**Plan 2 of 5**

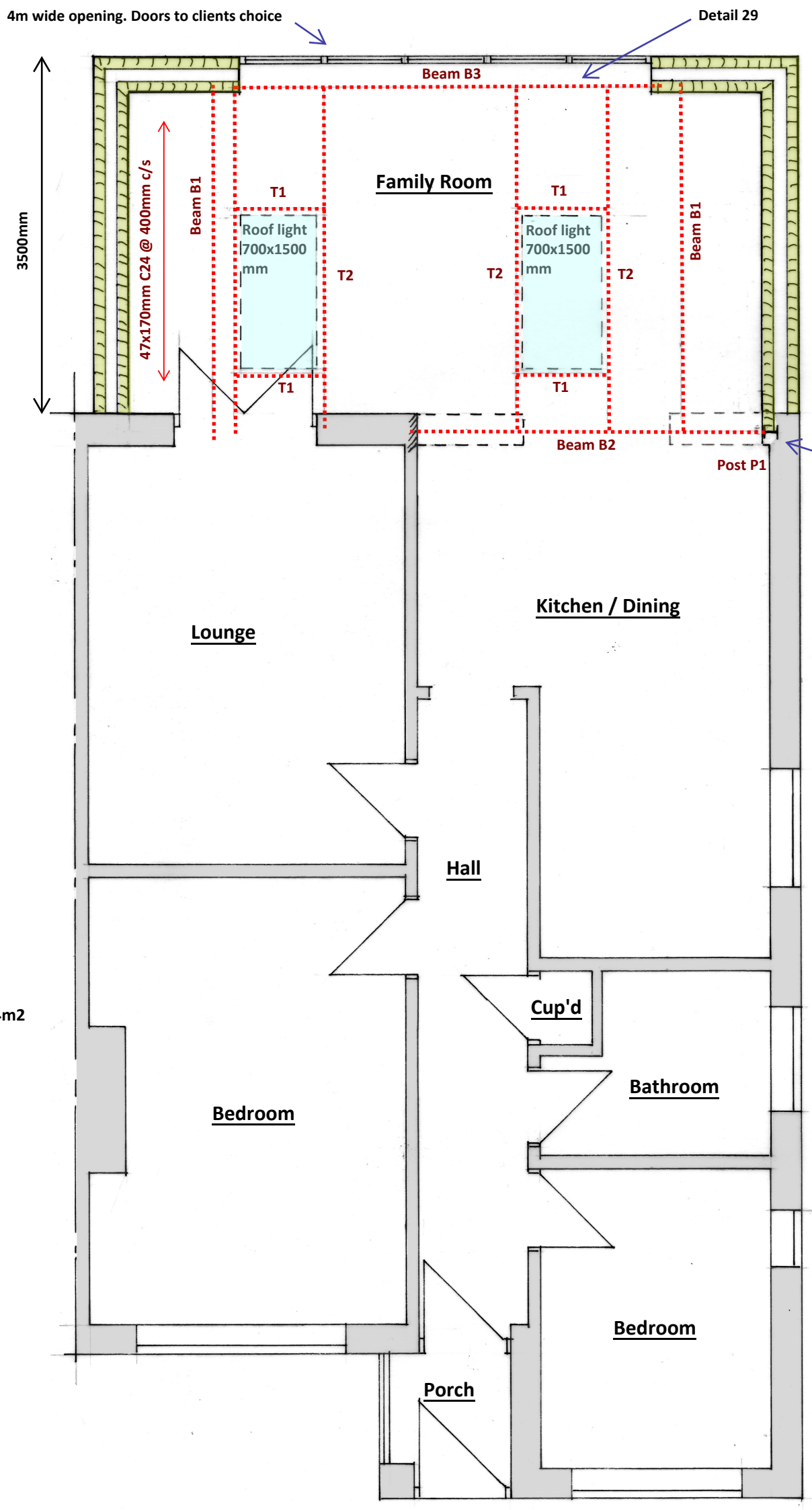
Flat roof joists @ 400mm c/s
Use 47 x 170 C24

Beam B1
Use 2no 47 x 170 C24

Roof light trimmer T1
Use 2no 47 x 170 C24

Roof light trimmer T2
Use 2no 47 x 170 C24

Beam B2
Use 203 x 102 x 23 UKB S355
Bearing R1: 20 mm S275 bearing plate, size 350 x 100 mm




Beam B3
Use 203 x 102 x 23 UKB S355
Bearing R1: 10 mm S275 bearing plate, size 250 x 100 mm
Bearing R2: as R1

Post P1
Section: 203 x 102 x 23 UB Grade S235 on 300 x 300 x 15mm base plate
Provide 4No M20 holding down bolts onto pad foundation 600x600x300mm deep

Detail 34,36 & 37

## Glazing Calculation

Floor Area = 19.37m2 / 25% = 4.84m2

New glazing = 10.65m2

Existing glazing covered = 5.88m2

There actual glazing area = 4.77m2<4.84m2 therefore OK

Radon levels are 3-5% therefore Basic Radon Protection is required. See Radon sheet for details in drawing package.

***Proposed Ground Floor Plan 1:50***

0 1 2 3 4 5 6 7 8 9 10 1:100

0 1 2 3 4 5 6 7 8 9 10 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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cabe chartered association of building engineers


29 Greentrees Crescent, Sompting

Rear extension

CBuildE chartered building engineer

CLIENT: Mr Tullett
DATE: 11.03.2025
DRWG No: BSB/25172/2

A3