Flat roof joists @ $400 \mathrm{~mm} \mathrm{c} / \mathrm{s}$

Beam B1
Use $178 \times 102 \times 19$ UKB 5355 Bearing R1: 10 mm S275 bearing plate, size $200 \times 100 \mathrm{~mm}$
Bearing R2: as R1

Lintel L1
Use 2no $47 \times 145$ C24
T1 roof light trimmer
Use 2 no $47 \times 170$ C24
T2 roof light trimmer Use 2no $47 \times 170$ C24

Rafters @ 400 mm c
R2 Rafters either side of velux Use 2no $47 \times 125$ C24
Beam B2
Use 2 no $47 \times 125$ C24
Beam B3
Use 2 no $47 \times 95$ C24
Beam B4
Use $127 \times 76 \times 13$ UKB 5355
Beam B5
Use $127 \times 76 \times 13$ UKB 5355
Bearing R1: 10 mm S275 bearing plate, size $200 \times 100 \mathrm{~mm}$ Bearing R2: 10 mm S275 bearing plate, size $200 \times 100 \mathrm{~mm}$


he property owner is required to serve a ty structure notice on the adjoining as required by The Party Wall etc 1996

Floor joists F1 @ $300 \mathrm{~mm} \mathrm{c} / \mathrm{s}$
Use Use $2 n o 47 \times 125$ C24
Floor joists F2 @ 400 mm c/s Use $47 \times 125 \mathrm{C} 24$

Beam B6
Use 2no $47 \times 125$ C24
Beam B7
Use $127 \times 76 \times 13$ UKB 5355
Bearing R1: 10 mm S275 bearing plate, size $200 \times 100 \mathrm{~mm}$
Bearing R2: 10 mm S275 bearing plate, size $200 \times 100 \mathrm{~mm}$
Beam B8
Use 2 no $47 \times 125$ C24
Use 2no $47 \times 125$ C24
Beam B9
Use $152 \times 152 \times 23$ UKC S355 End plate splice at 1.60 m .

Bearing R1: 15 mm S275 bearing plate, size $\mathbf{3 0 0 \times 1 0 0 \mathrm { mm }}$
Bearing R2: 15 mm S275 bearing plate, size $300 \times 100 \mathrm{~mm}$

Beam B10
Use $152 \times 152 \times 23$ UKC 5355
Use $152 \times 152 \times 23$ UKC S355
Bearing R1 \& R2: 15 mm S275 bearing plate,
size $300 \times 100 \mathrm{~mm}$
End plate splice at 1.60 m .

