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CALCULATION SHEET

SHEET No. VC1
CONTRACT No. 24-27
SCALE. –
DATE. SEPT. 2024
BY. PDE

CONTRACT 19 ILEX WAY GORING SUSSEX
DRG. TITLE VOLUME CALCULATION

PROPOSED ENLARGED REAR & SIDE DORMERS

VOLUME CALCULATION FOR * REAR DORMER & ENLARGED SIDE DORMER (BATHROOM)

* EXISTING REAR DORMER WOULD APPEAR TO BE AN ADDITION NOT ORIGINAL.

** THE EXISTING SIDE DORMER (BATHROOM) & FRONT DORMER (BEDROOM) APPEAR TO BE AN ORIGINAL FEATURE

INCREASED VOLUME OF ROOF ADDITIONS

REAR DORMER

$$V = \frac{7.0 \times 2.075 \times 2.05}{2} + 0.2 \times 2.25 \times 7.2$$

$$V = 14.89 + 3.24 = 18.13\ m^3$$

ENLARGED SIDE DORMER

$$V = \left(\frac{3.6 \times 1.575 \times 1.6}{2} + 0.2 \times 1.8 \times 3.8\right) - \left(\frac{2.3 \times 1.1 \times 1.0}{2} + 0.2 \times 1.2 \times 2.5\right) =$$

$$V = (4.54 + 1.37) - (1.27 + 0.6) = 4.04\ m^3$$

TOTAL VOLUME = $22.17\ m^3$

$< 50\ m^3$ 'PERMITTED DEVELOPMENT' ALLOWANCE FOR ROOF ADDITIONS DETACHED PROPERTIES.