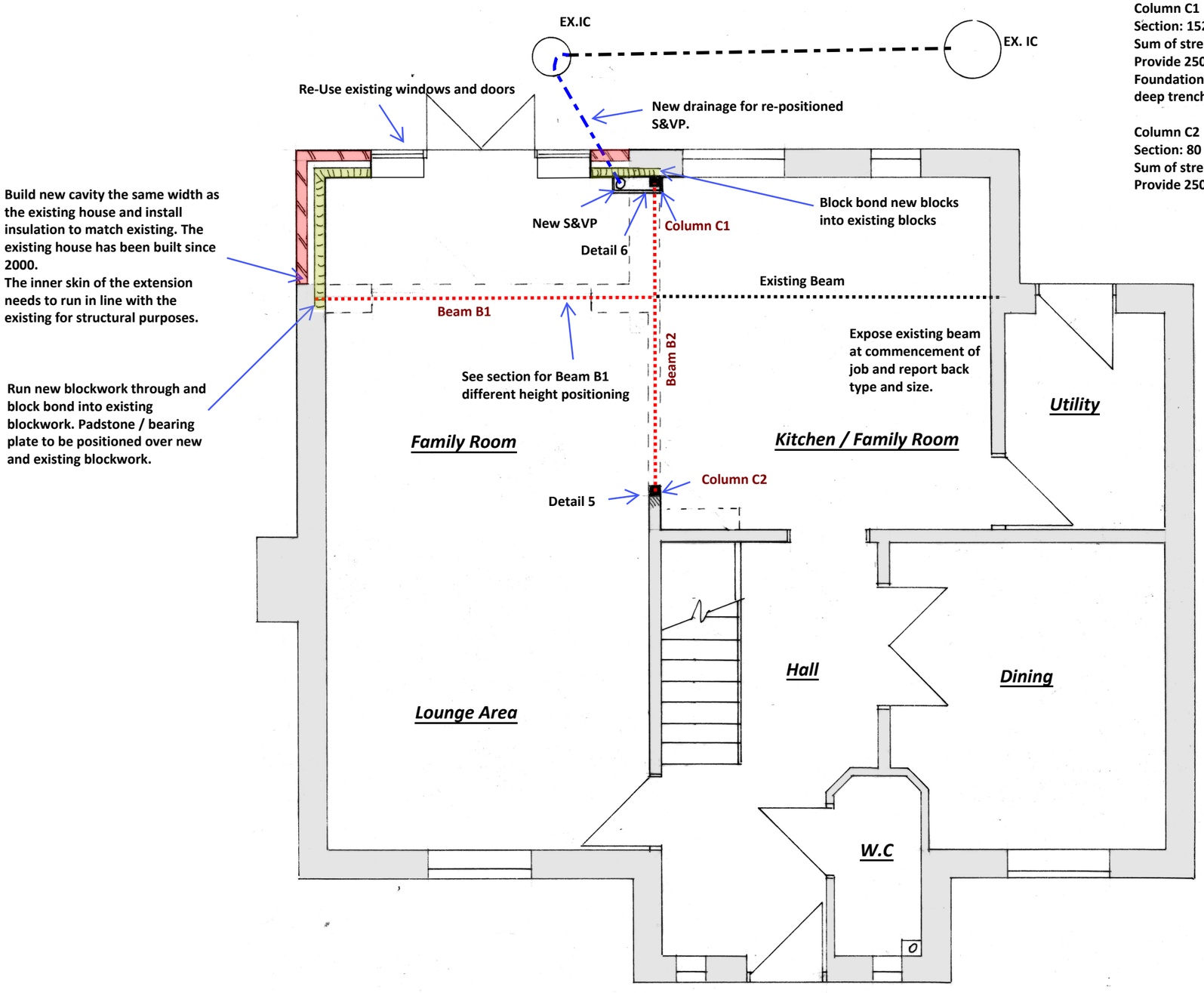
The property owner is required to serve a party structure notice on the adjoining owner as required by The Party Wall etc Act 1996.	If any discrepancies are found with the plans or structural calculations please contact S.Barrett prior to works continuing so amendments can be made before works progress too far.	Take on site measurements before ordering steel beams etc. Do not scale from the plan or use measurements shown in calculations

Plan 2 of 5



Proposed Ground Floor Plan 1:50

Beam 1
Use 203 x 203 x 46 UKC S355
Bearing R1: 20 mm S275 bearing plate, size 400 x 100 mm

Beam B2
Use 254 x 146 x 37 UKB S355

Beam B2 - Alternative
Use 203 x 203 x 46 UKC S355

Column C1
Section: 152 x 152 x 30 UC Grade S355 on 300 x 300 x 15mm base plate
Sum of stress ratios = 0.173 OK
Provide 250x250x15mm base plate and 4No M20 holding down bolts.
Foundation assumed to be 450mm wide and 600mm deep trench fill.

Column C2
Section: 80 x 80 x 3.6 SHS Grade S355 on 250 x 250 x 15mm base plate
Sum of stress ratios = 0.607 OK
Provide 250x250x15mm base plate with 4No M20 holding down bolts.

cabe chartered association of building engineers

A3

CLIENT: Mr & Mrs Harrison

DATE: 27.10.2025

DRWG No: BSB/25213/2

1:50 @ A3

Rear Extension

CBuildE chartered building engineer

1:100

17 Chanctonbury

Ashington

BSB S.Barrett Architectural, Structural & Party Wall Services

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