

Sheeran Hame

Hawthorn

Garage beam

$$U_{all} = \left( 3.4 \times \frac{0.9}{2} + 0.6 \times \frac{0.9}{2} \right) = 1.8 \text{ kN/m}$$

$$B_{max} = 1.8 \times \frac{5^2}{8}$$

$$= 5.63 \text{ kNm}$$

$$Z_{reqd} = \frac{5.63 \times 10^6}{1.35 \times 6 \times 1.14} = 610 \times 10^3 \text{ mm}^3$$

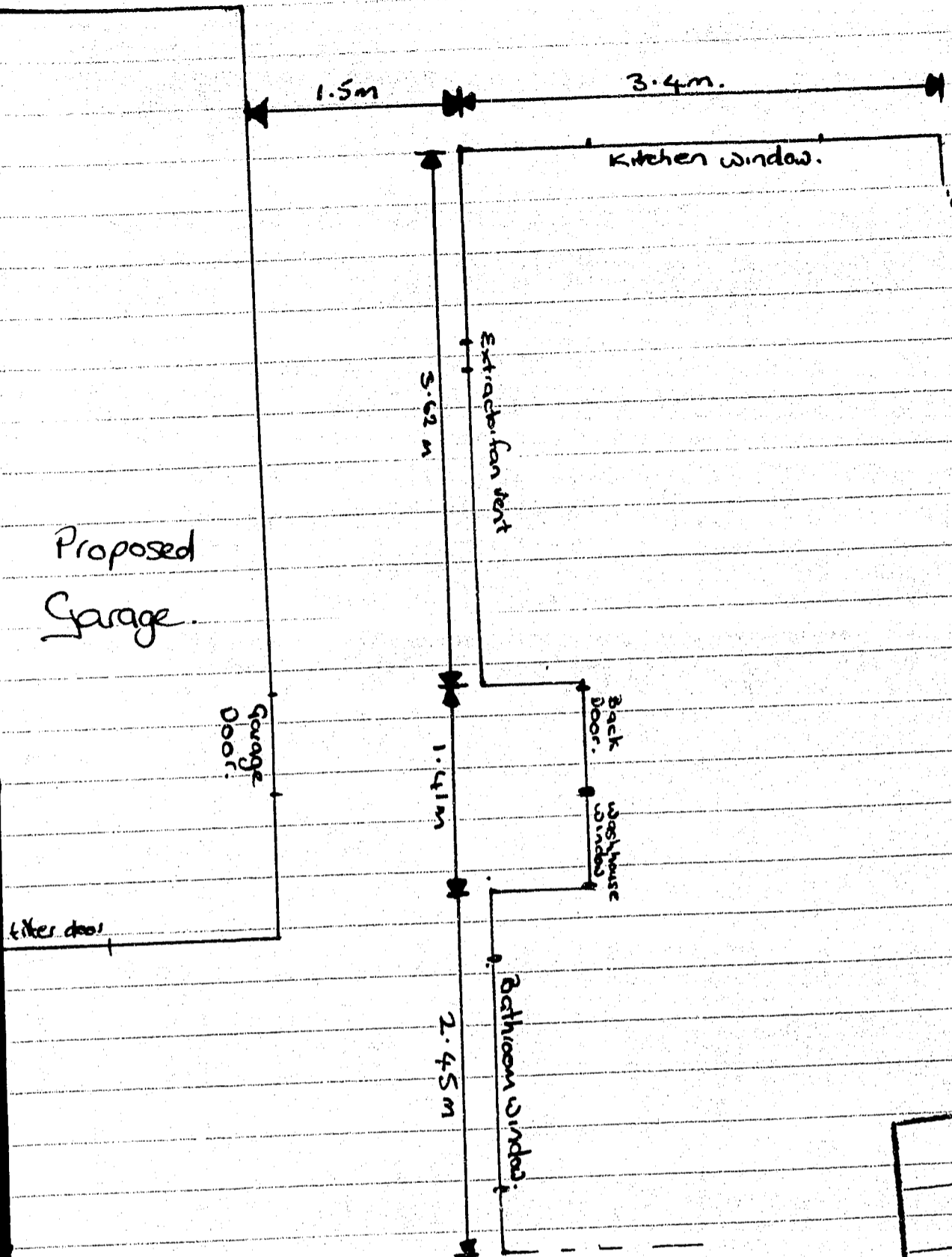
$$2/250 \times 50$$

$$S = \frac{57384 \times 1.8 \times 10^3}{8 \times 10^3 \times 1.14 \times 10^6} = \frac{5.4 \times 10^9}{8 \times 10^3 \times 1.14 \times 10^6}$$

$$= 16 \text{ mm} \cdot 0.0032 \text{ L}$$

$$\text{use } 2/300 \times 50$$

Ranjit Kaur  
15/12/90



NO eaves / 0/10mm

AMENDED PLANS	Date	20 DEC 1980
Stat P.		
P. & D.		
BL		
Design		
ST/TR		

(Aq. DALLREST)