



Loft Volume calculations:

1) Roof Volume :
Base of gable wall= 9.14m
Width of gable wall=5.9m
Height of gable wall=2.8m

Increase in roof volume
 $=(9.14 \times 5.9 \times 2.8)/6$
 $=25.16 \text{ cu.m.}$

2)Dormer Volume:
Length of dormer=4.8m
Height of dormer=2.43m
Projection of dormer=4.2m

Volume of Dormer
 $=(4.8 \times 2.43 \times 4.2)/2$
 $=24.49 \text{ cu.m.}$

TOTAL VOLUME
 $=25.16 + 24.49$
 $=49.65 \text{ cu.m.} < 50.0 \text{ cu.m.}$

GENERAL - New materials to match existing

Dormer walls - to be red/brown roof tiles to match existing

WINDOWS - All new windows to be UPVc double glazed, profile to match existing + set within opening to match existing.

- Side windows to be obscure glazing, top opening to be 1.7m from FFL.

ROOFLIGHTS - 'Velux' or similar style rooflights. to be max 150mm above slop of roof

DORMER -
- Dormer flat roof: GRP grey colour
- Dormer to be lower than top of existing roof ridge.

RWP & GUTTERS - to be UPVc black to match existing.

EAVES - Detail to match existing, ie height of fascia & soffit width + colour of soffit and fascia

ROOF -
- Pitch roof - Plain red/brown roof tiles to match existing.

JULIET BALCONY

Balcony glass to be 11.5mm laminated toughened
Railing to be min 1.1 meter high from SILL
Strength - handrail/glass pressure must be able to take 1.5kN/m and to meet BS 6180:2011 and be tested for impact loading in accordance with BS 6206 and BS EN 12600.
"Frameless Juliette system, Code: FBAL 100 R from Balconette" or similar

