

Loft Volume calculations:

1) Roof Volume :
Base of gable wall= 6.605m
Width of gable wall=3.29m
Height of gable wall=2.15m

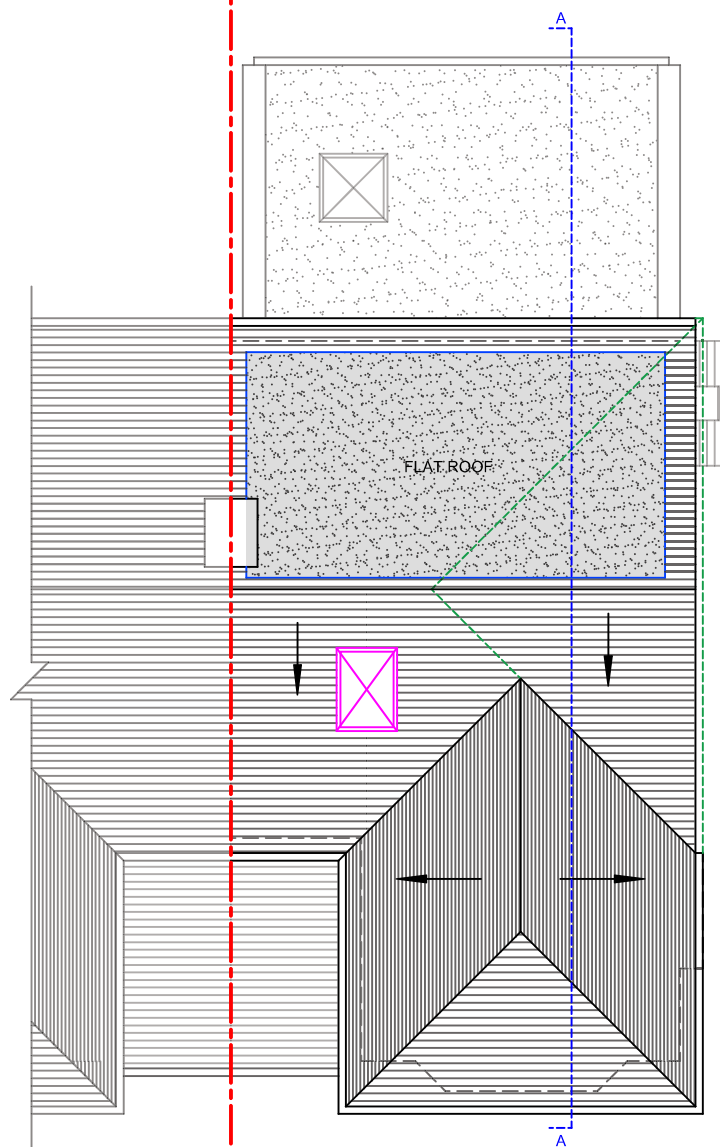
Increase in roof volume
= $(6.605 \times 3.29 \times 2.15) / 6$
=7.78 cu.m.

2)Dormer Volume:
Length of dormer=5.54m
Height of dormer=1.95m
Projection of dormer=2.99m

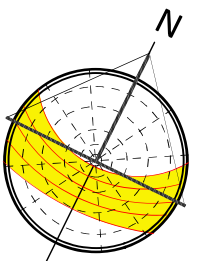
Volume of Dormer
= $(5.54 \times 1.95 \times 2.99) / 2$
=16.15 cu.m.

Front Roof Volume Calculations
Area of Front roof
= $(4.6 \times 1.505) / 2 = 3.46$
Volume of Front roof
= 3.46×3.34
=11.56 cu.m.

TOTAL VOLUME
=7.78+16.15+11.56
=35.49cu.m. < 50.0cu.m.



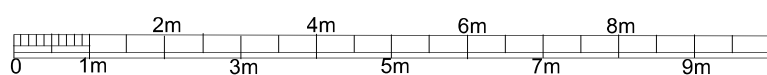
PROPOSED ROOF PLAN



PROPOSED



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scale - 1 : 100 @ A3

Purpose - Certificate of lawful development application

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	DWG NO: 12 PROP ROOF	REVISION: