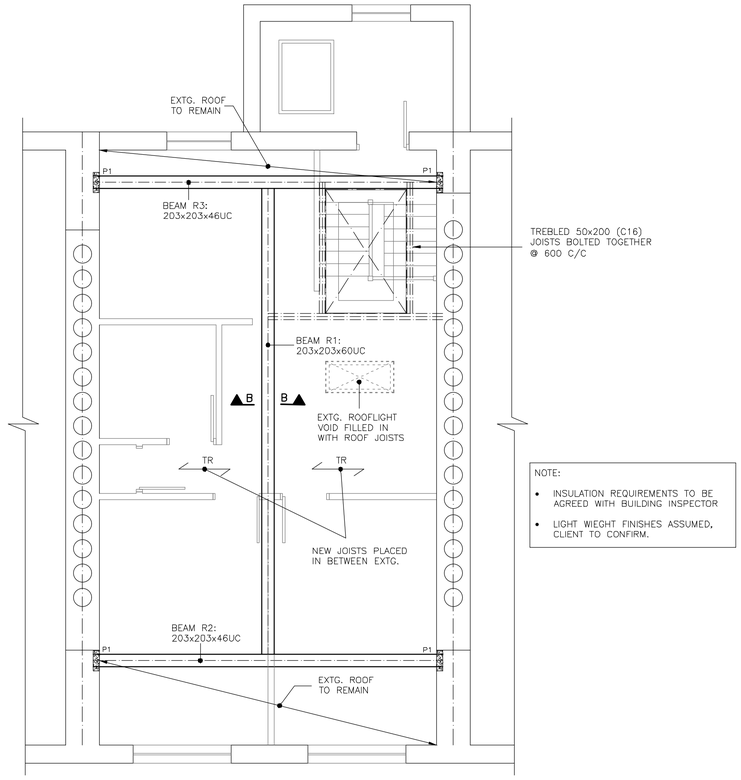


NOTE:

- INSULATION REQUIREMENTS TO BE AGREED WITH BUILDING INSPECTOR
- LIGHT WIEGHT FINISHES ASSUMED, CLIENT TO CONFIRM.

Fourth Floor Plan Showing Roof Structure Over

1:50

0.0m 0.5m 1.0m 1.5m 2.0m 2.5m

JOISTS

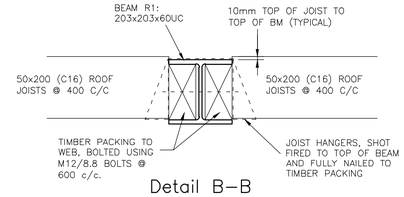
TR — 50x200 (C16) ROOF JOISTS @ 400 C/C

STEELWORK

INDICATES STEEL BEAM TO BEAM CONNECTION, REFER TO DETAIL A

PADSTONES

P1 — 330x100x215 DP CONCRETE PADSTONE

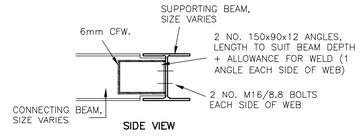


Detail B–B

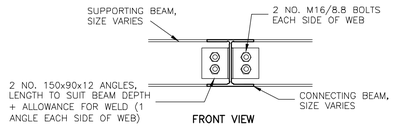
1:10

SECTION THRU' BEAM R1
SUPPORTING TERRACE ROOF

0.0m 0.1m 0.2m 0.3m 0.4m 0.5m



SIDE VIEW



FRONT VIEW

Detail A:

1:10

TYPICAL BEAM TO BEAM CONNECTION DETAIL

0.0m 0.1m 0.2m 0.3m 0.4m 0.5m

GENERAL NOTES

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT ENGINEERS AND ARCHITECTS DRAWINGS.

2. ALL DIMENSIONS SHOWN ARE INDICATIVE AND ARE TO BE VERIFIED ON SITE AND CONFIRMED BY THE ARCHITECT.

3. ANY DISCREPANCIES FOUND BETWEEN INFORMATION SHOWN ON THIS OR ANY OTHER DRAWING SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY AND PRIOR TO WORKS COMMENCING ON SITE.

MASONRY NOTES

1. THE BASE SPECIFICATION FOR STRUCTURAL MASONRY SHALL BE BS5628 'CODE OF PRACTICE' FOR USE OF MASONRY'. IN ADDITION, REFERENCE SHALL BE MADE TO THE ARCHITECTS MASONRY SPECIFICATION AND ASSOCIATED DRAWINGS.

2. ALL LINTELS TO HAVE 150mm Min. BEARING AND INSTALLED IN ACCORDANCE WITH MANUFACTURERS GUIDELINES.

3. BLOCKWORK TO BE HAVE A MIN. COMPRESSIVE STRENGTH OF 3.5 N/mm2, UNLESS NOTED.

4. MORTAR CLASSIFICATIONS AS DEFINED IN TABLE 1 OF BS 5628: PART 1 TO BE USED, ARE AS FOLLOWS:–

BELOW DPC – MORTAR DESIGNATION (i), 1:3
ABOVE DPC – MORTAR DESIGNATION (ii), 1:1:6

5. CAVITY WALL TIES TO BE INSTALLED IN ACCORDANCE WITH NHBC STANDARDS 2022, CHAPTER 6.1, TABLE 10.

NOTES ON TIMBER WORK

1. NOGGINS TO TIMBER JOISTS:
FULL DEPTH NOGGINS ARE TO BE PROVIDED BETWEEN JOISTS BASED ON THE FOLLOWING CRITERIA:–

JOIST SPAN	ROWS OF FULL DEPTH NOGGIN'S
UNDER 2.5m	None Needed
2.5 to 4.5m	1 (Mid-Span)
Over 4.5m	2 (Equal Spacing)

2. RESTRAINT STRAPS:
30x5 STAINLESS STEEL STRAPS ARE TO BE FIXED BETWEEN TIMBER WALL PLATES / WALL + FLOOR & ROOF JOISTS/WALL @ 1200 MAX CENTRES FULLY IN ACCORDANCE WITH BUILDING REGULATION REQUIREMENTS.

3. DOUBLED/TREBLED JOISTS TO BE BOLTED TOGETHER USING M12/GRADE 8.8 BOLTS, 300 FROM ENDS AND 600 c/c. SAW–TOOTHED WASHERS TO BE PLACED BETWEEN TIMBERS.

4. TIMBER TO TIMBER FIXINGS TO BE MADE USING PROPRIETARY FIXING BRACKETS, UNLESS NOTED OTHERWISE.

STEELWORK NOTES

1. ALL NEW MILD STEEL PLATES, FLATS AND ROLLED SECTIONS TO BE GRADE S275 TO BSEN10025. ALL NEW MILD STEEL STRUCTURAL HOLLOW SECTIONS TO BE GRADE S275JOH TO BSEN10210.

2. THE MINIMUM SPECIFICATION FOR ALL BOLTS SHALL BE GRADE 8.8 AND ZINC PLATED, UNLESS NOTED.

3. ALL WELDS TO BE 6mm CONTINUOUS FULL PROFILE FILLET WELDS, UNLESS NOTED OTHERWISE.

4. FOR DETAILS OF FIRE PROTECTION TO STEELWORK REFER TO ARCHITECT'S DETAILS.

5. ALL STEEL BEAMS RECEIVING TIMBER PLATES ARE TO HAVE THEIR TOP FLANGES PREDRILLED WITH 14mm DIA. HOLES AT 600mm CENTRES STAGGERED (1200mm PITCH ON LINE).

6. ALL STEELWORK TO BE BLAST CLEANED TO SA2.5 & PAINTED WITH ZINC BASED PRIMER, UNLESS NOTED OTHERWISE.

8. STEEL BEAMS SUPPORTED ON MASONRY WALLS TO HAVE MIN. BEARING OF 150 mm WHERE POSSIBLE, OTHERWISE 100mm, UNLESS NOTED OTHERWISE.

9. ALL STEELWORK LENGTHS / HEIGHTS & LEVELS TO BE MEASURED AND CONFIRMED ON SITE BY THE BUILDING CONTRACTOR.

10. STEEL COLUMNS OR POSTS ADJACENT TO MASONRY WALLS SHALL BE TIED TOGETHER USING PROPRIETARY TIES @ 450 VERTICAL CENTRES, UNLESS INDICATED OTHERWISE.

TEMPORARY WORKS

ALL TEMPORARY SUPPORT & RESTRAINT WORKS ARE THE RESPONSIBILITY OF THE BUILDING CONTRACTOR. THE BUILDING CONTRACTOR SHALL APPOINT AN APPROPRIATE SPECIALIST TO DESIGN THE TEMPORARY WORKS.

REVISION E: 28/02/24
SCALE BARS ADDED.

REVISION D: 26/01/24
STEEL BEAM WIDTH INDICATED, AS REQUESTED BY CLIENT.

REVISION B & C: 11/01/24
MINOR AMENDMENTS FOLLOWING DISCUSSIONS WITH CLIENT.

REVISION A: 04/12/23
MINOR AMENDMENTS FOLLOWING DISCUSSIONS WITH CLIENT.

STATUS
Preliminary 28/02/2024

CLIENT
Mr Rupert Churchill

SITE
99 Belgrave Road,
SW1V 2BH

TITLE
Proposed Roof Strengthening Plan / Details

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SCALE	DRAWN	DATE
As Noted @ A1	SM	July '23

DRAWING NO.	REV.
23085 / 100	E