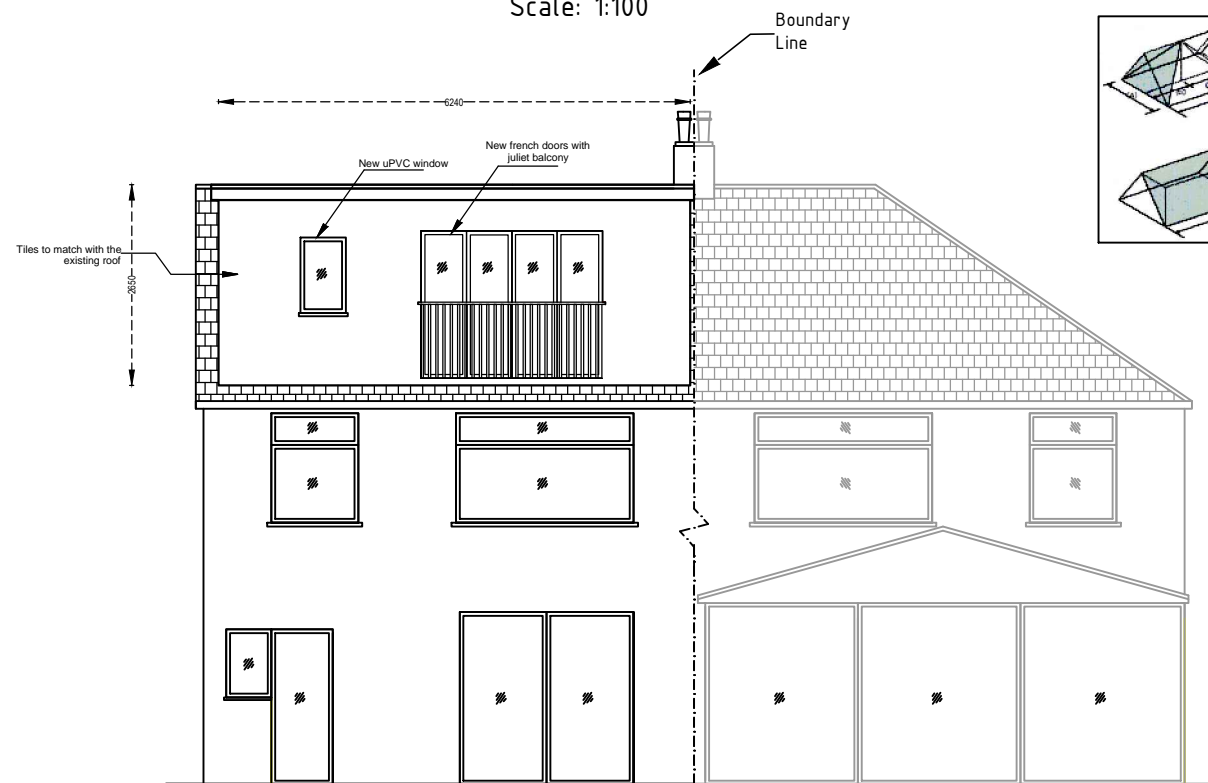
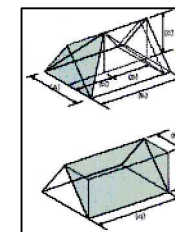


EXISTING REAR ELEVATION
Scale: 1:100



PROPOSED REAR ELEVATION
Scale: 1:100



VOLUME OF ADDITIONAL HIP TO GABLE SEGMENT

A: Depth of main roof = 8.00 m
C: Height of main roof = 2.96 m
D: Ridge to eaves in plan = 4.19 m
Vol. of triangular prism : $A \times C / 2 \times (D \times 2) = 99.22$
Vol. of the pyramid : $A \times (D \times 2) \times 1/3 \times C = 66.14$
Hip to gable = (Prism-Pyramid) / 2 = 16.54 Sq.m

EXTERNAL VOLUME OF THE PROPOSED REAR DORMER

Max height of dormer = 2.65 m
Projection of dormer = 3.80 m
Side Area = $0.5 \times 2.65 \text{ m} \times 3.80 \text{ m} = 5.03 \text{ sq.m}$
Width of dormer = 6.24 m
EXTERNAL VOLUME OF DORMER = $5.03 \text{ m} \times 6.24 \text{ m} = 31.38 \text{ sq.m}$

Total Volume = Hip to Gable + Rear Dormer
 $16.54 + 31.38 = 47.92 < 50.00 \text{ sq.m}$

NOTES

1. This drawing to be read in conjunction with all relevant drawings. Any discrepancies found to be notified to the Supervising Officer immediately
2. Only figured dimensions to be used for constructional purposes
3. All works to be carried with all relevant local authority approvals and to the satisfaction of the building control inspector. Existing structure to be opened for inspection if required. All dimensions are to be checked on site prior to commencement of works.
4. This drawing is copyright of KABLAN DESIGN and can not be reproduced without KABLAN DESIGN's approval

THIS IS A PLANNING DRAWING ONLY

Client: Mr. Ufuk Gumusoz

Address: 10 Chase Gardens, Twickenham, TW2 7PB

Drawing Title
Existing and proposed elevations

DRAWING NUMBER : 38.0924.04

Revision: SEP 2024 Scale: 1:100 @ A3

ALL DIMENSIONS TO BE VERIFIED ON SITE

