

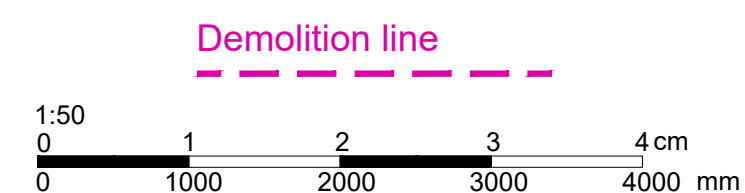
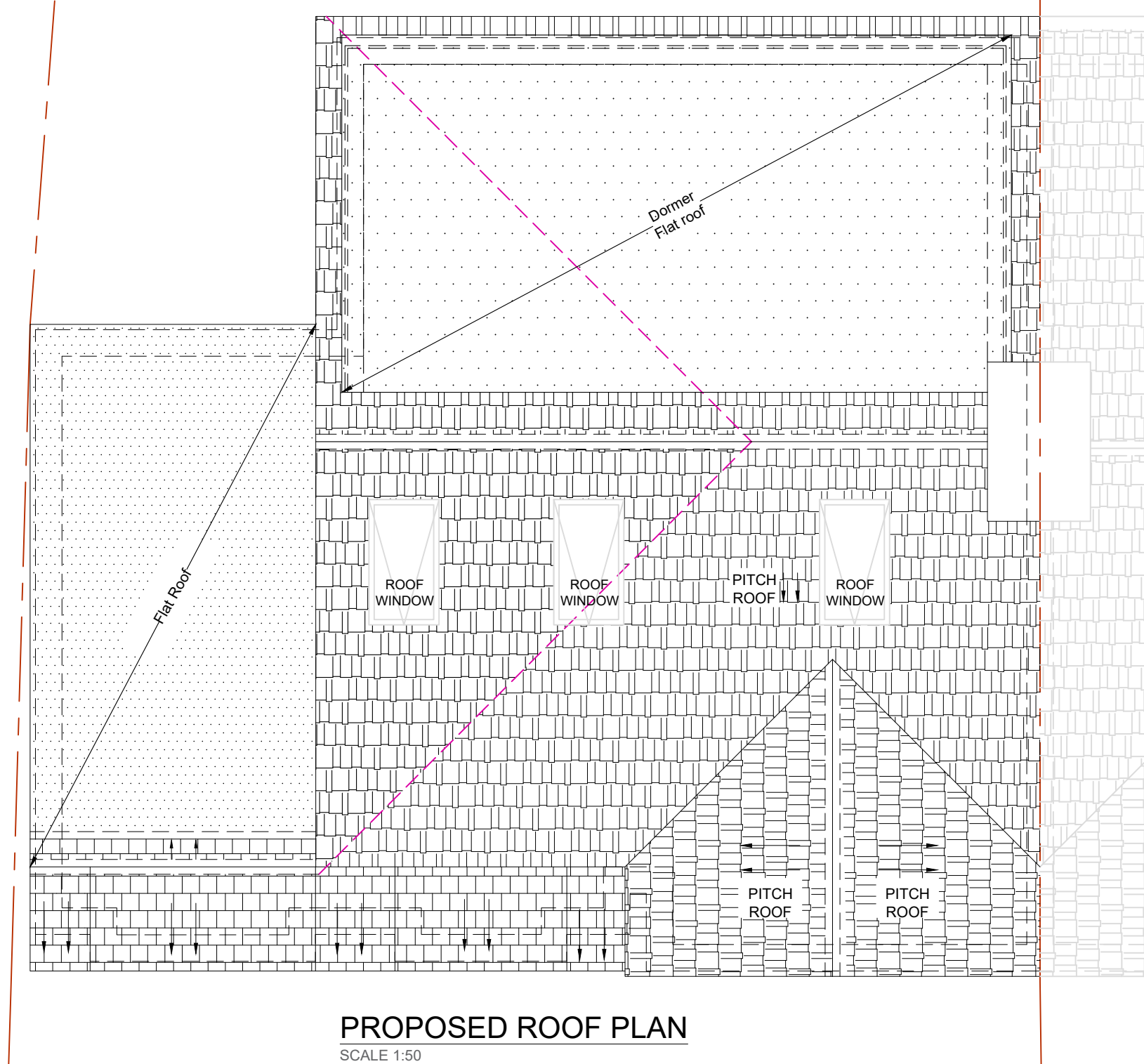
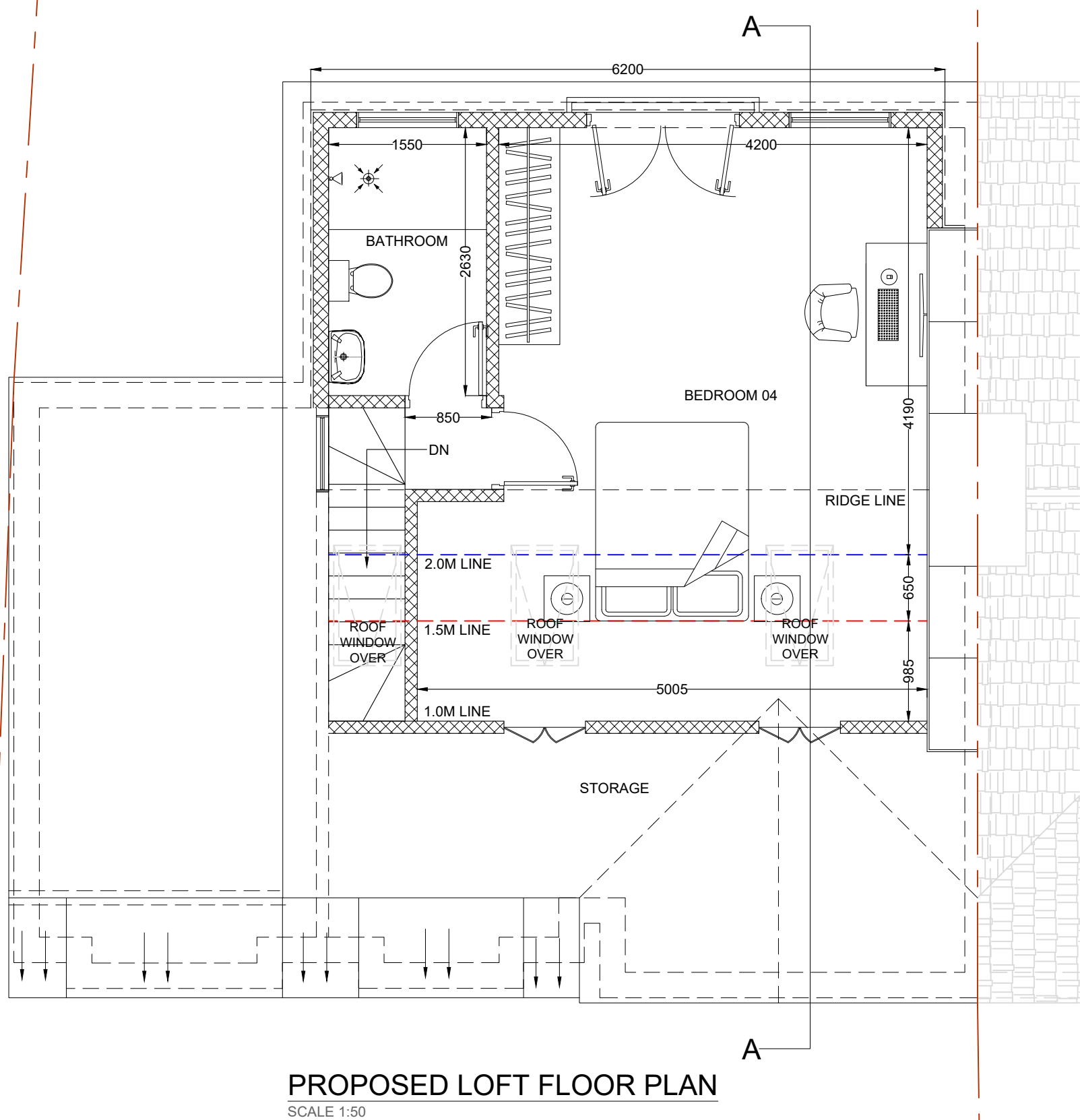
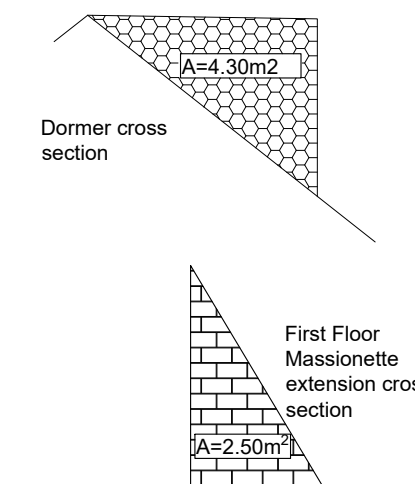
VOLUME CALCULATION


(Hip to gable volume) $V1 = \frac{Q \times W \times O}{6}$
 $= \frac{4.00 \times 8.00 \times 3.00}{6}$
 $= 16.00m^3$

Dormer volume $V2 = \text{Area} \times \text{length}$
 $= 4.30 \times 6.20$
 $= 26.66m^3$

First Floor Mansard extension cross section
 $V3 = \text{Area} \times \text{length}$
 $= 2.50 \times 2.70$
 $= 6.75m^3$

Total new volume $V = V1 + V2 + V3$
 $= 16.00 + 26.66 + 6.75$
 $= 49.41m^3 < 50.0m^3$ OK.



 malathy design www.malathydesign.com 02037 462 100 074 6610 3263	ARCH/CLIENT		Drawn BC	
	Project Title 9 BOUNDARY ROAD PINNER HA5 1PW		Checked SP	
	Drawing Title PROPOSED FLOOR, ROOF PLANS AND VOLUME CALCULATION		Scale 1:50	Size A1
	Project No. 2603	Drawing No. PL-02	Rev. C	