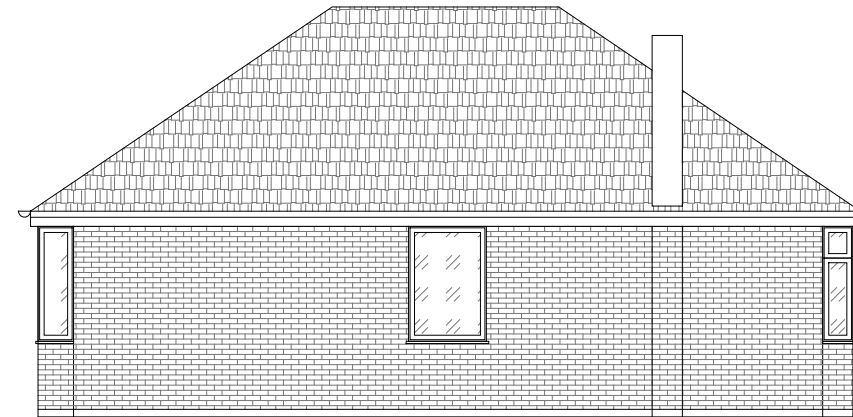


EXISTING SIDE ELEVATION A



EXISTING SIDE ELEVATION B

A. Volume of proposed box dormer on side roof slope:

$W_b=1.50\text{ m}$ $H_b=2.33\text{ m}$ $D_b=3.46\text{ m}$

$V_b = ((W_b * H_b) / 2) * D_b = 6.05\text{ m}^3$

B. Volume of proposed hip-to-gable roof extension:

$W_a=4.13\text{ m}$ $H_a=1.94\text{ m}$ $D_a=6.58\text{ m}$

$V_a = W_a * H_a * D_a / 6 = 8.79\text{ m}^3$

C. Volume of proposed box dormer on rear roof slope:

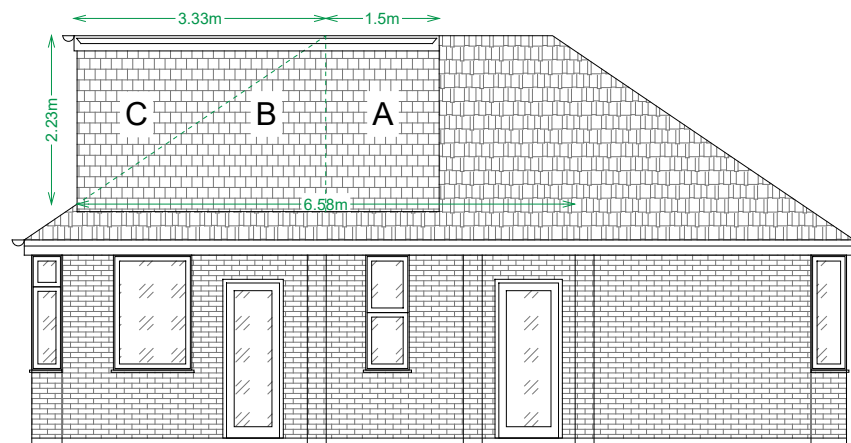
$W_b=6.91\text{ m}$ $H_b=2.23\text{ m}$ $D_b=3.33\text{ m}$

$V_b = ((W_b * H_b) / 2) * D_b = 25.66\text{ m}^3$

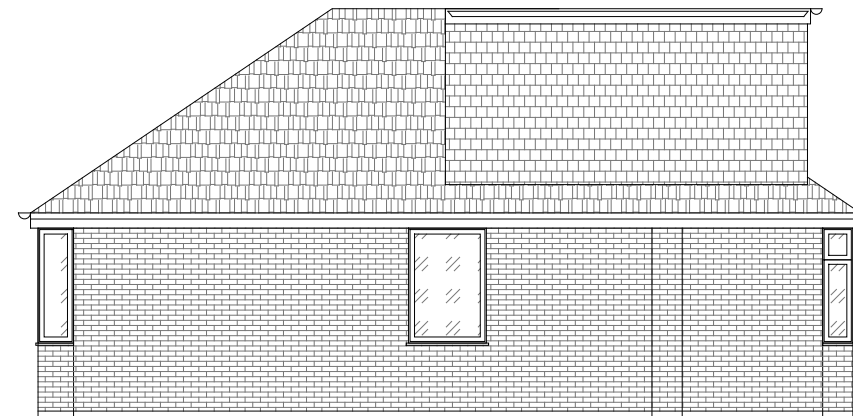
Volume added to original roof by proposed works:

$V = (V_a \times 2) + V_b + V_c = 12.10 + 8.79 + 25.66$

$V = 46.55\text{ m}^3$



PROPOSED SIDE ELEVATION A



PROPOSED SIDE ELEVATION B

SITE:
94 Grosvenor Avenue
SM5 3EP

DRAWING TITLE:
EXISTING & PROPOSED ELEVATIONS

PARTY WALL NOTICES:
PLEASE NOTE THAT BEFORE BUILDING WORKS COMMENCES IT IS THE RESPONSIBILITY OF BUILDER OR OWNER TO SERVE PARTY WALL NOTICES TO ALL NEIGHBOURS.
DIMENSIONS:
ALL DIMENSIONS TO BE CHECKED ON SITE CONTRACTOR TO VERIFY ALL BOUNDARY POSITIONS AND DIMENSIONS ON SITE PRIOR TO COMMENCING ANY WORKS, MAKING WORKMANSHIP DRAWINGS OR OBTAINING ANY MATERIALS. DO NOT TRACE OR COPIED FROM THIS DRAWING. DIMENSIONS STATED ARE FOR GUIDANCE ONLY.

MATERIALS AND WORKMANSHIP:
all works are to be carried out in a workmanlike manner. all materials and workmanship must comply with regulation 7 of the building regulations, all relevant british standards, european standards, agreement certificates, product certification of schemes (kite marks) etc. products conforming to a european technical standard or harmonised european product should have a ce marking.
CDM REGULATIONS
The client must abide by the Construction Design and Management Regulations 2015 which relate to any building works which:
(a) lasts longer than 30 working days and has more than 20 workers working simultaneously at any point in the project.
(b) exceeds 500 person days.

- EXTRACTOR FAN
- SMOKE DETECTOR
- HEAT DETECTOR
- FD30 FIRE RESISTANCE

SCIENTIFIC DESIGNS LTD
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Approved By: _____

CLIENT:
Mr. Shamim Hassan

SCALE	DATE	DWG REF:	DR.No:	DRAWN BY	Rev:
1:100@A3	20/06/2023	SD / 083	A-205	MJ	

SPECIAL NOTE
- IT IS NOT THE RESPONSIBILITY OF THE AGENT IF WORK STARTS BEFORE PLANNING PERMISSION IS GRANTED
- ALL MATERIAL FOR PROPOSED NEW BUILDING WILL BE MATCHING WITH EXISTING

