



1 Existing Rear Elevation
1 : 50

Calculation 1
Volume of the rear dormer - area of the triangle x its length
Formula: $V = D \times E/2 \times F$
 $= 2.956 \times 2.100 / 2 \times 7.0$

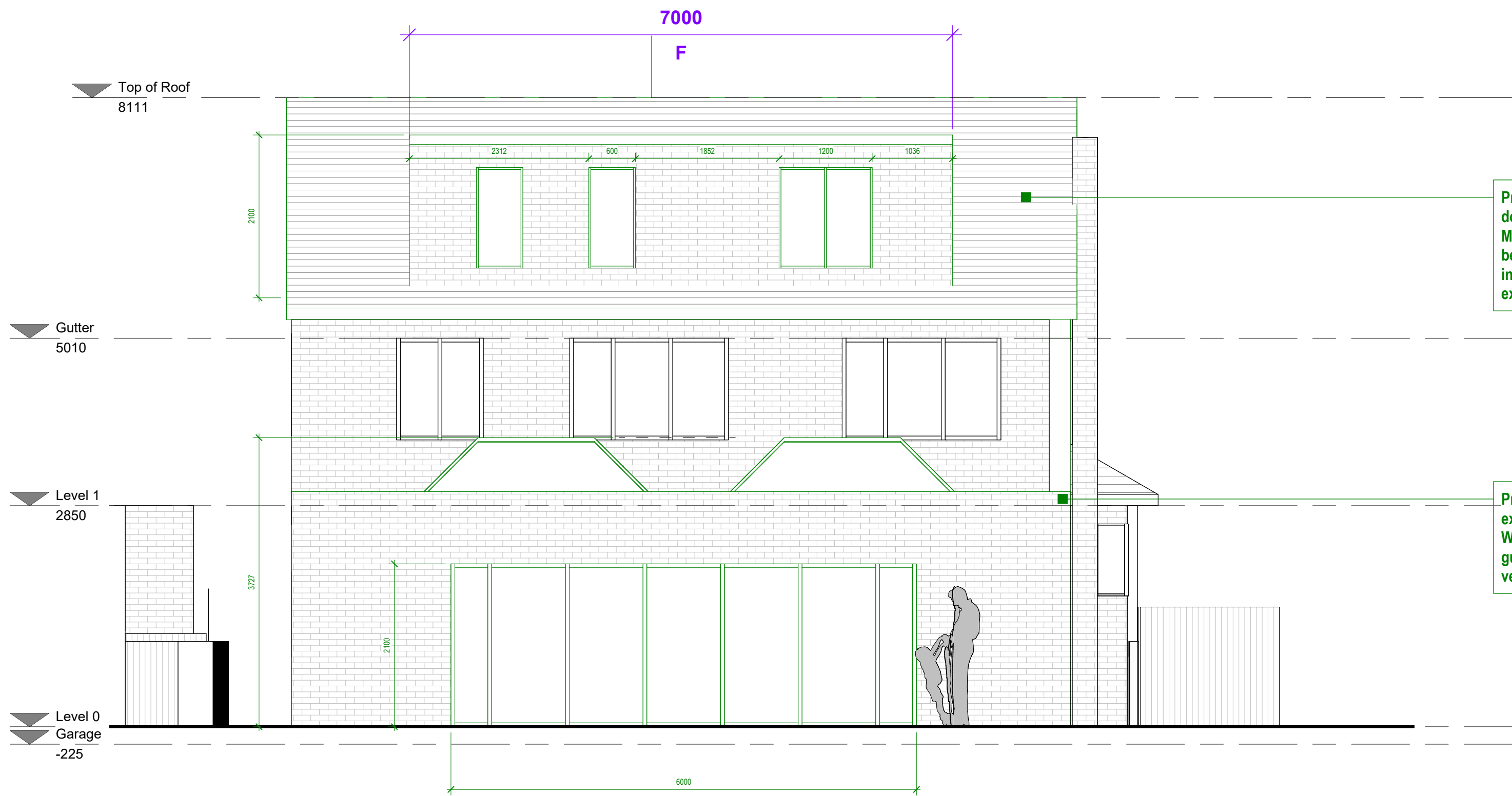
 $3.1038 \times 7.0m$
 $= 21.7266 m^3$

Calculation 2
Volume of hip to gable segment - Pyramid - Base area x 1/3 height
 $V = A \times 1/2B \times 1/3C$
 $8.35 \times 0.5 \times 2.715 \times 1/3 \times 3.725$
 $8.35 \times 1.3575 \times 1.24166666666$
 14.074446875

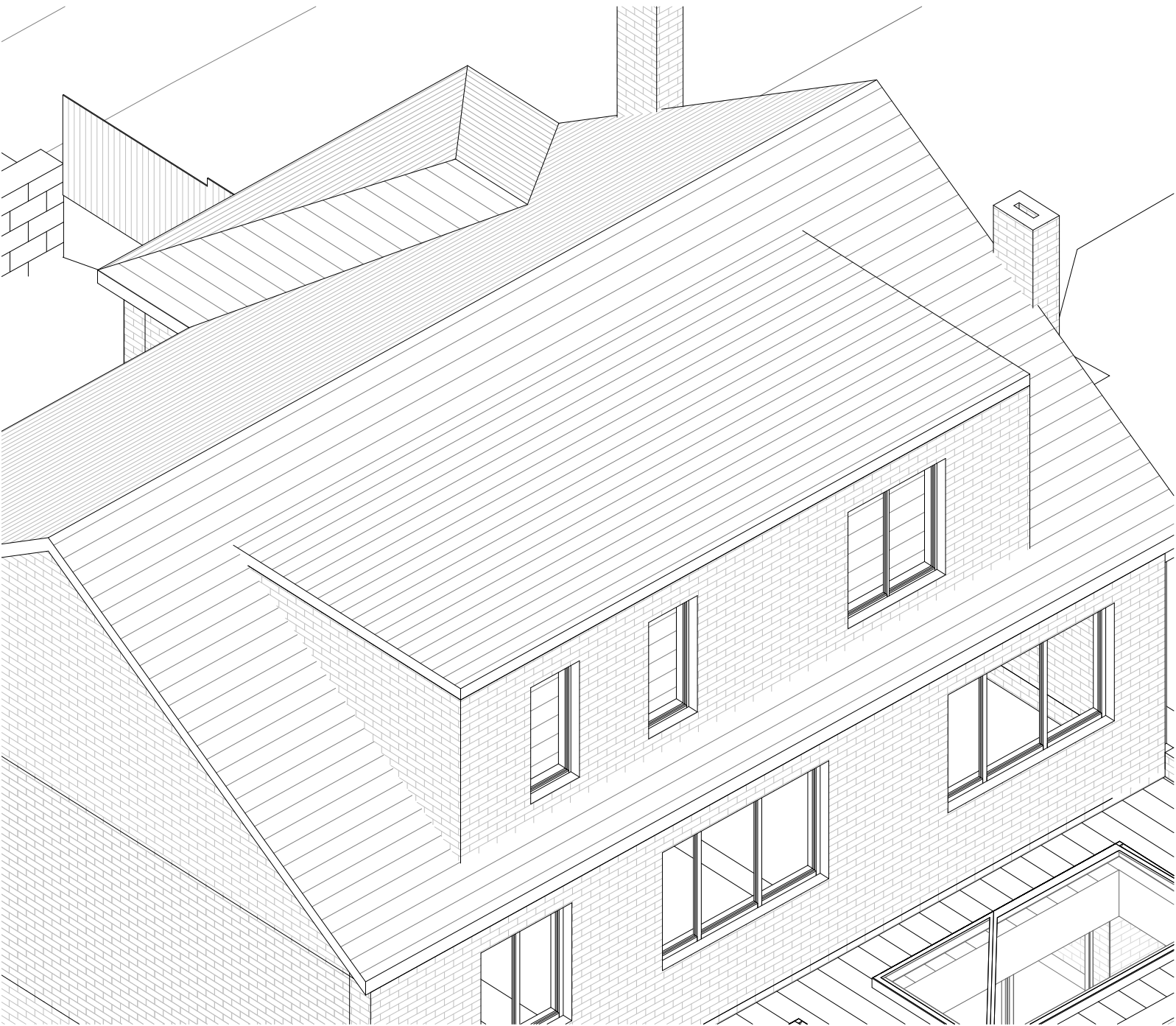
2 gables

 $14.07 \times 2 = 28.14889375 + 21.7266$
 49.87549
 $= 49.88m^3$

Should not exceed 50 cubic metres for detached house under Permitted Development.



2 Proposed Rear Elevation
1 : 50



3 Loft 3D

2 Size of dormer reduced 22.09.24 RM
1 Revised annotations 18.09.24 RM

Status
LAWFUL DEVELOPMENT CERTIFICATE
Client
Mr Mohammed Ali

Project Title
3 Beltwood Drive,
Manchester
M8 4JT.
Drawing Title
Existing and Proposed Rear Elevations A1

Project No.
2023_45
Drawing No.
002-SI-XX-00-DR-I-P9
Drawing Date
Rev
2
Scale at A1
1 : 50

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VISUAL SCALE 1:50 @ A1