



VOLUME CALCULATION FOR HIP TO GABLE EXTENSION TO MAIN ROOF		
increase in length of existing roof ridge line	3.05 m	
width of existing hipped roof at eaves	6.35 m	
height of ridge above existing roofline at end of extended ridge	2.55 m	
volume added = $(3.05m \times 6.35m \times 2.55m) / 6$	8.23cubic m	
<b>ADDITIONAL VOLUME ADDED BY HIP TO GABLE EXTENSION TO MAIN ROOF</b>	<b>8.23cubic m</b>	
VOLUME CALCULATION FOR NEW REAR BOX DORMER		
cross section area of box dormer	$(2.75m \times 3.40m) / 2$	4.68 sqm
volume of box dormer	$4.68sqm \times 6.70m$ (dormer width)	31.36cubic m
<b>ADDITIONAL VOLUME ADDED BY BOX DORMER OVER REAR ADDITION ROOF</b>	<b>31.36cubic m</b>	
<b>TOTAL VOLUME ADDED BY EXTENSIONS TO ROOF</b>	$8.23cubic m + 31.36cubic m$	<b>39.59cubic m</b>



19 BATCLIFFE DRIVE  
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RUSSELL HUNT ARCHITECTS

PROJECT NO	2303	DRAWING NO	L(-4)12	SCALE	1:50@A3	DATE	Feb 2024	STATUS	Planning	DRAWN	Rus	CHECKED	
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CLIENT: Michael Zwick & Tamara Corin  
PROJECT: 21 St Marys Avenue, London, N3 1SN  
TITLE: Proposed Rear Elevation