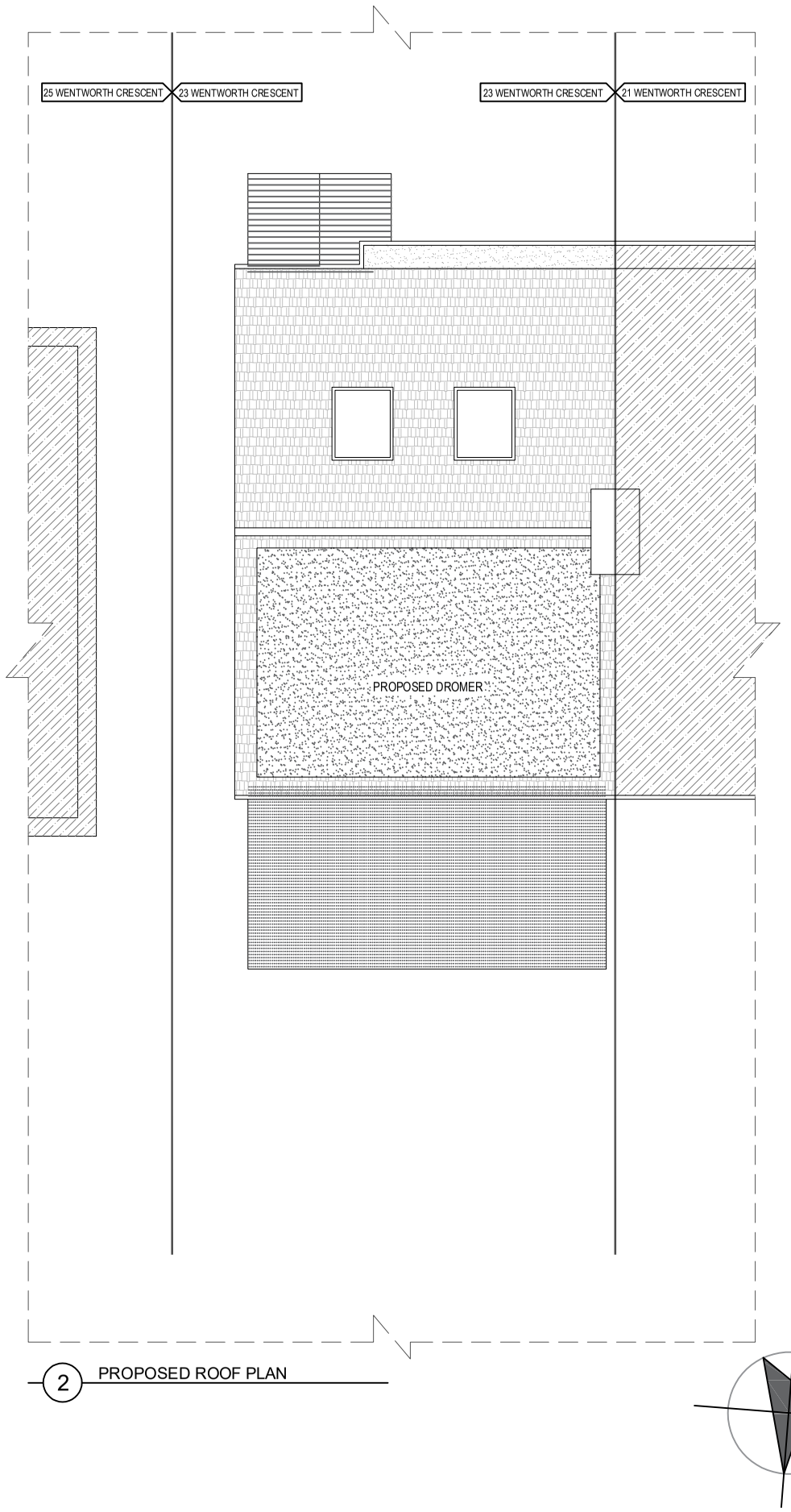


2 PROPOSED ROOF PLAN

Calculation for Hip to Gable Roof Volume

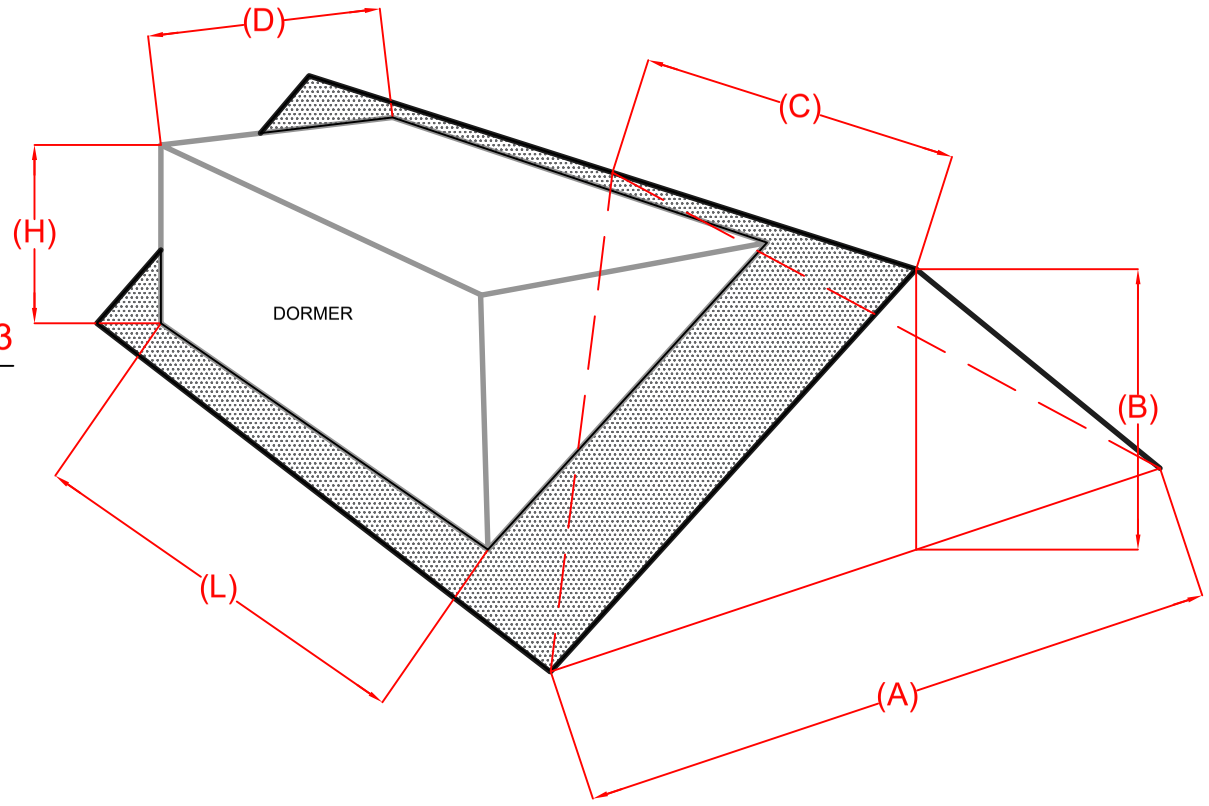
Depth of main roof- (A)	8.6m
Height of main roof- (B)	3.1m
Ridge to Eaves in plan- (C)	4.5m

Formula: V = $\frac{1}{3}$ Base are x Height.

V = $\frac{1}{3}$ (8.6 x4.5/2) x 3.1

6.45 x3.1 = 19.99 m3.

Total Volume added to the existing roof = 19.99m3



Volume of additional Dormer

Depth of Dormer- (D)	3.6m
Height of Dormer - (H)	2.5m
Length of Dormer - (L)	5.1m

Formula: V = Depth x Height/2 x Length.

V = 3.6 x 2.5/2 x 5.1 = 22.95 m3.

Total Dormer Volume added to the existing roof = 22.95m3

Total Volume = 19.99m3 +22.95m3= 42.94m2

In the proposed development added volume to the existing roof is 42.94 cubic meters, which is within 50 cubic meters limit for a Permitted Development for a semi-detached property that has not been previously extended.
Also any proposed part of the roof alteration is not higher than the highest part of the existing roof. The Dormer extension is set at least 200mm from eaves.

NOTES:

1. This drawing is prepared solely for planning and building regulation purposes. It is not intended or suitable for construction purposes and should not be used as such.
2. Do not scale dimensions off this drawing. Check all dimensions on site before construction. Final coordination and checks are responsibility of the site team to suit conditions and tolerances before any installation. Report all errors or omissions to Designed Architect.
3. All dimensions, levels, sizes, positions and locations of particulars as indicated on drawings are to be verified by the appointed contractor on site prior to engaging in works. any discrepancies must be reported to the architect/surveyor/engineer or responsible person/s immediately.
4. The contractor is responsible for ensuring compliance with the CDM regulations, and appropriate health & safety on site precautions.
5. The client/building owner must obtain any necessary party wall agreements, prior to engaging in the works on site.
6. For any structural steelworks details please refer to structural engineer's drawings & calculations.

1 : 100 0 1 2 3 4 5 6

LAWFUL DEVELOPMENT CERTIFICATE	DRAWING TITLE: PROPOSED ROOF PLAN & VOLUME CALCULATIONS		DRAWING NUMBER: GA 2003 / REV: A
PROJECT: 23 WENTWORTH CRESCENT,UB3 1NL	SCALE: 1:100@A3	DATE: 21/02/2026	