



Main Rear dormer

$W \times P \times H$

$$4.405 \times 3.73 \times 2.291 = 37.64$$

$$37.64 \div 2 = \boxed{18.821} \quad \text{MAIN REAR DORMER VOLUME}$$

$W = \text{width}$   $P = \text{Pitch}$

$H = \text{Height}$

L SHARP REAR DORMER

LARGE CUBOID - HALF OF SHARP CUBOID

LARGE CUBOID

$$3.17 \times 3.137 \times 3.190 = 31.72$$

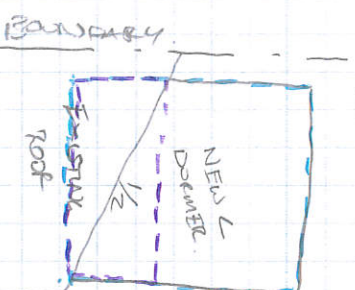
SHARP CUBOID

$$3.17 \times 3.137 \times 1.554 = 15.45$$

$$15.45 \div 2 = 7.72$$

$$31.72 - 7.72 = 24$$

$$\text{BOTH DORMERS CONSIDERED VOLUME} = 24 + 18.821 = \boxed{42.821}$$



VOLUME OF ROOF DN EXTENSION ADDED 2014 UNDER APP REF PL/12/0521

CUBOID VOLUME

$$2.240 \times 3.412 \times 1.730 = 13.22$$

$$13.22 \div 2 = 6.61$$

VOLUME OF THE PROPOSED DORMERS CONSIDERED WITH VOLUME OF ROOF ADDED 2014

$$42.821 + 6.61 = \boxed{49.43 \text{ m}^3}$$

ALLOWANCE FOR SEMI DETACHED PROPERTIES = 50 m<sup>3</sup>