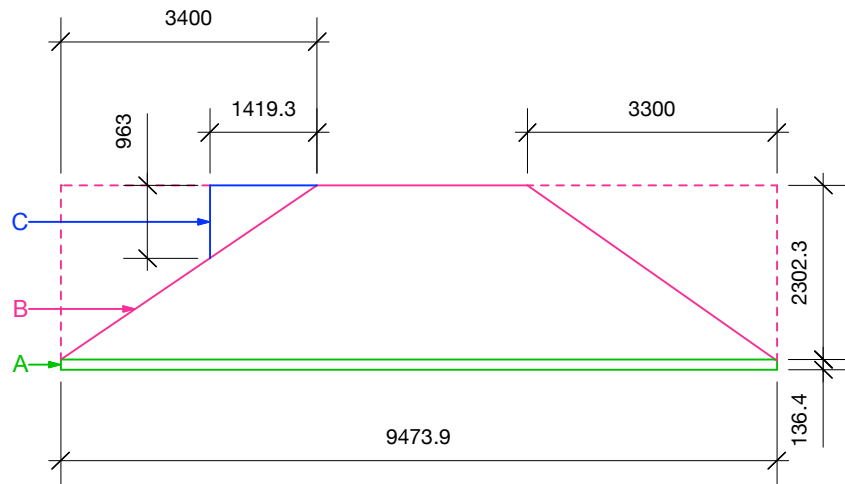
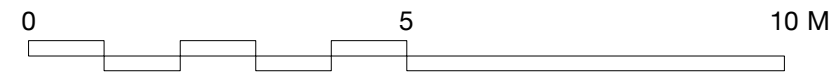
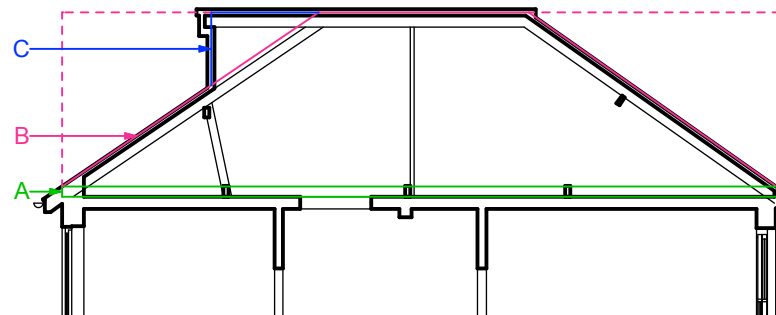
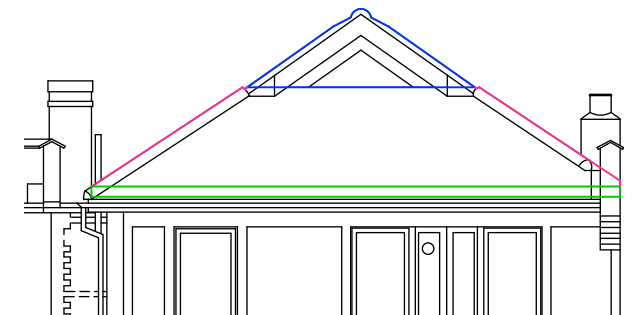




Volume Diagram



Section



Front Elevation

Existing Roof Volumn:

A.

Plinth: $9473.9 \times 6783.4 \times 136.4 = 8.77\text{m}^3$

B.

Prism: $0.5(9473.9 \times 2302.3 \times 6783.4) = 73.98\text{m}^3$

Rear Wedge: $0.5(3300 \times 2302.3 \times 6783.4) \div 3 = 8.59\text{m}^3$

Front Wedge: $0.5(3400 \times 2302.3 \times 6783.4) \div 3 = 8.85\text{m}^3$

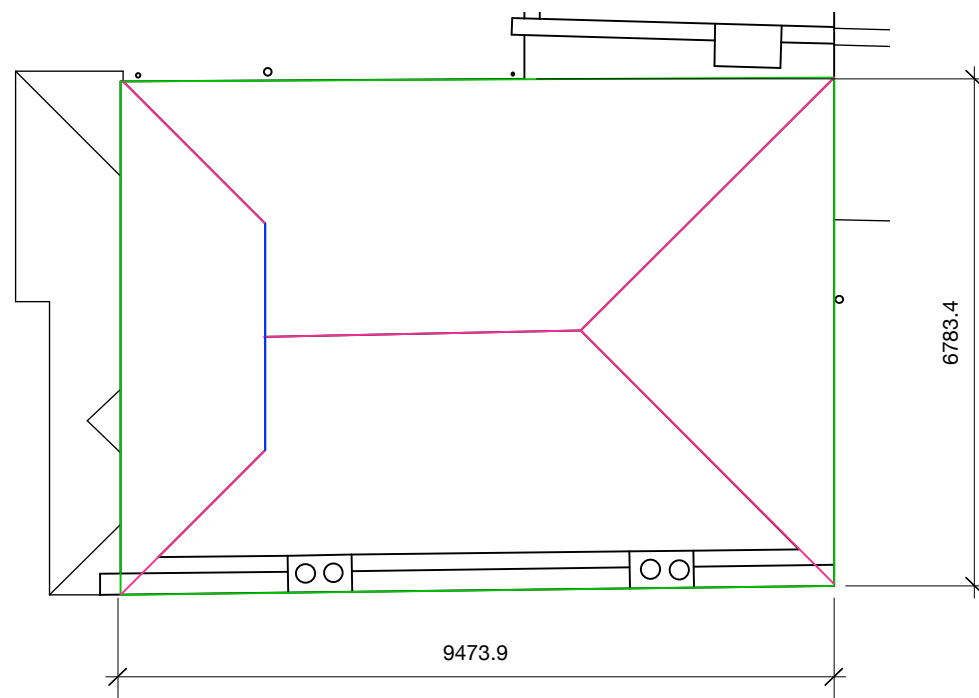
C.

Front Dormer: $0.5(1419.3 \times 963 \times 3076.9) \div 3 = 0.70\text{m}^3$

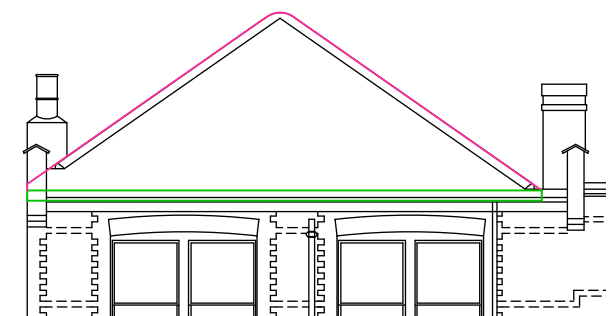
$8.77\text{m}^3 + 73.98\text{m}^3 + 0.70\text{m}^3 = 83.45\text{m}^3$

$83.45\text{m}^3 - 17.44\text{m}^3$ (front & rear wedges) = 66.01m^3

TOTAL: 66.01m³



Roof Plan



Rear Elevation

GENERAL NOTES

- This drawing is the copyright of Haines Phillips Architects.
- Do not scale from this drawing. Use figured dimensions only.
- This drawing must not be used for land transfer purposes, or for construction purposes unless accompanied by an Architect's Instruction.

DRAWING ISSUE STATUS

ISSUE	STATUS	COMMENT
P	PRELIMINARY	For comment and review
PL	PLANNING	Planning/Listed Building Application
BR	BUILDING REGS	Building Regs Application
T	TENDER	For pricing purposes only
C	CONSTRUCTION	For procurement & construction
FC	FINAL CONSTRUCTION	Record drawings on completion
L	LEGAL	Conveyancing or other legal purposes

REVISIONS

REV	DATE	NOTES
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DRAWING TITLE

**Roof Calculation
As Existing**

DRAWN	DATE	SCALE	
PL	Aug 2021	1:100@A3	
JOB NR	DRAWING NO.	ISSUE	REVISION
4218	GA 050	PL	