Flat roof joists @ 400mm c/s
Use 47 x 170 C16

Trimmer T1
Use 2no 47 x 170 C24

Trimmer T2
Use 2no 47 x 170 C24

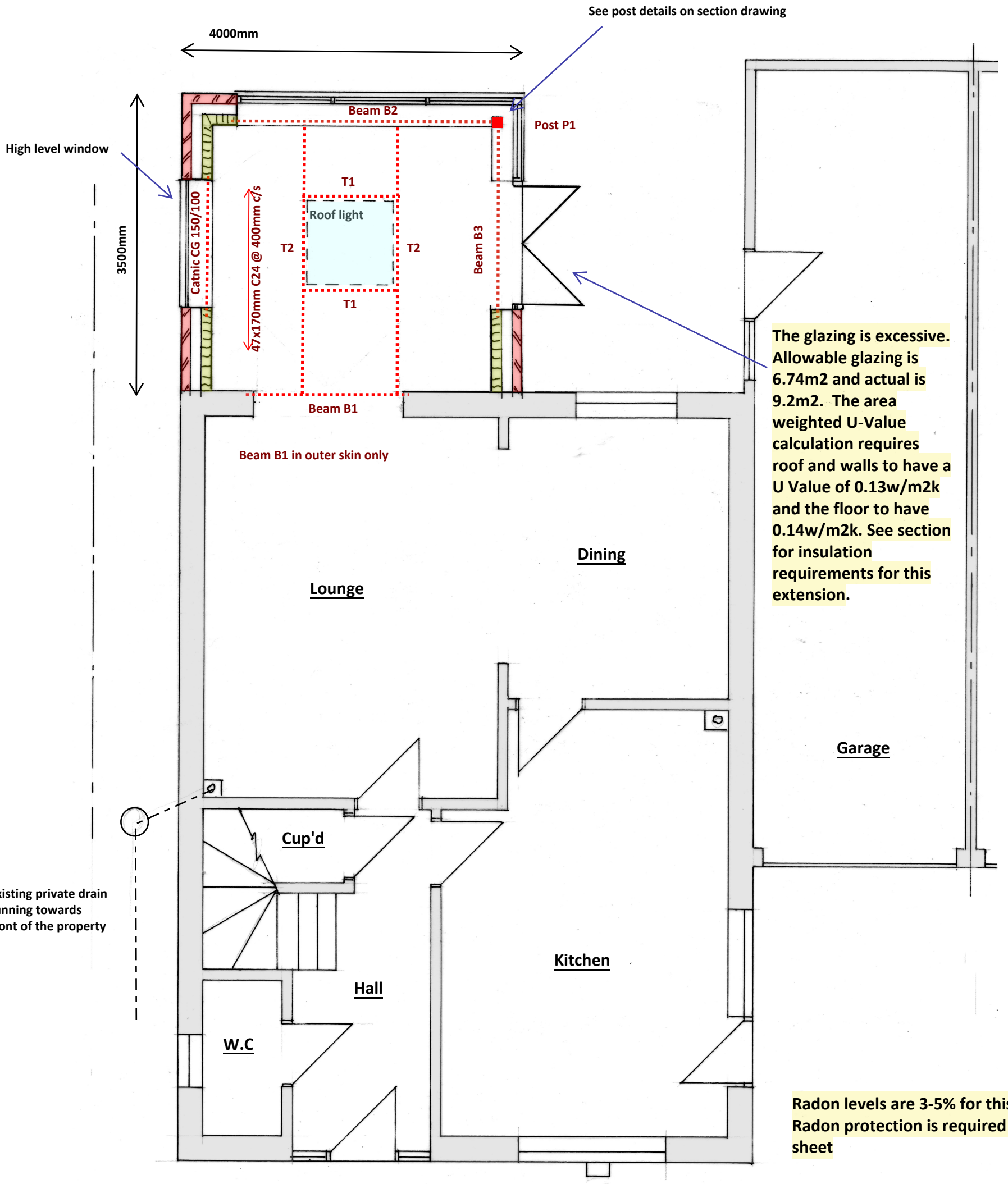
Beam B1 in outer leaf of existing cavity
Use 70 x 70 x 3.2 HF SHS S355 (6.63 kg/m)

Beam B2
Use 152 x 89 x 16 UKB S355

Beam B3
Use 152 x 89 x 16 UKB S355

Post P1
Section: 70 x 70 x 3.2 SHS Grade S355 on 200 x 200 x 10mm base plate

Bolt post to foundation with 4No M16 bolts. Provide appropriate corrosive protective paint to steel below dpc level. See detail on plan for base plate




Radon levels are 3-5% for this area therefore basic Radon protection is required - See Radon detail sheet

## Proposed Ground Floor Plan 1:50

1:100

1:50 @ A3

The property owner is required to serve a party structure notice on the adjoining owner as required by The Party Wall etc Act 1996.

If any discrepancies are found with the plans or structural calculations please contact S.Barrett prior to works continuing so amendments can be made before works progress too far.

Take on site measurements before ordering steel beams etc. Do not scale from the plan or use measurements shown in calculations

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Rear conservatory extension

CBuildE chartered building engineer

CLIENT: Premier
DATE: 17.10.2024
DRWG No: BSB/24132/2/A

A3