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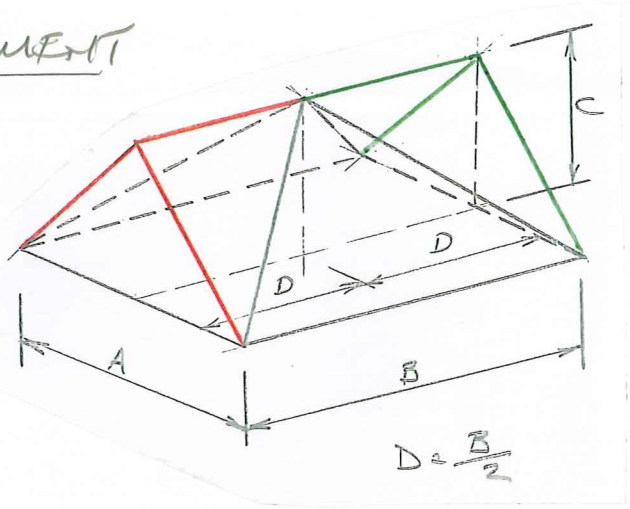
Project: 29 EDWARD AVENUE			Project No. 16-1116	Sheet No.
Item ROOF VOLUME				
Prepared ek	Date APR. 16	Checked	Revision	Date

CALCULATIONS

VOLUME OF HIP TO GABLE ENLARGEMENT

A = 8.3m, B = 8.6m C = 2.8m



VOLUME OF PYRAMID

$= \frac{8.3 \times 8.6}{3} \times 2.8 = 66.6m^3$

VOLUME OF PRISM

$= \frac{8.3}{2} \times 2.8 \times 8.6 = 100m^3$

$\therefore$ ENLARGEMENT $= \frac{100 - 66.6}{2} = 16.7m^3$.

VOLUME OF DORMER

CSA = $5m^3$

$\therefore 5 \times 4.9 = 24.5m^3$

$\therefore$ TOTAL VOLUME INCREASE $= 16.7 + 24.5 = 41.2m^3 < 50$

✓OK.