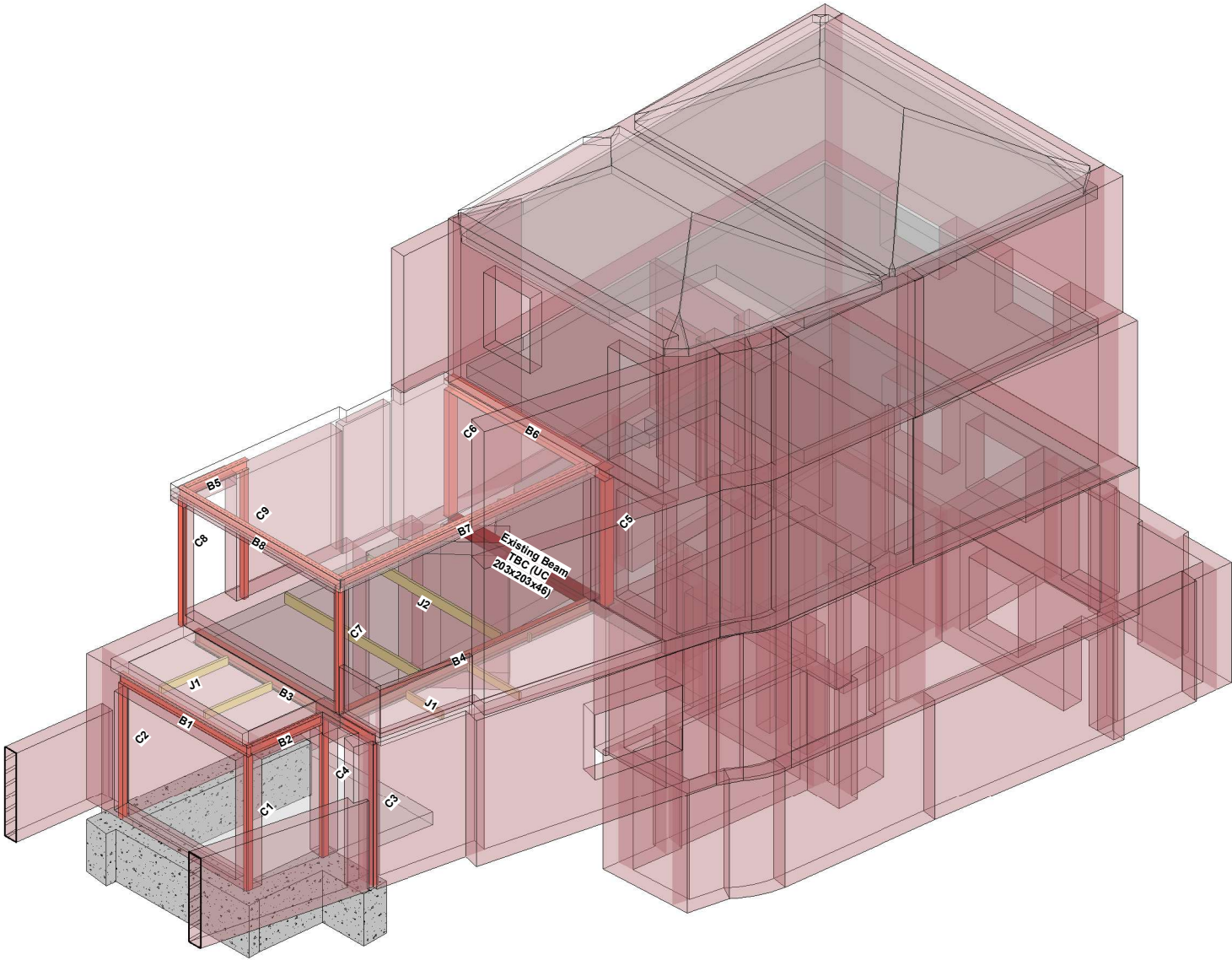


General Notes

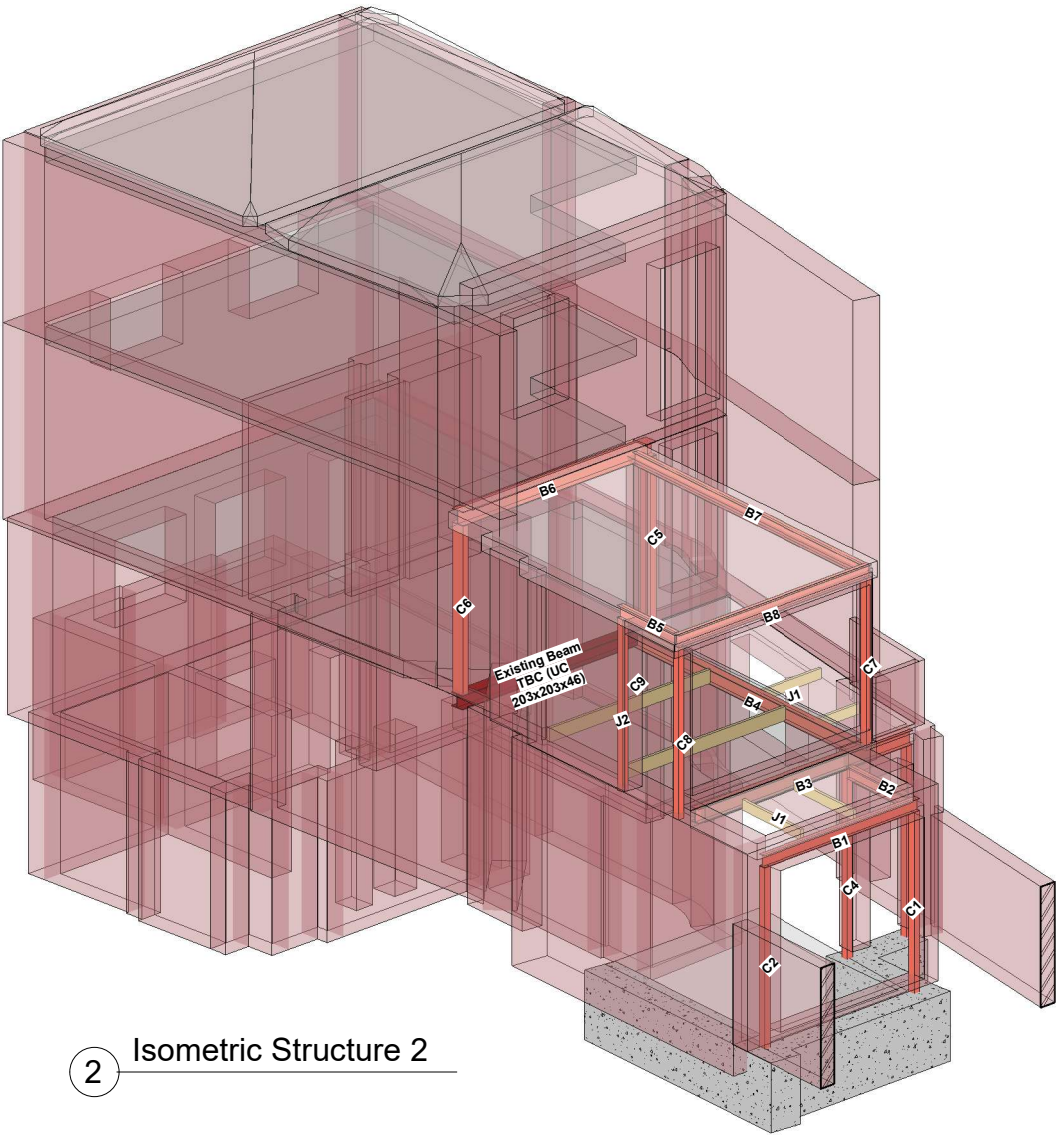
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 - Connection Specification: GMZ-2026-0014-RS-SP-001
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3. All levels in meters U.N.O
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1 Isometric Structure 1



2 Isometric Structure 2

General Notes

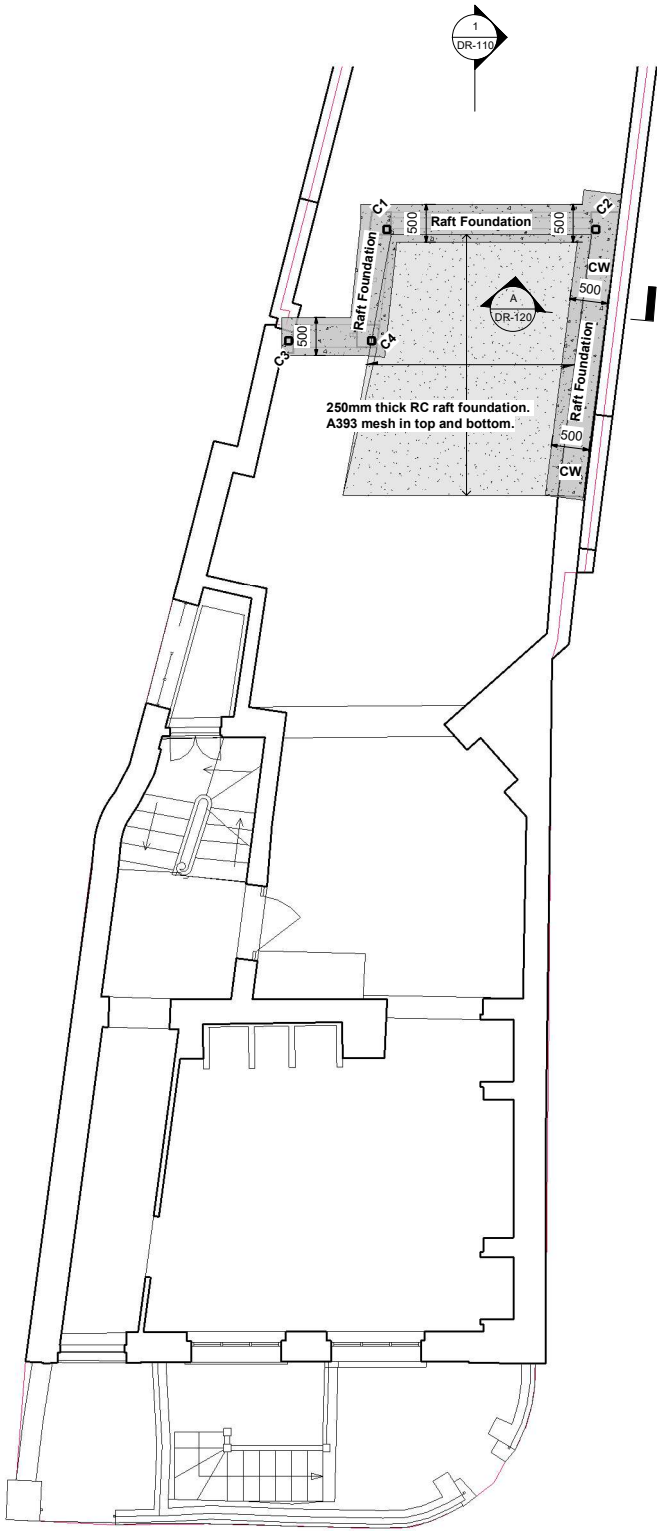
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Drawing Notes

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5. 30mm x 5mm galvanised lateral restraint straps required between joists and external walls at maximum 2m centres in accordance with manufacturer's specification. Straps parallel to joists minimum 600mm long. Straps perpendicular to joists to fix to minimum 3 No. joists with full depth noggins at strap positions.
6. Additional vertical restraint straps at 2m centres or closer as required at second floor between load bearing masonry and timber roof.
7. 18mm plywood decking fixed using 3mm x 50mm flat head ring shank nails at 100mm c/c to all joists / rafters / noggins.
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9. Columns to be fixed to adjacent masonry with Ancon frame cramps or resin anchors @ 450mm vertical centres. Vertically slotted holes required.

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Steel Beam Schedule					
Mark	Level	Section	Grade	Length (mm)	Weight (kg)
B1	Ground Floor High Level	UB178x102x19	S275	2875	55
B2	Ground Floor High Level	UB178x102x19	S275	1384	26
B3	Ground Floor High Level	UB203x133x30	S275	3971	119
B4	Ground Floor High Level	UB203x133x30	S275	4973	149
B5	Ground Floor High Level	UB178x102x19	S275	1223	23
B6	First Floor High Level	UC203x203x46	S275	3560	164
B7	First Floor High Level	UB178x102x19	S275	4927	94
B8	First Floor High Level	UB178x102x19	S275	3563	68
					698

Steel Column Schedule					
Mark	Level	Section	Grade	Length (mm)	Weight (kg)
C1	Ground to First Floor	SHS100x100x10	S275	2860	78
C2	Ground to First Floor	SHS100x100x10	S275	2860	78
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C4	Ground to First Floor	SHS100x100x10	S275	3010	82
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C6	First to Second Floor	RHS200x100x10	S275	2420	104
C7	First to Second Floor	SHS100x100x10	S275	2460	67
C8	First to Second Floor	SHS100x100x10	S275	2460	67
C9	First to Second Floor	SHS100x100x10	S275	2460	67
					732

Lengths provided are for costing purposes and are not to be relied upon for fabrication. All measurements to be confirmed on site. Weights do not include secondary steelwork such as welded plates or shelf angles.

Timber Member Schedule			
Mark	Level	Section	Grade
J1	Flat Roof	47x150 Joists	C24
J2	Floor	47x200 Joists	C24

- Raft foundation 250mm thick; A393 mesh in top and bottom face
- 4-H16-Rebar
- 2-H10@300c/c
- 4-H16-Rebar
- Concrete grade to be C30
 - Cover to top reinforcement to be 35mm
 - Cover to bottom reinforcement to be 50mm
 - Cover to side reinforcement to be 40mm

1 Raft Foundation Section
1 : 25

- M20 8.8 bolts
- 30 140 30 30 140 30 200
- Column to be welded (6FW) with 15mm thick baseplate. 20mm bedding mortar packed tight.

3 100SHS Baseplate Detail
1 : 5

Key	
CW	Cavity Wall. Internal leaf to be 100mm solid dense concrete block, min 7.3N/mm². Outer leaf to Architects details.
	Solid dense concrete block wall min 7.3N/mm².
T	New timber stud partition wall. 50x100mm @400mm c/c (C24).
	Concrete foundations
(u)	Beam/Column at low level (under).
FFW	Crank - Full penetration butt weld connection
	Beam at low level.
	Beam at high level.
	Concrete lintel at high level
	Stainless steel lintel at high level
	Demolished
J/R	Timber joist/rafter span direction
	Doubled-up joists/rafters bolted with M10 bolts @400mm c/c (staggered)
TP	Timber post 100x100 (C24)
	Step in floor level
Nr.	Padstones 1. 100x440x215mm 2. 100x300x215mm 3. 215x440x215mm 4. 215x300x215mm 5. 100x600x215mm 6. 215x215x215mm 7. 140x215x215mm 8. 100x215x215mm 9. 300x440x215mm 10. 300x300x215mm 11. 215x600x215mm 12. 300x600x215mm

FN Foundation Plan
1 : 50

- Raft foundation
- Ground level
- 1.1m min. depth
- Fully compacted infill material
- Angle of repose of infill material
- Granular infill should be atleast 50% of the foundation depth (1.1m deep as per NHBC) and not more than 1.25m deep.
 - Granular fill beyond new foundation not required where abutting existing trench foundations.

2 Granular infill beneath raft foundation
1 : 25

Scalebar 1:50@A1
0m 1m 2m 3m 4m 5m

P1	First Issue	02/02/2026	AS	NG
Rev	Description	Date	Drawn	Chkd
Revision Schedule				
GMZ CONSULTING				
Total Design Consultancy Services inc. 2008 www.gmzconsulting.co.uk info@gmzconsulting.co.uk Tel: 020 8115 0783 Company no. 6718056 VAT no. 940 7838 02				
Client: Allison & Eugene Hayes				
Site address: 92 North Road N6				
Drawing: Foundation Plan				
Drawing reference: GMZ-2026-0014-RS-DR-098				
Designed AS	Drawn AS	Checked NG	Approved NG	A1 Scale As Indicated Date of 1st Issue 02/02/2026 Rev.Nr P1

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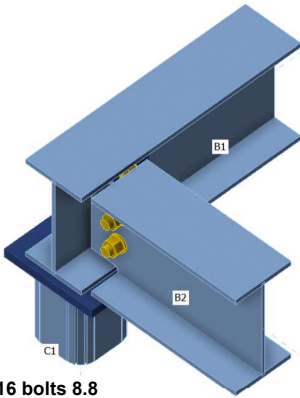
Steel Beam Schedule					
Mark	Level	Section	Grade	Length (mm)	Weight (kg)
B1	Ground Floor High Level	UB178x102x19	S275	2875	55
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B3	Ground Floor High Level	UB203x133x30	S275	3971	119
B4	Ground Floor High Level	UB203x133x30	S275	4973	149
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B8	First Floor High Level	UB178x102x19	S275	3563	68
				698	

Steel Column Schedule					
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C4	Ground to First Floor	SHS100x100x10	S275	3010	82
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				732	

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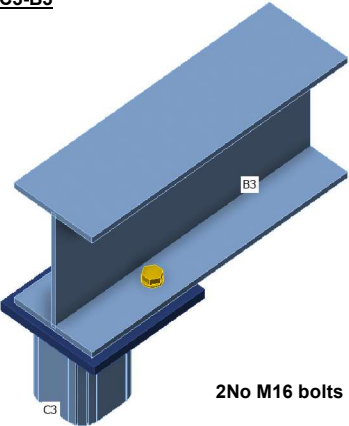
Timber Member Schedule			
Mark	Level	Section	Grade
J1	Flat Roof	47x150 Joists	C24
J2	Floor	47x200 Joists	C24

CON1 - C1-B1-B2/C2-B1,C7-B7-B8,C8-B8-B5,C9-B5



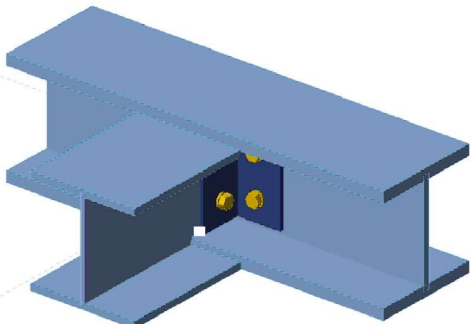
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CON2 - C3-B3

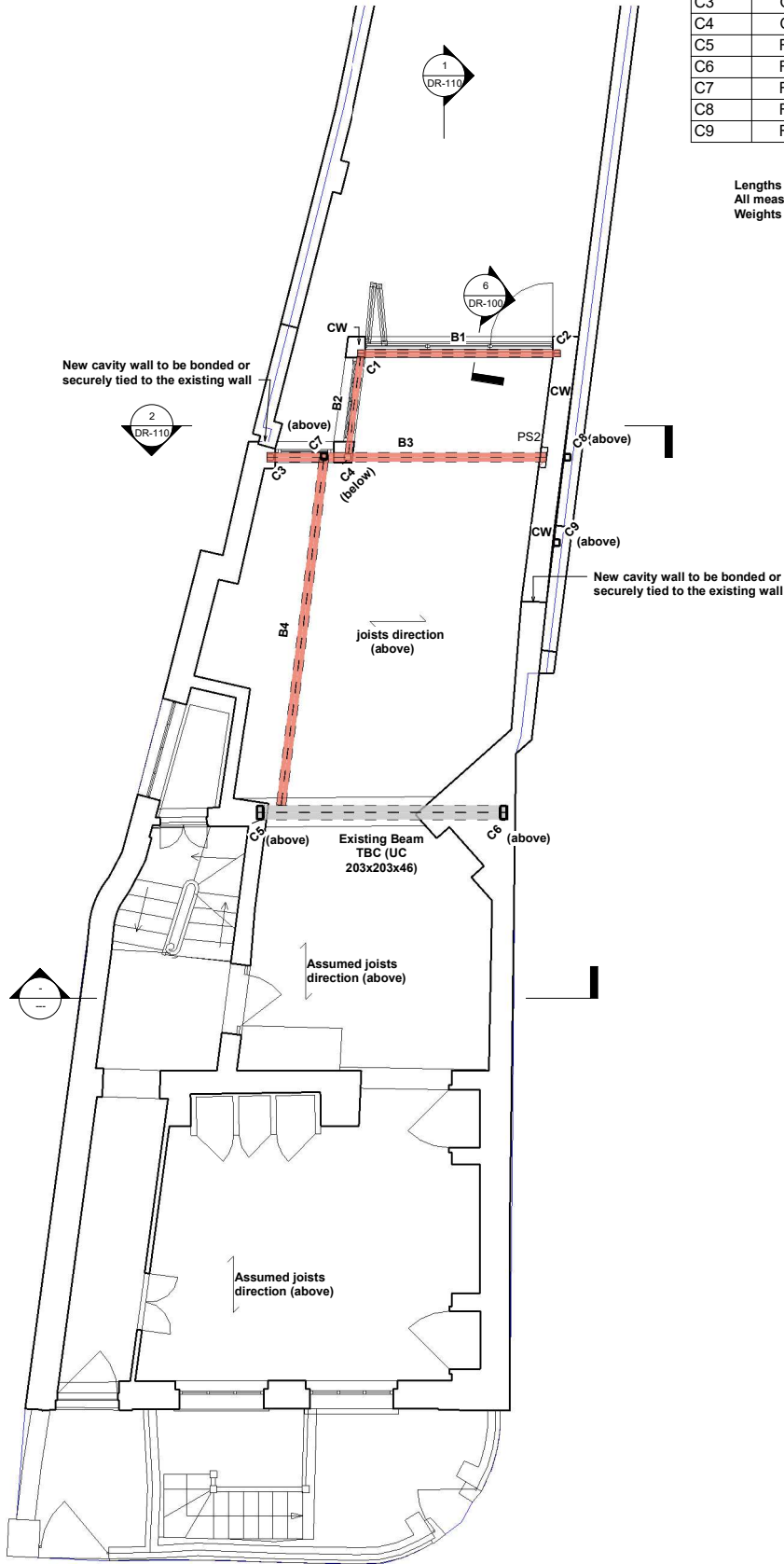


2No M16 bolts 8.8

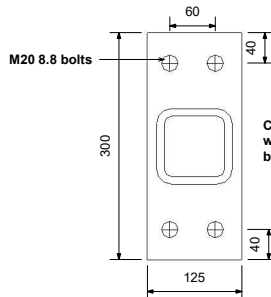
CON3 - B3-B4



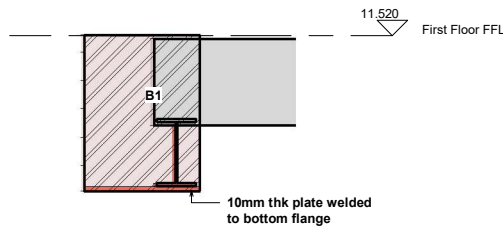
2x Angle cleat L100/10; S275
6No M16 bolts 8.8



GF Ground Floor Plan
1 : 50

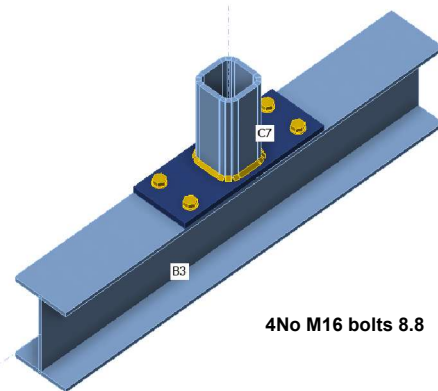


100SHS Baseplate Detail 2
1 : 5



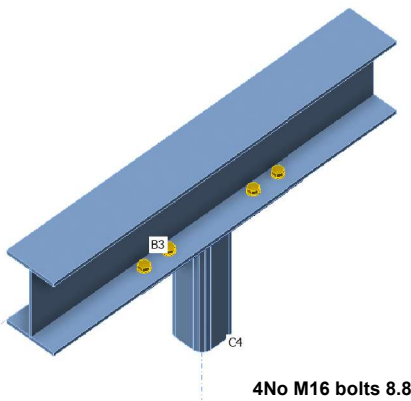
Section 6
1 : 10

CON4 - B3-C7



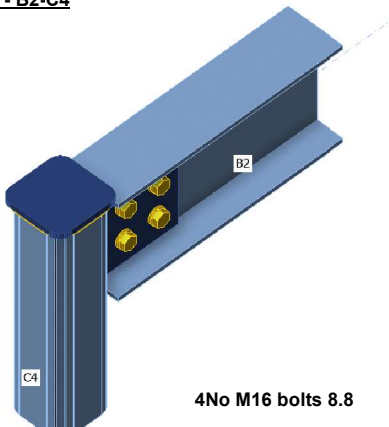
4No M16 bolts 8.8

CON5 - B3-C4



4No M16 bolts 8.8

CON6 - B2-C4



4No M16 bolts 8.8

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	Solid dense concrete block wall min 7.3N/mm².	
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	Concrete foundations	
(u)	Beam/Column at low level (under).	
FRPW	Crank - Full penetration butt weld connection	
	Beam at low level.	
	Beam at high level.	
	Concrete lintel at high level	
	Stainless steel lintel at high level	
	Demolished	
J/R	Timber joist/rafter span direction	
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TP	Timber post 100x100 (C24)	
	Step in floor level	
Nr	Padstones	
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	2. 100x300x215mm	7. 140x215x215mm
	3. 215x440x215mm	8. 100x215x215mm
	4. 215x300x215mm	9. 300x440x215mm
	5. 100x600x215mm	10. 300x300x215mm
		11. 215x600x215mm
		12. 300x600x215mm

Scalebar 1:50@A1
0m 1m 2m 3m 4m 5m

P1	First Issue	Description	02/02/2026	AS	NG
Rev			Date	Drawn	Check
Revision Schedule					
GMZ CONSULTING					
Total Design Consultancy Services inc. 2008 www.gmzconsulting.co.uk					
info@gmzconsulting.co.uk Tel: 020 8115 0783 Company no. 6718056 VAT no. 940 7838 02					
Client: Allison & Eugene Hayes					
Site address: 92 North Road N6					
Drawing: Ground Floor Plan					
Drawing reference: GMZ-2026-0014-RS-DR-100					
Designed AS	Drawn AS	Checked NG	Approved NG	A1 Scale As Indicated	Date of 1st Issue 02/02/2026
					Rev.Nr P1

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					698

Steel Column Schedule

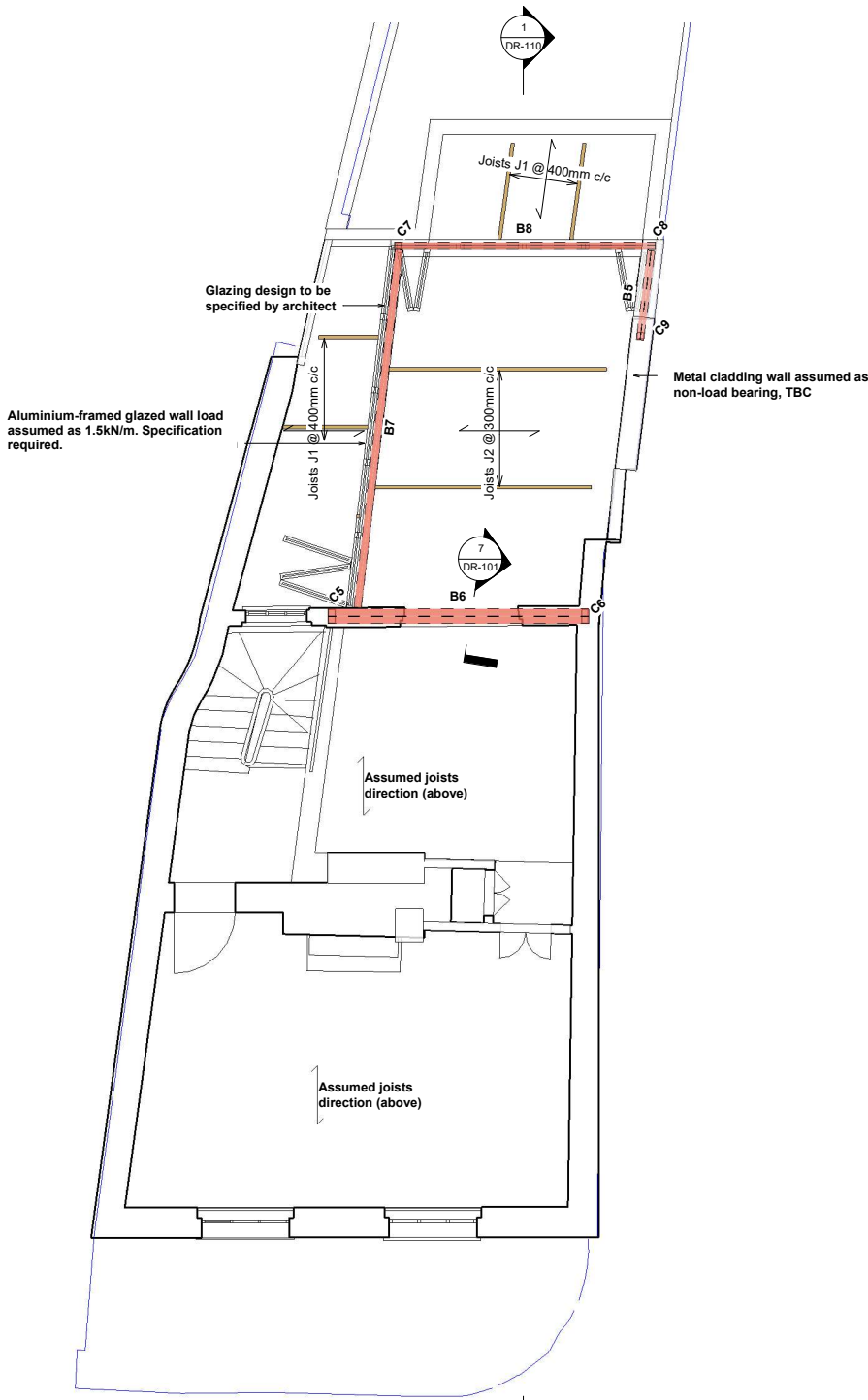
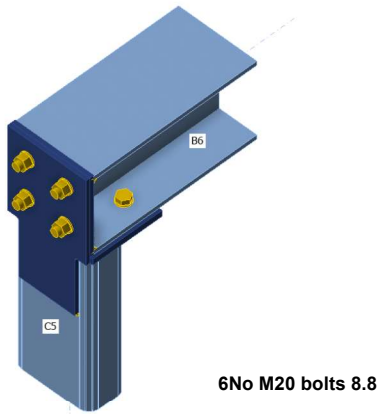
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Timber Member Schedule

Mark	Level	Section	Grade
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J2	Floor	47x200 Joists	C24

CON1 - C5-B6/C6-B6,Existing Beam - C5

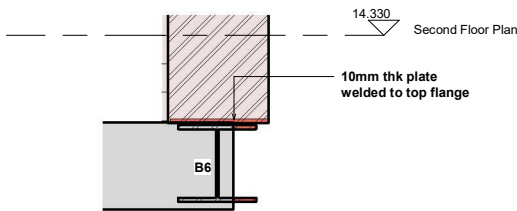


First Floor Plan

1 : 50

Key

CW	Cavity Wall. Internal leaf to be 100mm solid dense concrete block, min 7.3N/mm². Outer leaf to Architects details.
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T	New timber stud partition wall. 50x100mm @400mm c/c (C24).
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Section 7

1 : 10

P1	First Issue		02/02/2026	AS	NG
Rev	Description		Date	Drawn	Checked
Revision Schedule					
GMZ CONSULTING					
Total Design Consultancy Services inc. 2008					
<u>www.gmzconsulting.co.uk</u>					
info@gmzconsulting.co.uk					
Tel: 020 8115 0783					
Company no. 6718056					
VAT no. 940 7838 02					
Client:					
Allison & Eugene Hayes					
Site address:					
92 North Road N6					
Drawing:					
First Floor Plan					
Drawing reference:					
GMZ-2026-0014-RS-DR-101					
Designed AS	Drawn AS	Checked NG	Approved NG	A1 Scale As indicated	Date of 1st Issue 02/02/2026
					Rev.Nr P1

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5. All structural design items are to be approved by Building Control prior to construction. Sometimes our opinion differs from the opinion of Building Control.

Steel Beam Schedule

Mark	Level	Section	Grade	Length (mm)	Weight (kg)
B1	Ground Floor High Level	UB178x102x19	S275	2875	55
B2	Ground Floor High Level	UB178x102x19	S275	1384	26
B3	Ground Floor High Level	UB203x133x30	S275	3971	119
B4	Ground Floor High Level	UB203x133x30	S275	4973	149
B5	Ground Floor High Level	UB178x102x19	S275	1223	23
B6	First Floor High Level	UC203x203x46	S275	3560	164
B7	First Floor High Level	UB178x102x19	S275	4927	94
B8	First Floor High Level	UB178x102x19	S275	3563	68

698

Steel Column Schedule

Mark	Level	Section	Grade	Length (mm)	Weight (kg)
C1	Ground to First Floor	SHS100x100x10	S275	2860	78
C2	Ground to First Floor	SHS100x100x10	S275	2860	78
C3	Ground to First Floor	SHS100x100x10	S275	3000	82
C4	Ground to First Floor	SHS100x100x10	S275	3010	82
C5	First to Second Floor	RHS200x100x10	S275	2420	104
C6	First to Second Floor	RHS200x100x10	S275	2420	104
C7	First to Second Floor	SHS100x100x10	S275	2460	67
C8	First to Second Floor	SHS100x100x10	S275	2460	67
C9	First to Second Floor	SHS100x100x10	S275	2460	67

732

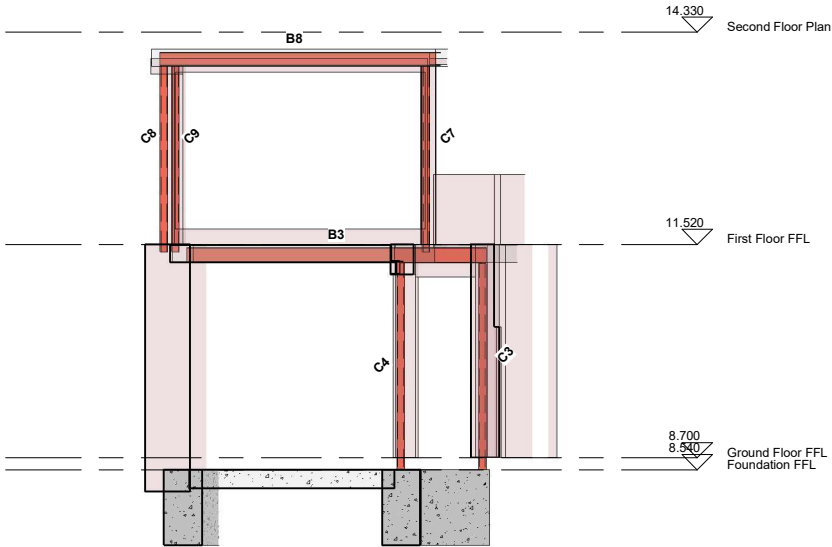
Lengths provided are for costing purposes and are not to be relied upon for fabrication. All measurements to be confirmed on site. Weights do not include secondary steelwork such as welded plates or shelf angles.

Timber Member Schedule

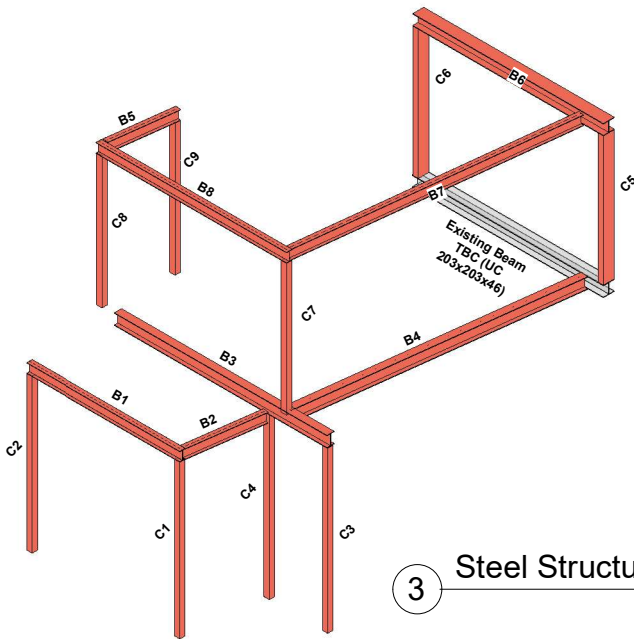
Mark	Level	Section	Grade
J1	Flat Roof	47x150 Joists	C24
J2	Floor	47x200 Joists	C24



1 Section 1
1 : 50



2 Section 2
1 : 50



3 Steel Structure 3D



P1	First Issue		02/02/2026	AS	NG
Rev	Description	Date	Drawn/Chkd		
Revision Schedule					
GMZ CONSULTING					
Total Design Consultancy Services inc. 2008 www.gmzconsulting.co.uk info@gmzconsulting.co.uk Tel: 020 8115 0783 Company no. 6718056 VAT no. 940 7838 02					
Client: Allison & Eugene Hayes					
Site address: 92 North Road N6					
Drawing: Building Section - Sheet 1					
Drawing reference: GMZ-2026-0014-RS-DR-110					
Designed AS	Drawn AS	Checked NG	Approved NG	A1 Scale 1 : 50	Date of 1st Issue 02/02/2026
					Rev.Nr P1

1. This drawing is to be read in conjunction with all architects drawings and the following documents

- Calculation Report: GMZ-2026-0014-RS-CA-001
- Connection Specification: GMZ-2026-0014-RS-SP-001
- Structural Specification: GMZ-2026-0014-RS-SP-002

3. All levels in meters U.N.O

4. All dimensions to be confirmed on site by contractor before commencement of work or steelwork fabrication. Any deviations found are to be reported to the Engineer/Architect.

5. Pad stones can be replaced for 20mm spreader plates of the same plan area as the specified pad stone.

1. For building setting out refer to architects information.

2. Beams shown over, U.N.O.

3. All external steelwork to be galvanised to achieve minimum 85micron dry film thickness. Apply two coats of black bitumen paint to face of steelwork within cavity below ground level.

4. Steel beams to be rag bolted to padstones/blockwork to prevent lateral movement.

5. 30mm x 5mm galvanised lateral restraint straps required between joists and external walls at maximum 2m centres in accordance with manufacturer's specification. Straps parallel to joists minimum 600mm long. Straps perpendicular to joists to fix to minimum 3 No. joists with full depth noggins at strap positions.

6. Additional vertical restraint straps at 2m centres or closer as required at second floor between load bearing masonry and timber roof.

7. 18mm plywood decking fixed using 3mm x 50mm flat head ring shank nails at 100mm c/c to all joists / rafters / noggins.

8. Openings in Brick/Block walling shown indicatively. Setting out of openings in brick/block walling to be provided by Architect.

9. Columns to be fixed to adjacent masonry with Ancon frame cramps or resin anchors @ 450mm vertical centres. Vertically slotted holes required.

1. Communication by telephone and WhatsApp is accepted. However, anything with contractual implications, such as design changes, must be requested by email with the client copied in.
2. For amendments to the structural design, we must be given at least 7 days notice. We are doing safety critical work that must not be rushed.
3. Email requests must contain a clear, complete description of the issue, along with markups, photos and videos, as necessary. If the issue is not clear, requests cannot be actioned.
4. Depending on the reason for the design change, there might be a fee associated.
5. All structural design items are to be approved by Building Control prior to construction. Sometimes our opinion differs from the opinion of Building Control.

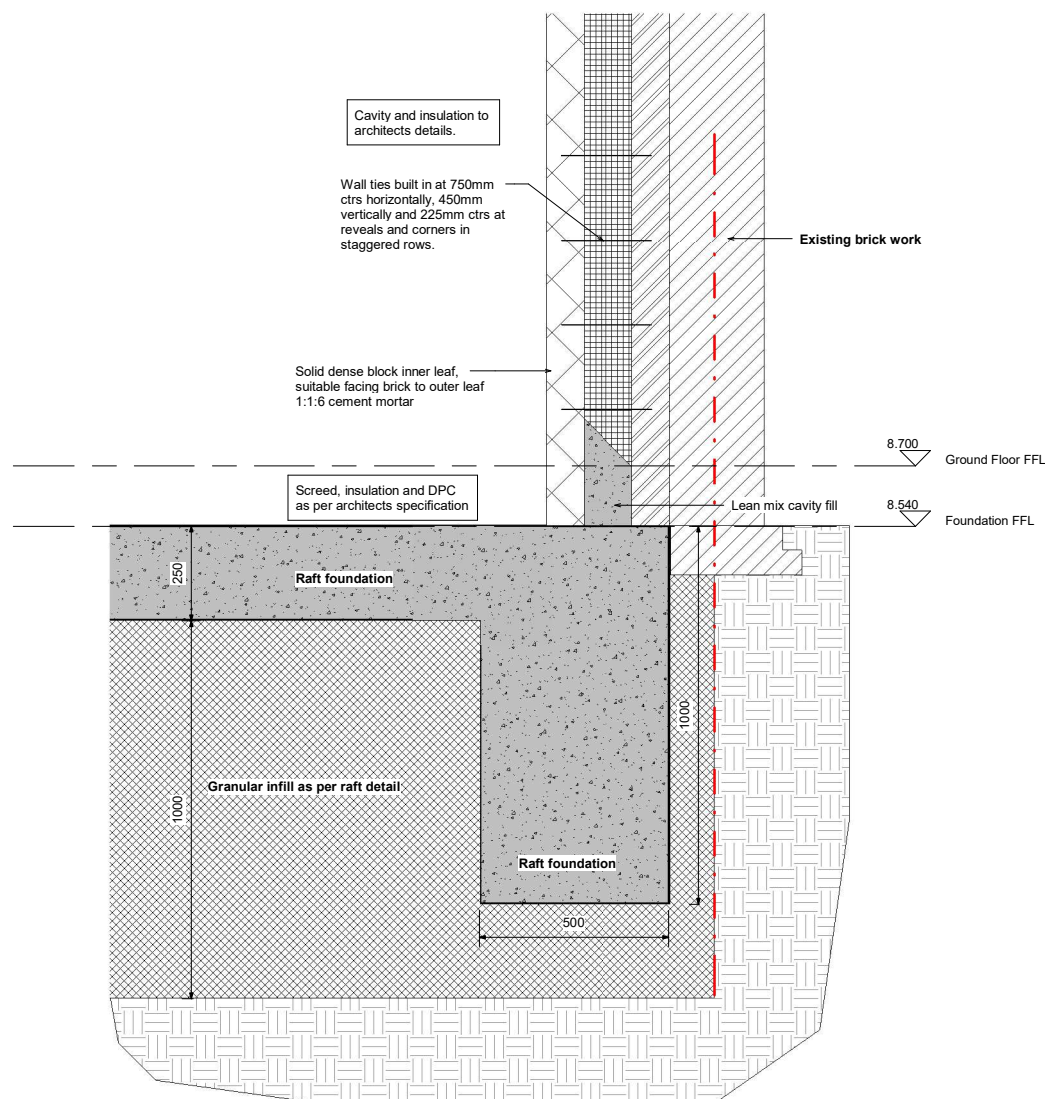
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732

Lengths provided are for costing purposes and are not to be relied upon for fabrication.
All measurements to be confirmed on site.
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Mark	Level	Section	Grade
J1	Flat Roof	47x150 Joists	C24
J2	Floor	47x200 Joists	C24



A Detail A - Party Wall
1 : 10

Key	
	Cavity Wall. Internal leaf to be 100mm solid dense concrete block, min 7.3N/mm ² . Outer leaf to Architects details.
	Solid dense concrete block wall min 7.3N/mm ² .
	New timber stud partition wall. 50x100mm @400mm c/c (C24).
	Concrete foundations
(u)	Beam/Column at low level (under).
	Crank - Full penetration butt weld connection
	Beam at low level.
	Beam at high level.
	Concrete lintel at high level
	Stainless steel lintel at high level
	Demolished
	Timber joist/rafter span direction
	Doubled-up joists/rafters bolted with M10 bolts @400mm c/c (staggered)
	Timber post 100x100 (C24)
	Step in floor level
	Padstones 1. 100x440x215mm 2. 100x300x215mm 4. 215x300x215mm 5. 100x600x215mm 6. 215x215x215mm 7. 140x215x215mm 8. 100x215x215mm 9. 300x440x215mm 10. 300x300x215mm 11. 215x600x215mm 12. 300x600x215mm



P1	First Issue	Description	02/02/2026	AS	NO
Rev			Date	Drawn	Checked
Revision Schedule					
					
Total Design Consultancy Services inc. 2008 <u>www.gmzconsulting.co.uk</u> info@gmzconsulting.co.uk Tel: 020 8115 0783 Company no. 6718056 VAT no. 940 7838 02					
Client:					
Allison & Eugene Hayes					
Site address:					
92 North Road N6					
Drawing:					
Typical Details					
Drawing reference:					
GMZ-2026-0014-RS-DR-120					
Designed	Drawn	Checked	Approved	A1 Scale As indicated	Date of 1st Issue 02/02/2026
AS	AS	NG	NG		Rev.Nr P1