

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

Beam B12  
Use 305 x 165 x 40 UKB S355  
Bearing R1: 30 mm S275 bearing plate, size 600 x 100 mm  
Bearing R2: 30 mm S275 bearing plate, size 550 x 100 mm  
End plate splice at 1.90 m.



Plan 3 of 7

Flat roof joists @ 400mm c/s  
Use 47 x 195 C24

Rafters @ 400mm c/s  
Use 47 x 95 C24

Rafters either side of velux R2  
Use 2no 47 x 95 C24

Lintel L1  
Use 2no 47 x 95 C24

Lintel L2  
Use 2no 47 x 145 C24

Beam B1  
Use 152 x 152 x 30 UKC S355  
Bearing R2: 10 mm S275 bearing plate, size 250 x 100 mm

Beam B2  
Use 203 x 133 x 30 UKB S355

Post P1  
Use 141 x 97 C24  
Use 3No. 47x97mm C24 timbers well spiked together

Beam B3  
Use 2no 47 x 220 C24

Post P2  
Use 141 x 97 C24  
Use 3No 47x97mm C24 timbers well spiked together

Post P3  
Section: 70 x 70 x 3.2 SHS Grade S355 on  
120 x 90 x 10mm base plate

Floor joists @ 400mm c/s  
Use 47 x 195 C24

Beam B4  
Use 47 x 95 C24

Beam B5  
Use 47 x 95 C24

Beam B8  
Use 152 x 152 x 44 UKC S355  
End plate splice at 2.30 m.

Beam B9  
Use 152 x 89 x 16 UKB S355

Beam B10  
Use 152 x 89 x 16 UKB S355  
Bearing R1: 20 mm S275 bearing plate, size 400 x 100 mm  
Bearing R2: 5 mm S275 bearing plate, size 89 x 100 mm

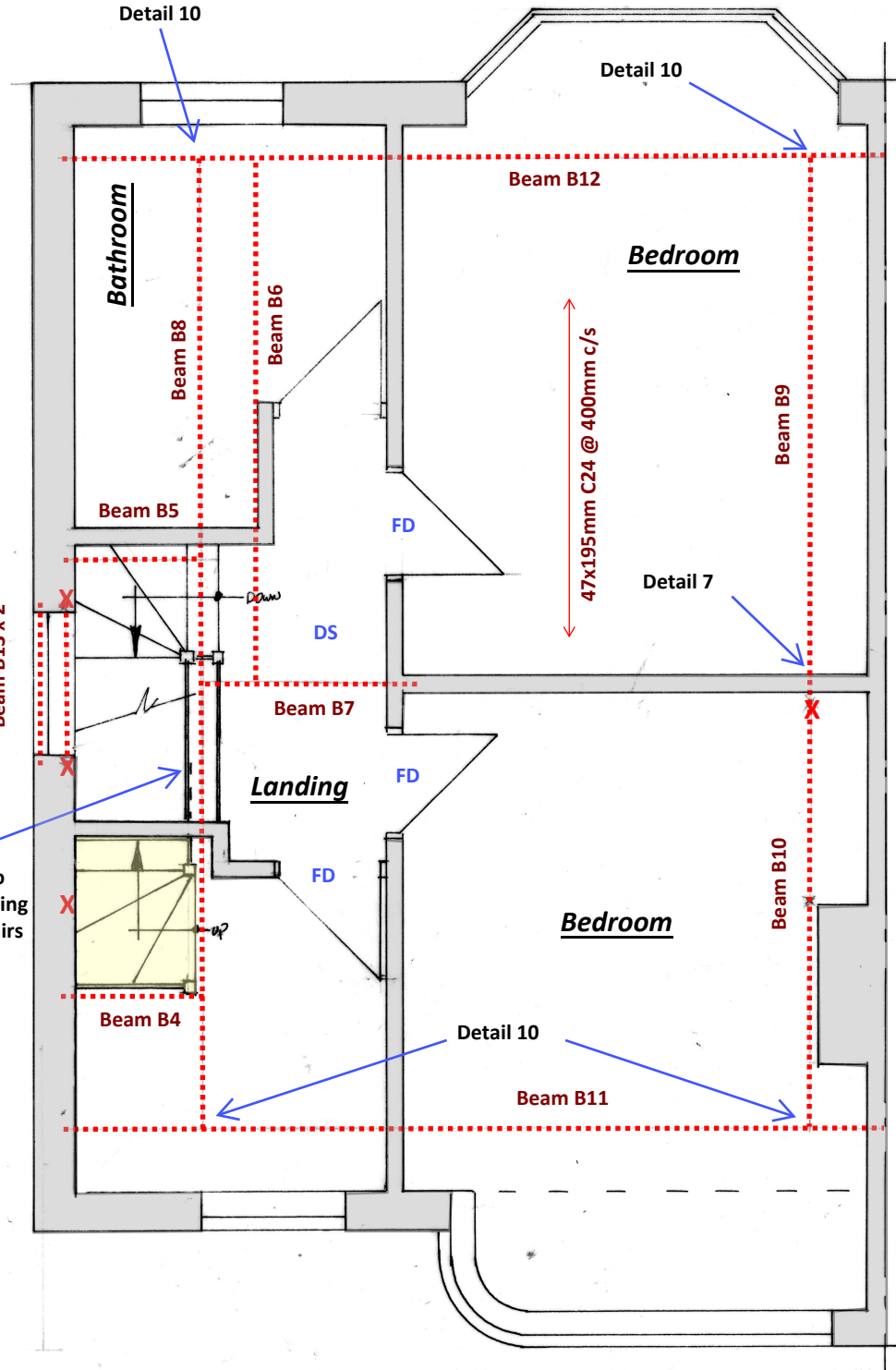
Beam B11  
Use 254 x 146 x 37 UKB S355  
Bearing R1: 25 mm S275 bearing plate, size 450 x 100 mm  
Bearing R2: 25 mm S275 bearing plate, size 400 x 100 mm  
End plate splice at 1.90 m.

Beam B13  
Use 2no 47 x 145 C24

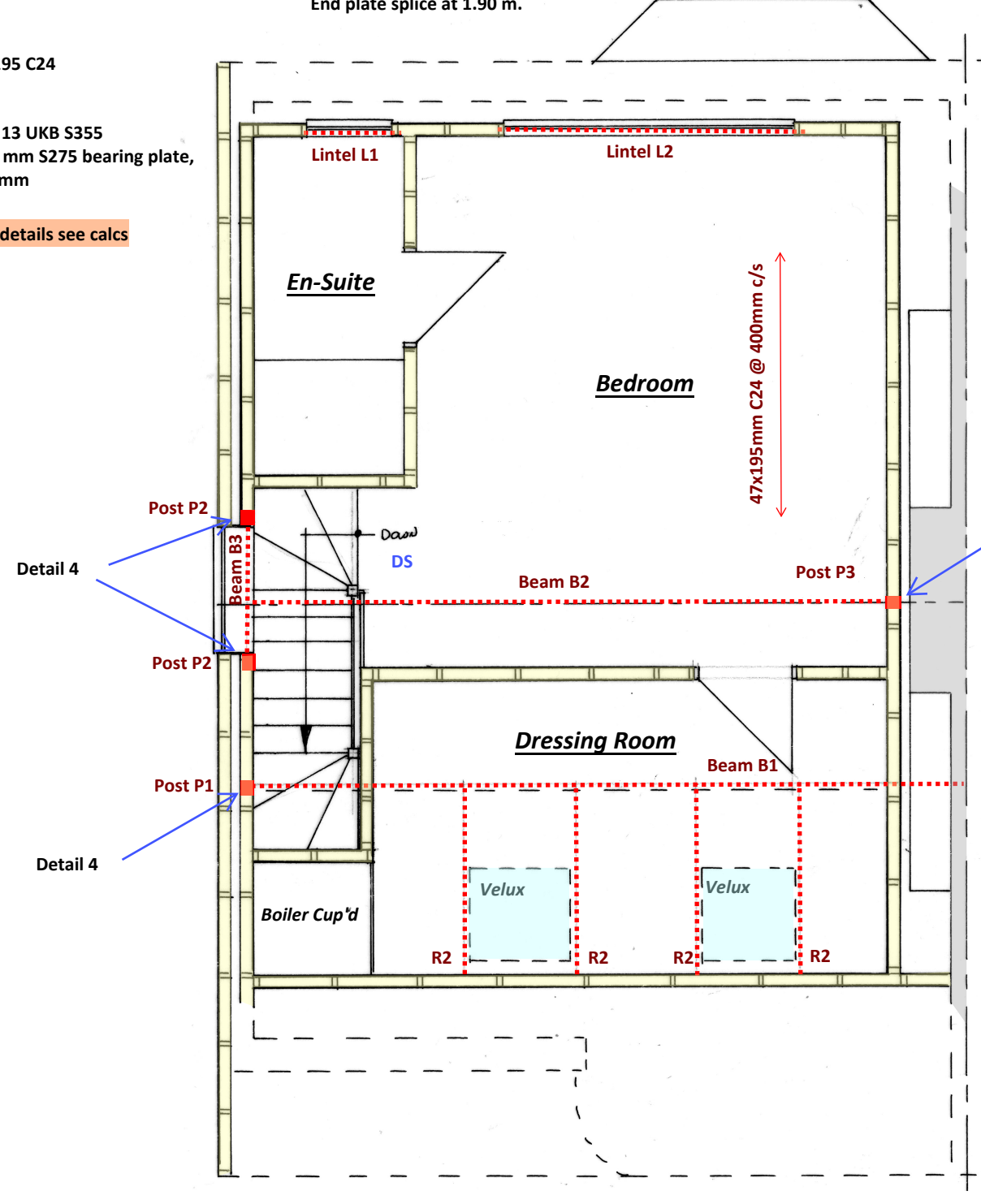
Beam B6  
Use 2no 47 x 195 C24

Beam B7  
Use 127 x 76 x 13 UKB S355  
Bearing R2: 10 mm S275 bearing plate, size 200 x 100 mm

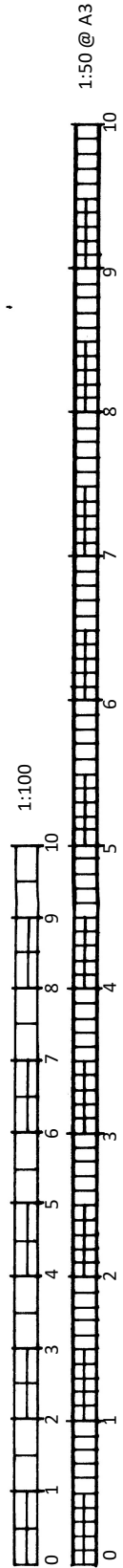
For splice details see calcs



Proposed First Floor Plan 1:50



Proposed Second Floor Plan 1:50



<b>CLIENT:</b> Mr & Mrs Sutton		<b>DATE:</b> 02.02.2026	<b>DRWG No.:</b> BSB/25211/3/A
<b>Loft conversion</b>		<b>ICBuildE</b> chartered building engineer	
<b>29 Ardsheal Close, Worthing</b>			
<b>BSB &amp; Party Wall Services</b>		<b>cabe</b> chartered association of building engineers	
<b>stevebsbltd@yahoo.com</b>		<b>07974 715009</b>	

Provide stud wall to side of stairs following the string of the stairs