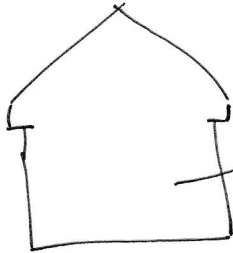


EXISTING VOLUME:

SECTIONAL AREA OF
MAIN DWELLINGTAKEN FROM COMPUTER MODEL = 33m^2

$$L = 12.32\text{m} \times \cancel{33\text{m}^2}$$

$$\text{VOL} = 12.32\text{m} \times 33\text{m}^2 = \underline{406.6\text{m}^3}$$

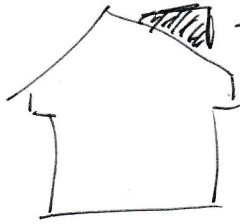
SECTIONAL AREA OF
EXG. GARAGETAKEN FROM COMPUTER MODEL = 24.7m^2

$$L = 5.6\text{m}$$

$$\text{VOL} = 5.6\text{m} \times 24.7\text{m}^2 = \underline{138.3\text{m}^3}$$

$$\text{TOTAL EXG VOL} = \underline{\underline{544.9\text{m}^3}}$$

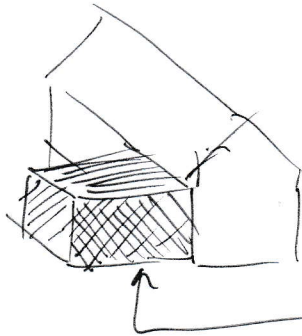
Additional Volume



DORMER SECTIONAL
AREA TAKE FROM
COMPUTER MODEL = 1.35 m^2

$$L = 10.39 \text{ m}$$

$$\text{VOL} = 10.39 \text{ m} \times 1.35 \text{ m}^2 = \underline{14 \text{ m}^3}$$



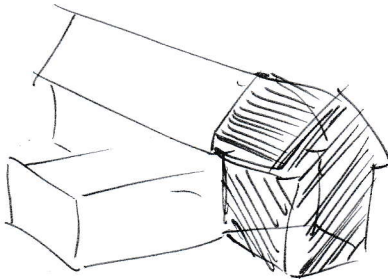
SUN ROOM REAR EXTENSION

$$(W) = 4.99 \text{ m}$$

$$(L) = 4.0 \text{ m}$$

$$(H) = 2.7 \text{ m}$$

$$\text{VOL} = \underline{53.89 \text{ m}^3}$$



SIDE EXTENSION

$$\text{SECTIONAL AREA} = 33 \text{ m}^2$$

$$L = 2.475 \text{ m}$$

$$\text{VOL} = 2.475 \text{ m} \times 33 \text{ m}^2 = \underline{81.67 \text{ m}^3}$$

$$\text{TOTAL ADDITIONAL VOLUME} = \underline{\underline{149.56 \text{ m}^3}}$$

Pg 3.

$$\text{EXISTING VOLUME} = 544.9 \text{ m}^3$$

$$\text{ADDITIONAL VOLUME} = 149.56 \text{ m}^3$$

$$\therefore \text{INCREASE IN VOLUME} = \left[\frac{149.56}{544.9} \times 100 \right]$$

$$= \underline{\underline{27.4\%}}$$