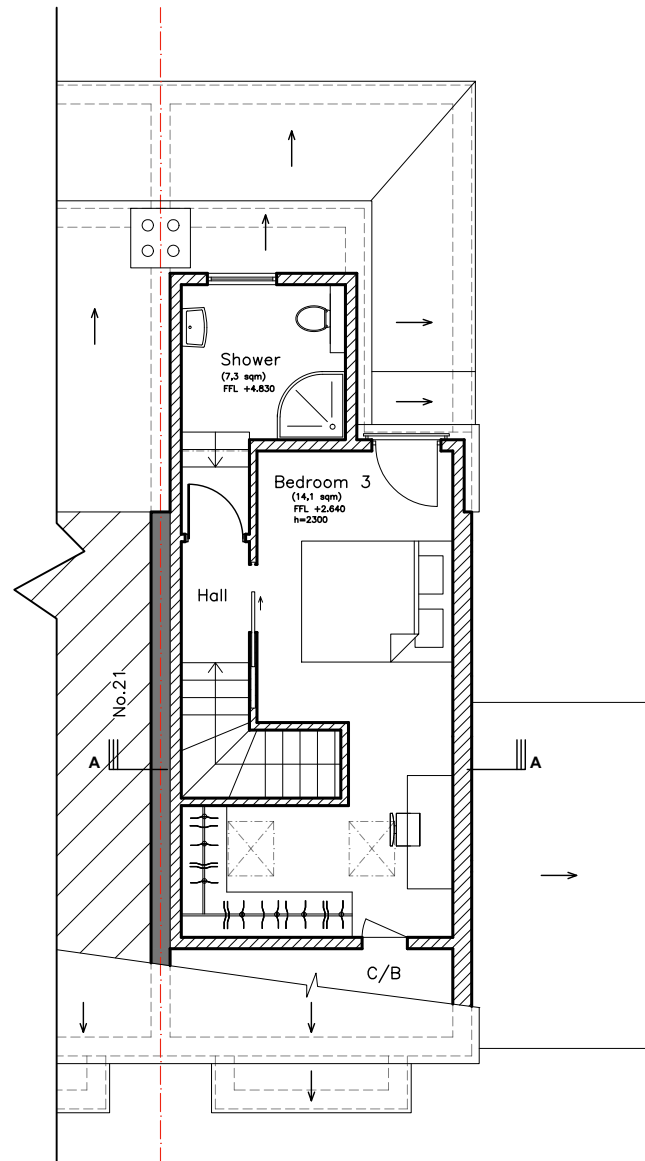
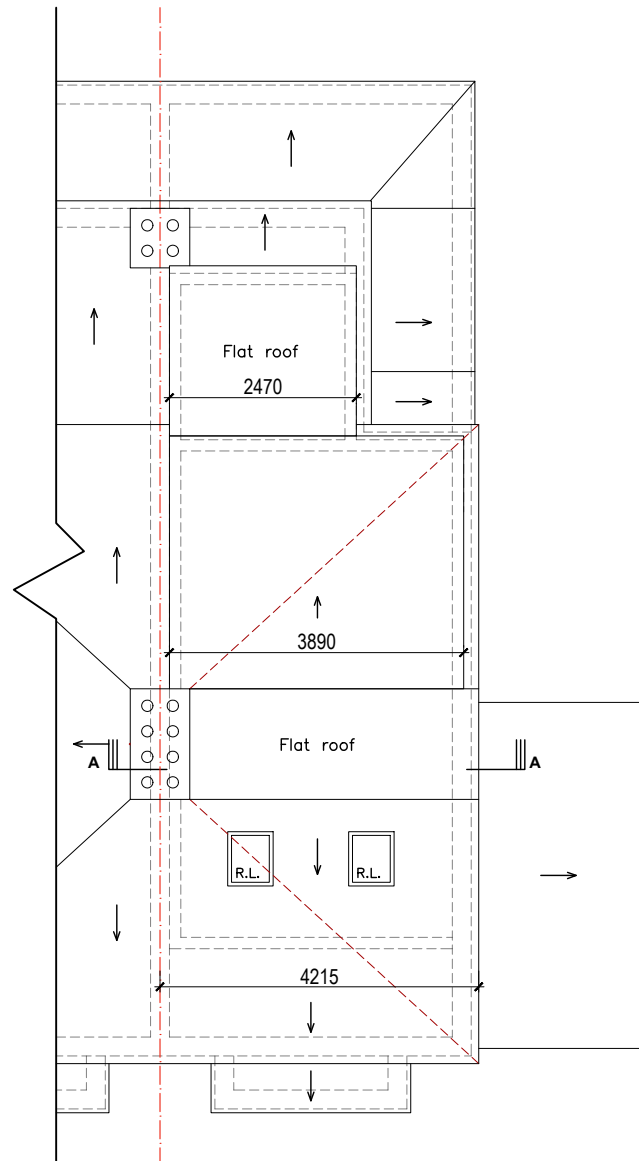




PROPOSED
LOFT FLOOR PLAN



PROPOSED
ROOF PLAN

VOLUME CALCULATION - 49.37m3

*HIP TO GABLE:

$$\begin{aligned} A &= 3.394 + 3.394 & V1a &= (A \cdot B \cdot C) / 6 = \\ B &= 3.871 & V1a &= (6.788 \cdot 3.871 \cdot 2.66) / 6 \\ C &= 2.660 & V1a &= 11.6492 \text{ m}^3 \end{aligned}$$

$$\begin{aligned} A &= 1.462 & V1b &= ((A \cdot B) / 2) \cdot C = \\ B &= 3.871 & V1b &= ((1.462 \cdot 3.871) / 2) \cdot 2.66 \\ C &= 2.660 & V1b &= 7.527 \text{ m}^3 \end{aligned}$$

* HIGHER DORMER:

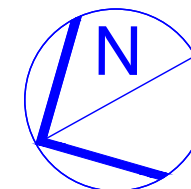
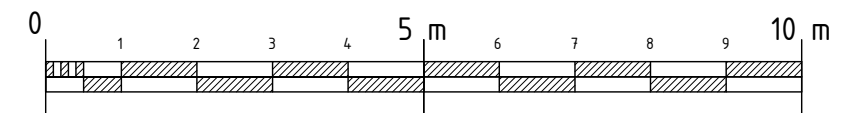
$$\begin{aligned} A &= 3.52 & V2 &= ((A \cdot B \cdot C) / 2) \\ B &= 2.44 & V2 &= ((3.52 \cdot 2.44 \cdot 3.89) / 2) \\ C &= 3.89 & V2 &= 16.7052 \text{ m}^3 \end{aligned}$$

* LOWER DORMER:

$$\begin{aligned} A &= 2.008 & V31 &= ((A \cdot B \cdot C) / 2) \\ B &= 2.2 & V31 &= ((2.008 \cdot 2.2 \cdot 2.47) / 2) \\ C &= 2.47 & V31 &= 10.9115 \text{ m}^3 \end{aligned}$$

$$\begin{aligned} A &= 0.948 & V32 &= ((A \cdot B \cdot C) / 2) \\ B &= 2.2 & V32 &= ((0.948 \cdot 2.2 \cdot 2.47) / 2) \\ C &= 2.47 & V32 &= 2.58 \text{ m}^3 \end{aligned}$$

$$\begin{aligned} V &= V1a + V1b + V2 + V31 + V32 \\ V &= 11.6492 + 7.527 + 16.7052 + 10.9115 + 2.58 \\ V &= 49.37 \text{ m}^3 \end{aligned}$$



LEGEND:

- EXISTING WALLS
- PROPOSED WALLS

Disclaimer: Do not scale from this drawing. Check all dimensions on site before fabrication or setting out. This document is copyright and may not be reproduced without permission of the owner.	Rev: 00 Notes: Planning Submission	Date: 15.05.2023 Dwn: PL Iss: MG	Author: Maria Golasowska M Eng, Dip Arch, BA (Hons) ARB no. 077808G Director, MGDC Ltd. M: 077 3138 7952	Consultants:	Client: Lukasz Budz 23 Nellgrove Road UB10 0SX London	Key / Location:	MG [Architecture] [Interior Design] 246 Watson Heights Chelmsford, CM1 1AP United Kingdom T: +44 (0) 20 3715 7751 E: office@mgdc.info Maria Golasowska Design Consultancy MGDC LTD	Project: Internal alterations , Extension to the first floor and loft conversion Drawing Title: Proposed Loft floor and Roof plans	Drawn By: PL Project No: EX-EG-A-023 Drawing No: A-EX-EG-023-PL-S-310	Issued By: MG Scale @ A3: 1:100 Revision: 00	Date of First Issue: 15.05.2023
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