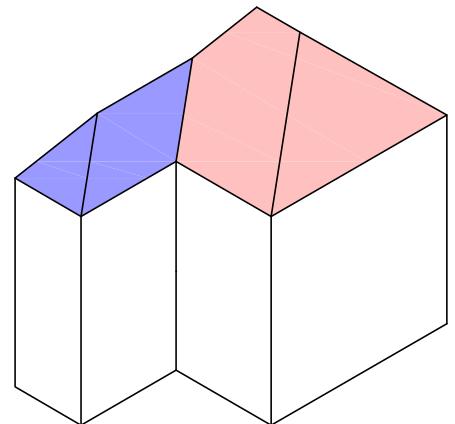
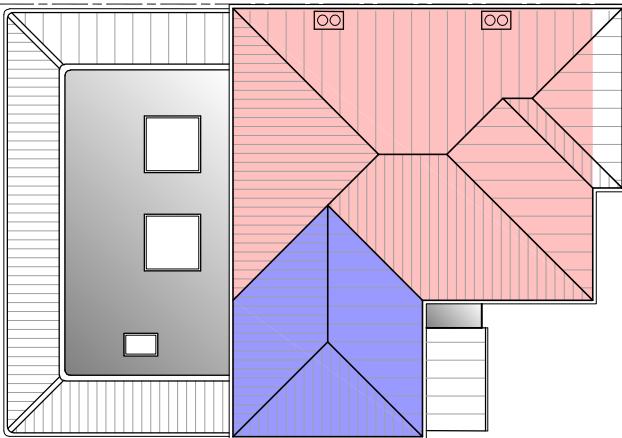


# EXISTING ROOF VOLUME CALCULATIONS



MAIN SECTION OF ROOF  
HIGHLIGHTED IN RED

$$\begin{aligned}
 7.670 \times 1.744 \times (3.318 / 2) &= 22.19\text{m}^3 \\
 + \\
 7.670 \times (3.835 \times 2) \times (3.318 / 3) &= 65.06\text{m}^3 \\
 = 87.25\text{m}^3
 \end{aligned}$$

+

SIDE SECTION OF ROOF  
HIGHLIGHTED IN BLUE

$$\begin{aligned}
 6.070 \times 2.173 \times (4.898 / 2) &= 32.30\text{m}^3 \\
 - \\
 (2.449 \times 2.173 \times 4.898) / 6 \times 2 &= 8.68\text{m}^3 \\
 = 23.62\text{m}^3
 \end{aligned}$$

TOTAL VOLUME

**110.87 m<sup>3</sup>**



SECTION OF ROOF ABOVE FRONT BAY WINDOW NOT INCLUDED IN CALCULATIONS