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PROJECT	93 WOOD VALE LONDON N10 3DL		Designed by BCA
DESCRIPTION	ROOF EXTENSION & DORMER VOLUME		Date 27-01-26
	REAR ELEVATION DORMER ROOF EXTENSION		
	ADDITIONAL HIP TO GABLE SEGMENT		
	VOLUME OF TRIANGULAR PRISM		
	AREA OF GABLE TRIANGLE $2.519 \times 1.341/2$		= 1.68 m ²
	LENGTH = $(1.474 \times 2) = 2.988$		
	VOLUME OF PRISM $1.68 \times (1.474 \times 2)$		= 5.02 m ³
	VOLUME OF PYRAMID		
	$2.519 \times (1.474 \times 2) \times 1/3 \times 1.341$		= 3.36 m ³
	VOLUME OF SEGMENT $5.02 - 3.36 \times 2$		= 3.32 m ³
	TOTAL VOLUME REAR DORMER $18.22 + 3.32$		= 21.54 m³
	TOTAL BROUGHT FORWARD		
	STAIR DORMER (PAGE 1)		= 4.07 m³
	SIDE DORMER (PAGE 2)		= 22.69 m³
	REAR DORMER (PAGE 3/4)		= 21.54 m³
	TOTALS OF ROOF EXTENSION UNDER PD		= <u>48.30 m³</u>
	ACCEPT PROPOSED ROOF ADDITION		
	REQUIREMENT UNDER CLASS B		= 50.00 m³
	DETACHED HOUSE		