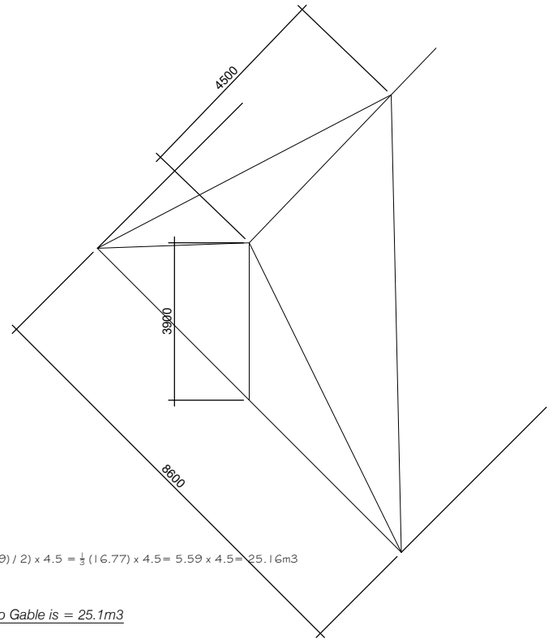
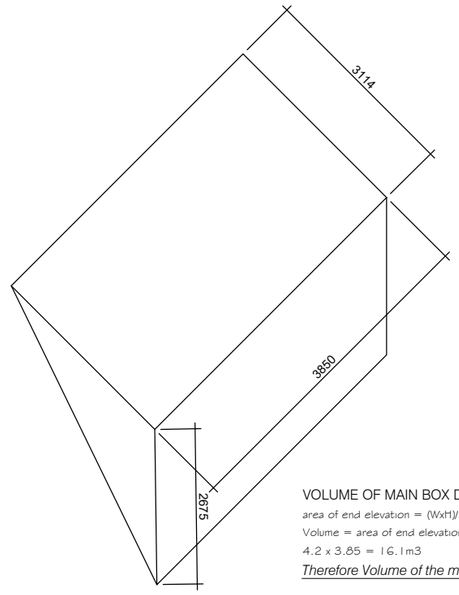


HIP TO GABLE

$\frac{1}{3}$ base area x height $=\frac{1}{3}$ ((8.6 x 3.9) / 2) x 4.5 = $\frac{1}{3}$ (16.77) x 4.5= 5.59 x 4.5= 25.16m3

Therefore Volume of the Hip to Gable is = 25.1m3



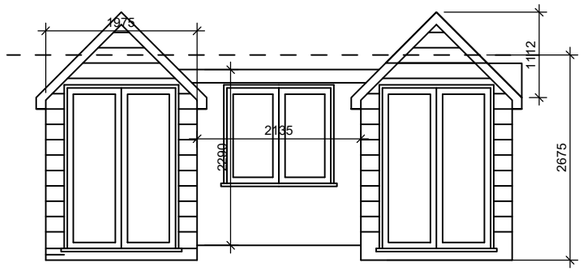
VOLUME OF MAIN BOX DORMER

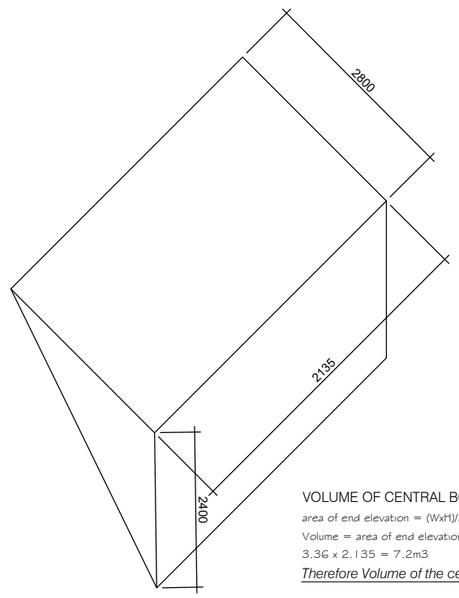
area of end elevation = (WxH)/2 =3.1 x 2.7) / 2 = 4.2m2

Volume = area of end elevation x length

4.2 x 3.85 = 16.1m3

Therefore Volume of the main box dormer is 16.1m3





VOLUME OF CENTRAL BOX DORMER

area of end elevation = (WxH)/2 =2.8 x 2.4) / 2 = 3.36m2

Volume = area of end elevation x length

3.36 x 2.135 = 7.2m3

Therefore Volume of the central box dormer is 7.2m3

TOTAL ROOFADDITIONAL VOLUME

25.1 + 16.1 + 7.17= 48.37

Therefore Volume of roof alterations is 48.37m3

Rev. Date Amendment

19 ABBOTS ROAD, ABBOTS LANGLEY, HERTFORDSHIRE. WD5 0AY.

Loft conversion

for
Mr and Mrs McLoughlin

Drawing Title

Volume Confirmation

SpUd Architects Ltd

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Drawing No. 1264 SK 1012

Scale: NTS @ A3 Date: September 2023