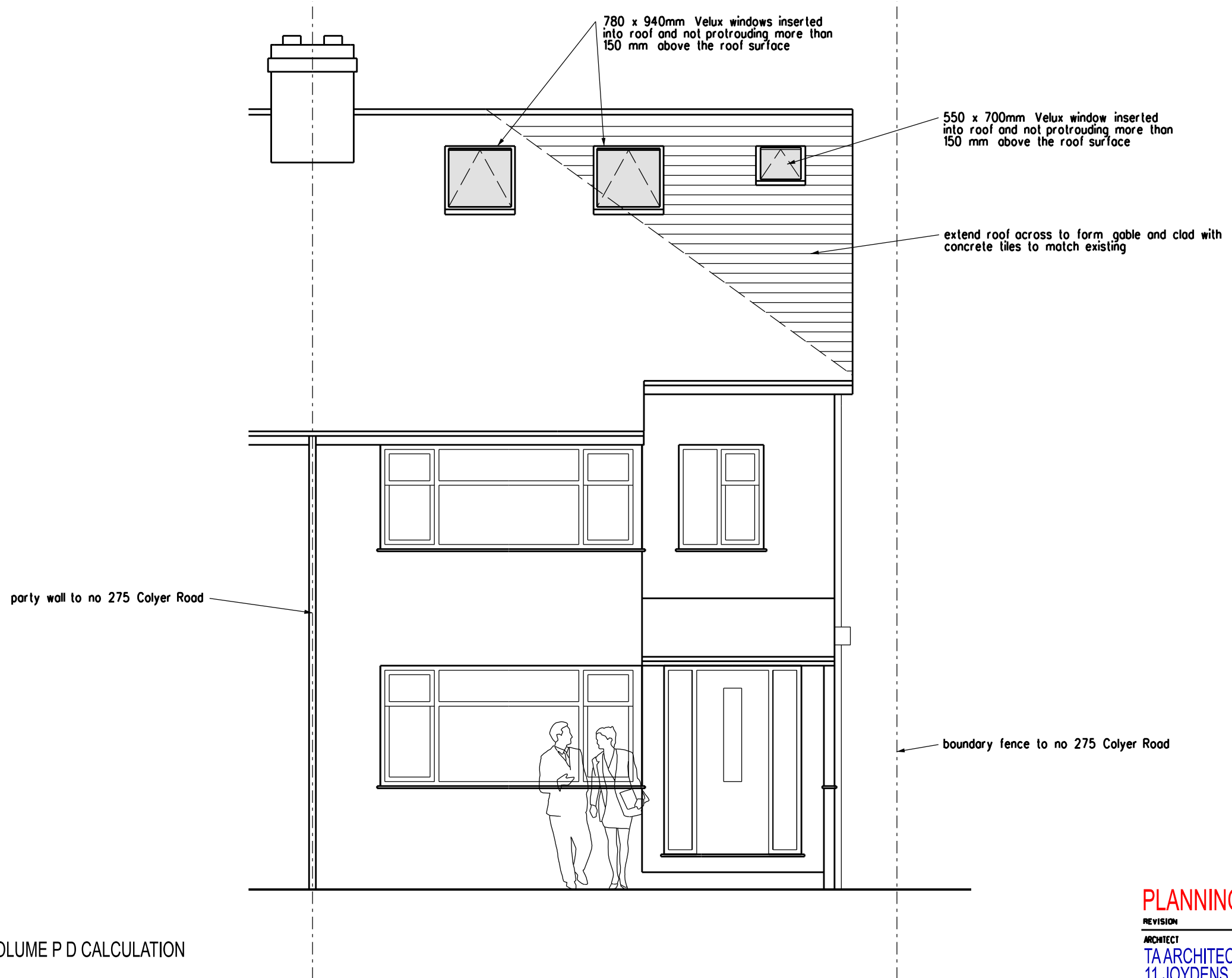




COMBINED DORMER AND HIP TO GABLE VOLUME P D CALCULATION

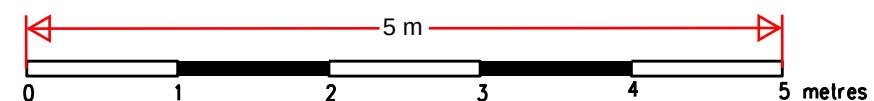
The total allowable area is 50m³ of the loft extension

Volume of the dormer is 25.27 m³ plus volume of the gable is 16.94 m³ total = 42.21 m³

Calculation of the external volume of the dormer is 1/2 height x depth x length
 $1.3 \times 3.6 \times 5.4 = 25.27 \text{ m}^3$

Calculation of external volume of the proposed hip to gable conversion is
 height of gable is 3.1
 top width from hip to gable is 4.1
 side width is 8
 $3.1 \times 4.1 \times 8 = 101.68 \text{ 1/6} = 16.94$

READ WITH STRUCTURAL ENGINEERS DETAILS FOR
 BEAMS, DORMER, JOISTS & PADSTONES



PLANNING APPLICATION

REVISION DATE

ARCHITECT
TA ARCHITECTS
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JOB
**PROPOSED LOFT EXTENSION
 AT 275 COLYER ROAD
 GRAVESEND DA11 8AT**

DRAWING
PROPOSED FRONT ELEVATION

SCALE DATE
 1:50 AT A3 JAN 2025

DRAWING NO.
 JH/07