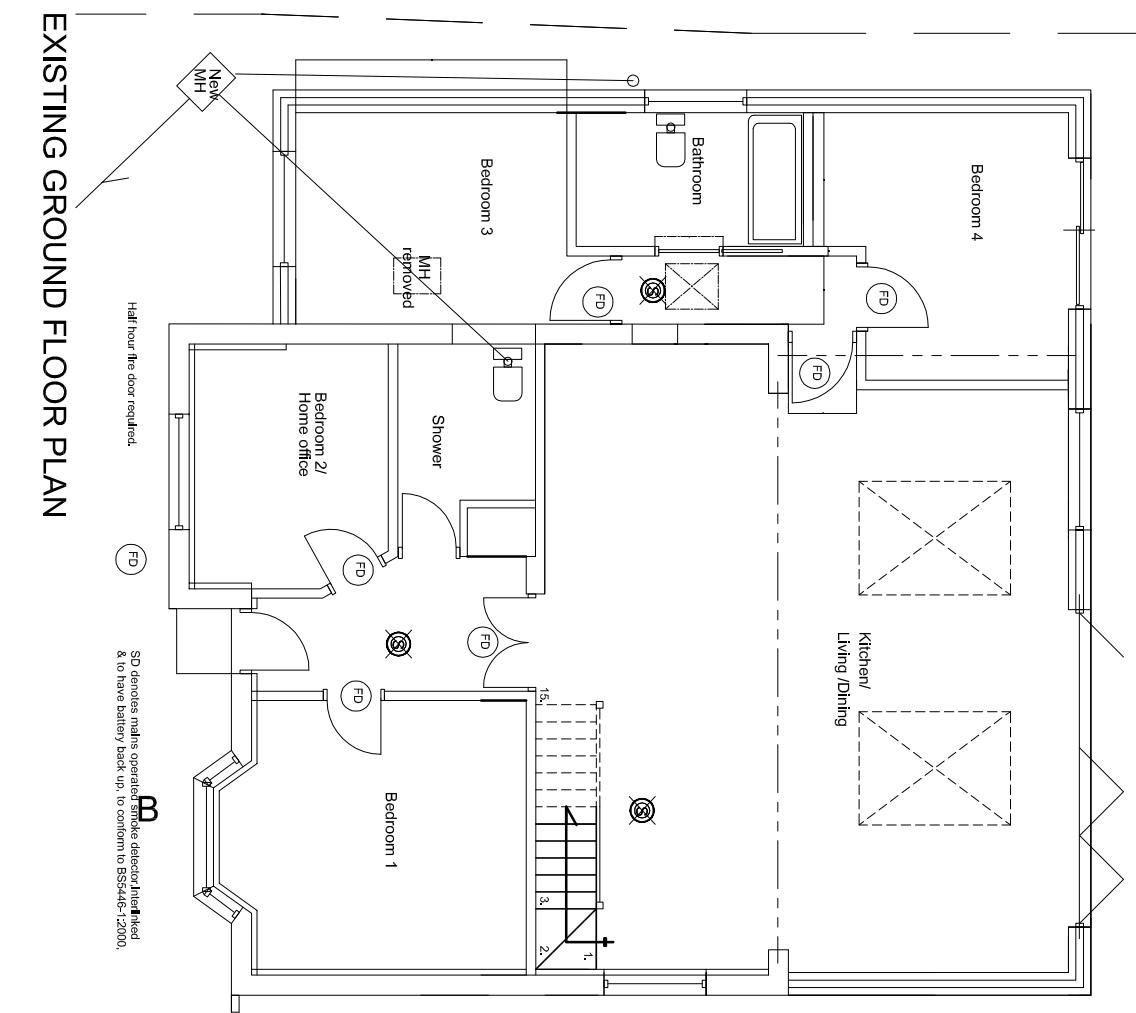
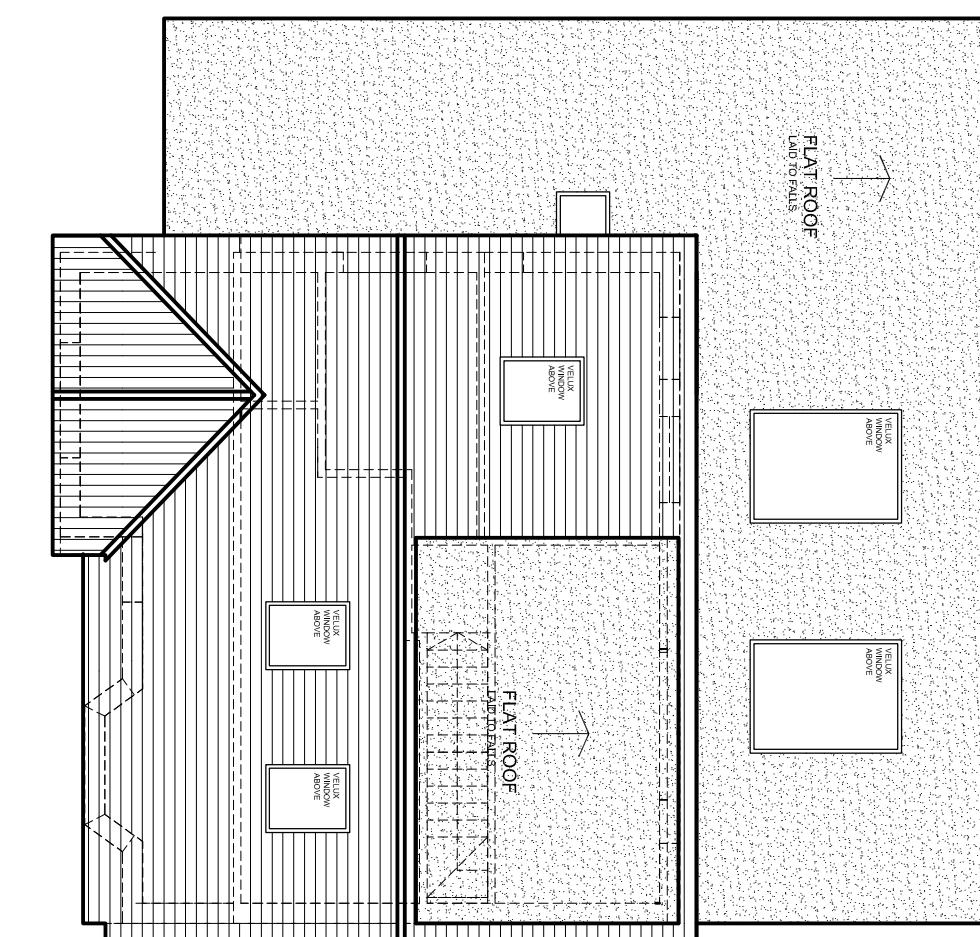


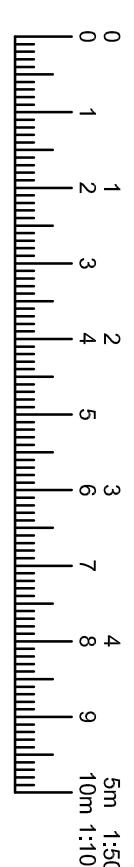
Project	Site Address	Drawing Title	Date	Sheet Size	Scale	Revision	Sheet No
Lawful Development— Existing Use	165 Linden Avenue	Existing Floor And Roof Plan	June 2023	A3	1:100		04



EXISTING GROUND FLOOR PLAN



EXISTING ROOF PLAN



Permitted development calculations of volume of hip to gable
Formula for hip to gable
Value of base - Area of base
Length - measure on side elevation from ridge of new gable to where it
meets the bottom of the roof (i.e. where the original side of roof had
its eaves)

Put values of base in Formula for hip to gable
Formula for hip to gable
= 1/3 (base x height)

Height - measure on existing front elevation distance from the existing ridge
(at top of hip) to end of the ridge of the proposed gable.

Formula for hip to gable

$$= 2(1/6 (\text{depth} \times \text{base} \times \text{height}))$$

$$= 2(\frac{1}{6}(4.08 \times 7.36 \times 2.84))$$

$$= 23.42$$

Volume for rear dormer

$$= 1/2 (\text{length} \times \text{height} \times \text{depth})$$

$$= 1/2 (5.1 \times 2.47 \times 3.2)$$

Volume of hip to gable and rear dormer

$$= 23.42 + 20.15 = 48.5 \text{ cu. m.}$$