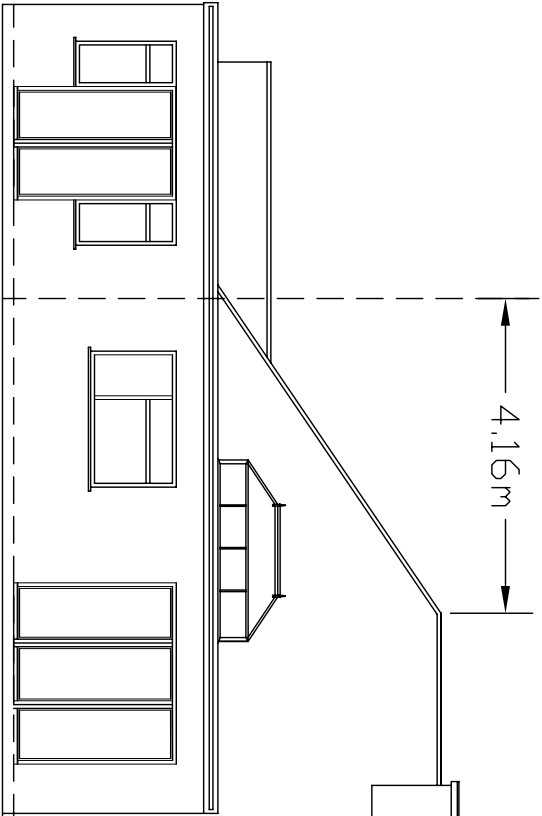
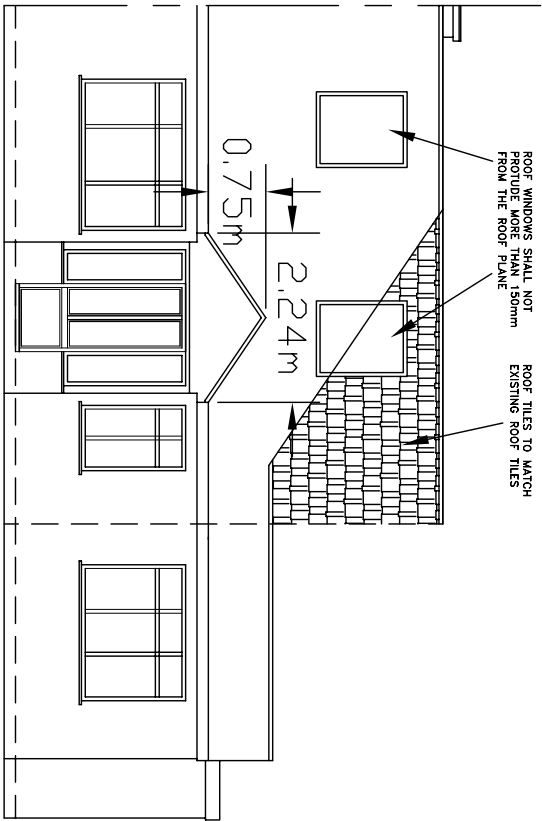


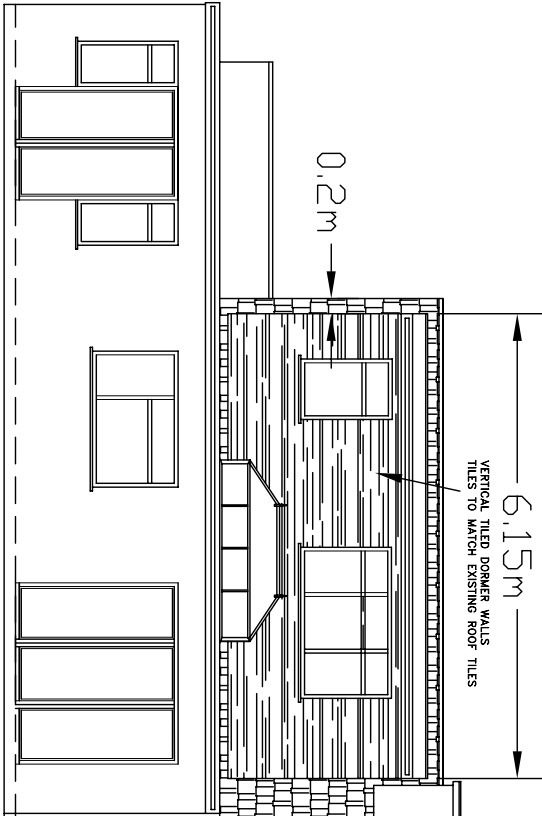
EXISTING FRONT ELEVATION



EXISTING REAR ELEVATION



PROPOSED FRONT ELEVATION



PROPOSED REAR ELEVATION

NOTES;

DIMENSIONS ARE TO CHECKED AND CONFIRMED BEFORE CONSTRUCTION PHASE.

ALL NEW EXTERNAL MATERIALS TO MATCH, AS CLOSE AS POSSIBLE, TO EXISTING EXTERNAL MATERIALS.

THE CLIENT IS RESPONSIBLE FOR PARTY WALL AGREEMENT OR ISSUES RELATING TO PARTY WALL

ALL STRUCTURAL ELEMENTS ARE TO BE DESIGNED AND SPECIFIED BY STRUCTURAL ENGINEER

EXISTING PORCH ROOF VOLUME;
 $\frac{1}{2}(2.43+1.4)/2 \times 2.24 \times 0.75 = 1.6\text{m}^3$

EXISTING FALSE ROOF VOLUME;
 $\frac{1}{2}(4.0+2.72)/2 \times 0.85 \times 1.1 = 1.57\text{m}^3$

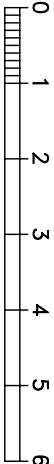
TOTAL EXISTING VOLUME = 3.17m³

ALLOWABLE VOLUME AVAILABLE FOR THE MAIN ROOF DORMER;
 $50.0 - 3.17 = 46.83\text{m}^3$

ROOF VOLUME TO CREATE HIP TO GABLE;
 $\frac{1}{3} \text{ AREA OF BASE } \times \text{ HEIGHT } =$
 $\frac{1}{3}(8.4 \times 3.1/2) \times 4.16 = 18.05\text{m}^3$

VOLUME OF DORMER
 $(6.15 \times 3.58 \times 2.6)/2 = 28.62\text{m}^3$

TOTAL VOLUME OF ROOF EXTENSION
 $18.05 + 28.62 = 46.67\text{m}^3$, LESS THAN
 46.83m^3



Scale bar 1:100

Project	Site	Drawing Title	Client	Scale	Date	Drawing No.
PROPOSED LOFT CONVERSION	59 MAPLE ROAD HAYES MIDDLESEX UB4 9LR	FRONT AND REAR ELEVATIONS	MR AMRIT PAL S NARANG	1:100@A3	APRIL 2024	59/MR/02/A