



TECHNIKER  
CONSULTING  
ENGINEERS

## GLOUCESTER GATE MEWS

### *STRUCTURAL WORKS*

Client: Mansour Namaki  
Our ref: 2104287/R2/001  
Issue: 2  
Date: June 2022



**PROJECT TITLE:** Gloucester Gate Mews

**NOTE TITLE:** Structural Works

**CLIENT:** Mansour Namaki

**NOTE BY:** Matthew Wells  
CEng FIStructE ARB



Signed:

## AMENDMENT RECORD

Issue	By	Date	Comment	Ch'd	Date
1	MW	17/06/22	Issued for Comment		
2	MW	28/06/2022	Reference revisions		

## CONTENTS

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## 1. EXECUTIVE SUMMARY

This note summarises structural works made to the Mews of 12 Gloucester Gate, London, NW1 4HG permitted by planning permission reference: 2020/0441/P and listed building consent reference 2020/0427/1. and refers to the records of the installation and its oversight.

## 2. DESCRIPTION

As part of the works to be made at 12 Gloucester Gate under planning permission reference: 2020/0441/P and listed building consent reference 2020/0427/1 the Mews is to be altered and the existing structure reconfigured in accordance with the approved drawings. The first phase of the works is the installation of permanent steel structure to create a ground floor space and support a new first floor over.

This work is shown in Techniker Consulting Ltd. Drawings 2104387 1006 and 1007 and was carried out between 12<sup>th</sup> May 2022 and 10<sup>th</sup> June 2022.

Phase 1 Permanent Structural Works comprise the following:

1. Temporary propping placed to maintain the existing building stability.
2. Removal of existing first floor structure and non-load bearing partitions.
3. New steel cross beams placed on prepared bearings in existing wall at new first floor level and ceiling level above.
4. Timber joist floor fixed to new steel beams at first floor level.
5. New first floor decked out.
6. Timber binder placed beneath existing roof trusses above and fixed to new ceiling beams.
7. Temporary propping removed.

Site visits before and after the works (report references 2104287SV220529 and 2104287SV100622) were made to record the previous condition of the building structure and to ensure the works were carried out in accordance with the drawings approved by the planning permission and listed building consent.

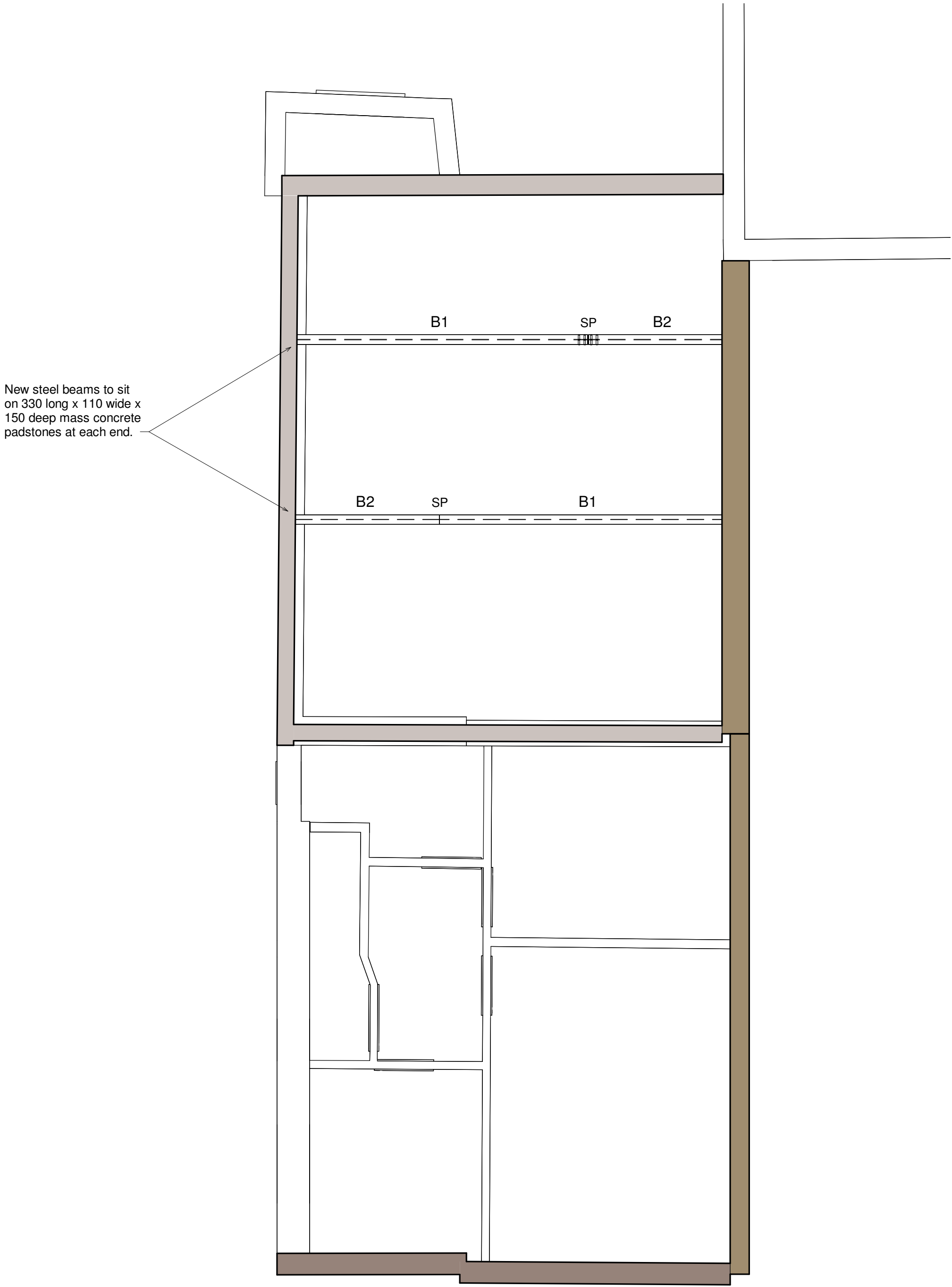
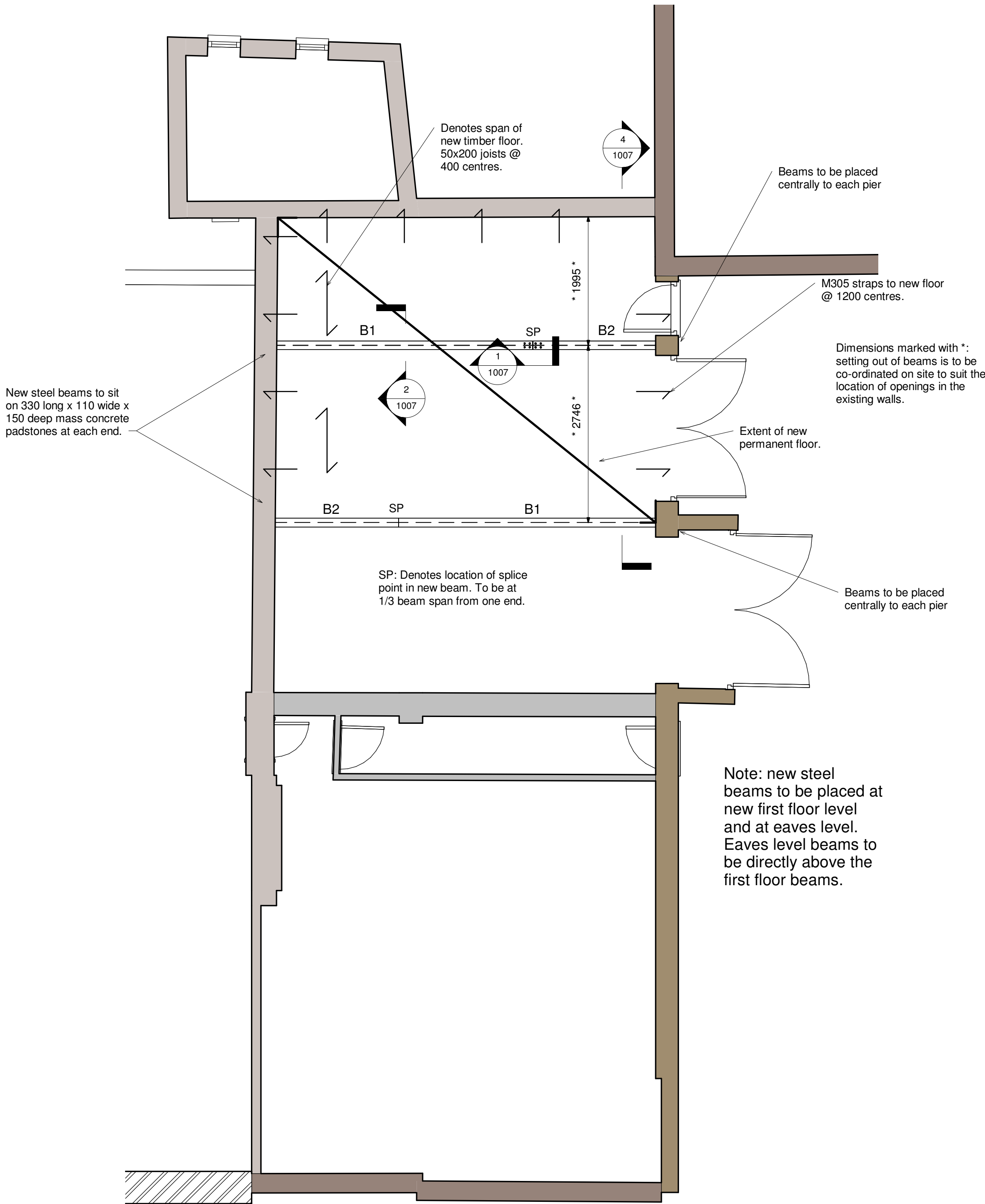


EXACT LENGTH OF BEAMS REQUIRED  
TO BE MEASURED ON SITE BY  
CONTRACTOR PRIOR TO ORDERING  
STEEL.

Beam Schedule - Phase 1				
Mark	Type	Structural Material	Count	Length per Member
B1	UB203x133x30	Metal - Steel S355	4	4150
B2	UB203x133x30	Metal - Steel S355	4	2070

NOTES

- This drawing to be read in conjunction with all relevant Architects and Engineers drawings.
- Do not scale from this drawing; use figured dimensions only. Check all dimensions on site prior to commencing fabrication. If in doubt, ask.
- Dimensions in millimetres. Levels in millimetres above local survey datum.
- Structural steel members to be Grade S355. Descale all members before applying one coat of zinc rich primer paint.
- Structural timber members to be Grade C16.
- New floor to be strapped to existing walls with 30x5 galvanised steel straps at 1200 centres, crossing a minimum of 3No joists, prior to removing the existing floor.



1 Mews New Floor Plan

1 : 50

C2

2 Ceiling Level Plan

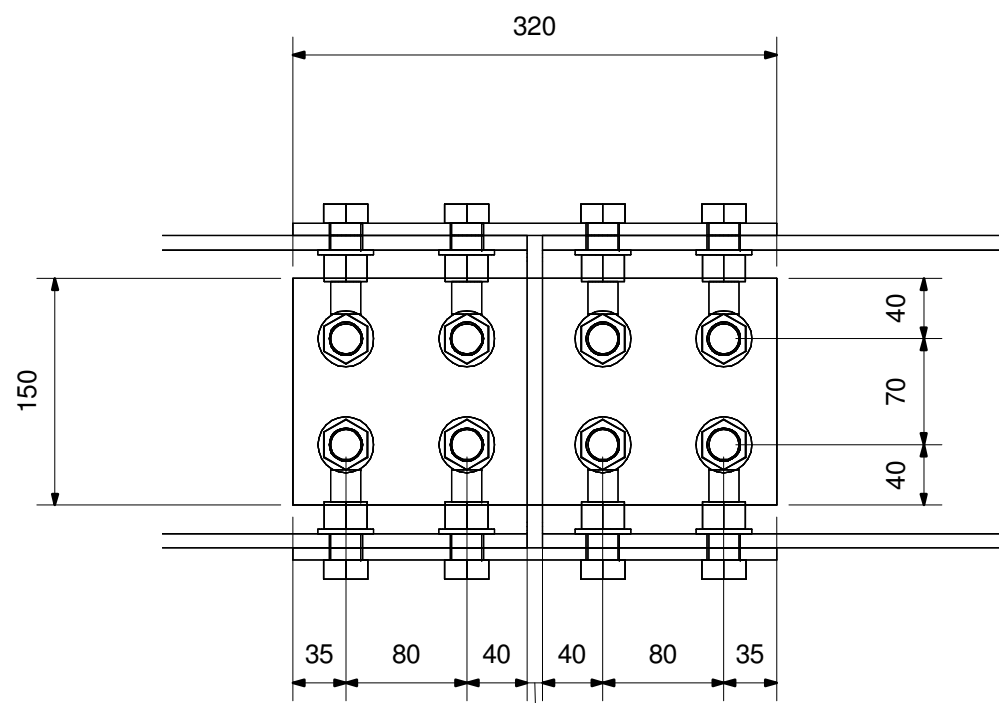
1 : 50

C2

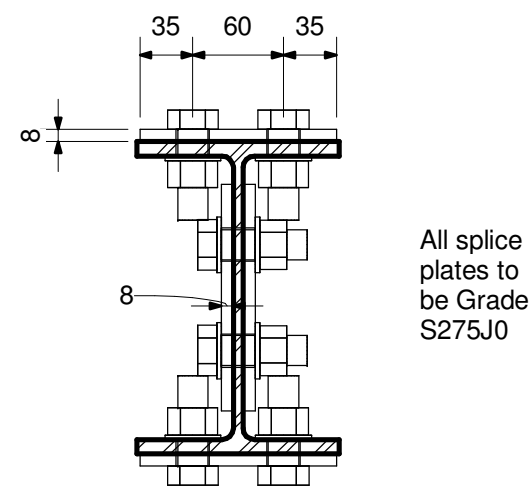
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0 1 2 3 4 5 6 7 8 9 10cm  
FULL SIZE ON ORIGINAL

C2	28/06/2022	MJ	MW	View titles updated			
C1	16/03/2022	CC	MW	Issued for information			
No	DATE	DRAWN	REV'D ENG.	AMENDMENT			
<div><div><div>TCH NKR</div><div>CONSULTING ENGINEERS</div></div><div>Techniker Consulting Engineers  1st Floor Ropewalks Bond Street Macclesfield Cheshire SK11 6QJ  01625 704600 mailbox@tchnkr.com</div></div>							
CLIENT			Mansour Namaki				
PROJECT			Gloucester Lodge				
DRAFTER		CC	ENGINEER	MJ	CHECKED BY MJ		
TITLE Mews House Internal Works - Phase 1 Permanent Works Plans							
SCALE 1 : 50 at A1		PROJECT No 2104287		DATE 03/16/22	AMTD C2		
DRAWING NUMBER		1006					



1 Splice Detail  
1 : 5

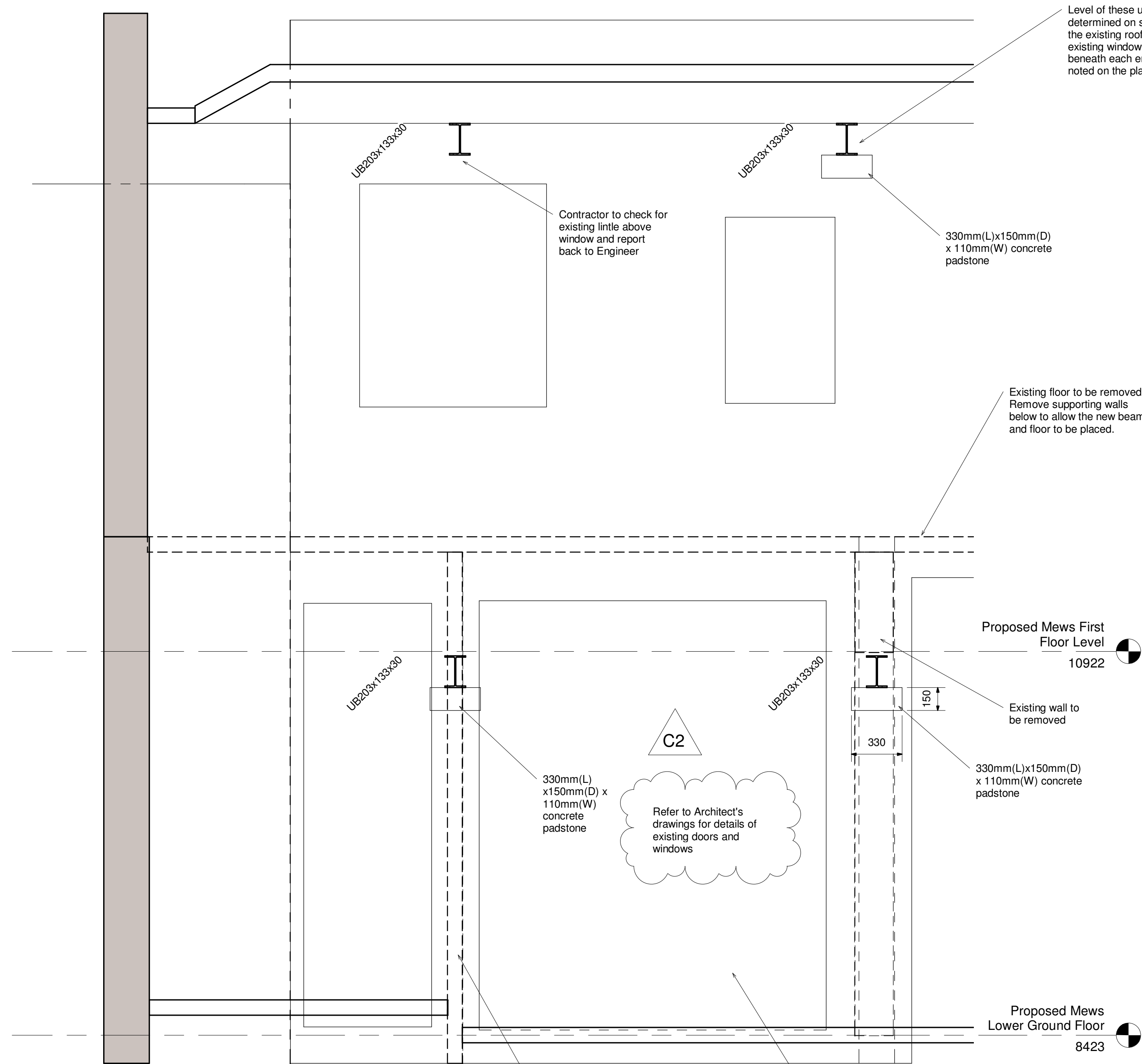
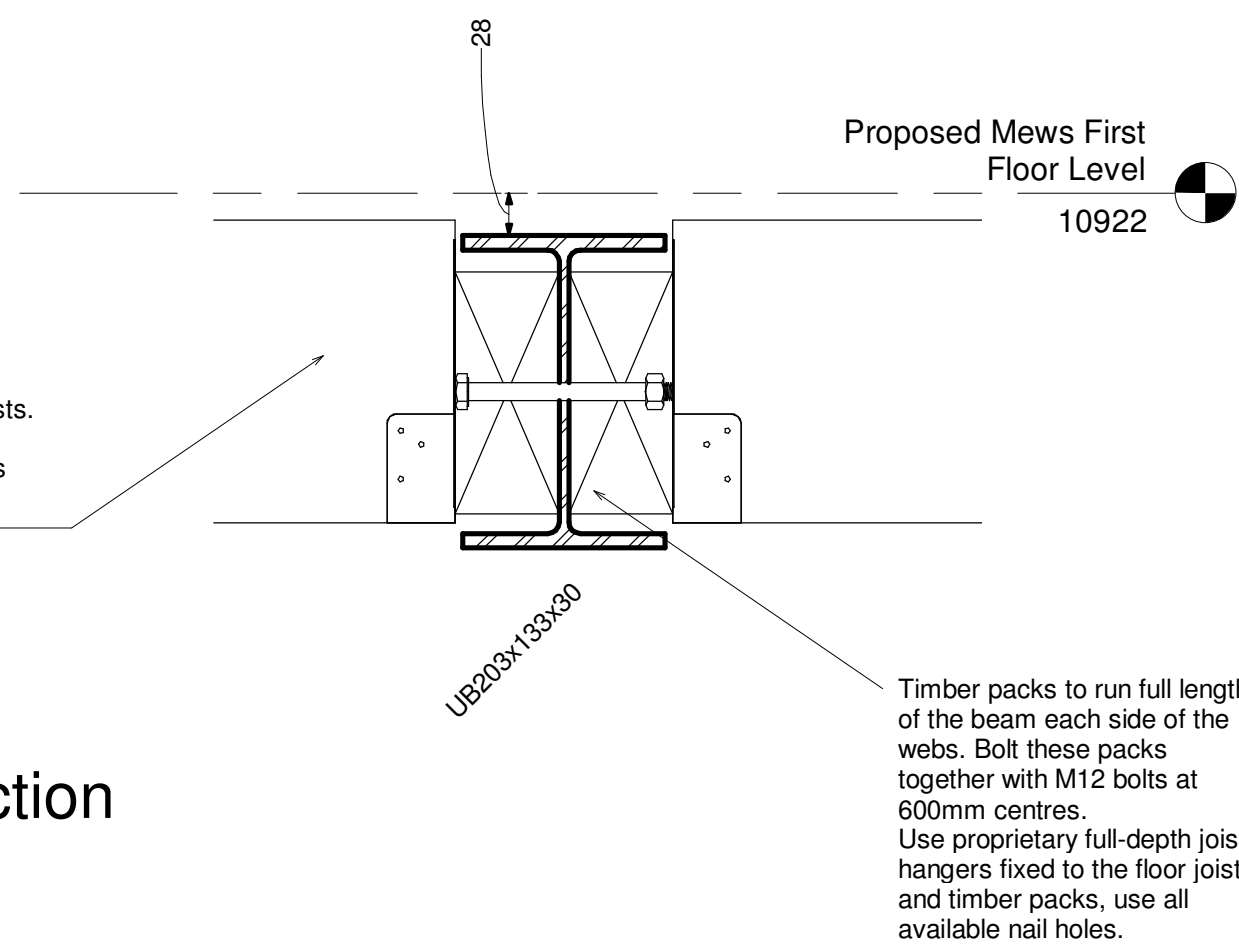


3 Splice Section  
1 : 5

New timber floor to comprise:  
50x200 joists at max 400mm centres;  
18mm T&G chipboard flooring fixed to timber joists.

Maximum span of timber joists to be 2.8m. Joists designed for 1.5kN/m<sup>2</sup> Imposed floor load and 1.0kN/m<sup>2</sup> Dead load.

2 Section  
1 : 5



4 Internal Elevation  
1 : 20

5 Section  
1 : 20

Beam Schedule - Phase 1				
Mark	Type	Structural Material	Count	Length per Member
B1	UB203x133x30	Metal - Steel S355	4	4150
B2	UB203x133x30	Metal - Steel S355	4	2070

EXACT LENGTH OF BEAMS REQUIRED TO BE MEASURED ON SITE BY CONTRACTOR PRIOR TO ORDERING STEEL.

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0 1 2 3 4 5 6 7 8 9 10cm  
FULL SIZE ON ORIGINAL

NOTES

1.

This drawing to be read in conjunction with all relevant Architects and Engineers drawings.

2.

Do not scale from this drawing; use figured dimensions only. Check all dimensions on site prior to commencing fabrication. If in doubt, ask.

3.

Dimensions in millimetres. Levels in millimetres above local survey datum.

4.

Structural steel members to be Grade S355. Descale all members before applying one coat of zinc rich primer paint.

5.

Structural timber members to be Grade C16.

6.

New floor to be strapped to existing walls with 30x5 galvanised steel straps at 1200 centres, crossing a minimum of 3No joists, prior to removing the existing floor.

C2	28/06/2022	IJ	MW	View titles updated; openings updated
C1	16/03/22	CC	MW	Issued for information
No	DATE	DRAWN	REV'D ENG.	AMENDMENT

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CLIENT

Mansour Namaki

PROJECT

Gloucester Lodge

DRAFTER	CC	ENGINEER	MJ	CHECKED BY	MJ
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TITLE

Mews House Internal Works - Phase 1 Permanent Works Elevation and Details

SCALE	PROJECT No	DATE	AMDT
As indicated at A1	2104287	03/16/22	C2

DRAWING NUMBER

1007

28/06/2022 11:37:28

A1