

Volume Calculation

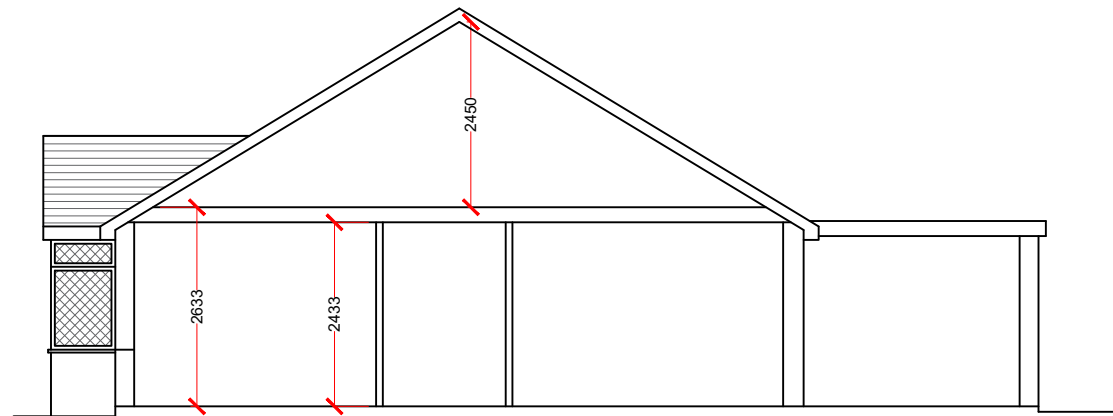
Hip to Gable base area	m ²	$\frac{1}{2} \times \text{length} \times \text{internal height}$	<u>Length</u>	<u>Height</u>	<u>Result</u>	
			9.105	2.45	11.15	m ²
Hip to Gable Volume	m ³	$\frac{1}{3} \times \text{base ar.} \times \text{gable ext.}$	<u>Base Area</u>	<u>Gable Ext</u>	<u>Result</u>	
			11.15	4.450	16.53	m ³
Dormer Volume	m ³	$\frac{1}{2} \times \text{length} \times \text{Depth} \times \text{height}$	<u>Depth</u>	<u>Length</u>	<u>Height</u>	<u>Result</u>
			3.986	5.630	2.418	27.13 m ³

Additional Volume

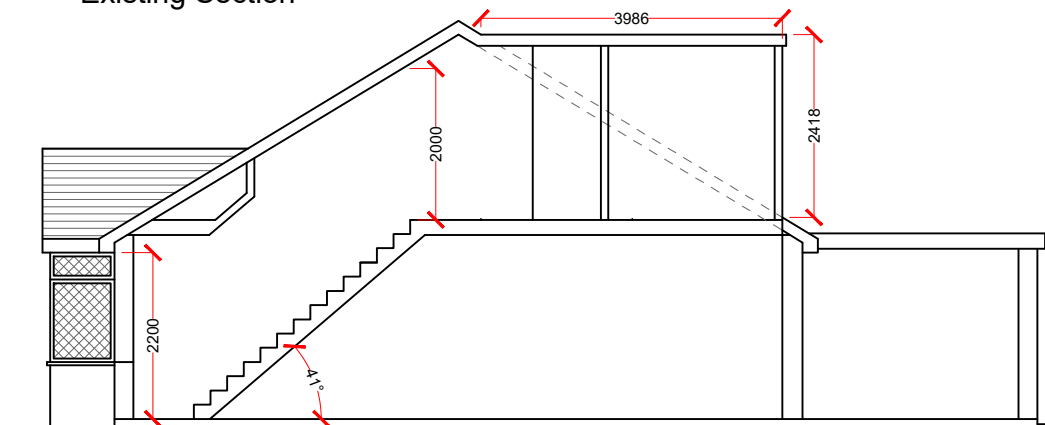
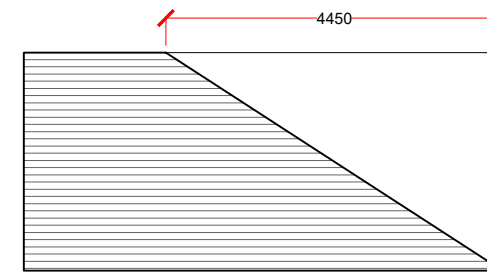
Gable Volume + Dormer Volume

<u>Hip to gable</u>	<u>Dormer</u>	<u>Result</u>	
16.53	27.13	43.66	m ³

Additional volume of **43.66 m³** is Less than **50 m³** increase in volume for semi-detached property to qualify for permitted development



Existing Section



Proposed Section



ONLINE
ARCHITECTURAL
SERVICES

DRAWING:
PLANNING

M 1:100

Scale bar showing 0 to 10 meters.

DISCLAIMER

Drawing to be read in conjunction with all other relevant documentation.
All written dimensions to be checked on site before work commences.
Discrepancies, where identified, must be reported to the designer.
The drawing is the property of Arch Studio and must not be reproduced or used in conjunction with any unauthorized person either wholly or in part without valid consent.

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PROJECT :

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1NG

CLIENT:

Mr Jasbir

DRAWN: MAAS

DATE: 24/08/2020

SHEET SIZE: A3

SCALE: 1:100

PROJECT NO:
23/2020

DRAWING NO:
PD 04

REV: