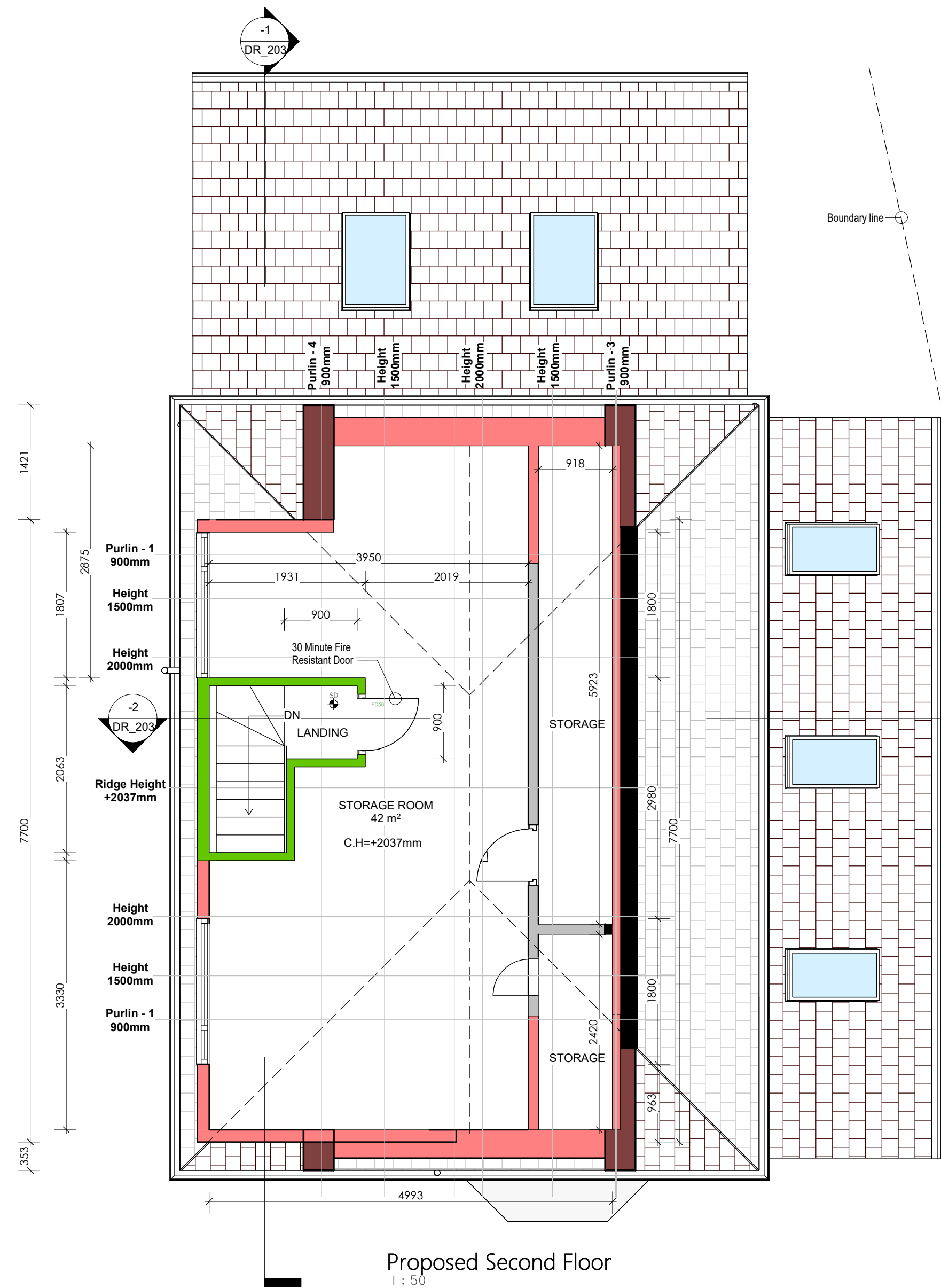
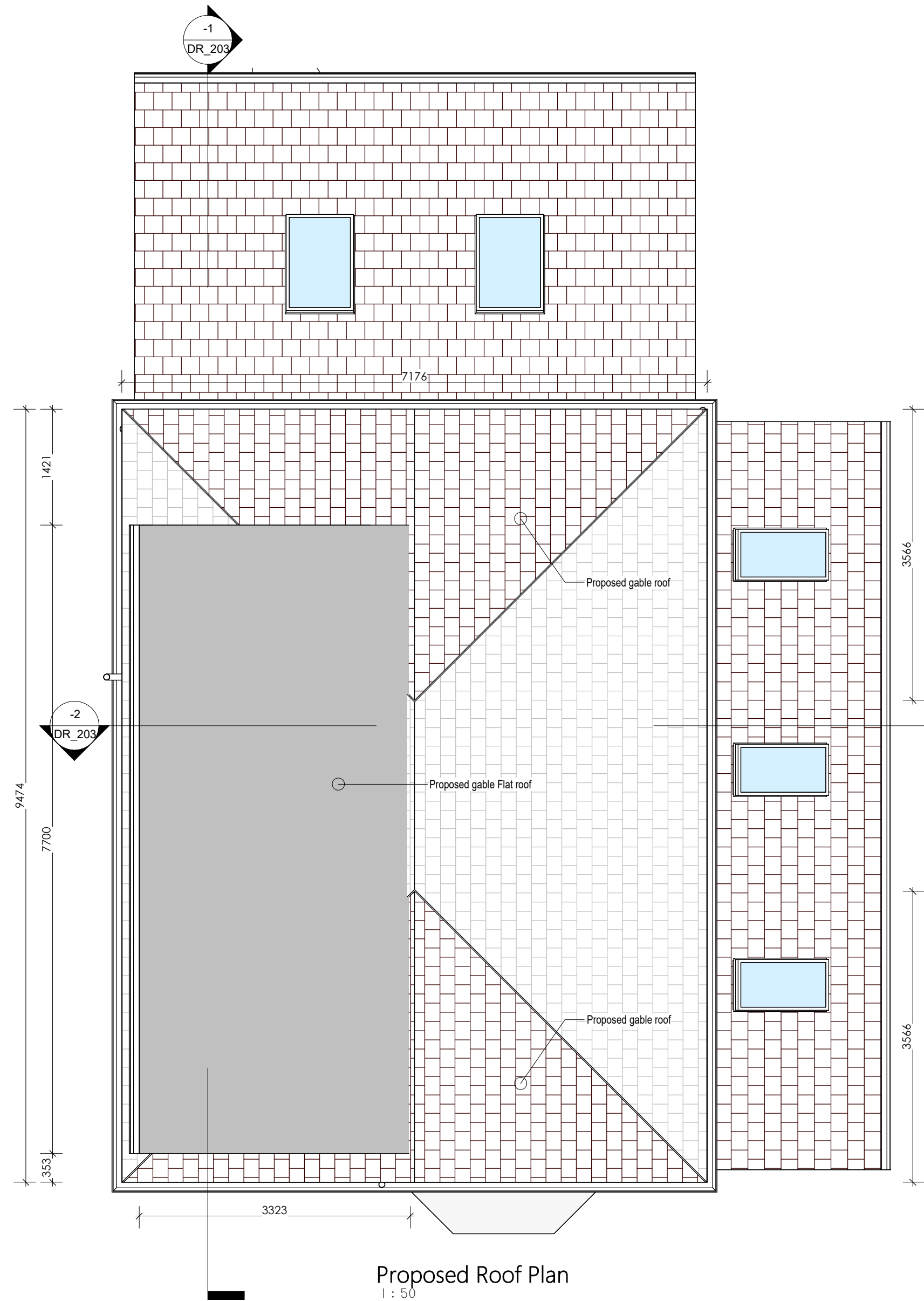




Proposed Second Floor
1:50



Proposed Roof Plan
1:50

**Calculation of Volumetric Increase
(after adding of Dormer and gables)**

Gable Ends
 $V = (1/2 A \times C) / 3 \times D1$

where,
A (depth of the main roof) = 7.176
C (Height of the main Roof) = 2.369
D1 (Ridge to eaves) = 3.566

Calculations:
 $V = (3.566 \times 2.369/3) \times 3.566$
 $V = 2.833 \times 3.566$
 $V = 10.10$ cubic meter

Total no. of gables: 2
 $10.10 \times 2 = 20.20$ cubic meters

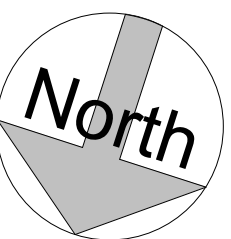
Rear Dormer
 $Dr = (E \times F)/2 \times G$

where,
E (Projection of the rear dormer) = 3.323
F (Height of the rear dormer) = 2.322
G (Width of the rear dormer) = 7.7

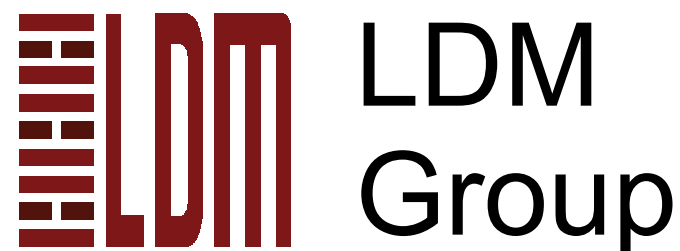
Calculations:
 $Dr = (3.323 \times 2.322)/2 \times 7.7$
 $Dr = (7.716)/2 \times 7.7$
 $Dr = 3.858 \times 7.7$
 $Dr = 29.70$ cubic meters

Total volumetric Increase = 20.20 + 29.70
Total volumetric Increase = 49.90 cubic meters

KEY	
	SMOKE DETECTOR
	HEAT DETECTOR
	EXISTING ESCAPEABLE WINDOWS
	PROPOSED ESCAPEABLE WINDOWS
	30 MINUTE FIRE RESISTANT DOOR
	FIRE EXTINGUISHER - WATER
	FIRE EXTINGUISHER - CARBON DIOXIDE
	FIRE BLANKET
	FIRE ALARM MANUALLY OPERATED PUSH BUTTON
	FIRE RESISTING CONSTRUCTION, 30 MINUTE FIRE RESISTANCE
	FIRE RESISTING CONSTRUCTION, 60 MINUTE FIRE RESISTANCE
	FIRE RESISTING COLUMN
	FIRE EXIT
	PROTECTED STAIRWAY
	DIRECTION OF ESCAPE
	COMPARTMENTATION SEPARATING A FLAT FROM ANY OTHER PART OF THE BUILDING OR FIRE COMPARTMENT
	CRITICAL SAFETY SIGNAGE LOCATION



Single storey rear and side extension,
and loft conversion



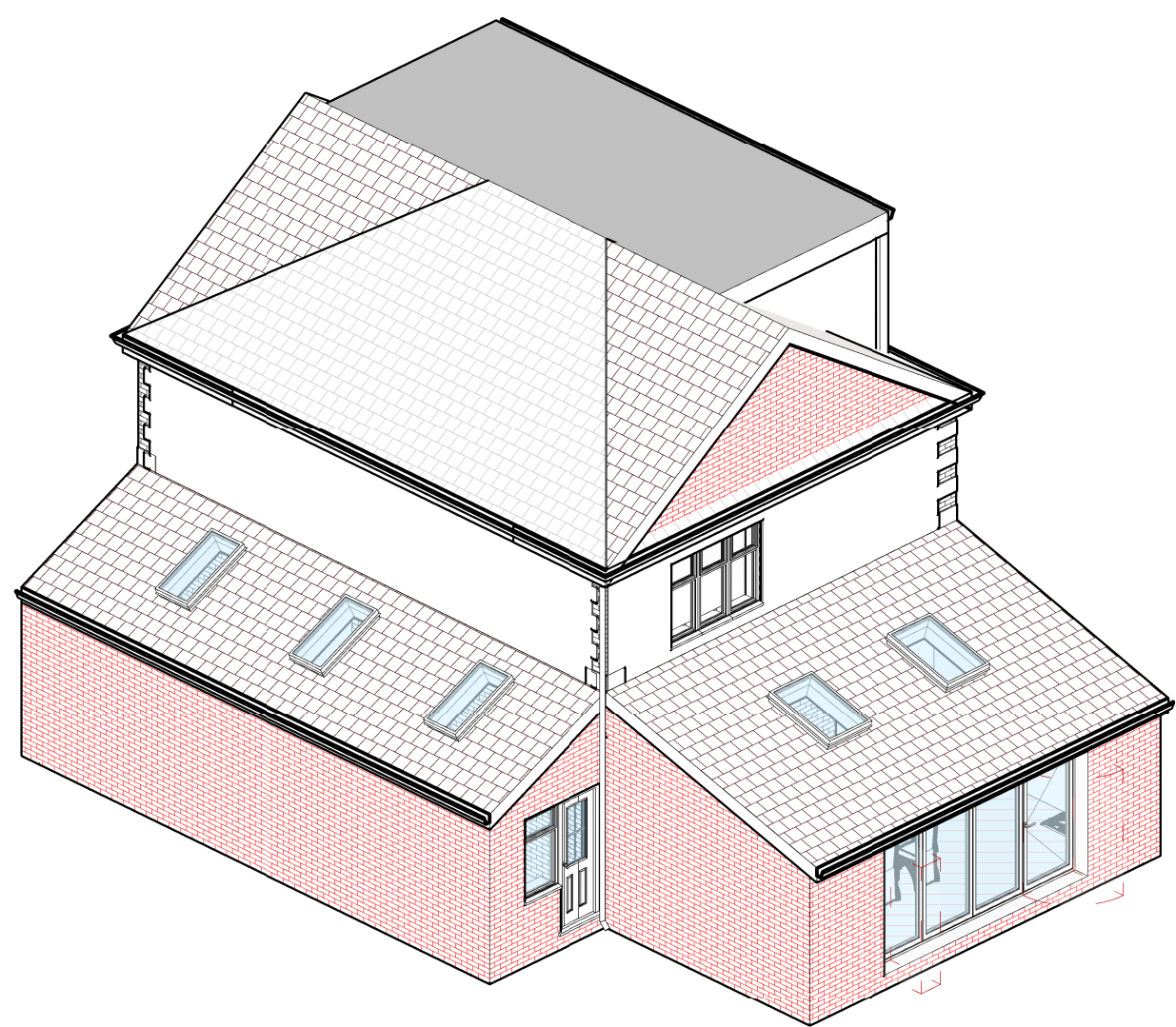
PROJECT: 2 Lee Street, Bury BL9 6SF

SHEET: Proposed Drawings

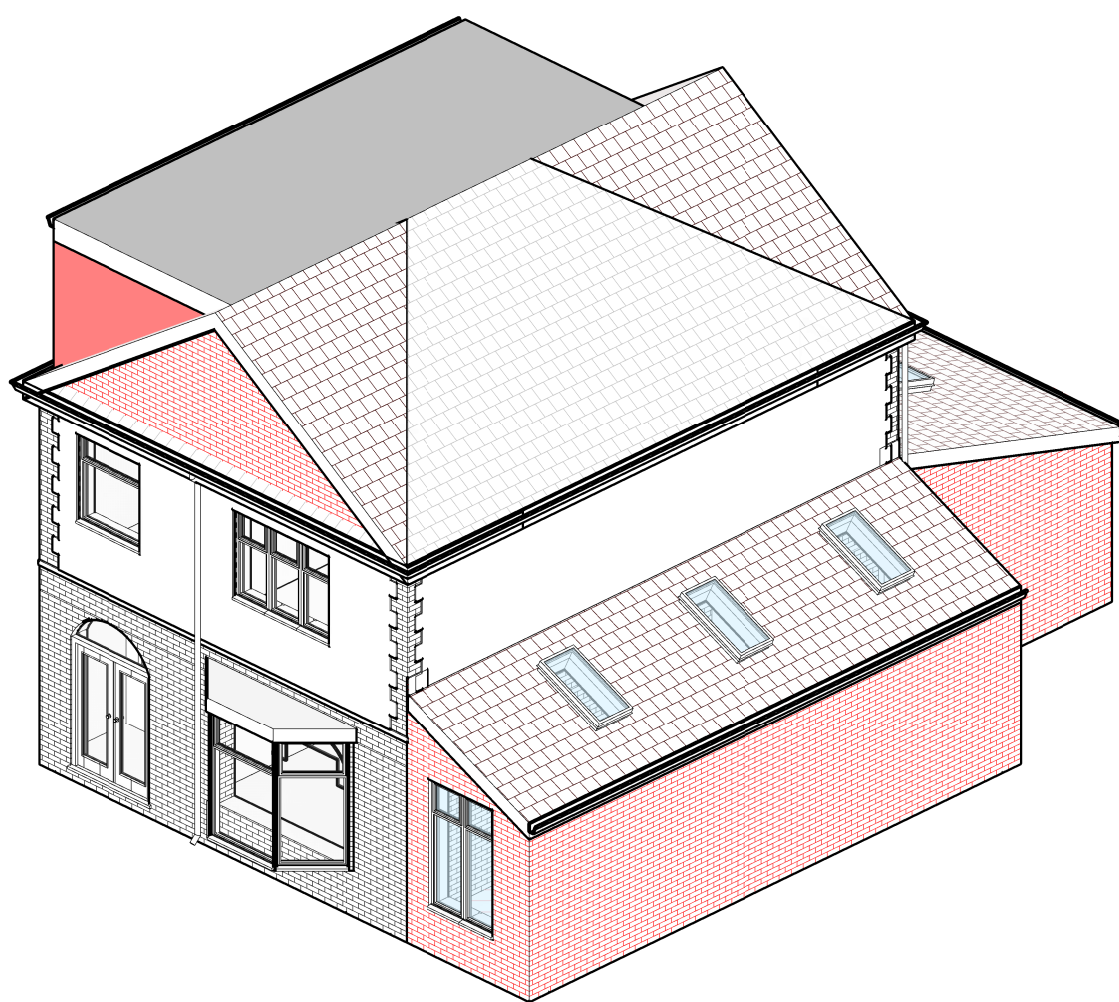
CLIENT: Joël & Florence Ekolongeni

Scale (@ A1): As indicated

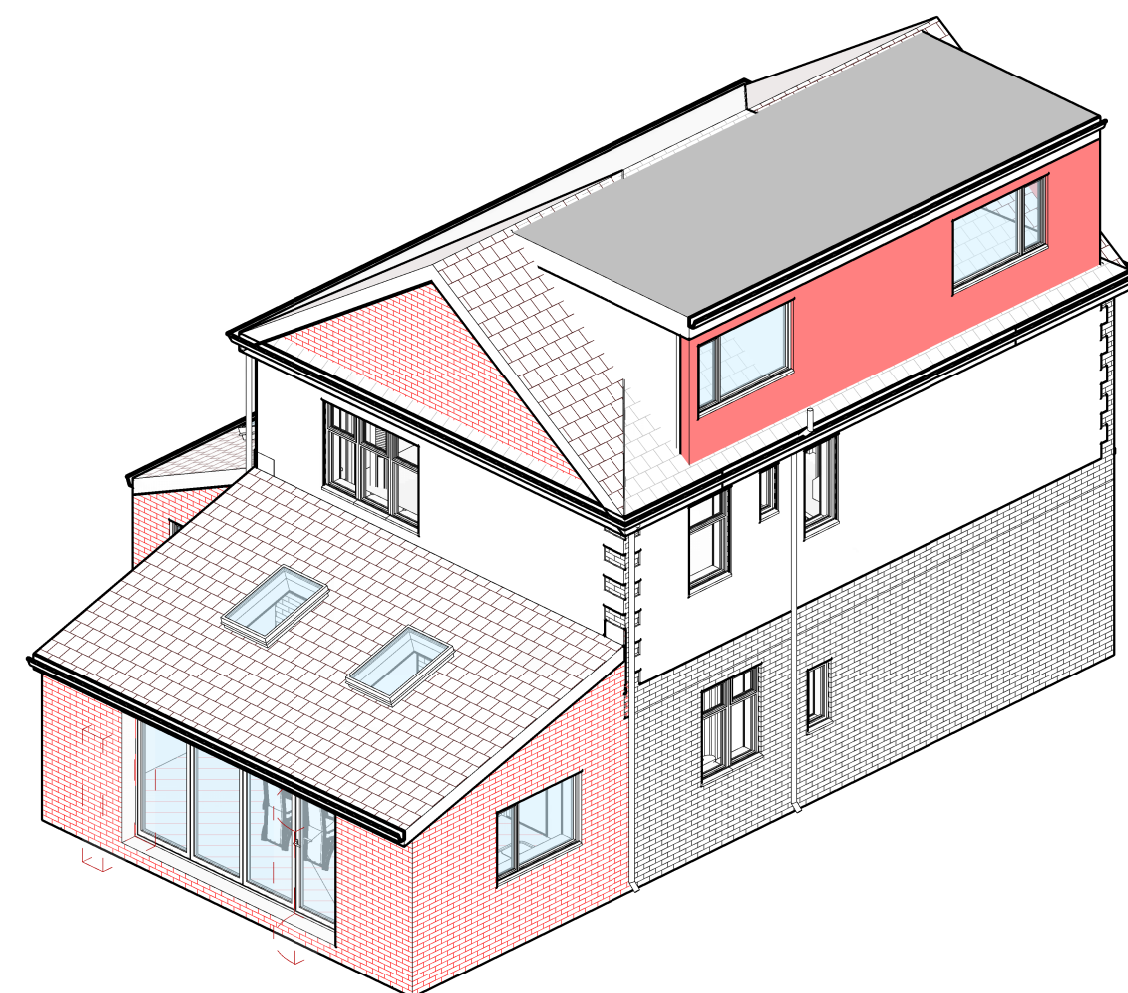
Drawn by: BA	DRAWING NUMBER: DR_204	REV: P3
Checked by: KK		



Proposed Rear-Right 3D View



Proposed Front-Right 3D View



Proposed Rear-Left 3D View