

TOTAL LOFT VOLUME UNDER LAWFUL DEVELOPMENT

HIP TO GABLE VOLUME

VOLUME = $1/3 \times A \times h$

VOLUME = $1/3 (1/2 \times b \times h) \times H$

VOLUME = $1/3 (1/2 \times 5.974 \times 4.048) \times 1.946$

VOLUME = $7.91 \text{ m}^3 \times 2 = 15.83 \text{ m}^3$

DORMER VOLUME

VOLUME = $1/2 (b \times h \times l)$

VOLUME = $1/2 (2.812 \times 2.126 \times 6.9)$

VOLUME = $20.63 \text{ m}^3 \times 2 = 41.3 \text{ m}^3$

TOTAL LOFT VOLUME = $15.83 + 41.3 - 7.19 = 49.94 \text{ m}^3$
LESS THAN 50m3 THEREFORE ACCEPTABLE.

BAY WINDOW VOLUME

VOLUME = $1/2 (B \times H \times L)$

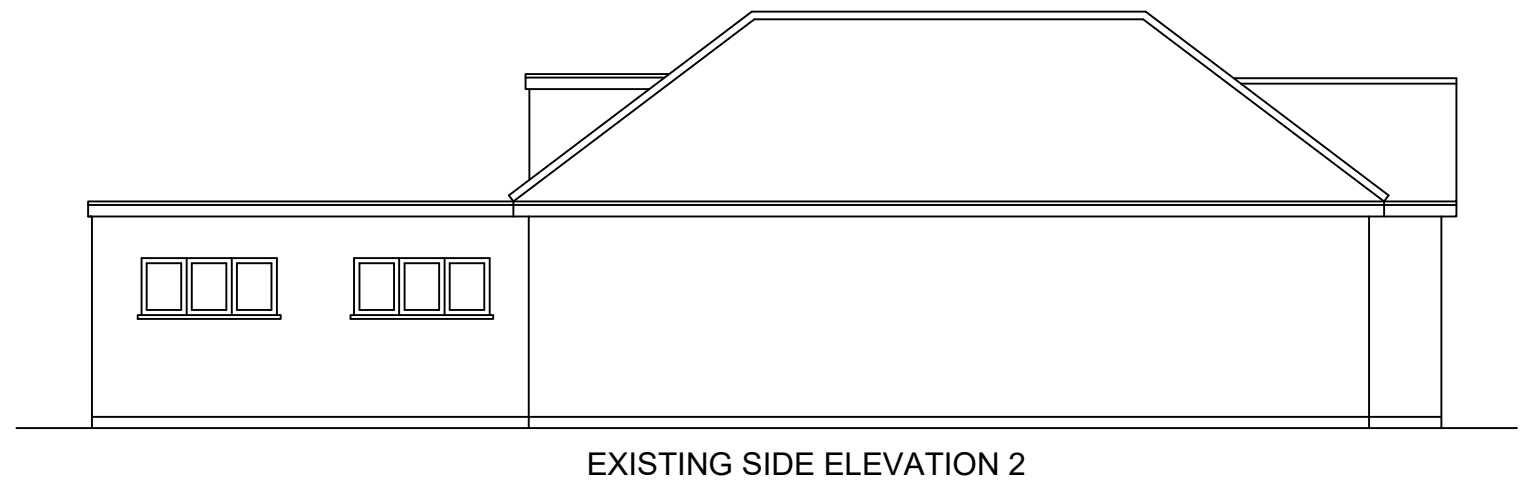
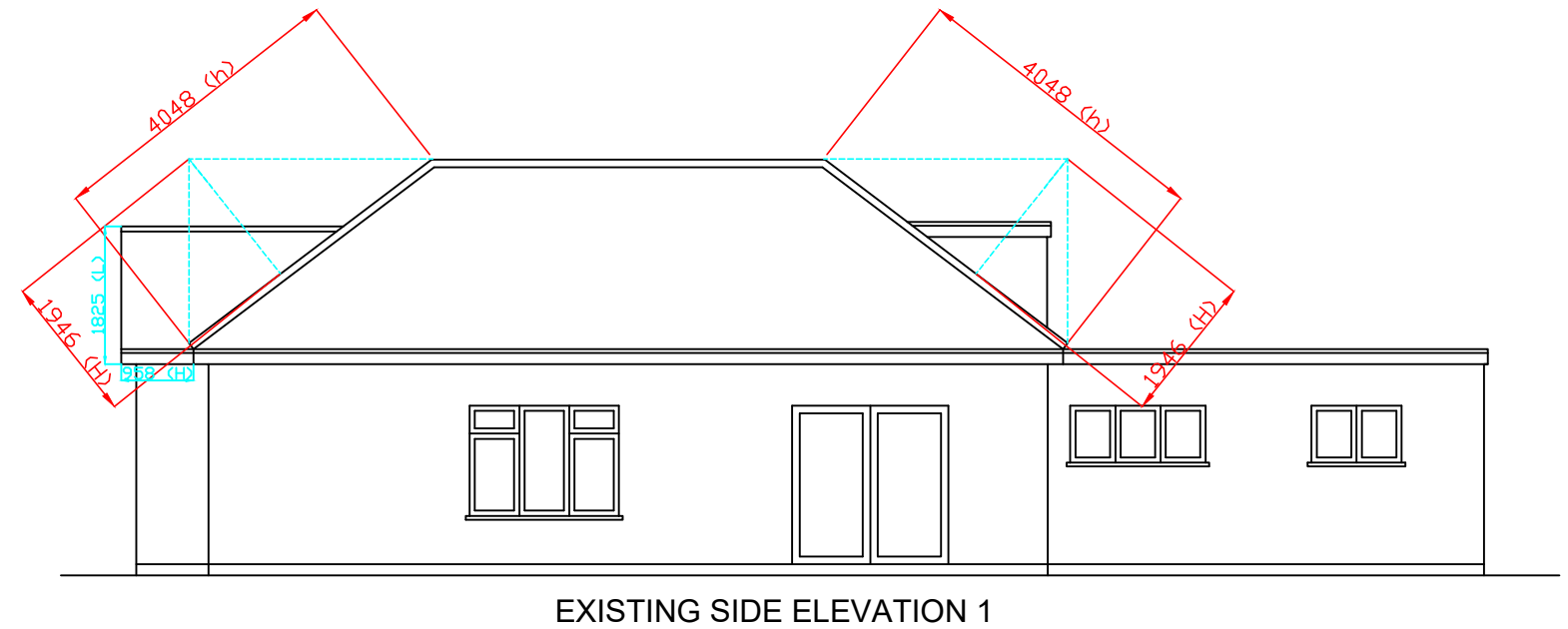
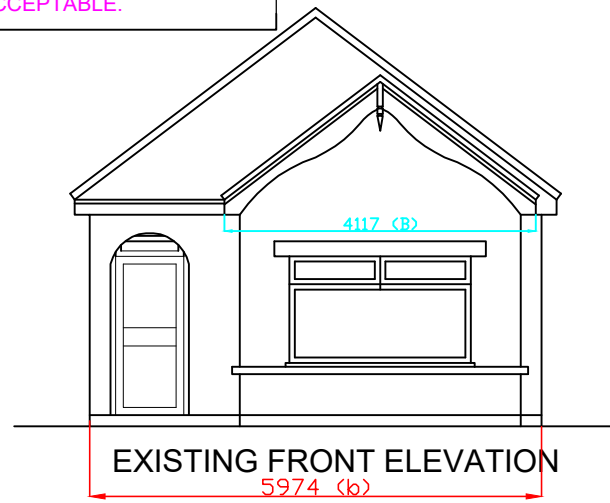
VOLUME = $1/2 (4.117 \times 0.958 \times 1.825)$

VOLUME = $3.59 \text{ m}^3 \times 2 = 7.19 \text{ m}^3$

this roof is removed therefore the volume is deducted from the total 50m3 and added to the dormer



SCALE - 1 : 100.



MCS DESIGN Architectural Services Millennium Creative Services Design 53 Westmead, Windsor, SL4 3NN mob: 07989319224 tel: 01753 869117 fax: 01753 869117 www.mcsdesignservices.co.uk email: info@mcsdesignservices.co.uk	client MRS. HUMAIRA SALEEM	site 9 CURTIS ROAD, HOUNSLOW, TW4 5PU	project HIP TO GABLE CONVERSION AND LOFT CONVERSION WITH SIDE DORMERS UNDER LAWFUL PERMITTED DEVELOPMENT	title EXISTING ELEVATIONS	status: CERTIFICATE OF LAWFUL USE APPLICATION	scale 1:100 @ A3	drawn Kaleem Janjua B.Arch.
					drawing number: SALEEM/PLAN/001	date 17th July 2024	revision