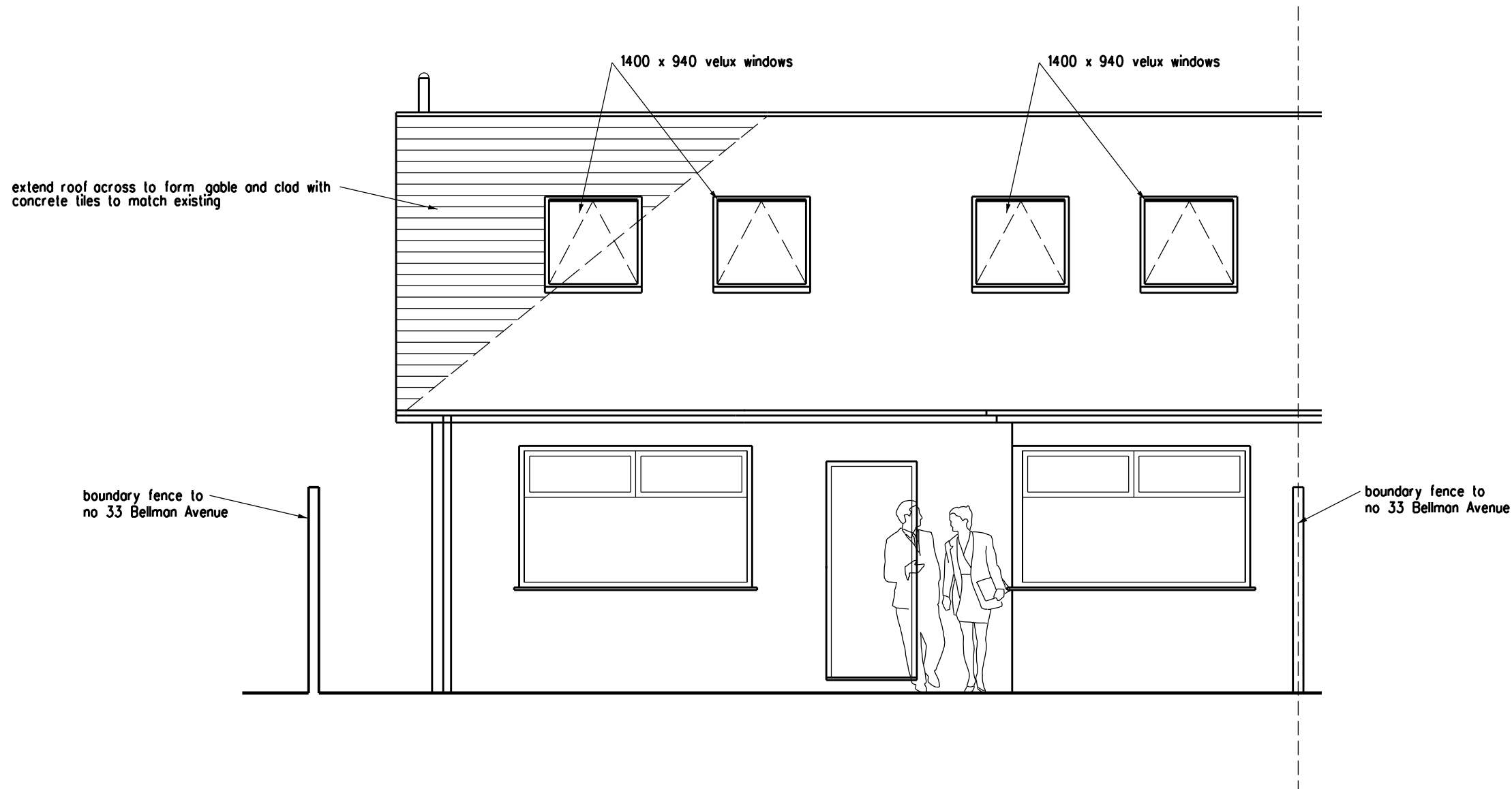




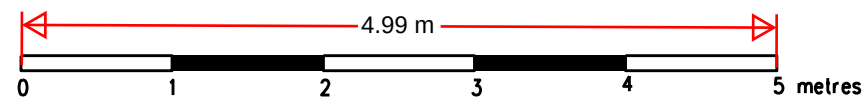
COMBINED DORMER AND HIP TO GABLE VOLUME P D CALCULATION

The total allowable area is 50m³ of the loft extension

Volume of the dormer is 31.68 m³ plus volume of the gable is 12.6 m³ total = 44.28 m³

Calculation of the external volume of the dormer is 1/2 height x depth x length
 $1.2 \times 3.2 \times 8.25 = 31.68 \text{ m}^3$

Calculation of external volume of the proposed hip to gable conversion is
 height of gable is 3.0
 top width from hip to gable is 3.6
 side width is 7
 $3.0 \times 3.6 \times 7 = 75.6 \text{ m}^3$
 $75.6 \div 6 = 12.6$



ARCHITECT
TA ARCHITECTS
 11 JOYDENS WOOD ROAD BEXLEY
 KENT DA5 2HS Tel 07905 130591
 ta140256@googlemail.com

JOB
PROPOSED LOFT EXTENSION
 AT 33 BELLMAN AVENUE
 GRAVESEND DA12 1RF

REVISION	DATE
DRAWING PROPOSED FRONT ELEVATION	
SCALE 1:50 AT A3	DATE JULY 2025
DRAWING NO. BT/25	