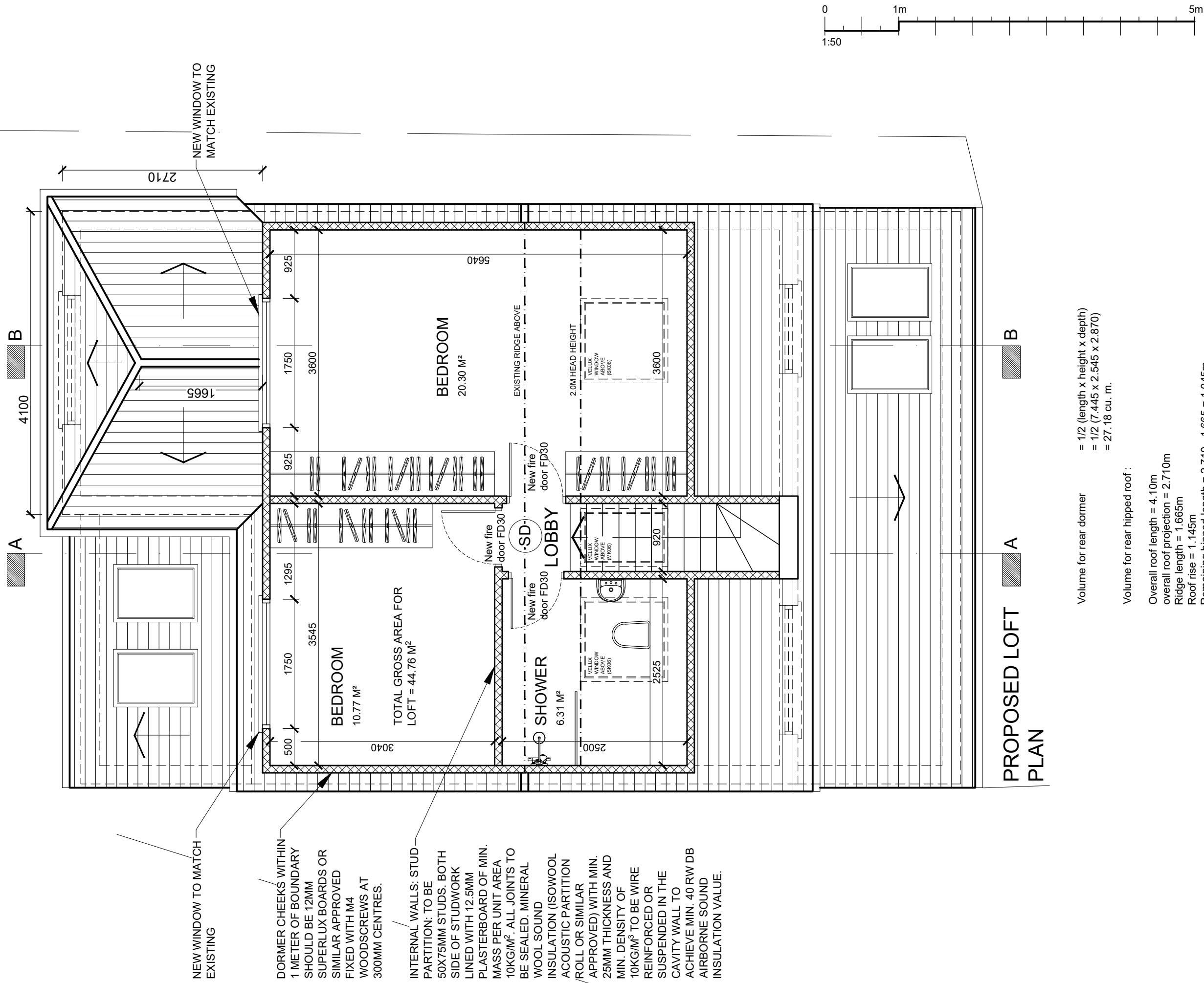




PROPOSED LOFT
PLAN

Volume for rear dormer = 1/2 (length x height x depth)
= 1/2 (7.445 x 2.545 x 2.870)
= 27.18 cu. m.

Volume for rear hipped roof :
Overall roof length = 4.10m
overall roof projection = 2.710m
Ridge length = 1.665m
Roof rise = 1.145m
Remaining hipped length = 2.710 - 1.665 = 1.045m

The roof can be split into a triangular prism + hipped pyramid end.

1. Triangular Prism Cross-sectional area:
A = 1/2 (4.1 x 1.145)
A = 2.347m²
Volume of Triangular prism:
V = 2.347 x 1.665
V = 3.908m³

2. Hipped End
V = 1/2 (2.347 x 1.045)
V = 1.226m³

TOTAL VOLUME FOR HIPPED ROOF = 3.908 + 1.226 = 5.134m³
TOTAL VOLUME = 27.18 + 5.13
= 32.31 cu. m. < 50 cu. m.

The Contractor is to check all dimensions on site and report any discrepancies to the Contract Administrator. This drawing is to be read in conjunction with all other standard documentation.

rev.	description	date	chkd.
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project : 28 Convent Close
Hitchin

drawing title : Proposed Loft Plan

drawn: TK	chkd : SS	date: 03.08.2026
status: Permitt. Develop.		scale:1:50@A3
proj no : 2998	drg no: 04	rev no: