MUSE Architects

REAR DORMER ROOF-VOLUME CALCULATION

Site: 8 Clibran Street, Cheetham Hill, Manchester, M8 0RD
Proposal: Rear dormer loft conversion

1. Measurement Basis

The calculation is based on the external dimensions of the proposed rear dormer, taken from the submitted plans, elevations and sections.

Measurement	Symbol	Dimension
External dormer height	H	2 m
External dormer depth	D	3 m
External dormer width	L	4.077 m

2. Proposed Dormer Volume

For a standard flat-roof dormer forming a triangular-prism enlargement:

Volume = ½ × H × D × L

Volume = ½ × 2 × 3 × 4.077

Proposed dormer volume = 12.231 m³

3. Cumulative Roof Enlargement

Proposed dormer: 12.231 m³
Previous enlargement: 0 m³

Total cumulative roof enlargement = 12.231 m³

4. Class B Allowance

The property is a terraced dwellinghouse. The applicable maximum cumulative roof enlargement under Schedule 2, Part 1, Class B is 40 m³.

Calculated cumulative volume: 12.231 m³
Permitted allowance: 40 m³
Remaining allowance: 27.769 m³

5. Conclusion

The cumulative additional roof volume is calculated as 12.231 m³, which is below the applicable 40 m³ limit for a terraced dwellinghouse.

Subject to confirmation of the submitted dimensions, planning history and remaining Class B limitations and conditions, the proposed rear dormer complies with the applicable roof-volume requirement.