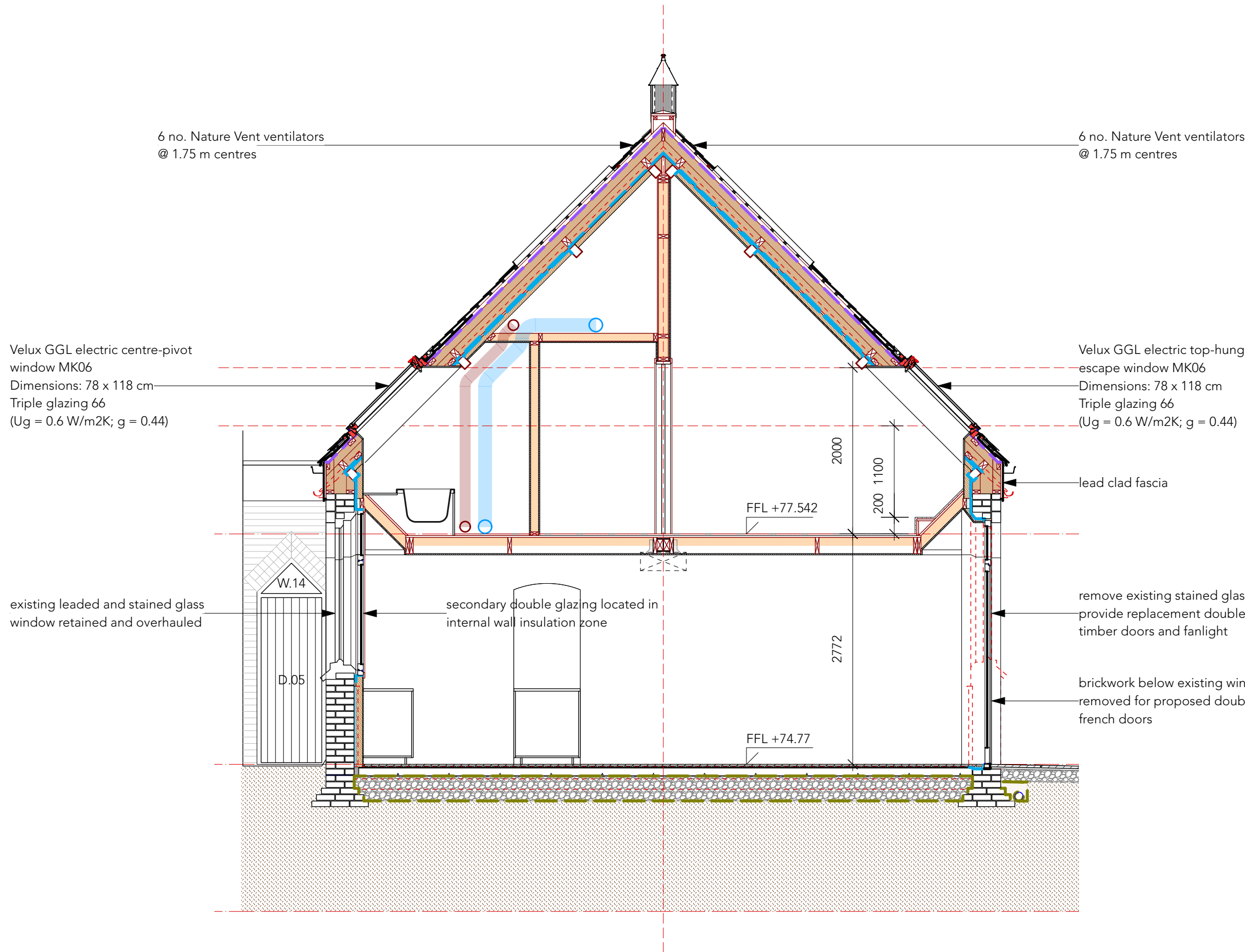


Roof ventilation note

Eaves / ridge length: 11 metres
 Eaves ventilation: Proprietary plastics fascia ventilators to provide a free air flow area equivalent to continuous 25 mm opening.
 Ridge ventilation: Nature Vent ventilators to provide a free air flow area equivalent to continuous 5 mm opening.
 Free flow area required: 11 m x 5 mm = 55,000 mm²
 Nature Vent free air flow area: 10,000 mm².
 Therefore: 6 no. required @ 1.75 m centres.

Air permeability

Testing organization: UKAS Accredited. Registered by the British Institute of Non- destructive Testing.
 - Method: Pressure test in accordance with EN13829: Determination of air permeability of buildings - Fan pressurization method.
 - Permeability:
 Air change rate (ACH) at an internal to external pressure difference of 50 Pascals (n50) = Air leakage rate at 50 Pascals/ net volume (V).
 n50 not to exceed 3.0/ hour.
 n50 target value: 2.0/ hour.
 - Test with pressurization and depressurization. Report average figure for certification purposes.
 - Results; content: Include test results and all supporting data.



C5	15.03.24	As built for application to discharge planning conditions	AG
C4	17.02.24	Solitex membrane replaced by Powerlon UltraPerm breathable roofing underlay	AG
C3	14.08.23	D.04 amended to D.05; air permeability note added	AG
C2	19.07.23	Escape window specification added	AG
C1	29.05.23	Initial construction issue	AG
P3	21.12.22	PV panels moved 1 course down slope to accommodate roof ventilators @ ridge	AG
P2	21.11.22	Ridge cupola and lead fascia note added	AG
P1	19.11.22	Initial issue	AG
Rev	Date	Amendment	By Chkd

Proposed section A

Proposed conversion to dwelling
 Former Methodist Chapel, The Street, Braughing, Herts SG11 6RD
 Scale 1:50 @ A3 Date Nov 2022 Drawing no. 22_404 | L | 019_C5