

Denotes continuous line of full depth blocking at thirds of span and at bearings.

Allow for partial demolition and rebuilding of the partition to allow the installation of the new joists.

195x47C24 sister joists. Fixed with 2x4.0mm dia. Timberlok screws @400mm centres.

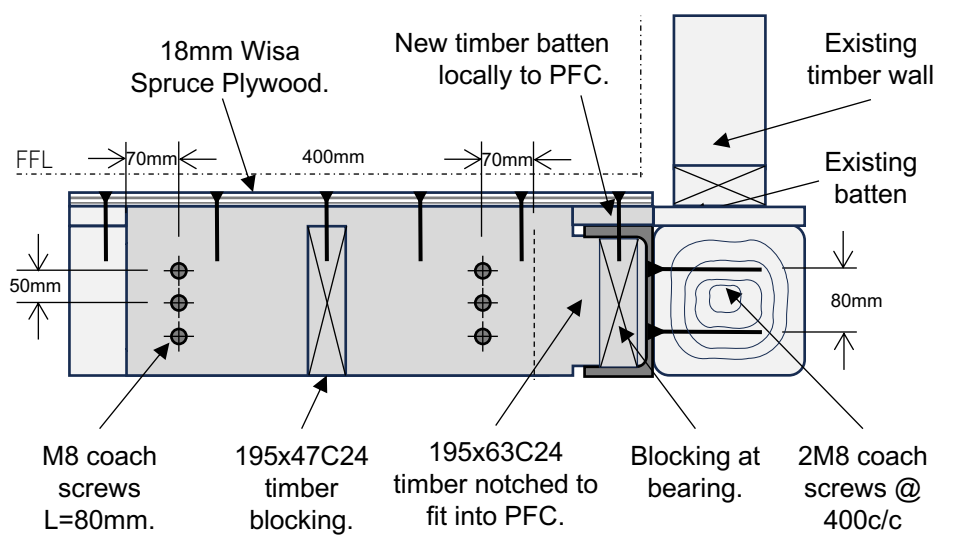
NOTE:
As part of their tender price the contractor is to provide a cost allowance for forming pockets into wall for the bearing of the new sister joists. Detail to be confirmed on site following strip-out.

PLAN (1:50)

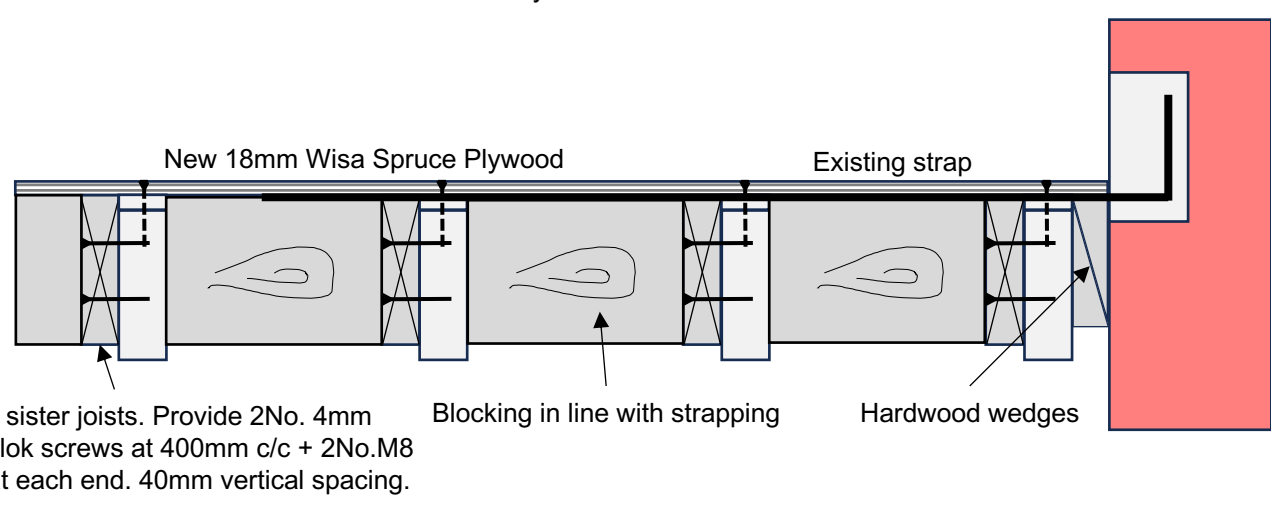
Denotes continuous line of full depth blocking at midspan and at bearings.

Provide new 18mm Wisa Spruce Plywood in a brick coursing pattern with blocking at each ply junction. Use 3.10mm nails at 150mm centres along edges and at 300mm centres internally.

Provide blocking below faulty strap.



DETAIL S1 – STRENGTHENING BRESSUMMER (1:10)



DETAIL S2 – STRENGTHENING FLOOR AND STRAPPING (1:10)

Notes
1. This drawing is to be read in conjunction with all architect's and engineers drawings and specifications.
2. Do not scale this drawing. All dimensions and levels to be confirmed on site.

Rev.	Date	Drawn	Checked	Amendments
Status Construction				

**MHA
STRUCTURAL
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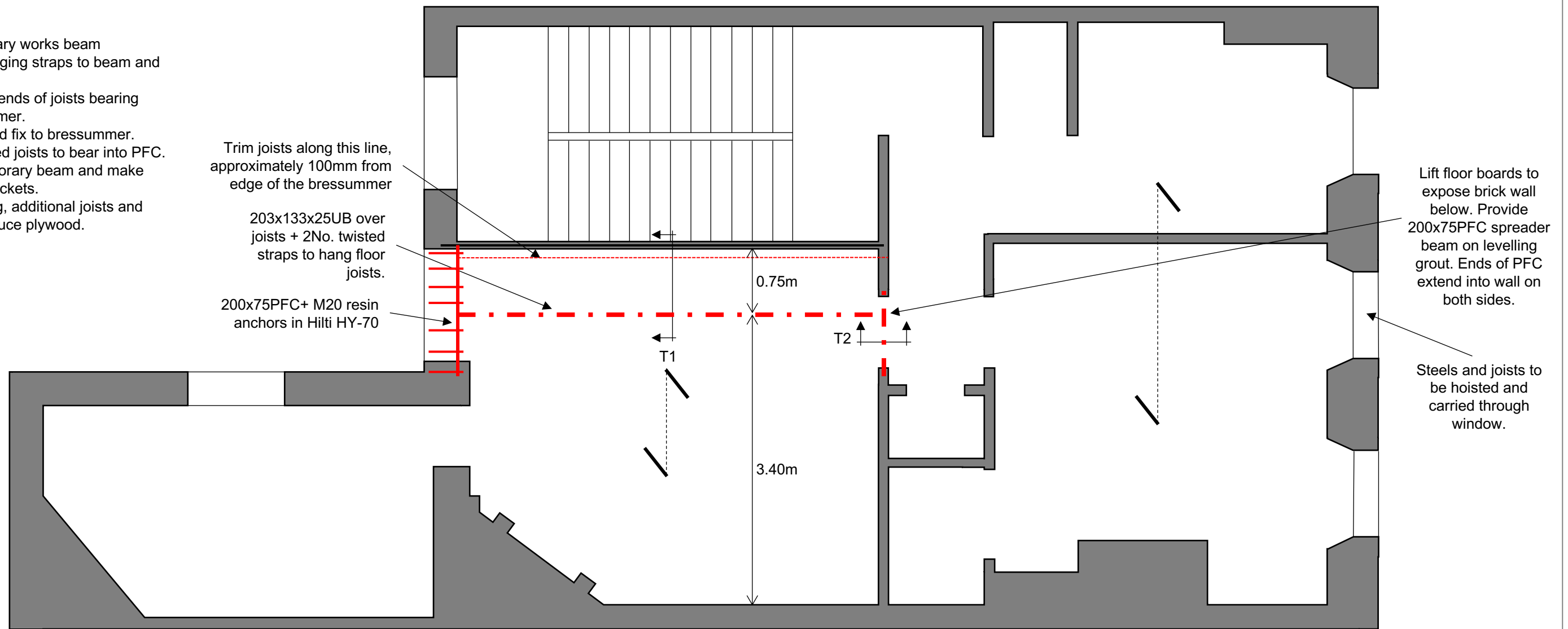
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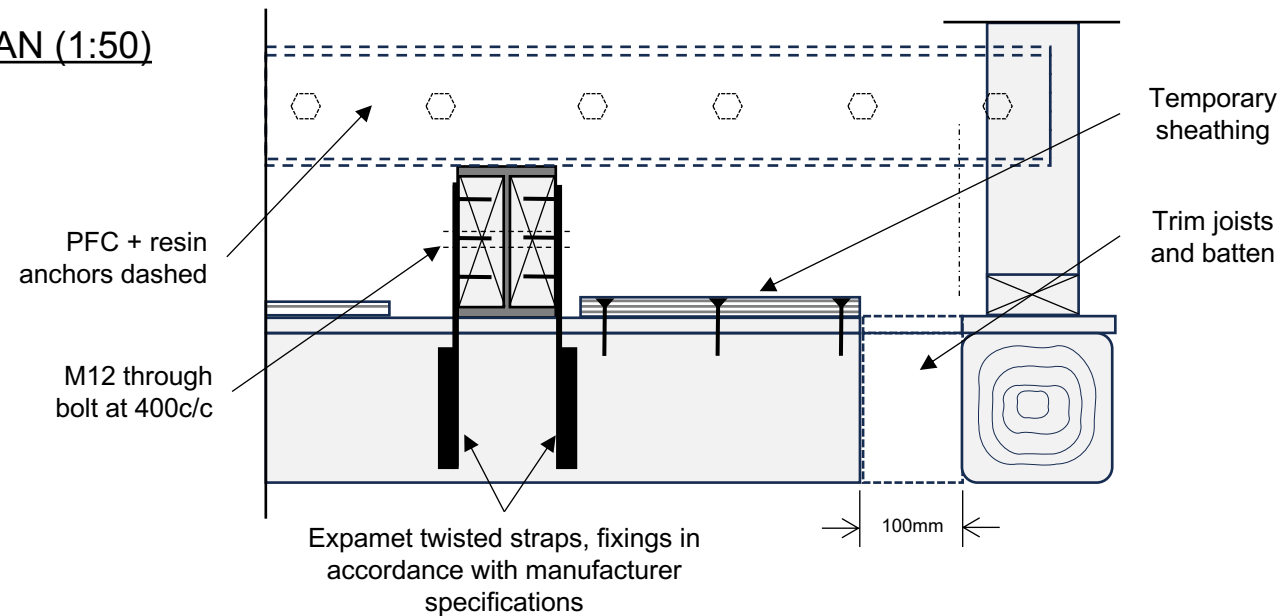
Job Title 51 Lamb's Conduit Street, WC1N 3NB		Revision A	Scale @ A3 As Noted
Drawing Title Strengthening Works		Job No./Drg No. 23072 / SK01	

Sequence:

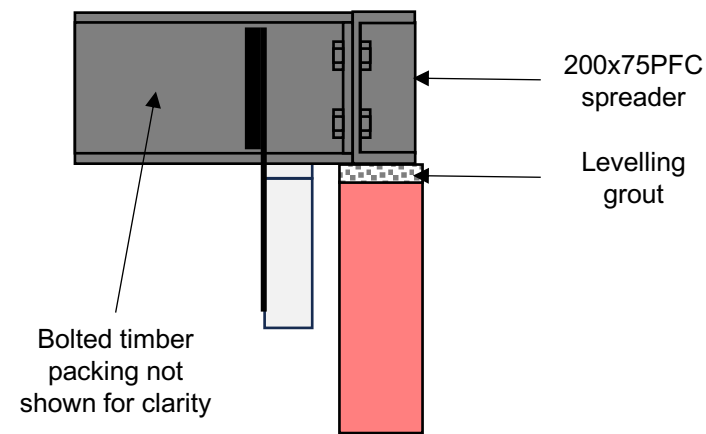
1. Install temporary works beam
2. Fix robust hanging straps to beam and joists
3. Carefully trim ends of joists bearing onto bressummer.
4. Install PFC and fix to bressummer.
5. Extend trimmed joists to bear into PFC.
6. Remove temporary beam and make good wall's pockets.
7. Install blocking, additional joists and new Wisa Spruce plywood.



PLAN (1:50)



DETAIL T1 – TEMPORARY RE-SUPPORT OF THE FLOOR (1:10)



DETAIL T2 – BEARING ON WALL (1:10)

Note:
The contractor shall carry out all the major structural works (temporary and strengthening works) while the flat below is not occupied. A clear programme of the working hours should be circulated and agreed with the occupants of the flat prior, the commencement of the works.

- Notes
1. This drawing is to be read in conjunction with all architect's and engineers drawings and specifications.
 2. Do not scale this drawing. All dimensions and levels to be confirmed on site.
 3. Temporary works to be designed by a chartered engineer employed by the contractor.

Rev.	Date	Drawn	Checked	Amendments
Status				
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Job Title 51 Lamb's Conduit Street, WC1N 3NB		
Drawing Title Indicative Temporary Works Concept		
Job No./Drg No. 23072 / Sk02	Revision A	Scale @ A3 As Noted

NOTES

1. This drawing is to be read in conjunction with other consultants' drawings and specifications.
2. Do not scale off this drawing.
3. All dimensions are to be confirmed on site by the contractor.
4. The contractor shall at the outset establish with the local authority their requirements for inspection of the works and adhere to these.
5. All waterproofing & fire-proofing details to others' specification.
6. Great care is to be taken to avoid hidden services.
7. The contractor is to provide and install all shims and packs necessary to achieve the levels shown on the drawings.
8. All proprietary products are to be used strictly in accordance with manufacturer's details and requirements.
9. In addition to those items identified elsewhere in the MHA's drawings, notes and specifications, the following items are to be designed and detailed by the contractor (NOT MHA):
 - Temporary works;

Temporary Works & Construction Sequence

10. The structure is designed for the final condition. The contractor is responsible for the temporary stability of the structure and the design, installation and maintenance of temporary works. Clear and considered temporary works proposals including method statements are to be submitted to MHA for comment at least two weeks prior to their installation on site.
11. All temporary works are to be designed by a chartered engineer employed by the contractor.

Steel

12. All mild steelwork to be grade S275JO, except hollow sections to be grade S355J2H. All internal steelwork to be painted in accordance with F3/F4 of MHA steelwork specifications table 3.
13. All bolts to be grade 8.8 hot dip galvanised unless noted otherwise.
14. Fire protection achieved by architectural finishes.
15. Minimum size of weld to be 6mm FPFW. Minimum plate size is to be 10mm unless noted otherwise.
16. The following abbreviations are used on the drawings:
 33. FPFW: Full Profile Fillet Weld
 34. FPBW: Full Penetration Butt Weld
 35. PPBW: Partial Penetration Butt Weld
17. All full penetration welds to exposed steelwork to be ground flush.
18. Allow for HSFG bolts for all splice connections.
19. The contractor is to produce fabrication drawings for all

steelwork elements. The drawings and connection designs are to be forwarded to MHA for comment at least two weeks prior to fabrication.

20. The Contractor is to allow for any beam and column splices they consider necessary to facilitate erection.
21. The Contractor is to communicate MHA the location of the proposed splices to obtain the forces for the design.

Timber

22. All structural timber is to be grade C24 in accordance with BS 5268 UNO and preservative treated to Hazard Category B in accordance with BS 5268:5 table 3.
23. All plywood is to be Wisa Spruce Plywood (EN636-2 WBP) UNO.
24. Fixings for all sheathing are to be 3mm diameter wood screws minimum 60mm long @ 150c/c to board edges and 300c/c internally UNO. Glue to be Lumberjack 30 min by Everbuild.
25. Joints in sheathing boards are to be staggered.
26. All timber is to be sourced from FSC or PEFC certified sources.
27. Provide line of full depth timber blocking as noted in drawings and at all ply junctions.
28. All fasteners and fixings associated with the structural timber are to be hot dip galvanised in accordance with BS EN ISO 1461.

Contractor Designed Portions

29. Steel connections.
30. Temporary Works

Notes
 1. This drawing is to be read in conjunction with all architect's and engineers drawings and specifications.
 2. Do not scale this drawing. All dimensions and levels to be confirmed on site.

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Job Title 51 Lamb's Conduit Street, WC1N 3NB		
Drawing Title Drawing Notes		
Job No./Drg No. 23072 / Sk03	Revision	Scale © A3 /