

Volumetric Calculation

Volume Calculation

Additional Roof	Dimension / m
Length	3.46
Width	7.12
Height	2.83

Volume = Sectional area x Length

Sectional area
 $(0.5 \times 7.12) \times 2.83 = 10.07 \text{ m}^2$

Length
 $3.46 = 3.46 \text{ m}$

Volume
 $10.07 \times 3.46 = \underline{\underline{34.86 \text{ m}^3}}$

Dormer	Dimension / m
Length	2.36
Width	2.00
Height	1.95

Volume = (Sectional area x Length)/2

Sectional area 3.41 m^2

Length
 $2.36 = 2.36 \text{ m}$

Volume
 $(3.41 \times 2.36) / 2 = 8.05 \text{ m}^3$
 $/2 = \underline{\underline{4.02 \text{ m}^3}}$

TOTAL PROPOSED	
Roof Extension	34.86
Dormer	4.02
TOTAL	= <u><u>38.88 m3</u></u>