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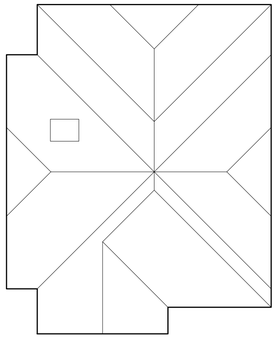


Proposed Roof Plan

Volume Calculations
Max. Permitted Additional Volume For Loft Extensions 50m²

Garage Side, Full hip to gable side extension = (height x width x depth) / 6
= (3.335 x 4.820 x 7.640=122.81) /6 = 20.46m³

Subtract small prism from full hip to gable to obtain volume of side half gable extension

Small prism volume = (height x width x depth) / 6
= (1.4 x 1.5 x 2.9 =6.09) / 6 = 1.015m³

Garage Side, Half Gable Extension = 20.46m³ - 1.015m³ = 19.445m³

Entrance Side, Full hip to gable side extension = (height x width x depth) / 6
= (3.335 x 3.820 x 7.640=97.33) /6 = 16.22m³

Subtract small prism from full hip to gable to obtain volume of side half gable extension

Small prism volume = (height x width x depth) / 6
= (1.4 x 1.5 x 2.9 =6.09) / 6 = 1.015m³

Entrance Side, Half Gable Extension = 16.22m³ - 1.015m³ = 15.205m³

Rear, Full hip to gable side extension = (height x width x depth) / 6
= (3.335 x 3.820 x 7.640=97.33) /6 = 16.22m³

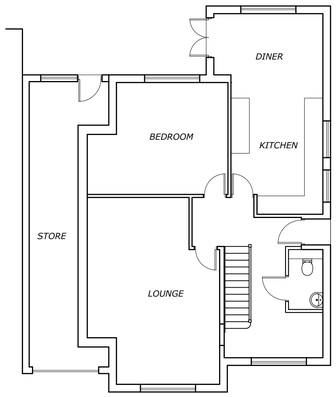
Subtract small prism from full hip to gable to obtain volume of side half gable extension

Small prism volume = (height x width x depth) / 6
= (1.4 x 1.5 x 2.9 =6.09) / 6 = 1.015m³

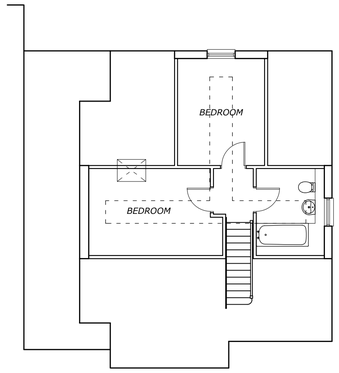
Rear, Half Gable Extension = 16.22m³ - 1.015m³ = 15.205m³

TOTAL VOLUME

Garage side = 19.445m³ + Entrance side = 15.205m³ + Rear = 15.205m³ = 49.855m³

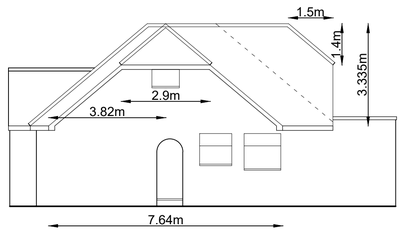


Proposed Ground Floor

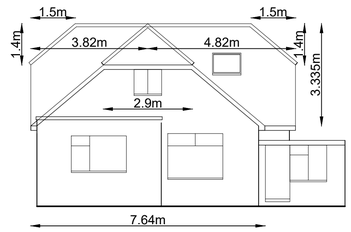


Proposed First Floor

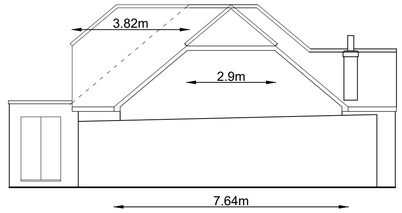
Front



Side

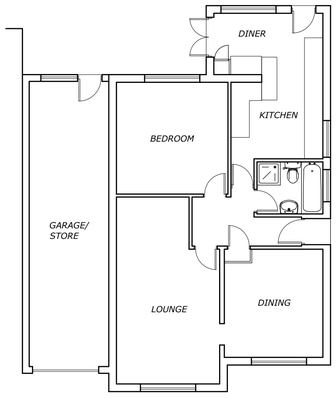


Rear



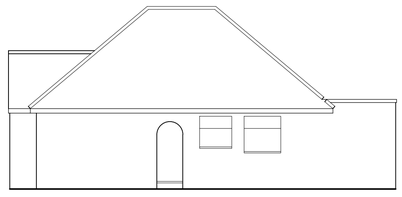
Side

Proposed Elevations



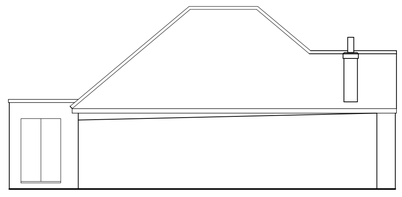
Existing Ground Floor

Front



Side

Rear



Side

Existing Elevations

0 5m 10m

23 PEMBROKE ROAD , RUISLIP .

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