OLD FARM AVENUE
 SIDCUP DA15 8AA**
 DRAWING
PROPOSED FRONT ELEVATION

SCALE
1:50 AT A3 DATE
APRIL 2023

DRAWING NO.
BO/04