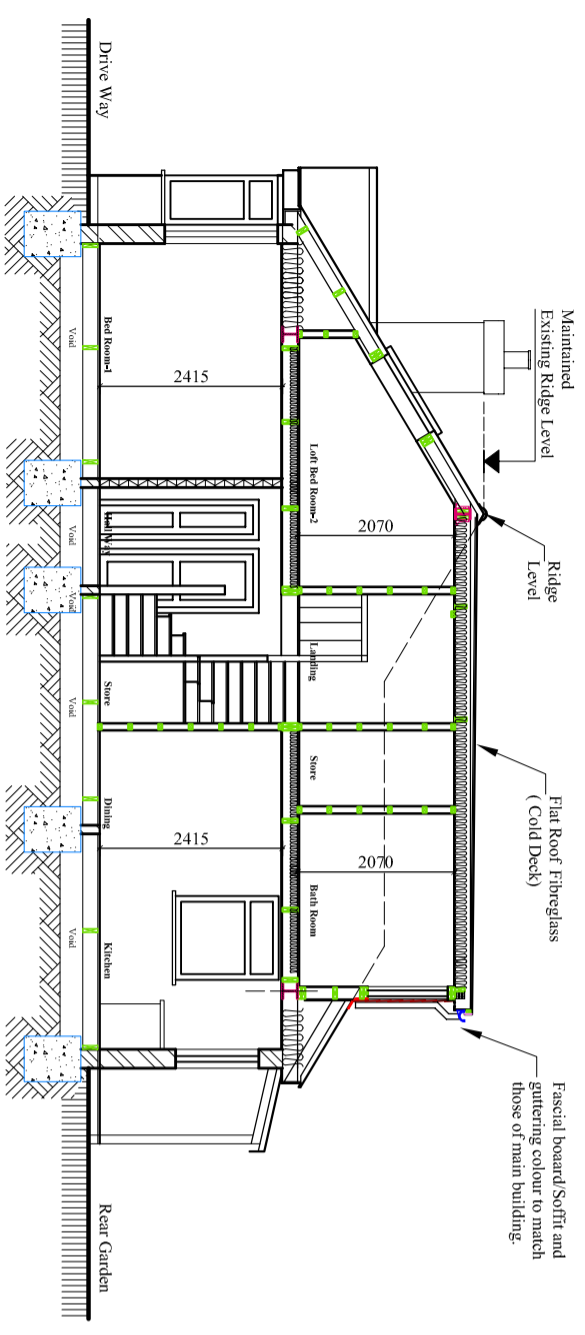
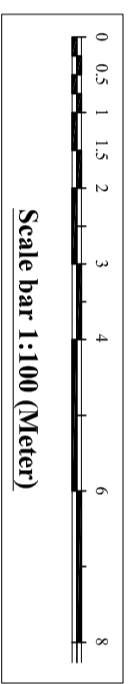
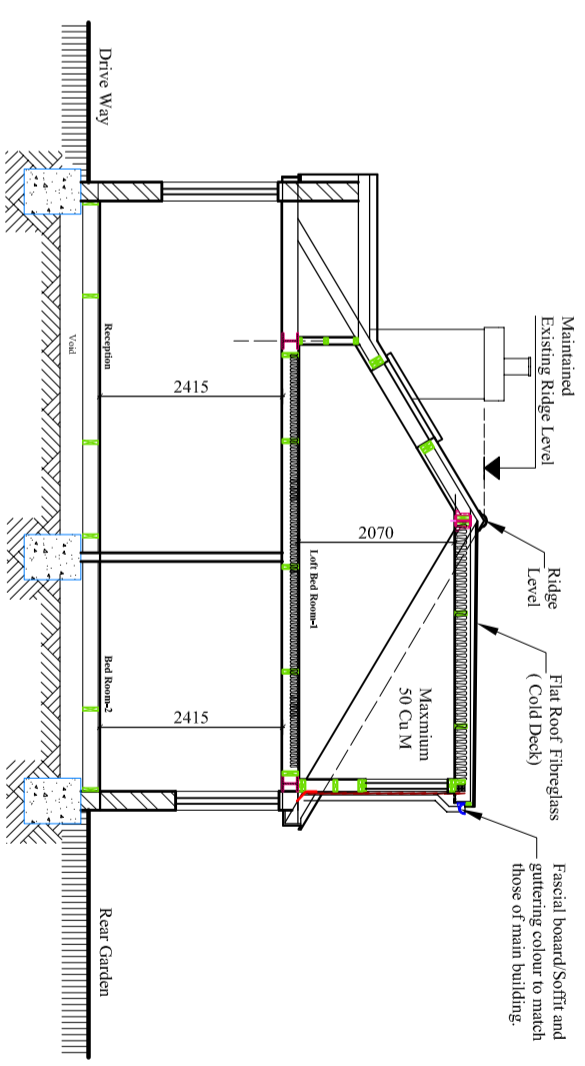


Contact:  
 Email: rabmikhadka@hotmail.co.uk,  
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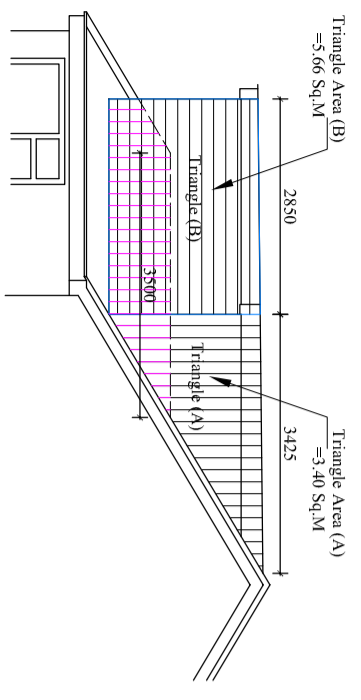
Notes:  
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 All drawings are for the purpose of gaining  
 Planning Permission approval only.  
 All written dimensions to be taken in  
 preferences to scaled dimensions.



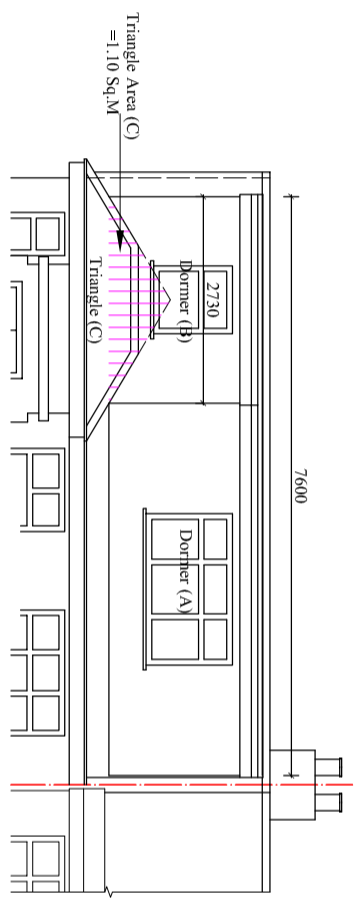
**Section At Y'-Y'**  
 Scale:1:100



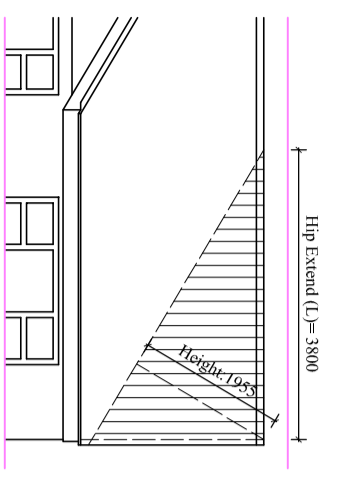
**Section At Y-Y**  
 Scale:1:100



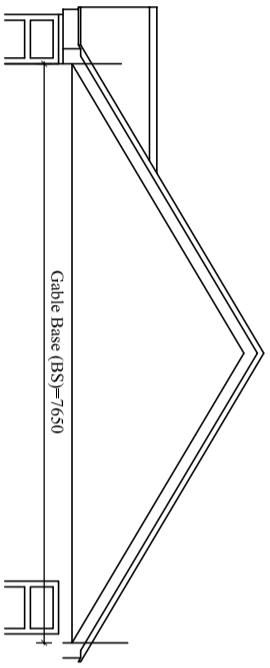
**Dormer's side Elevation**  
 Scale:1:100



**Dormer's Rear Elevation**  
 Scale:1:100



**Gable Extend Elevation at Front**  
 Scale:1:100



**Gable Extend Elevation side**  
 Scale:1:100

**Dormer (A)**  
 Dormer's Side Triangle Area (A)=3.40 Sq.M  
 Length of Dormer (L) 7.60 M  
 So, Dormer (X) Volume=Area of Triangle (A) x Length of dormer (L)  
 = 3.40 Sq M x 7.65 M  
 Volume (X) = 25.84 Cu.M

**Dormer (B)**  
 Dormer's Side Triangle Area (M)=5.66 Sq.M  
 Length of Dormer (L) 2.73 M  
 So, Dormer (B) Volume= Area of Triangle (M) x Length of dormer (L)  
 = 6.00 Sq M x 2.73 M  
 Volume (P) = 15.45 Cu.M

**Volume of Gable: (GB) = (BxLxH)/6**  
 Base (B)=7.65 M  
 Hip Extend (L) 3.80 M  
 Gable Height (H)= 1.95 M  
 So, Gable Volume (GB) =(7.65 x 3.80 x 1.95)/6  
 = 56.68/6  
 = 9.44 Cu.M

**Triangle (C)**  
 Area of Triangle (C) = 1.10 Sq.M.  
 Length of Triangle (C) = 3.5  
 So, Volume of Existing Roof space = Area of Triangle (C) X ridge length  
 = (1.10 x 3.50) = 3.85 Cu. M  
**Volume of Rear Roof (C) = 3.85 Cu.M (Deduct Volume)**

**Total Roof extension = (A+B+ GB-C)**  
 = (25.84+15.45+ 9.44 - 3.85)  
 = 50.73-3.85  
 So Total Roof extension = **46.88 Cu.M.**

| Rev. | Description | By | Ckd | Date |
|------|-------------|----|-----|------|
|      |             |    |     |      |
|      |             |    |     |      |
|      |             |    |     |      |

**Client:**  
**Mrs. Loveena Dias.**

**Project:**  
 Loft Conversion involving the erection of a  
 Hip to Gable roof extension incorporating a rear  
 dormer. And installation of front two rooflights.

**Location:**  
 74 Fairhome Crescent,  
 Hayes, UB4 8QT.

**Status:**  
 Lawful Development Certificate

**Title:**  
 Proposed sections and volume calculations

Drawn by: **L.P** Str. Ef. **---** Checked by: **R.k**  
 Project no: **BAL-74FH** Sheet Size **A3**  
 Date: 13/03/2026 Scale: 1:50,100