

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

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

Beam B9
Use 2no 47 x 95 C24

Beam B10
Use 2no 47 x 170 C24

Beam B11
Use 127 x 76 x 13 UKB S355
Bearing R2: 10 mm S275 bearing plate, size 250 x 100 mm

Beam B12
Use 70 x 70 x 3.2 HF SHS S355 (6.63 kg/m)
Bearing R1: 10 mm S275 bearing plate, size 250 x 100 mm
Bearing R2: 10 mm S275 bearing plate, size 250 x 100 mm

Beam B13 & B13A
Use 127 x 76 x 13 UKB S355
Bearing R1: 10 mm S275 bearing plate, size 250 x 100 mm
Bearing R2: 10 mm S275 bearing plate, size 300 x 100 mm

Beam B17
Use 127 x 76 x 13 UKB S355

Beam B19
Use 152 x 152 x 30 UKC S355
Bearing R1: 20 mm S275 bearing plate, size 250 x 100 mm
Bearing R2: 20 mm S275 bearing plate, size 400 x 100 mm

Beam B20
Use 152 x 89 x 16 UKB S355
Bearing R2: 10 mm S275 bearing plate, size 250 x 100 mm

Beam B21
Use 178 x 102 x 19 UKB S355
Bearing R2: 15 mm S275 bearing plate, size 350 x 100 mm

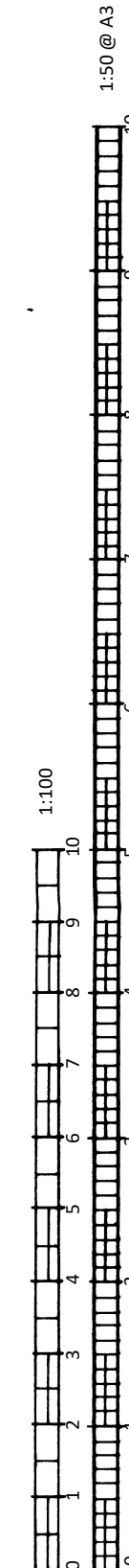
Beam B22
Use 152 x 89 x 16 UKB S355
Bearing R1: 10 mm S275 bearing plate, size 250 x 100 mm
Bearing R2: 10 mm S275 bearing plate, size 250 x 100 mm

Beam B23
Use 152 x 152 x 23 UKC S355
Bearing R1: 20 mm S275 bearing plate, size 400 x 100 mm
Bearing R2: 19 mm S275 bearing plate, size 250 x 100 mm

The floor plan illustrates the structural layout of the first floor. Key features include:

- Rooms:** Lounge, Kitchen, Cup'd, Bathroom, Bedroom, and two Landing areas.
- Beams:** Labeled beams include B21, B22, B23, B16, B12, B10, B11, B19, B18, B17, B20, B15, B9, B14, and B13A.
- Stairs:** A central staircase with 'up' and 'down' directions.
- Structural Details:** Red dashed lines indicate beam paths and supports, marked with red 'X's. Blue labels 'FD' and 'DS' denote specific structural points or conditions.
- Dimensions:** Two vertical dimensions are specified as 47x170mm C24 @ 400mm c/s.

N



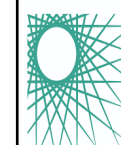
cabe
chartered
association
of building

DRWG No: **BSB/25193/2/A**

Goring

 **cabe**
chartered
association
of building
engineers

stevebsbltd@yahoo.com
07974 715009

cabe
chartered
association
of building
engineers