

- NOTE:
All existing details shown are based on archive drawings and limited opening up works. Assumptions have been made regarding existing construction. Materials, construction, framing and spans of existing slabs and walls to be confirmed by site investigations.

Existing Columns		Existing Timber Beams		
Ref	Type	Ref	Size (mm)	Type
EC	150mm Cast Iron Column	ETB1	406d x 203w	

Ref	Description
E1	Assumed existing ground floor reinforced concrete ground bearing slab, circa 150mm thick. To be confirmed by contractor and engineer informed if observed to be different
E2	63x177mm C16 solid timber joists at MAX 450mm centres. 25mm bitumen wearing surface above 63mm thick double T&G boarding to top face, plaster board ceiling below

	Load bearing brickwork walls. Assumed to be solid masonry throughout with no cavity. Assumed thicknesses are as noted on layout
	Assumed non load bearing timber partitions

Refer to sketch 2909-SK-230405-01 for extent and location of intrusive investigations proposed by engineer to confirm design assumptions. Allowance to be included for these works, along with possible remedial

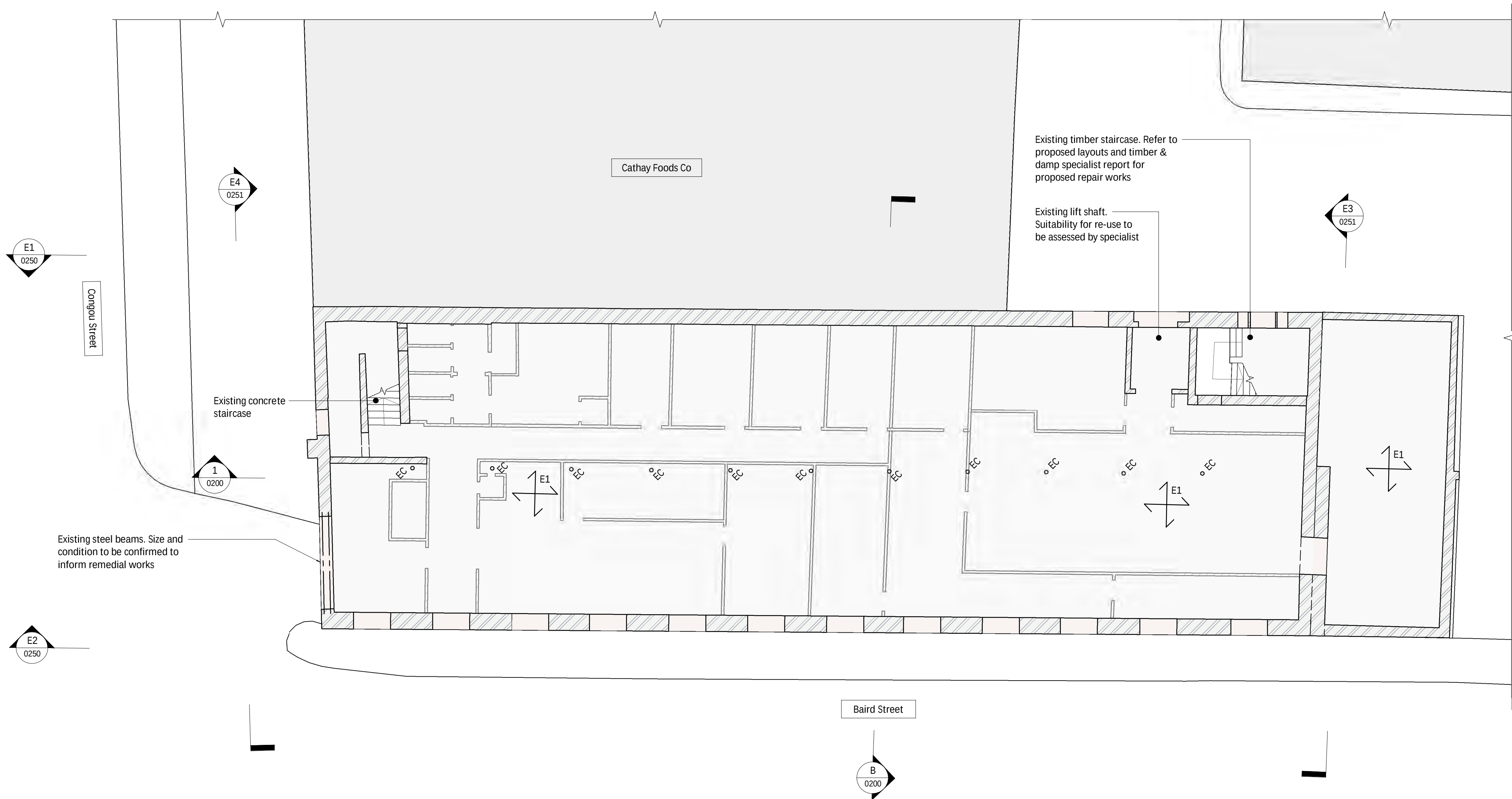
HEYNE
TILLET
STEEL

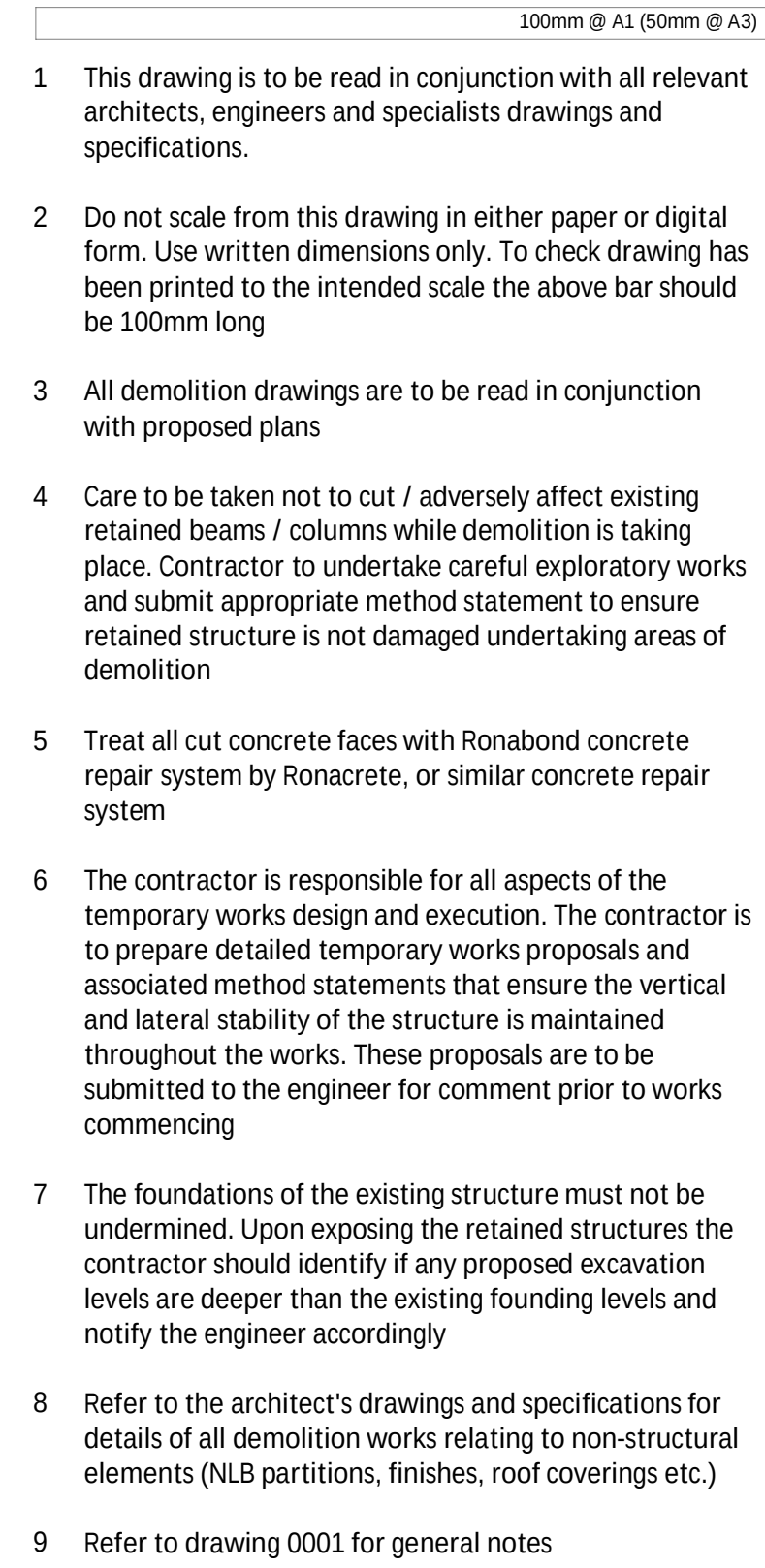
<http://hts.uk.com/>

Drawing Title
Existing
Ground Floor Plan

Org No 2909-HTS-XX-00-DR-S-0100

ITS Job No 2909 Suitability S1 Rev P1





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Demolition legend

	Area of floor to be demolished
	Beam demolished / removed
	Column demolished / removed
	RC / Masonry wall demolished

P1	24.04.23	JMD	SD	Stage 3 Issue
Rev	Date	By	Eng	Amendment

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Job Name
Neptune Mill
Manchester, M1 2WQ

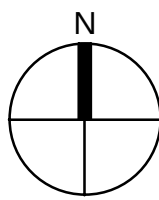
Drawing Title
Demolition
Ground Floor Plan

Purpose of Issue	Stage 3	Scale at A1	1 : 100
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Drq No 2909-HTS-XX-00-DR-S-1100

HTS Job No 2909 Suitability S1 Rev P1

HTS Job No 2909 Suitability S1 Rev **P1**



100mm @ A1 (50mm @ A3)

1. This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
2. Do not scale from this drawing in either paper or digital form. Use written dimensions only. To check drawing has been printed to the intended scale the above bar should be 100mm.
3. Any setting out dimensions shown in red are to be confirmed by the architect. All dimensions are to be checked by the contractor against site dimensions prior to fabrication /commencement of work on site. Beams and columns are to be centred on grid unless noted otherwise. Setting out of steelwork is shown to the centre of symmetric sections and to the back face of PFCs and RSAs.
4. Refer to drawing 0001 for general notes

Proposed Steel Cols		Proposed Steel Beams	
Ref	Type	Ref	Type
B1		B1	UB406x140x46

Proposed Timber Floors		
Ref	Joists	Boarding
T1	200x63 at 450crs	MAX 450mm centres. 24mm thick external grade plywood sheathing to top face Full depth noggins to be included at mid-span

Legend	
	Proposed RC structure
	Proposed Steel Framing
	Red dimension TBC by architect
	PS1 - lg x wd x dp MC padstone
	M Moment connection
	C Crank

Lintel Schedule	
L1	Robslee Type C non-composite precast lintel, or equal approved, achieving MIN 150mm bearing in line with supplier guidance. Quantity to suit wall thickness (TBC onsite)
L2	Robslee Type K9 non-composite precast lintel, or equal approved, achieving MIN 150mm bearing in line with supplier guidance. Quantity to suit wall thickness (TBC onsite)

Refer to drawing 2301 for typical precast lintel detail. Ensure scunions are re-built as indicated to provide adequate support and bearing.

P1	24.04.23	JMD	SD	Stage 3 Issue	
Rev	Date	By	Eng	Amendment	

HEYNE

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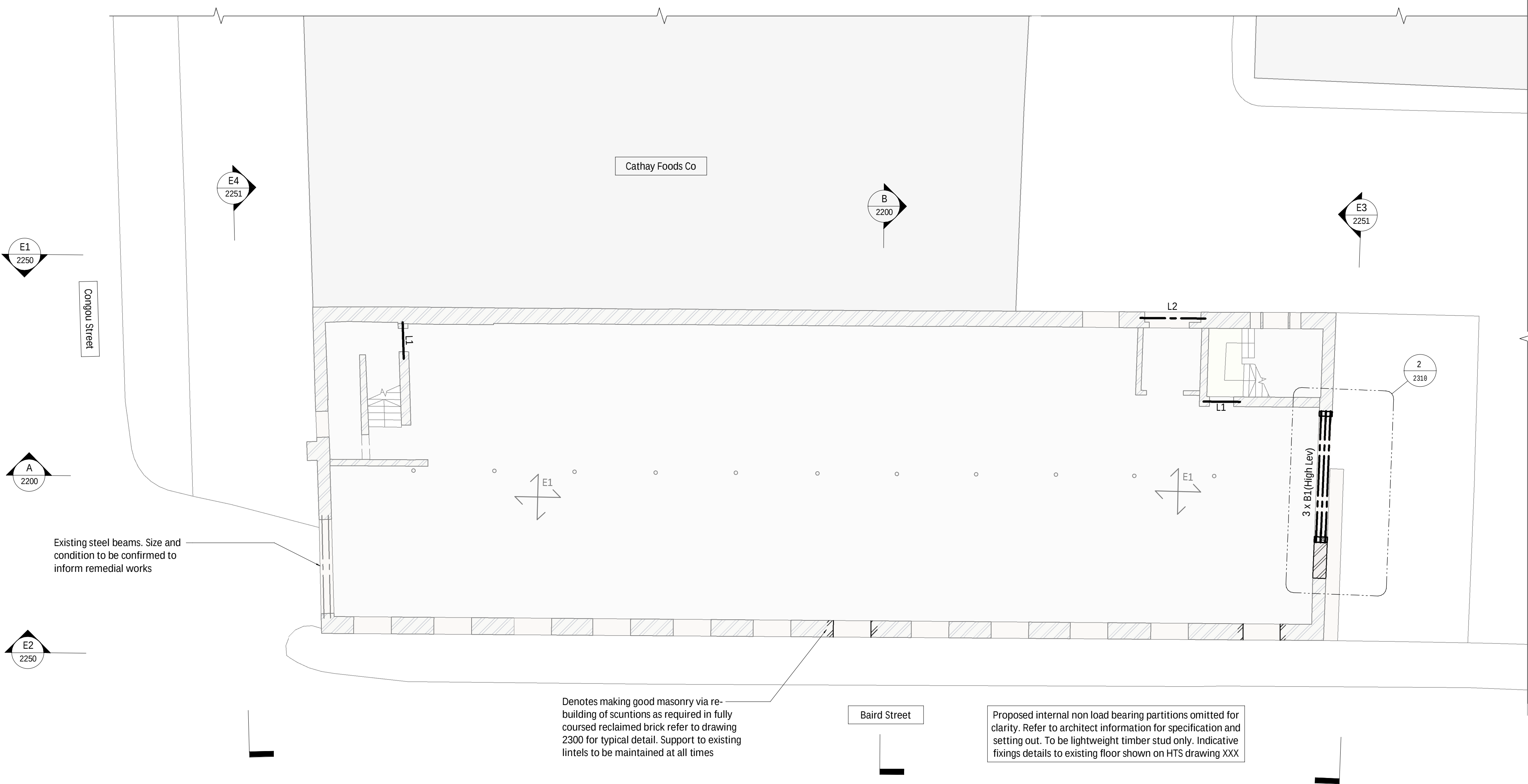
Job Name
Neptune Mill
Manchester, M1 2WQ

Drawing Title
Proposed Ground Floor Plan

Purpose of Issue Stage 3 Scale at A1 1 : 100

Drg No **2909-HTS-XX-00-DR-S-2100**

HTS Job No 2909 Suitability S1 Rev **P1**



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Existing Columns		Existing Timber Beams	
Ref	Type	Ref	Type
EC	150mm Cast Iron Column	ETB1	406d x 203w

Ref	Description
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E2	63x177mm C16 solid timber joists at MAX 450mm centres. 25mm bitumen wearing surface above 63mm thick double T&G boarding to top face, plaster board ceiling below

	Load bearing brickwork walls. Assumed to be solid masonry throughout with no cavity. Assumed thicknesses are as noted on layout
	Assumed non load bearing timber partitions

Refer to sketch 2909-SK-230405-01 for extent and location of intrusive investigations proposed by engineer to confirm design assumptions. Allowance to be included for these works, along with possible remedial

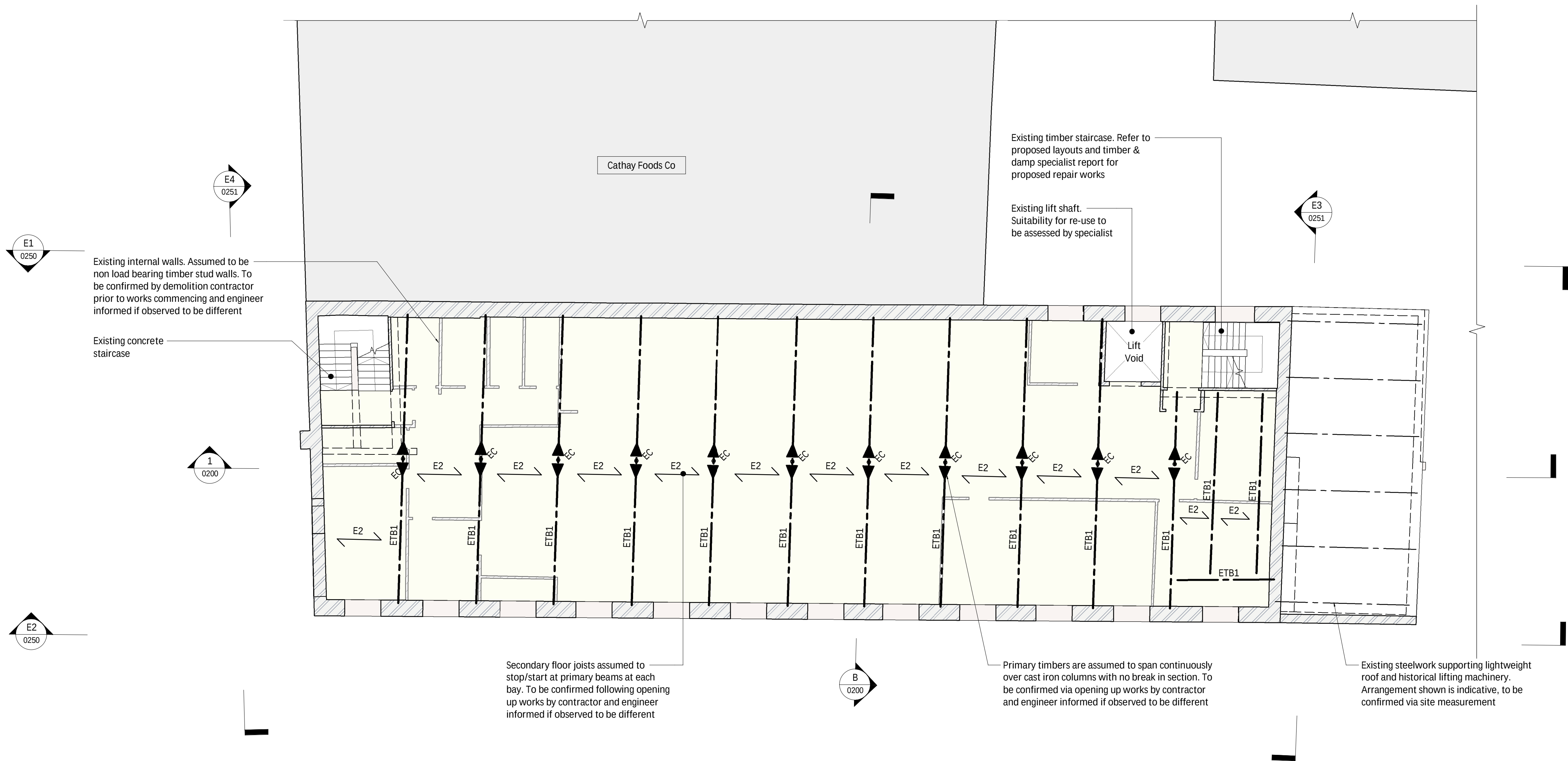
HEYNE
TILLET
STEEL

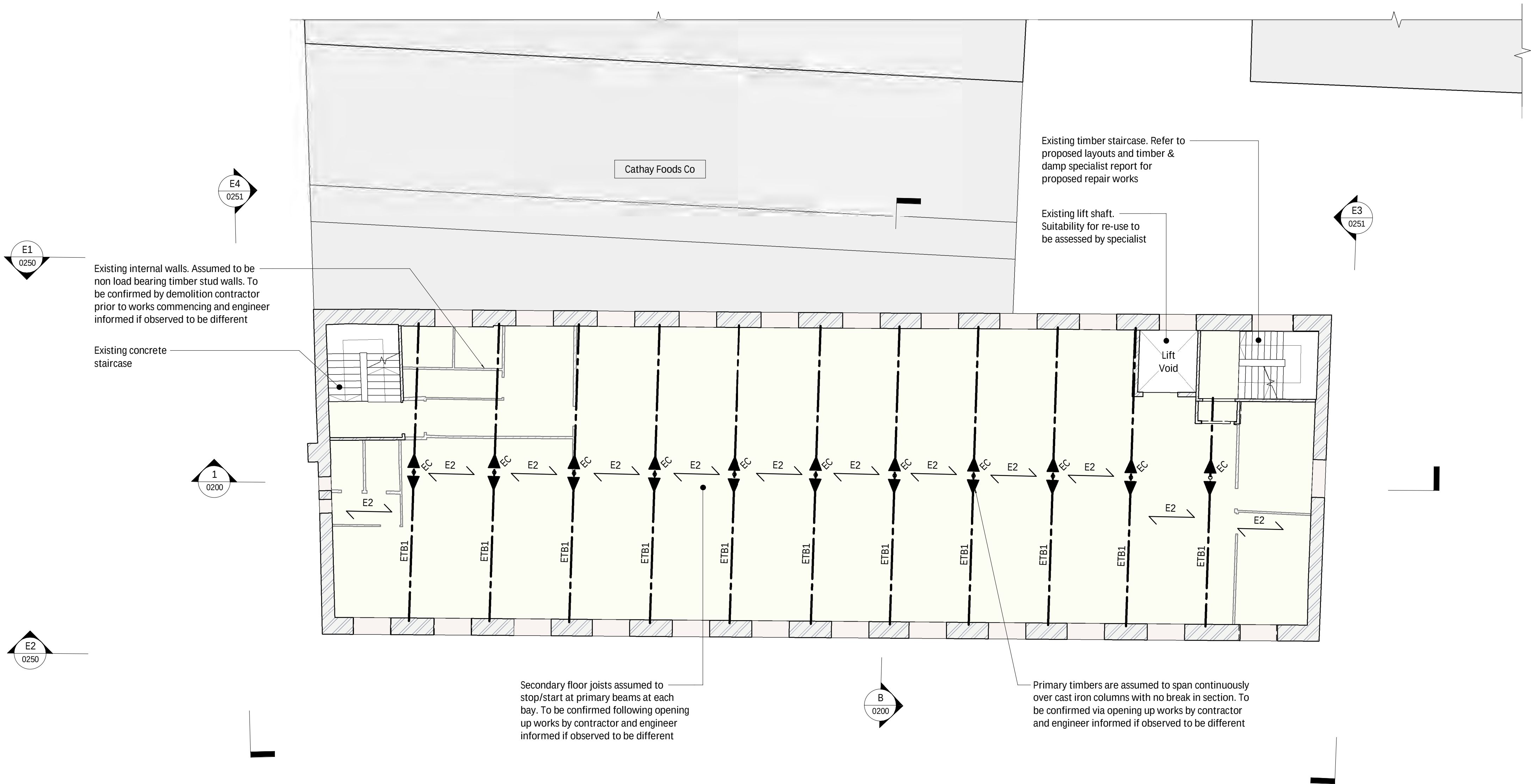
<http://hts.uk.com/>

Drawing Title
Existing
First Floor Plan

Org No 2909-HTS-XX-01-DR-S-0110

ITS Job No 2909 Suitability S1 Rev P1





100mm @ A1 (50mm @ A3)

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Slab levels shown in red have been derived from assumed finishes and are to be confirmed by site investigations.

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Existing floor build up to be confirmed via opening up works by contractor.
Engineer to be informed if observed to be different

Existing legend	
	Load bearing brickwork walls. Assumed to be solid masonry throughout with no cavity. Assumed thicknesses are as noted on layout
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Existing wall types are to be confirmed via opening up works by contractor. Engineer to be informed if observed to be different

Refer to sketch 2909-SK-230405-01 for extent and location of intrusive investigations proposed by engineer to confirm design assumptions. Allowance to be included for these works, along with possible remedial

P1	24.04.23	JMD	SD	Stage 3 Issue	
Rev	Date	By	Eng	Amendment	

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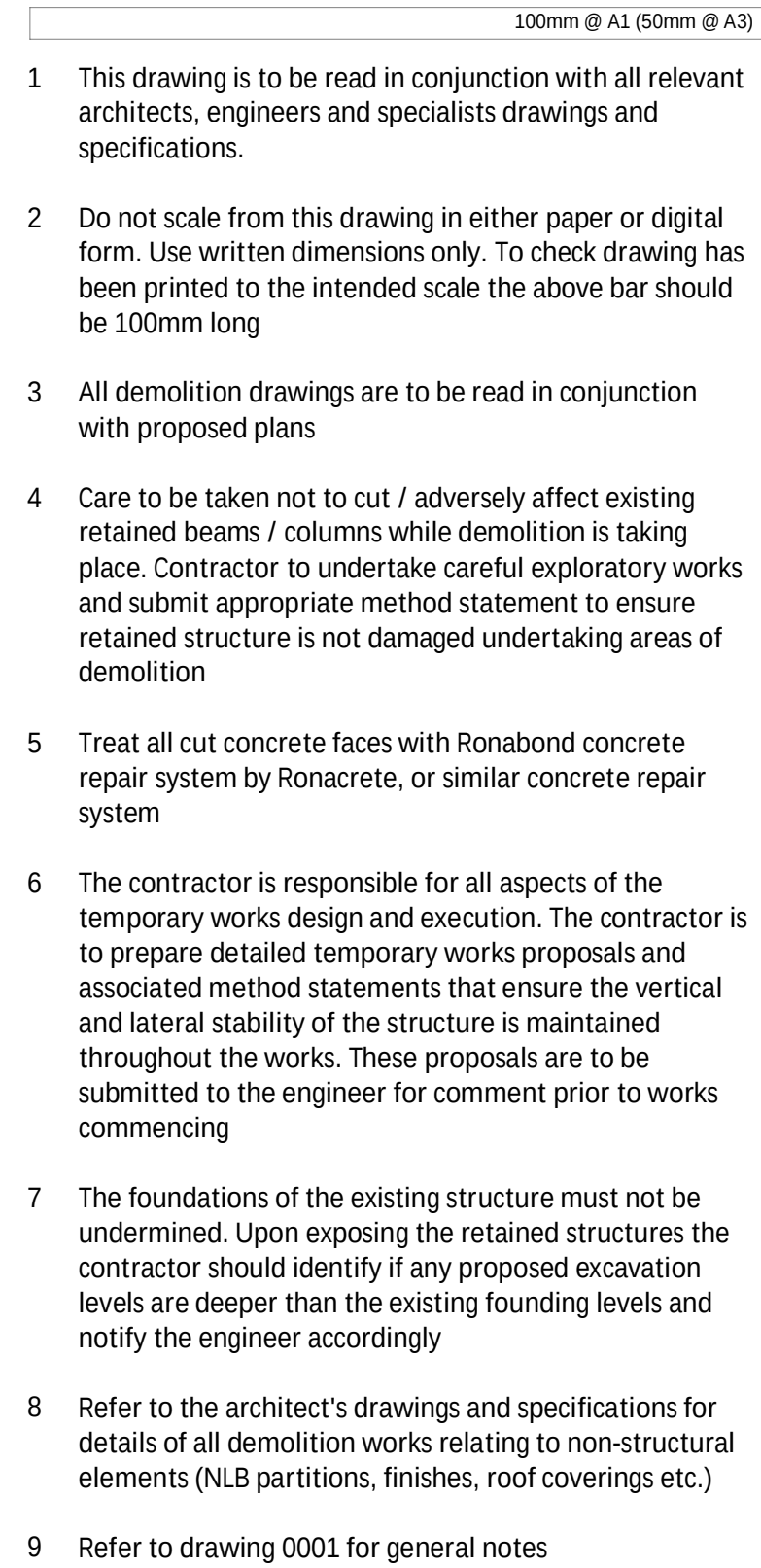
Job Name
Neptune Mill
Manchester, M1 2WQ

Drawing Title
Existing
Second Floor Plan

Purpose of Issue Stage 3 Scale at A1 1 : 100

Drg No **2909-HTS-XX-02-DR-S-0120**

HTS Job No 2909 Suitability S1 Rev **P1**



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Demolition legend

	Area of floor to be demolished
	Beam demolished / removed
	Column demolished / removed
	RC / Masonry wall demolished

P1	24.04.23	JMD	SD	Stage 3 Issue
Rev	Date	By	Ena	Amendment

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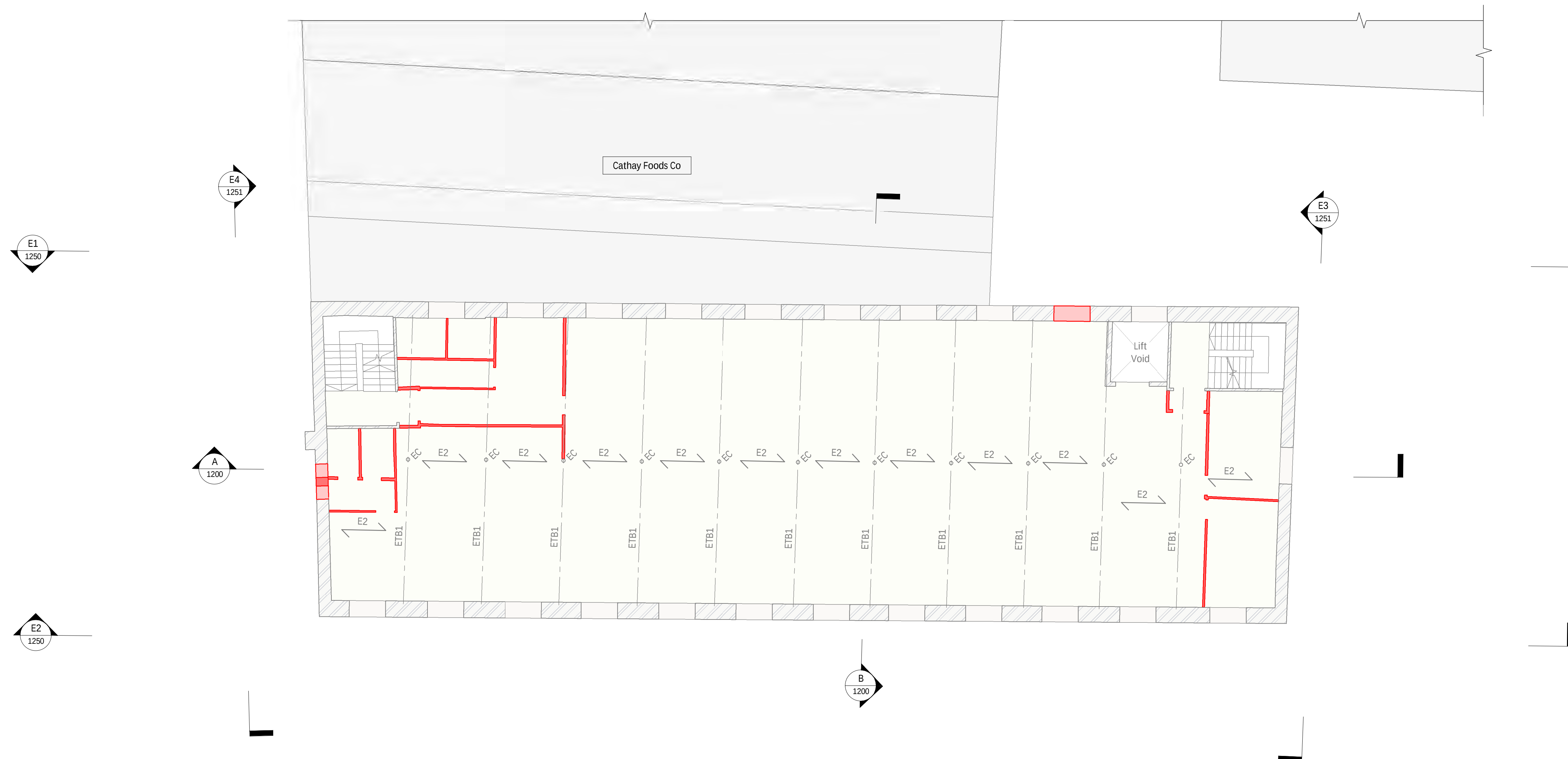
Job Name
Neptune Mill
Manchester, M1 2WQ

Drawing Title
Demolition
Second Floor Plan

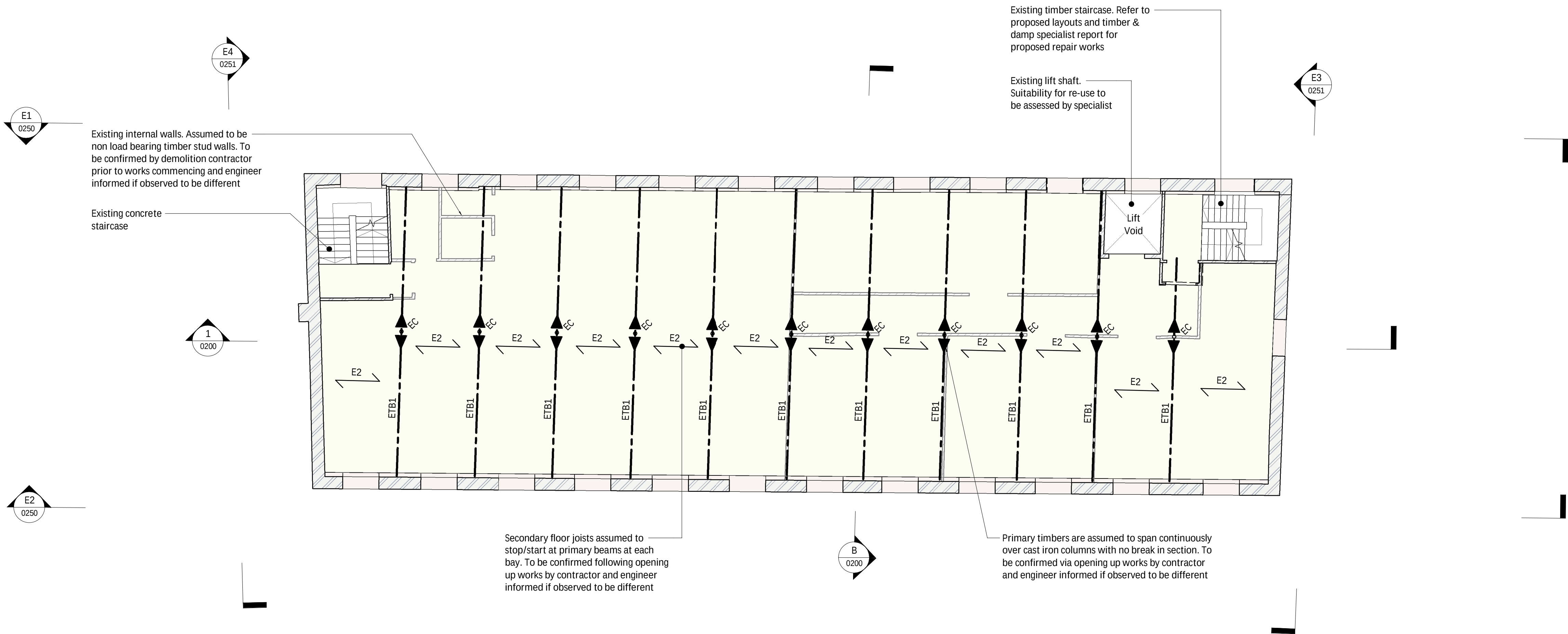
Purpose of Issue	Stage 3	Scale at A1	1 : 100
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Drq No 2909-HTS-XX-02-DR-S-1120

HTS Job No 2909 Suitability S1 Rev P1



Condition of existing external concrete lintels to be assessed once high level access is achieved. Include allowance for local repairs via Fosroc concrete repair products, or for full replacement with lintel type L1 (quantity to suit wall thickness). TBC pending high level inspection



100mm @ A1 (50mm @ A3)

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P1	24.04.23	JMD	SD	Stage 3 Issue	
Rev	Date	By	Eng	Amendment	

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Job Name
Neptune Mill
Manchester, M1 2WQ

Drawing Title
**Existing
Third Floor Plan**

Purpose of Issue Stage 3 Scale at A1 1 : 100

Drg No **2909-HTS-XX-03-DR-S-0130**

HTS Job No 2909 Suitability S1 Rev **P1**

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	Area of floor to be demolished
	Beam demolished / removed
	Column demolished / removed
	RC / Masonry wall demolished

P1	24.04.23	JMD	SD	Stage 3 Issue
Rev	Date	By	Eng	Amendment

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Drawing Title
**Demolition
Floor Plan**

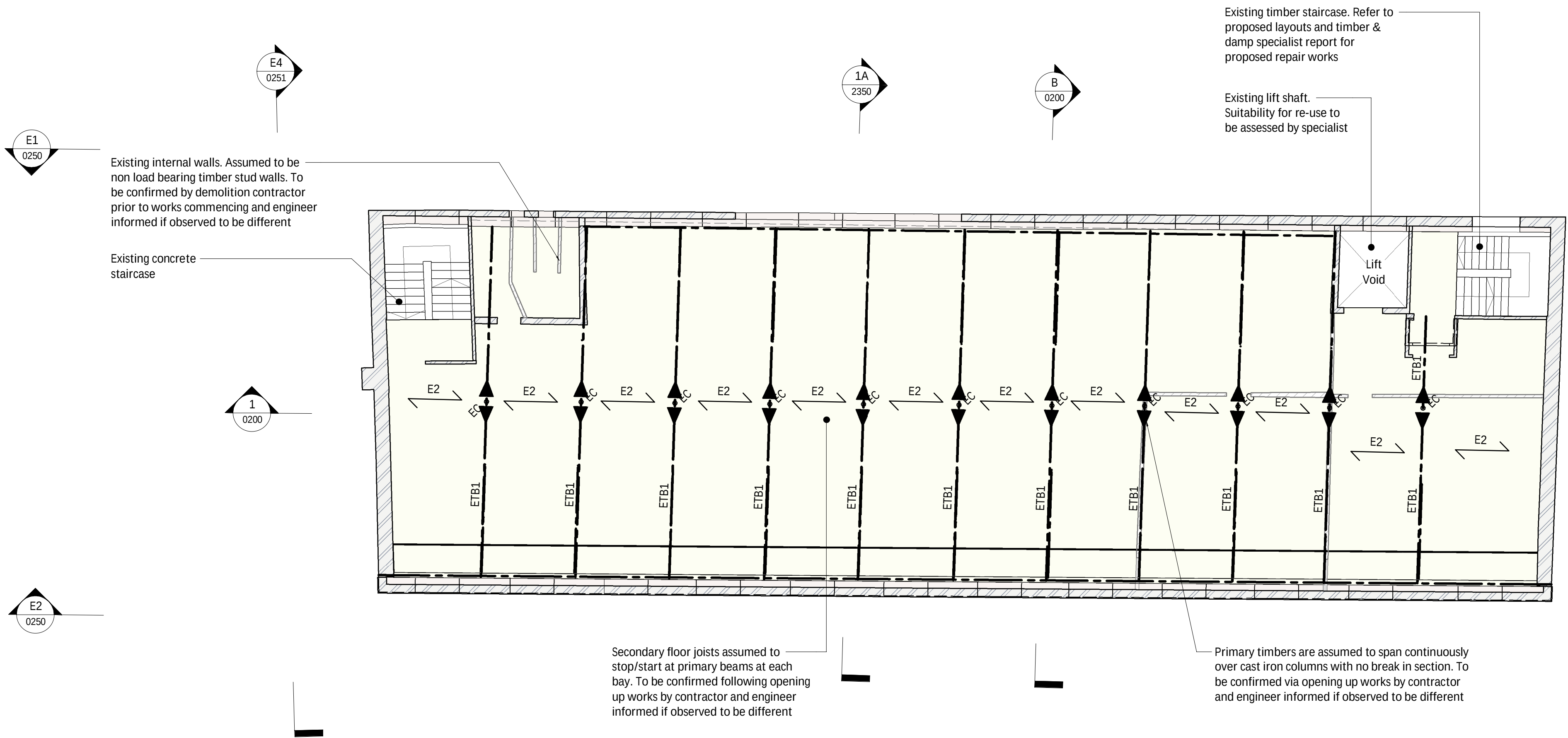
Third

Org No 2909-HTS-XX-03-DR-S-1130

HTS Job No 2909 Suitability S1 Rev P1

P1

Condition of existing external concrete lintels to be assessed once high level access is achieved. Include allowance for local repairs via Fosroc concrete repair products, or for full replacement with lintel type L1 (quantity to suit wall thickness). TBC pending high level inspection



100mm @ A1 (50mm @ A3)

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Existing legend	
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	Assumed non load bearing timber partitions

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Refer to sketch 2909-SK-230405-01 for extent and location of intrusive investigations proposed by engineer to confirm design assumptions. Allowance to be included for these works, along with possible remedial

P1	24.04.23	JMD	SD	Stage 3 Issue	
Rev	Date	By	Eng	Amendment	

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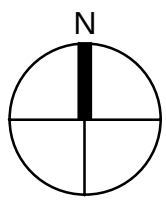
Job Name
Neptune Mill
Manchester, M1 2WQ

Drawing Title
Existing
Fourth Floor Plan

Purpose of Issue Stage 3 Scale at A1 1 : 100

Drg No **2909-HTS-XX-04-DR-S-0140**

HTS Job No 2909 Suitability S1 Rev **P1**



- 100mm @ A1 (50mm @ A3)
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 - 2 Do not scale from this drawing in either paper or digital form. Use written dimensions only. To check drawing has been printed to the intended scale the above bar should be 100mm long
 - 3 All demolition drawings are to be read in conjunction with proposed plans
 - 4 Care to be taken not to cut / adversely affect existing retained beams / columns while demolition is taking place. Contractor to undertake careful exploratory works and submit appropriate method statement to ensure retained structure is not damaged undertaking areas of demolition
 - 5 Treat all cut concrete faces with Ronabond concrete repair system by Ronacrete, or similar concrete repair system
 - 6 The contractor is responsible for all aspects of the temporary works design and execution. The contractor is to prepare detailed temporary works proposals and associated method statements that ensure the vertical and lateral stability of the structure is maintained throughout the works. These proposals are to be submitted to the engineer for comment prior to works commencing
 - 7 The foundations of the existing structure must not be undermined. Upon exposing the retained structures the contractor should identify if any proposed excavation levels are deeper than the existing founding levels and notify the engineer accordingly
 - 8 Refer to the architect's drawings and specifications for details of all demolition works relating to non-structural elements (NLB partitions, finishes, roof coverings etc.)
 - 9 Refer to drawing 0001 for general notes

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Demolition legend

	Area of floor to be demolished
	Beam demolished / removed
	Column demolished / removed
	RC / Masonry wall demolished

P1	24.04.23	JMD	SD	Stage 3 Issue	
Rev	Date	By	Eng	Amendment	

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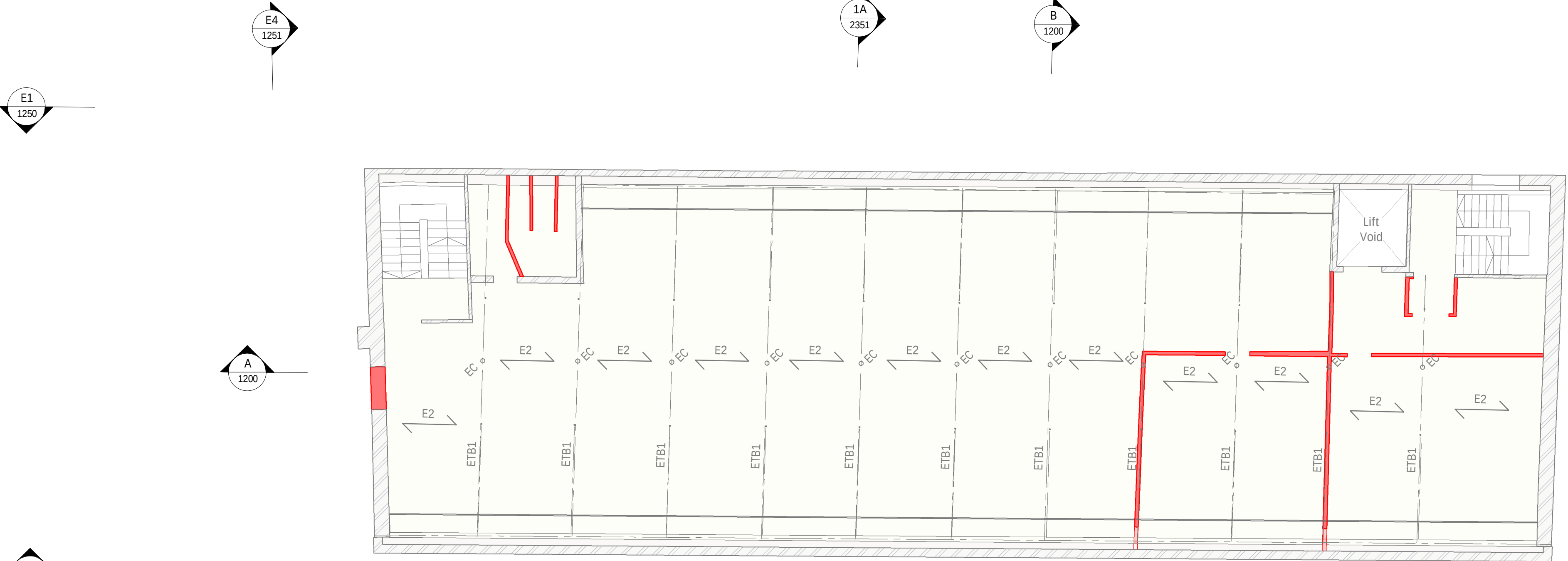
Job Name
Neptune Mill
Manchester, M1 2WQ

Drawing Title
Demolition
Fourth Floor Plan

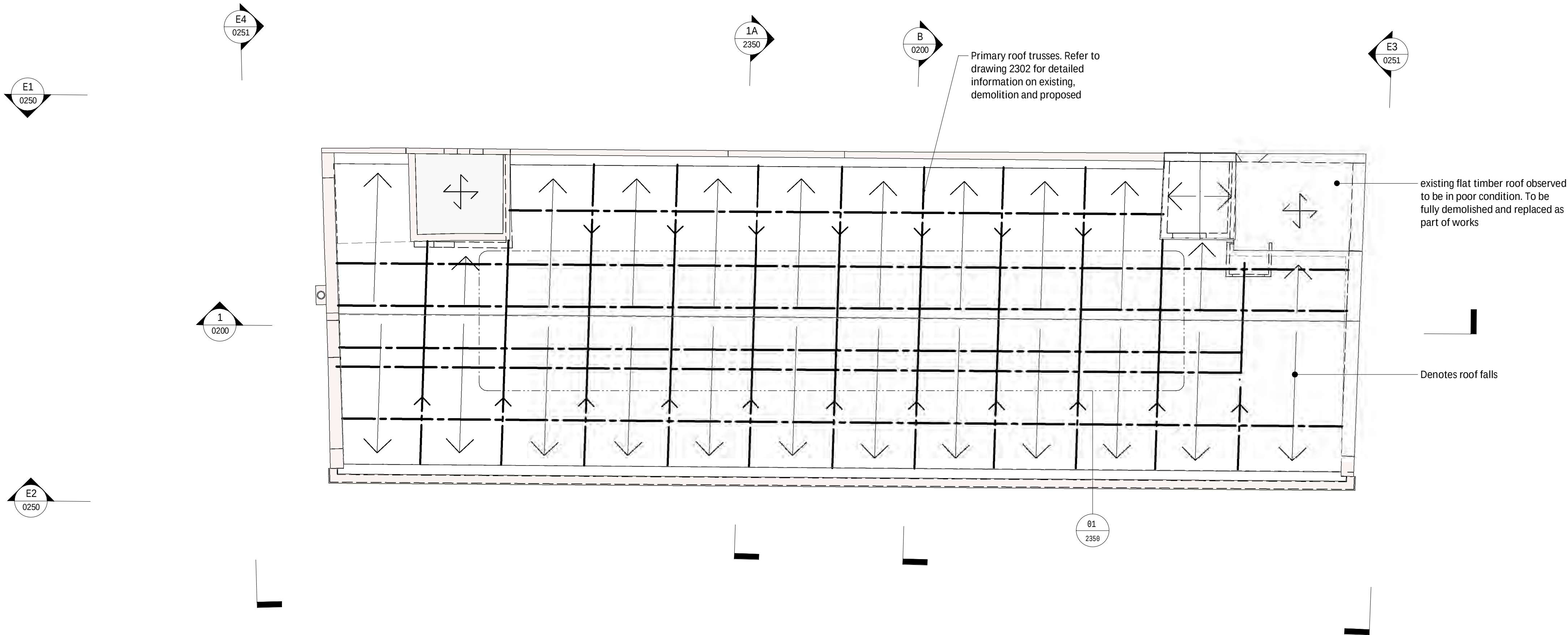
Purpose of Issue Stage 3 Scale at A1 1 : 100

Drg No 2909-HTS-XX-04-DR-S-1140

HTS Job No 2909 Suitability S1 Rev P1



Condition of existing external concrete lintels to be assessed once high level access is achieved. Include allowance for local repairs via Fosroc concrete repair products, or for full replacement with lintel type L1 (quantity to suit wall thickness). TBC pending high level inspection



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Existing Columns			Existing Timber Beams		
Ref	Type		Ref	Size (mm)	Type
EC	150mm Cast Iron Column		ETB1	406d x 203w	

Existing Floors	
Ref	Description
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Existing floor build up to be confirmed via opening up works by contractor.
Engineer to be informed if observed to be different

Existing legend	
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P1	24.04.23	JMD	SD	Stage 3 Issue	
Rev	Date	By	Eng	Amendment	

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Job Name
Neptune Mill
Manchester, M1 2WQ

Drawing Title
Existing
Roof Floor Plan

Purpose of Issue Stage 3 Scale at A1 1 : 100

Drg No **2909-HTS-XX-05-DR-S-0150**

HTS Job No 2909 Suitability S1 Rev **P1**

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	Area of floor to be demolished
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	Column demolished / removed
	RC / Masonry wall demolished

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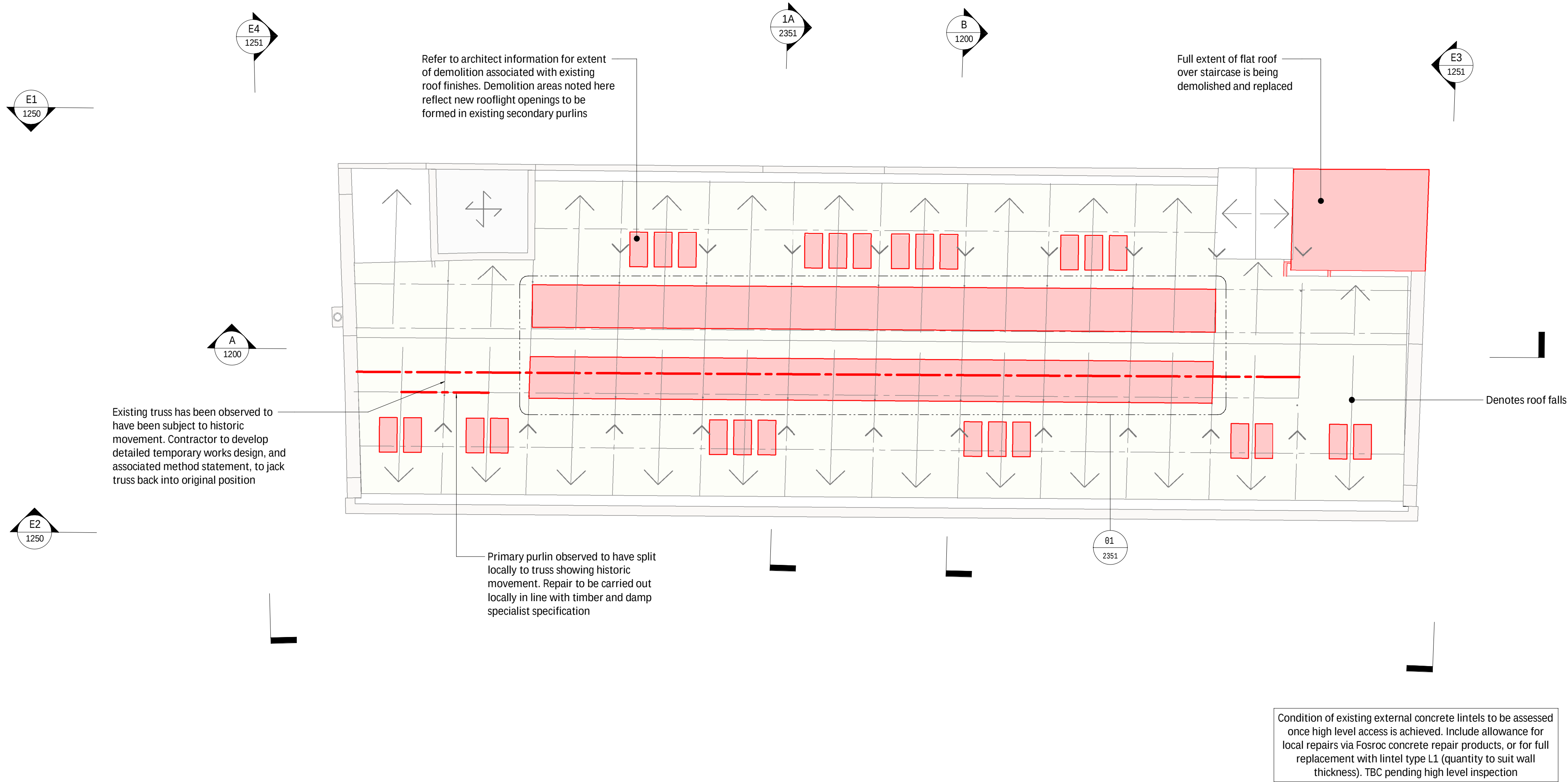
<http://hts.uk.com>

Drawing Title

Demolition	Roof
Floor Plan	

Drg No 2909-HTS-XX-05-DR-S-1150

HTS Job No 2909 Suitability S1 Rev P1





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P1	24.04.23	JMD	SD	Stage 3 Issue	
Rev	Date	By	Eng	Amendment	

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Job Name
Neptune Mill
Manchester, M1 2WQ

Drawing Title
Existing Isometric Site
View

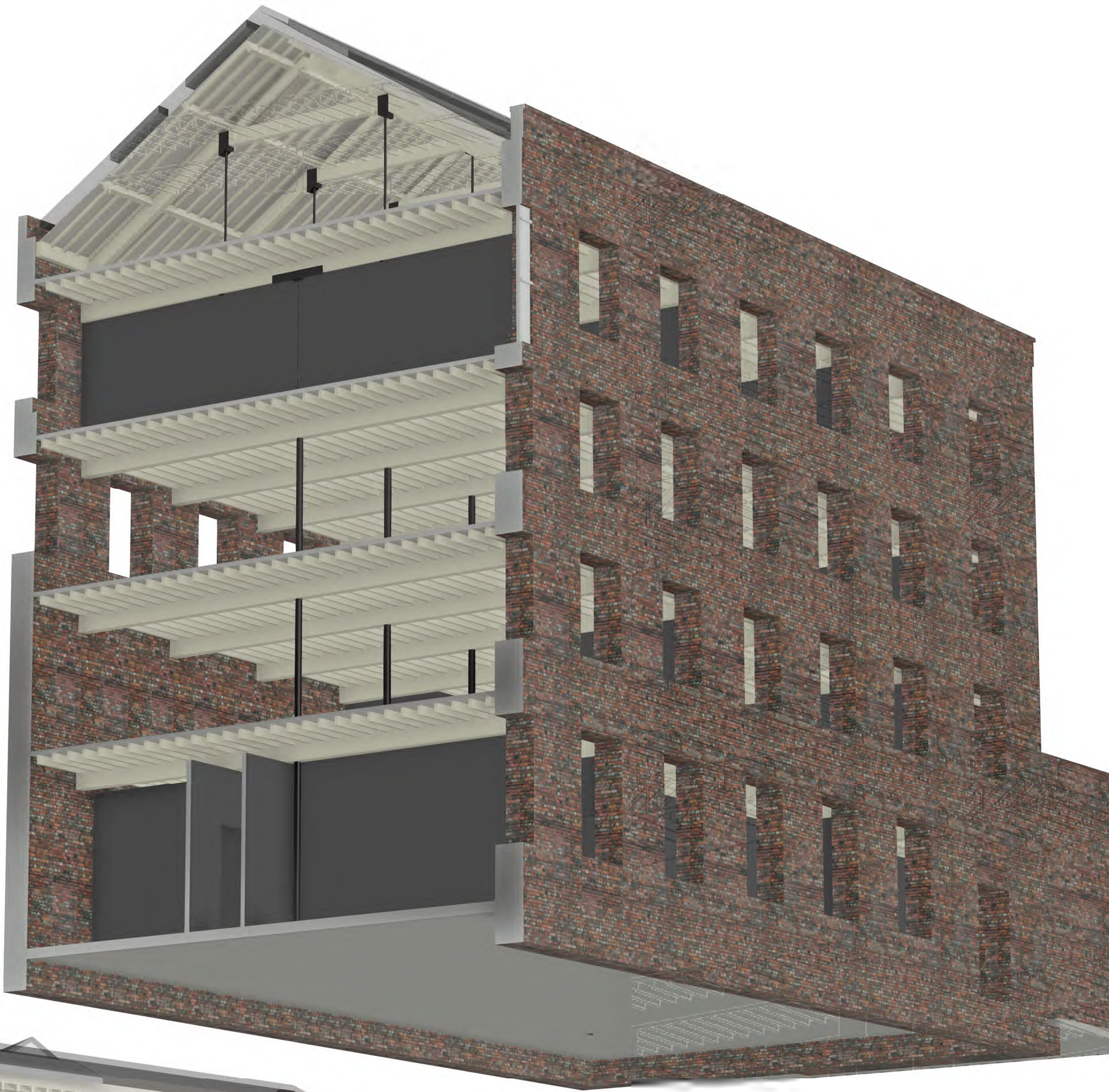
Purpose of Issue Stage 3 Scale at A1

Drg No 2909-HTS-XX-XX-DR-S-0002

HTS Job No 2909 Suitability Rev P1



Isometric Section 01



Isometric Section 02

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P1	24.04.23	JMD	SD	Stage 3 Issue	
Rev	Date	By	Eng	Amendment	

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Job Name
Neptune Mill
Manchester, M1 2WQ

Drawing Title
Existing Isometric
Sections

Purpose of Issue Stage 3 Scale at A1

Drg No 2909-HTS-XX-XX-DR-S-0003

HTS Job No 2909 Suitability Rev P1



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Drawing Title
Existing Isometric Floor
Plates

Org No 2909-HTS-XX-XX-DR-S-0004

ITS Job No 2909 Suitability Rev P1

Slab levels shown in red have been derived from assumed finishes and are to be confirmed by site investigations.

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P1 Rev	24.04.23 Date	JMD By	SD Eng	Stage 3 Issue Amendment

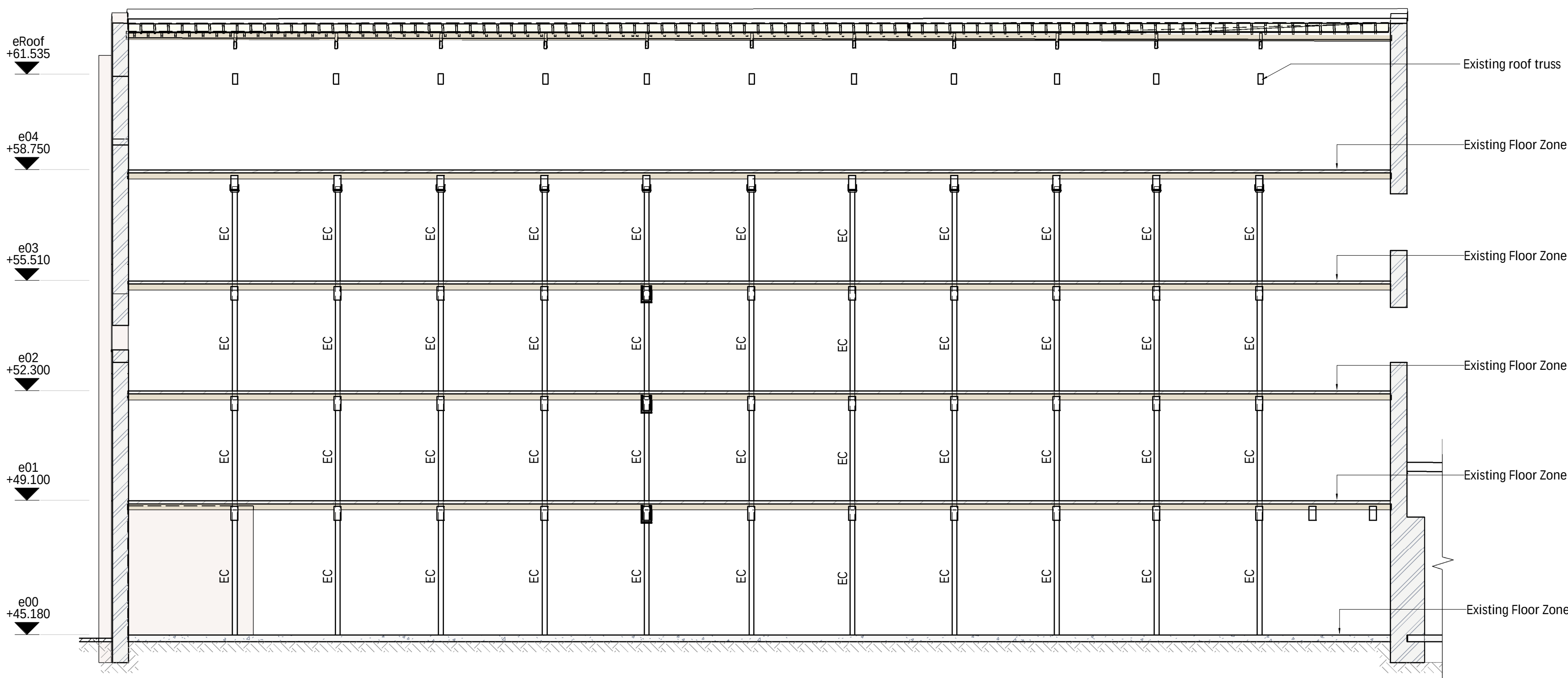
HEYNE
TILLET
STEEL

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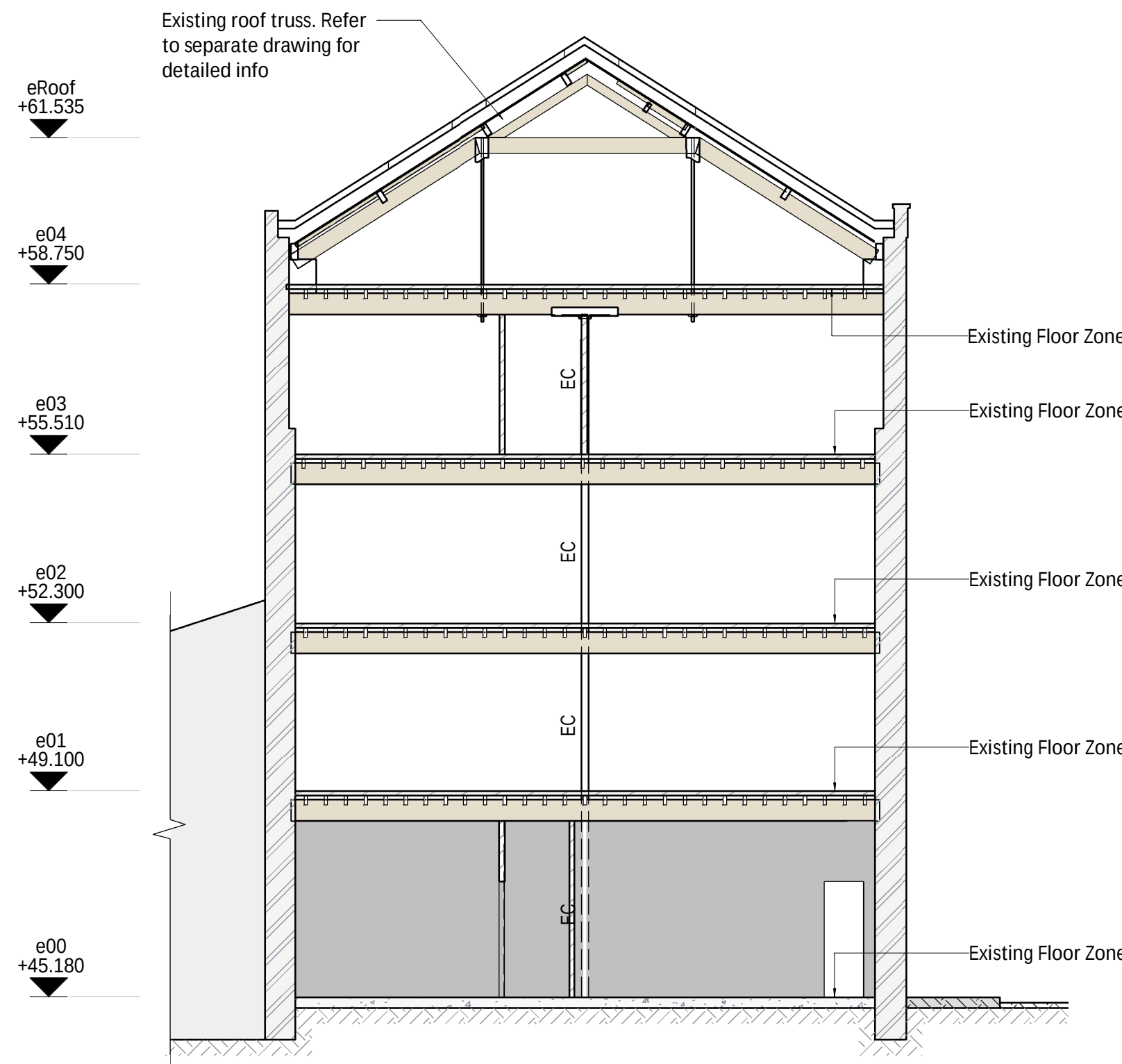
<http://hts.uk.com>

Existing Long Sections

ITS Job No 2909 Suitability Rev P1



1 : 100



1 : 100

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Existing legenc

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P1	24.04.23	JMD	SD	Stage 3 Issue
Rev	Date	By	Eng	Amendment

Job Name
Neptune Mill
Manchester, M1 2WQ

Purpose of Issue	Stage 3	Scale at A1	1 : 10
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Org No 2909-HTS-XX-XX-DR-S-0250

ITS Job No 2909 Suitability Rev P1



1 : 100



1 : 100

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- 3 Refer to drawing 0001 for general notes

NOTE:
All existing details shown are based on archive drawings and limited opening up works. Assumptions have been made regarding existing construction. Materials, construction, framing and spans of existing slabs and walls to be confirmed by site investigations.

Slab levels shown in red have been derived from assumed finishes and are to be confirmed by site investigations.

Existing Columns

Ref	Type
EC	150mm Cast Iron Column

Existing Timber Beams

Ref	Size (mm)	Type
ETB1	406d x 203w	

Existing Floors

Ref	Description
E1	Assumed existing ground floor reinforced concrete ground bearing slab, circa 150mm thick. To be confirmed by contractor and engineer informed if observed to be different
E2	63x177mm C16 solid timber joists at MAX 450mm centres. 25mm bitumen wearing surface above 63mm thick double T&G boarding to top face, plaster board ceiling below

Existing floor build up to be confirmed via opening up works by contractor.
Engineer to be informed if observed to be different

Existing legend

	Load bearing brickwork walls. Assumed to be solid masonry throughout with no cavity. Assumed thicknesses are as noted on layout
	Assumed non load bearing timber partitions

Existing wall types are to be confirmed via opening up works by contractor. Engineer to be informed if observed to be different

Refer to sketch 2909-SK-230405-01 for extent and location of intrusive investigations proposed by engineer to confirm design assumptions. Allowance to be included for these works, along with possible remedial

P1	24.04.23	JMD	SD	Stage 3 Issue	
Rev	Date	By	Eng	Amendment	

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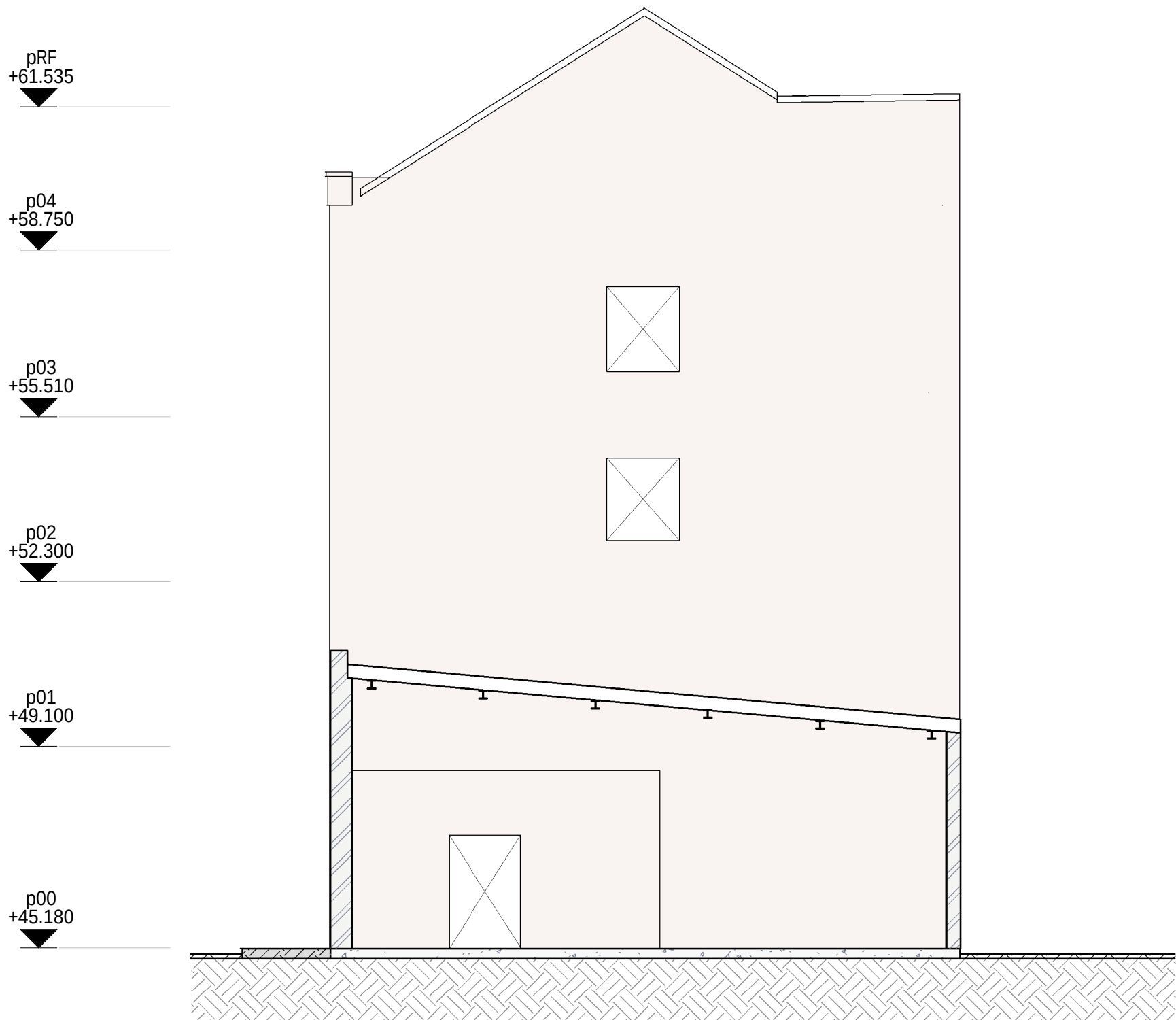
Job Name
Neptune Mill
Manchester, M1 2WQ

Drawing Title
Existing Elevations - Sheet 2

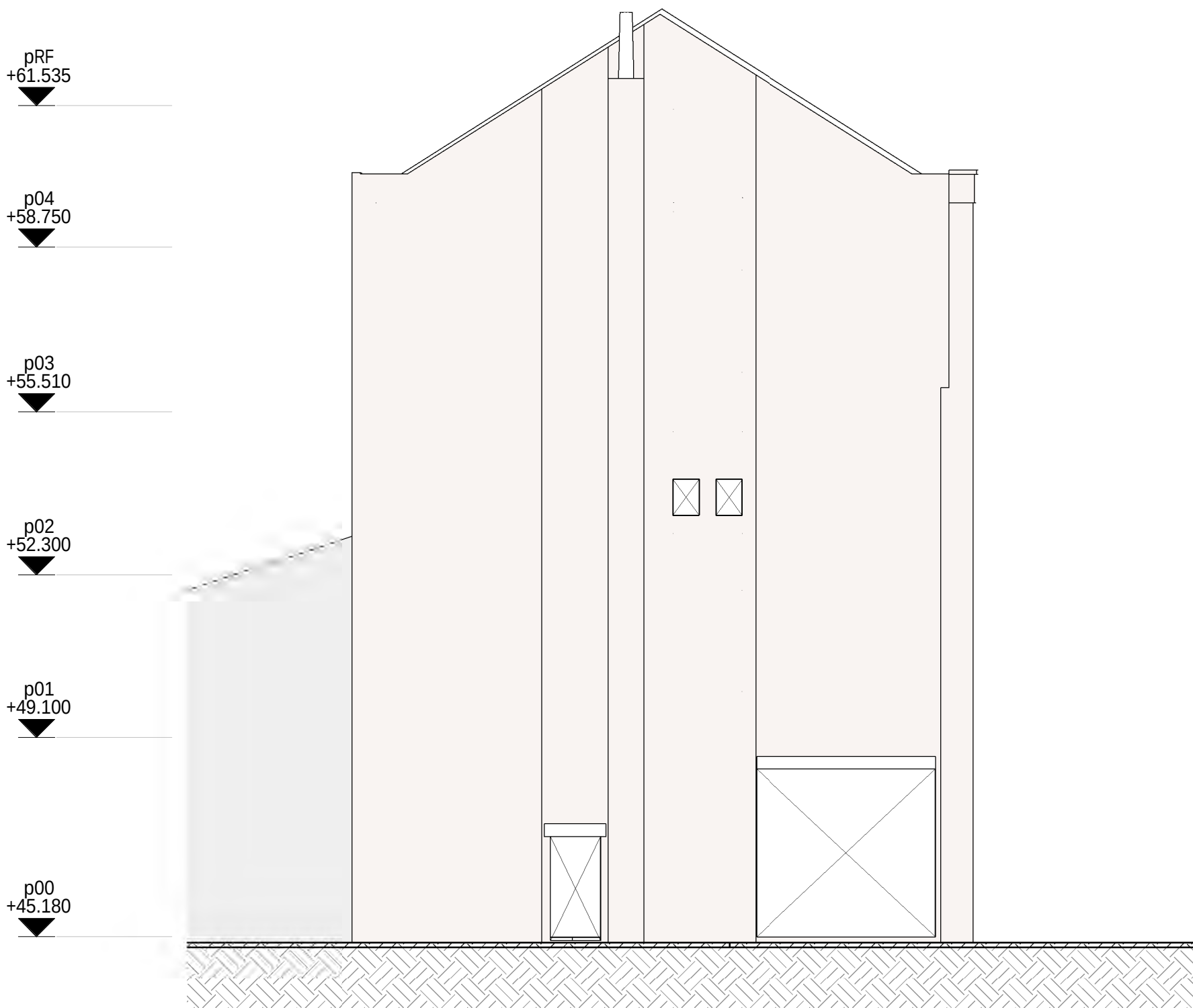
Purpose of Issue Stage 3 Scale at A1 1 : 100

Drg No **2909-HTS-XX-XX-DR-S-0251**

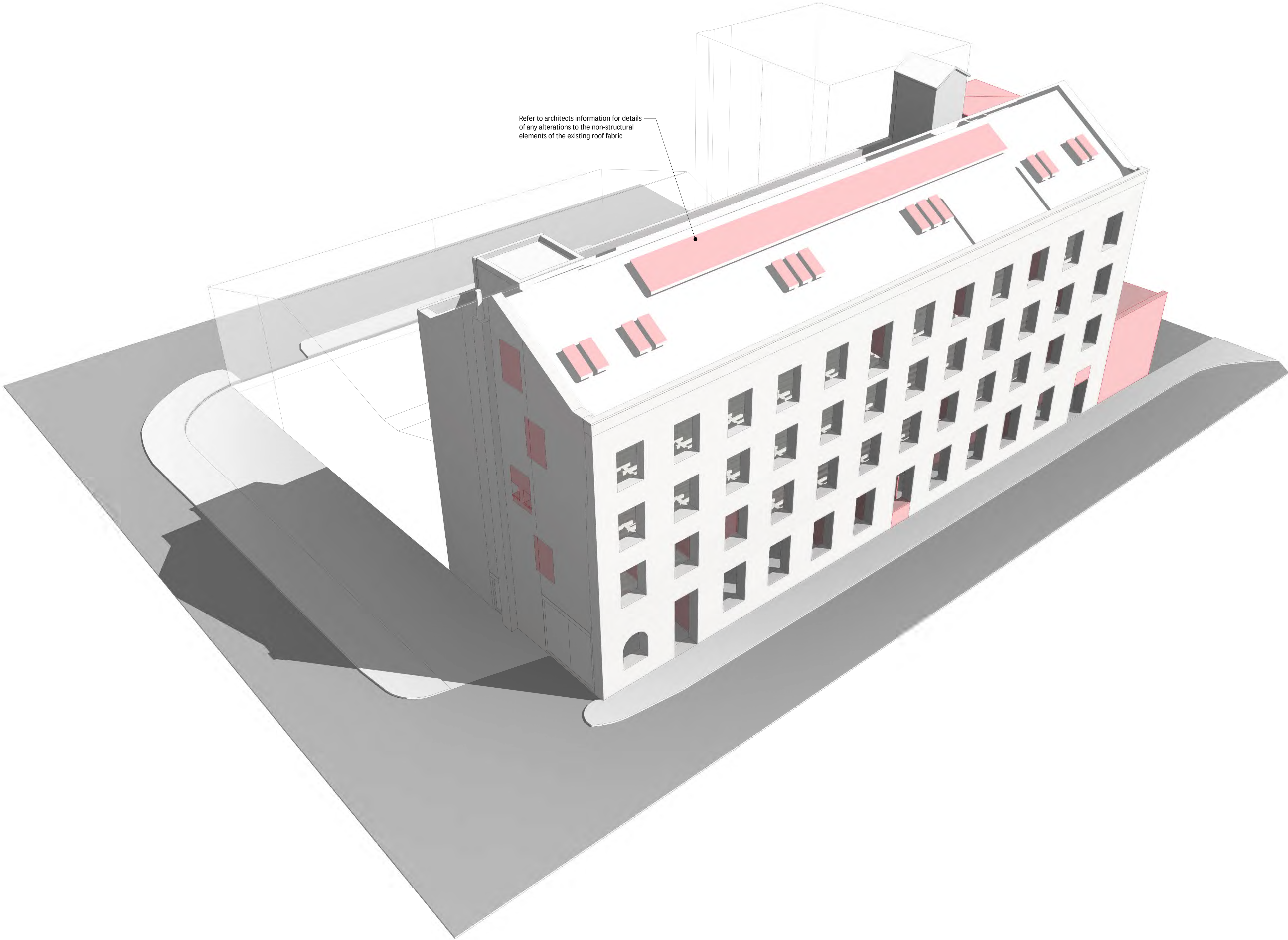
HTS Job No 2909 Suitability Rev **P1**



East Elevation - E3
1 : 100



West Elevation - E4
1 : 100



Refer to architects information for details of any alterations to the non-structural elements of the existing roof fabric

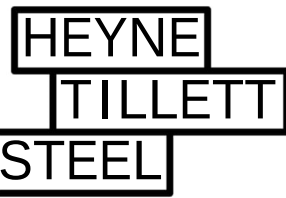
- 100mm @ A1 (50mm @ A3)
- 1 This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
 - 2 Do not scale from this drawing in either paper or digital form. Use written dimensions only. To check drawing has been printed to the intended scale the above bar should be 100mm long
 - 3 All demolition drawings are to be read in conjunction with proposed plans
 - 4 Care to be taken not to cut / adversely affect existing retained beams / columns while demolition is taking place. Contractor to undertake careful exploratory works and submit appropriate method statement to ensure retained structure is not damaged undertaking areas of demolition
 - 5 Treat all cut concrete faces with Ronabond concrete repair system by Ronacrete, or similar concrete repair system
 - 6 The contractor is responsible for all aspects of the temporary works design and execution. The contractor is to prepare detailed temporary works proposals and associated method statements that ensure the vertical and lateral stability of the structure is maintained throughout the works. These proposals are to be submitted to the engineer for comment prior to works commencing
 - 7 The foundations of the existing structure must not be undermined. Upon exposing the retained structures the contractor should identify if any proposed excavation levels are deeper than the existing founding levels and notify the engineer accordingly
 - 8 Refer to the architect's drawings and specifications for details of all demolition works relating to non-structural elements (NLB partitions, finishes, roof coverings etc.)
 - 9 Refer to drawing 0001 for general notes

The existing structural information shown on these drawings is based on visual inspection of the building, limited opening up works and relevant archive information. All details of the existing construction are subject to confirmation by the Contractor during the works on site. No materials are to be ordered until the relevant details and conditions are confirmed by the Contractor on site. Should the contractor discover any discrepancies between the assumed existing structure and what is found on site they should notify the engineer immediately, and await further instruction

Demolition legend

	Area of floor to be demolished
	Beam demolished / removed
	Column demolished / removed
	RC / Masonry wall demolished

P1	24.04.23	JMD	SD	Stage 3 Issue	
Rev	Date	By	Eng	Amendment	



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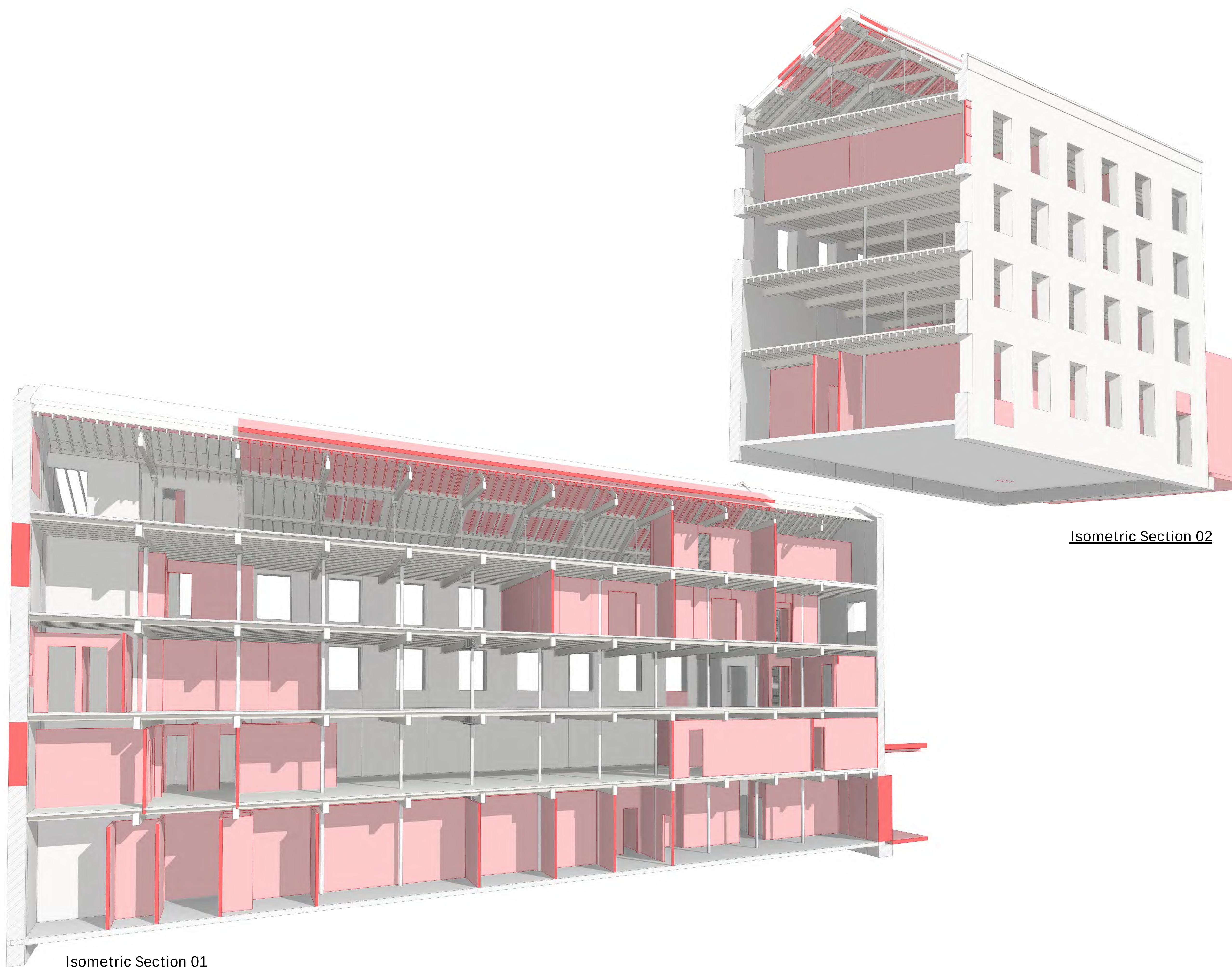
Job Name
Neptune Mill
Manchester, M1 2WQ

Drawing Title
Demolition Isometric Site View

Purpose of Issue Stage 3 Scale at A1

Drg No **2909-HTS-XX-XX-DR-S-1002**

HTS Job No 2909 Suitability Rev **P1**



Isometric Section 02

Isometric Section 01

100mm @ A1 (50mm @ A3)

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Demolition legend

	Area of floor to be demolished
	Beam demolished / removed
	Column demolished / removed
	RC / Masonry wall demolished

P1	24.04.23	JMD	SD	Stage 3 Issue
Rev	Date	Bv	Eno	Amendment

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Job Name
Neptune Mill
Manchester, M1 2WQ

Drawing Title

Demolition Isometric

Sections

Purpose of Issue	Stage 3	Scale at A1
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Drg No 2909-HTS-XX-XX-DR-S-1003

HTS Job No 2909 Suitability Rev P1



- The existing structural information shown on these drawings is based on visual inspection of the building, limited opening up works and relevant archive information. All details of the existing construction are subject to confirmation by the Contractor during the works on site. No materials are to be ordered until the relevant details and conditions are confirmed by the Contractor on site. Should the contractor discover any discrepancies between the assumed existing structure and what is found on site they should notify the engineer immediately, and await further instruction

	Area of floor to be demolished
	Beam demolished / removed
	Column demolished / removed
	RC / Masonry wall demolished

P1	24.04.23	JMD	SD	Stage 3 Issue
Rev	Date	By	Eng	Amendment

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Job Name
Neptune Mill
Manchester, M1 2WQ

Drawing Title
Demolition Elevations -
Sheet 1

Purpose of Issue	Stage 3	Scale at A1	1 : 100
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Drq No 2909-HTS-XX-XX-DR-S-1250

HTS Job No 2909 Suitability Rev P1

- 1 This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
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- 7 The foundations of the existing structure must not be undermined. Upon exposing the retained structures the contractor should identify if any proposed excavation levels are deeper than the existing founding levels and notify the engineer accordingly
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Demolition legend

	Area of floor to be demolished
	Beam demolished / removed
	Column demolished / removed
	RC / Masonry wall demolished

P1	24.04.23	JMD	SD	Stage 3 Issue	
Rev	Date	By	Eng	Amendment	

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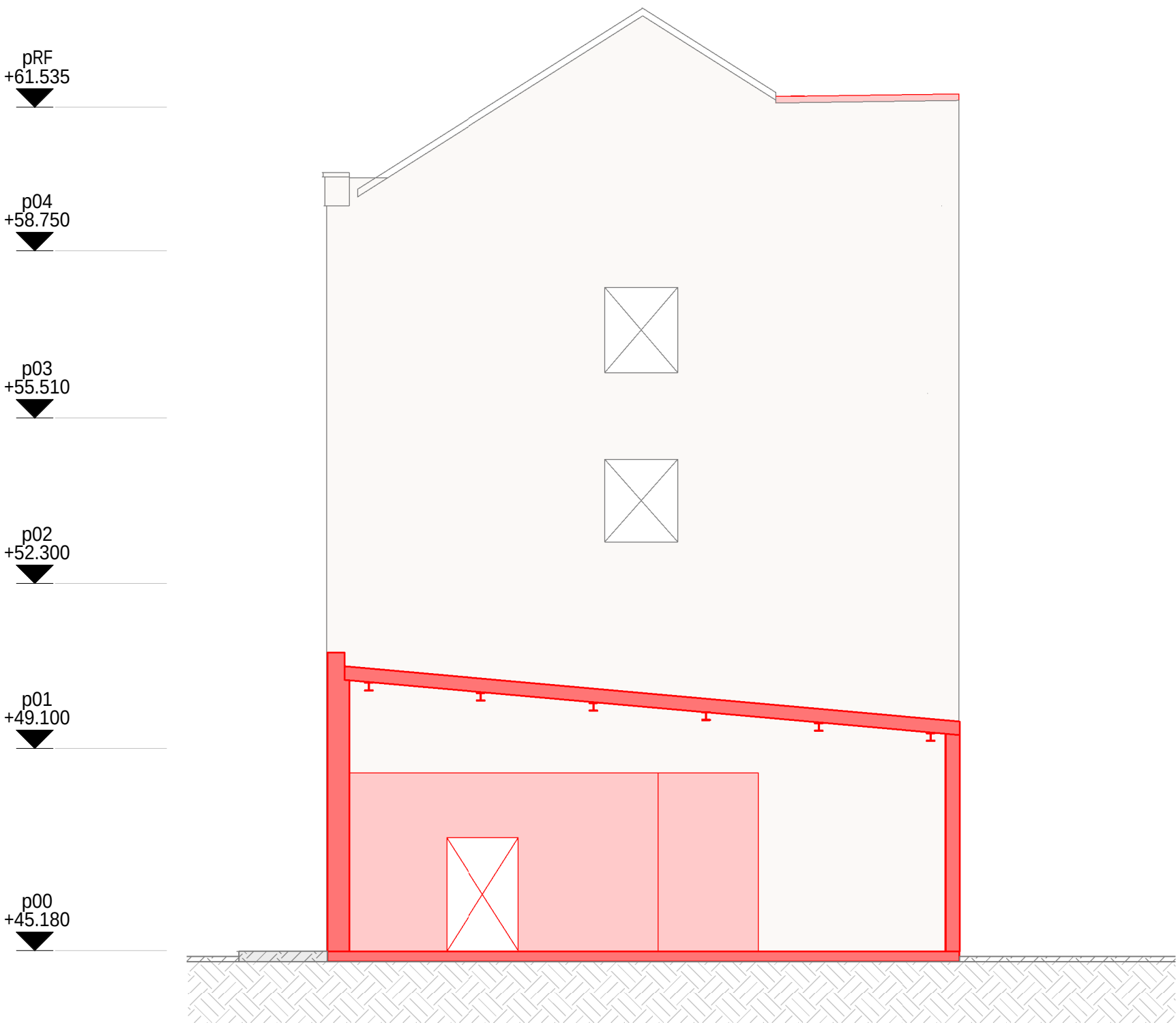
Job Name
Neptune Mill
Manchester, M1 2WQ

Drawing Title
**Demolition Elevations -
Sheet 2**

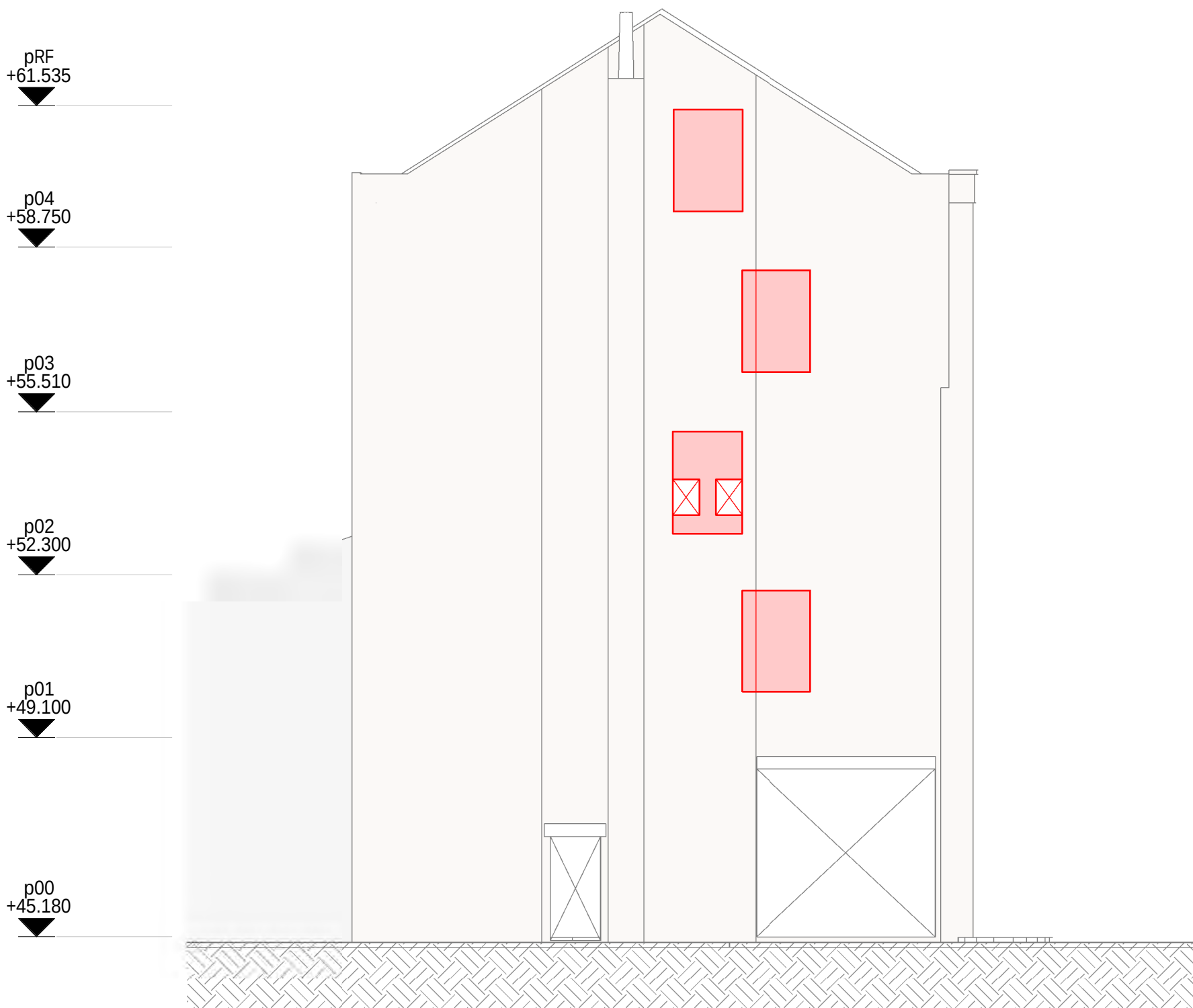
Purpose of Issue Stage 3 Scale at A1 1 : 100

Drg No **2909-HTS-XX-XX-DR-S-1251**

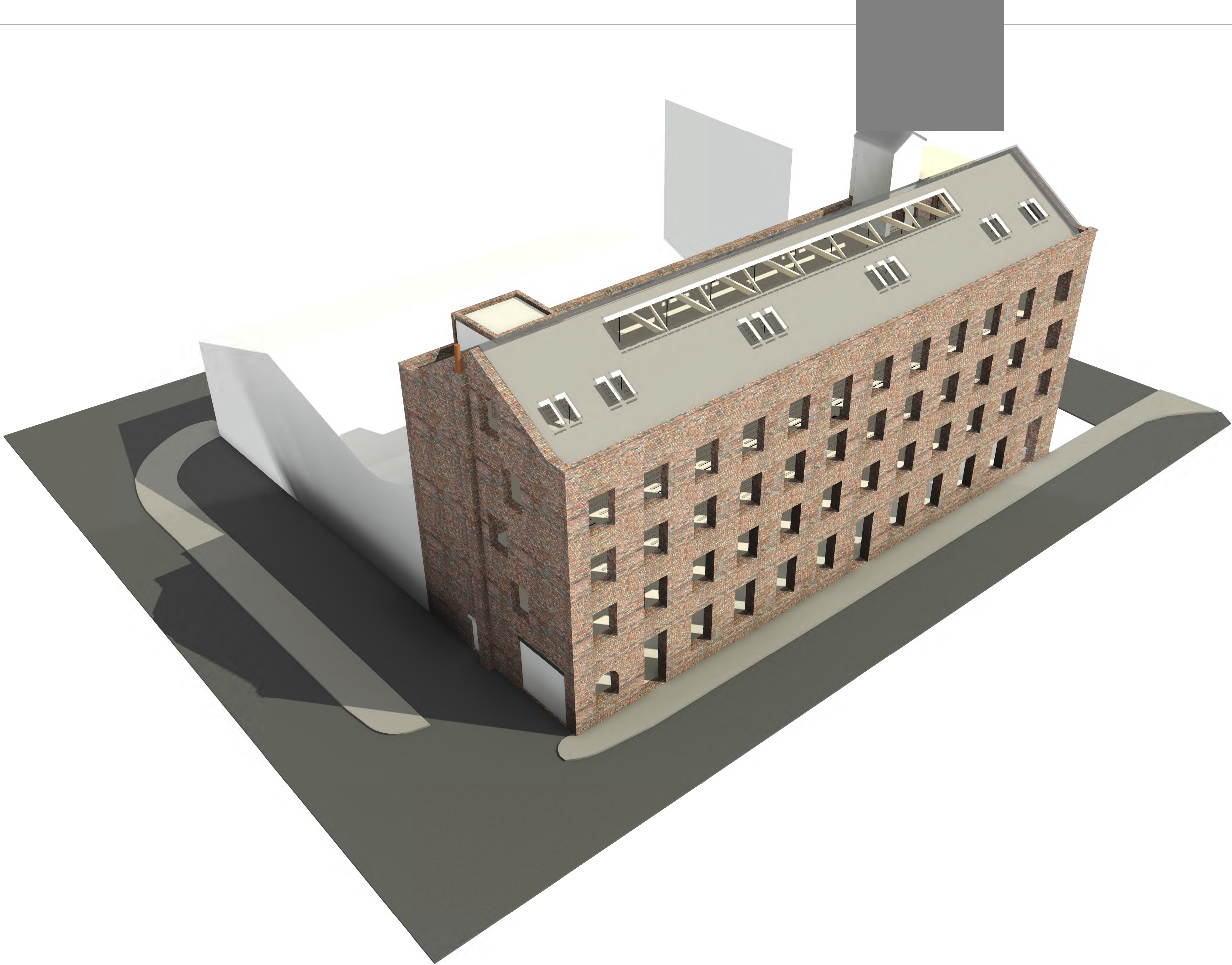
HTS Job No 2909 Suitability Rev **P1**



East Elevation - E3



West Elevation - E4



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2. Do not scale from this drawing in either paper or digital form. Use written dimensions only. To check drawing has been printed to the intended scale the above bar should be 100mm.
3. Any setting out dimensions shown in red are to be confirmed by the architect. All dimensions are to be checked by the contractor against site dimensions prior to fabrication /commencement of work on site. Beams and columns are to be centred on grid unless noted otherwise. Setting out of steelwork is shown to the centre of symmetric sections and to the back face of PFCs and RSAs.
4. Refer to drawing 0001 for general notes

P1	24.04.23	JMD	SD	Stage 3 Issue	
Rev	Date	By	Eng	Amendment	

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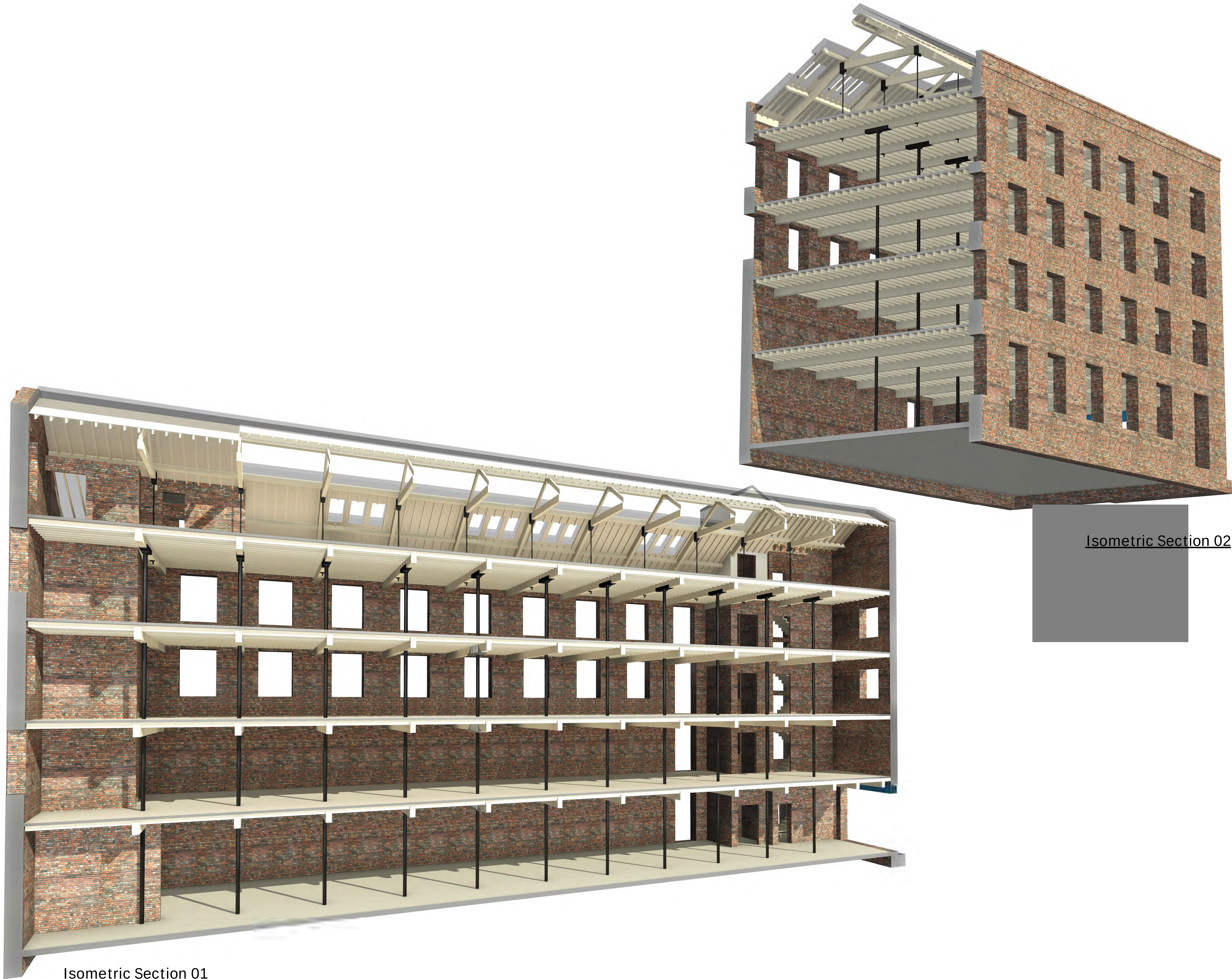
Job Name
Neptune Mill
Manchester, M1 2WQ

Drawing Title
Proposed Isometric Site View

Purpose of Issue Stage 3 Scale at A1

Drg No **2909-HTS-XX-XX-DR-S-2002**

HTS Job No 2909 Suitability Rev **P1**



Isometric Section 01

Isometric Section 02

100mm @ A1 (50mm @ A3)

1. This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
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P1	24.04.23	JMD	SD	Stage 3 Issue	
Rev	Date	By	Eng	Amendment	

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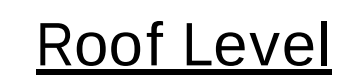
Job Name
Neptune Mill
Manchester, M1 2WQ

Drawing Title
**Proposed Isometric
Sections**

Purpose of Issue Stage 3 Scale at A1

Drg No **2909-HTS-XX-XX-DR-S-2003**

HTS Job No 2909 Suitability Rev **P1**



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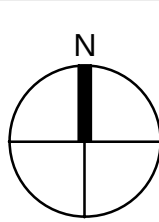
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Drawing Title
Proposed Isometric Floor
Plates

Org No 2909-HTS-XX-XX-DR-S-2004

ITS Job No 2909 Suitability Rev P1



100mm @ A1 (50mm @ A3)

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4. Refer to drawing 0001 for general notes

Proposed Steel Cols		Proposed Steel Beams	
Ref	Type	Ref	Type
B1		B1	UB406x140x46

Proposed Timber Floors		
Ref	Joists	Boarding
T1	200x63 at 450crs	MAX 450mm centres. 24mm thick external grade plywood sheathing to top face Full depth noggins to be included at mid-span

Legend	
	Proposed RC structure
	Proposed Steel Framing
	Red dimension TBC by architect
	PS1 - lg x wd x dp MC padstone
	Moment connection
	Crank

Lintel Schedule	
L1	Robslee Type C non-composite precast lintel, or equal approved, achieving MIN 150mm bearing in line with supplier guidance. Quantity to suit wall thickness (TBC onsite)
L2	Robslee Type K9 non-composite precast lintel, or equal approved, achieving MIN 150mm bearing in line with supplier guidance. Quantity to suit wall thickness (TBC onsite)

Refer to drawing 2301 for typical precast lintel detail. Ensure scuntions are re-built as indicated to provide adequate support and bearing.

P1	24.04.23	JMD	SD	Stage 3 Issue	
Rev	Date	By	Eng	Amendment	

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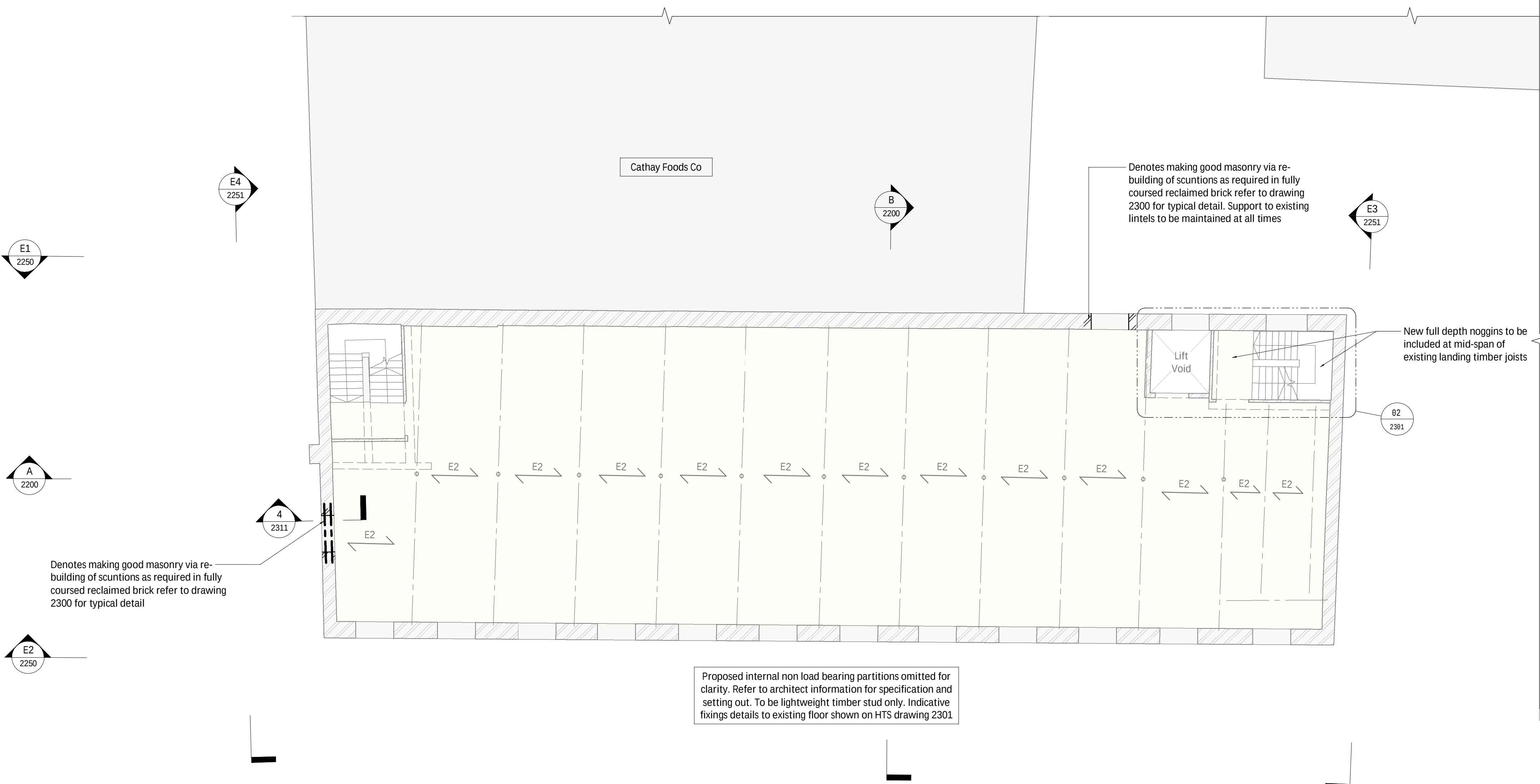
Job Name
Neptune Mill
Manchester, M1 2WQ

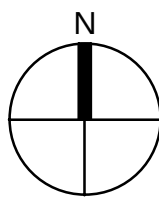
Drawing Title
**Proposed
First Floor Plan**

Purpose of Issue Stage 3 Scale at A1 1 : 100

Drg No **2909-HTS-XX-XX-DR-S-2110**

HTS Job No 2909 Suitability Rev **P1**





100mm @ A1 (50mm @ A3)

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4. Refer to drawing 0001 for general notes

Proposed Steel Cols		Proposed Steel Beams	
Ref	Type	Ref	Type
B1		B1	UB406x140x46

Proposed Timber Floors		
Ref	Joists	Boarding
T1	200x63 at 450crs	MAX 450mm centres. 24mm thick external grade plywood sheathing to top face Full depth noggins to be included at mid-span

Legend	
	Proposed RC structure
	Proposed Steel Framing
	Red dimension TBC by architect
	PS1 - lg x wd x dp MC padstone
	M Moment connection
	C Crank

Lintel Schedule	
L1	Robslee Type C non-composite precast lintel, or equal approved, achieving MIN 150mm bearing in line with supplier guidance. Quantity to suit wall thickness (TBC onsite)
L2	Robslee Type K9 non-composite precast lintel, or equal approved, achieving MIN 150mm bearing in line with supplier guidance. Quantity to suit wall thickness (TBC onsite)

Refer to drawing 2301 for typical precast lintel detail. Ensure scunions are re-built as indicated to provide adequate support and bearing.

P1	24.04.23	JMD	SD	Stage 3 Issue	
Rev	Date	By	Eng	Amendment	

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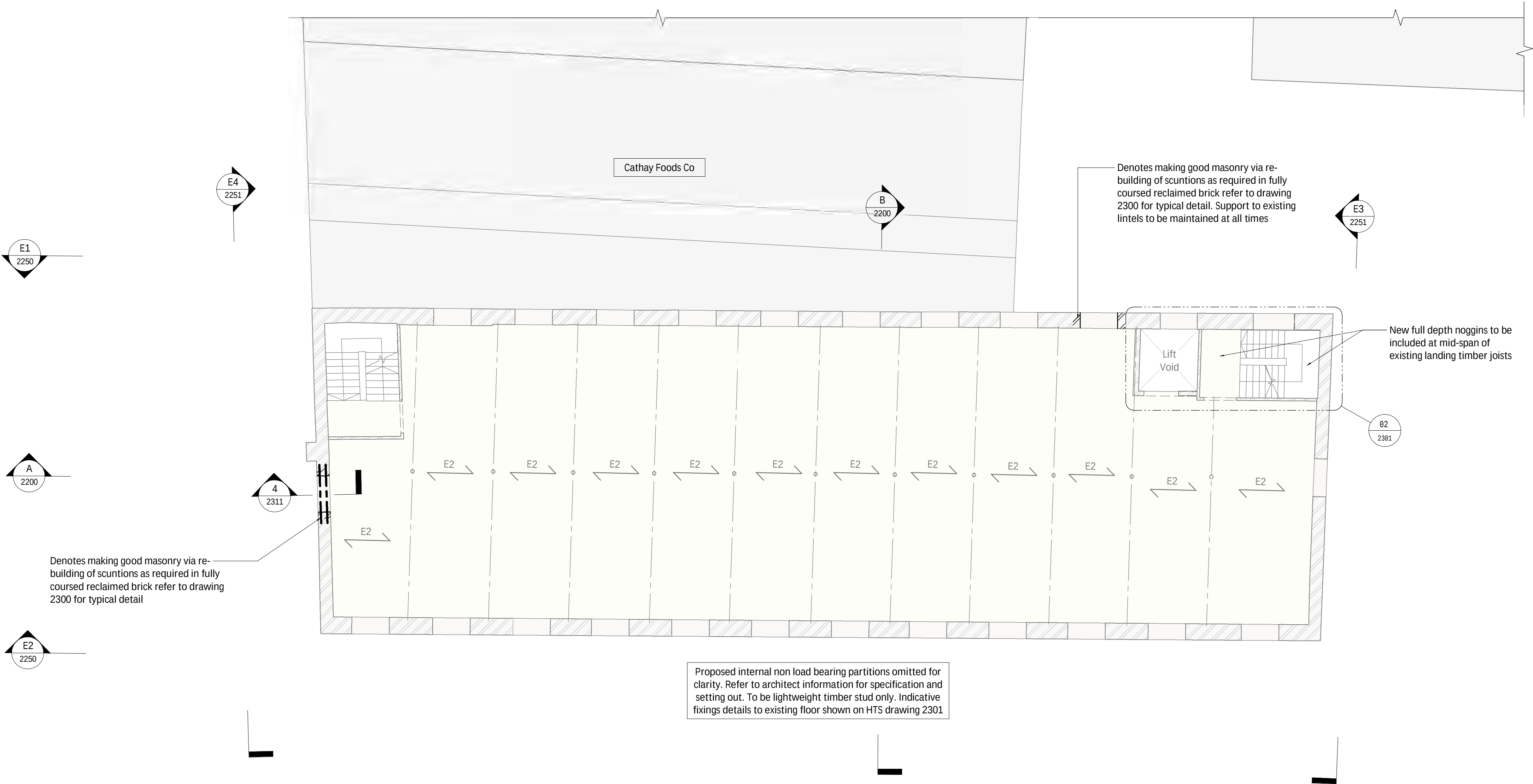
Job Name
Neptune Mill
Manchester, M1 2WQ

Drawing Title
**Proposed
Second Floor Plan**

Purpose of Issue Stage 3 Scale at A1 1 : 100

Drg No **2909-HTS-XX-XX-DR-S-2120**

HTS Job No 2909 Suitability Rev **P1**



- | Proposed Steel Cols | | Proposed Steel Beams | |
|---------------------|--------------|----------------------|------|
| Ref | Type | Ref | Type |
| B1 | UB406x140x46 | | |

Legend	
	Proposed RC structure
	Proposed Steel Framing
	Red dimension TBC by architect
	PS1 - lg x wd x dp MC padstone
	Moment connection
	C Crank

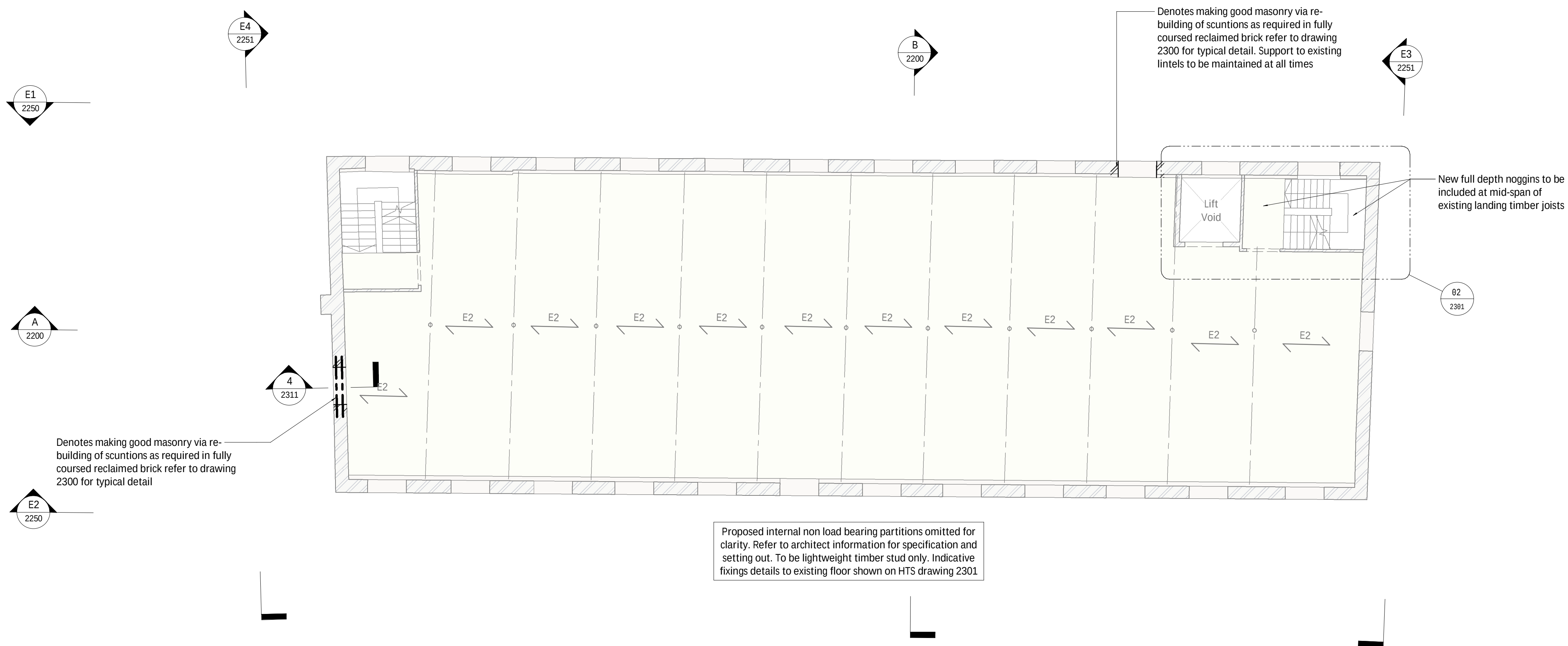
L1	Robslee Type C non-composite precast lintel, or equal approved, achieving MIN 150mm bearing in line with supplier guidance. Quantity to suit wall thickness (TBC onsite)
L2	Robslee Type K9 non-composite precast lintel, or equal approved, achieving MIN 150mm bearing in line with supplier guidance. Quantity to suit wall thickness (TBC onsite)

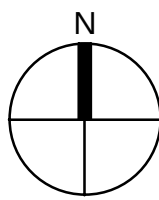
P1	24.04.23	JMD	SD	Stage 3 Issue
Rev	Date	By	Eng	Amendment

Purpose of Issue	Stage 3	Scale at A1	1 : 100
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Drg No 2909-HTS-XX-XX-DR-S-2130

HTS Job No 2909 Suitability Rev P1





100mm @ A1 (50mm @ A3)

1. This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
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4. Refer to drawing 0001 for general notes

Proposed Steel Cols		Proposed Steel Beams	
Ref	Type	Ref	Type
B1		B1	UB406x140x46

Proposed Timber Floors		
Ref	Joists	Boarding
T1	200x63 at 450crs	MAX 450mm centres. 24mm thick external grade plywood sheathing to top face Full depth noggins to be included at mid-span

Legend	
	Proposed RC structure
	Proposed Steel Framing
	Red dimension TBC by architect
	PS1 - lg x wd x dp MC padstone
	Moment connection
	Crank

Lintel Schedule	
L1	Robslee Type C non-composite precast lintel, or equal approved, achieving MIN 150mm bearing in line with supplier guidance. Quantity to suit wall thickness (TBC onsite)
L2	Robslee Type K9 non-composite precast lintel, or equal approved, achieving MIN 150mm bearing in line with supplier guidance. Quantity to suit wall thickness (TBC onsite)

Refer to drawing 2301 for typical precast lintel detail. Ensure scuntions are re-built as indicated to provide adequate support and bearing.

P1	24.04.23	JMD	SD	Stage 3 Issue	
Rev	Date	By	Eng	Amendment	

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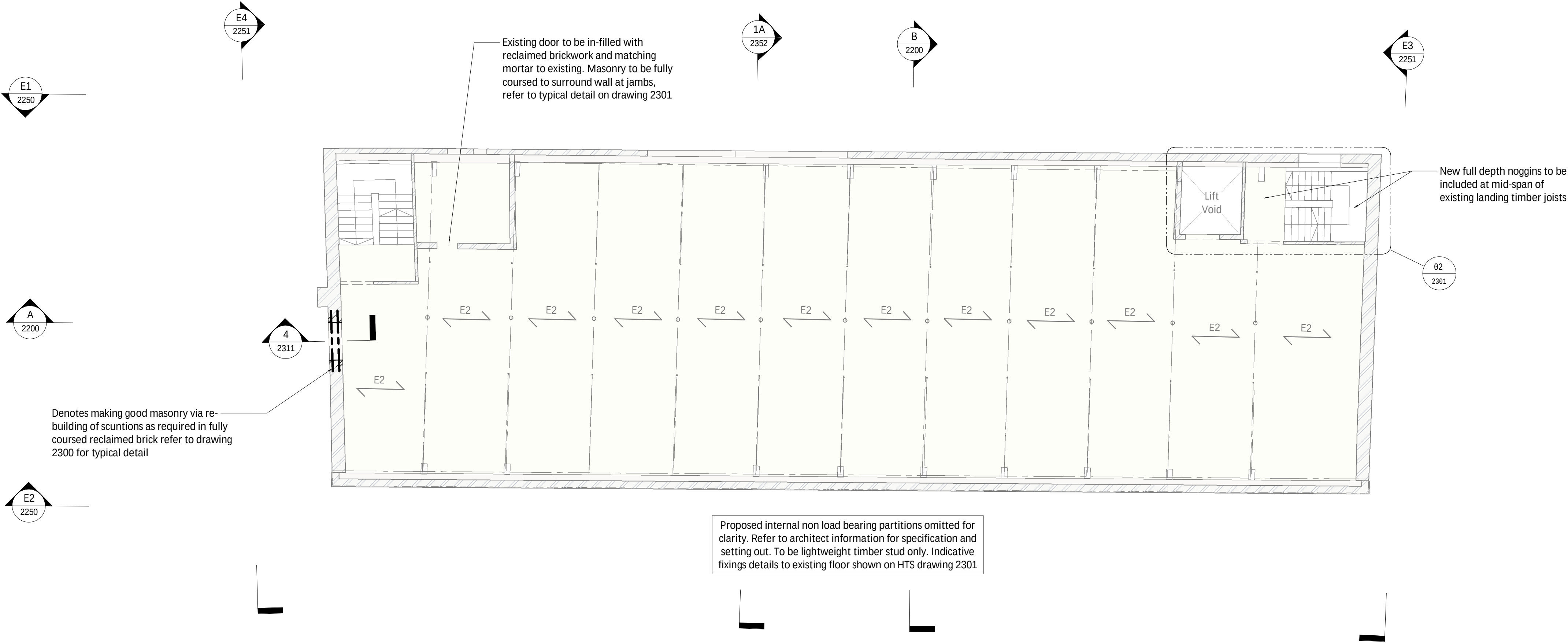
Job Name
Neptune Mill
Manchester, M1 2WQ

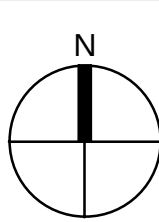
Drawing Title
**Proposed
Fourth Floor Plan**

Purpose of Issue Stage 3 Scale at A1 1 : 100

Drg No **2909-HTS-XX-XX-DR-S-2140**

HTS Job No 2909 Suitability Rev **P1**





100mm @ A1 (50mm @ A3)

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- Refer to drawing 0001 for general notes

Proposed Steel Cols		Proposed Steel Beams	
Ref	Type	Ref	Type
B1		B1	UB406x140x46

Proposed Timber Floors	
Ref	Joists Boarding
T1	200x63 at 450crs MAX 450mm centres. 24mm thick external grade plywood sheathing to top face Full depth noggins to be included at mid-span

Legend	
	Proposed RC structure
	Proposed Steel Framing
	Red dimension TBC by architect
	PS1 - lg x wd x dp MC padstone
	M Moment connection
	C Crank

Lintel Schedule	
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L2	Robslee Type K9 non-composite precast lintel, or equal approved, achieving MIN 150mm bearing in line with supplier guidance. Quantity to suit wall thickness (TBC onsite)

Refer to drawing 2301 for typical precast lintel detail. Ensure scurlions are re-built as indicated to provide adequate support and bearing.

P1	24.04.23	JMD	SD	Stage 3 Issue	
Rev	Date	By	Eng	Amendment	

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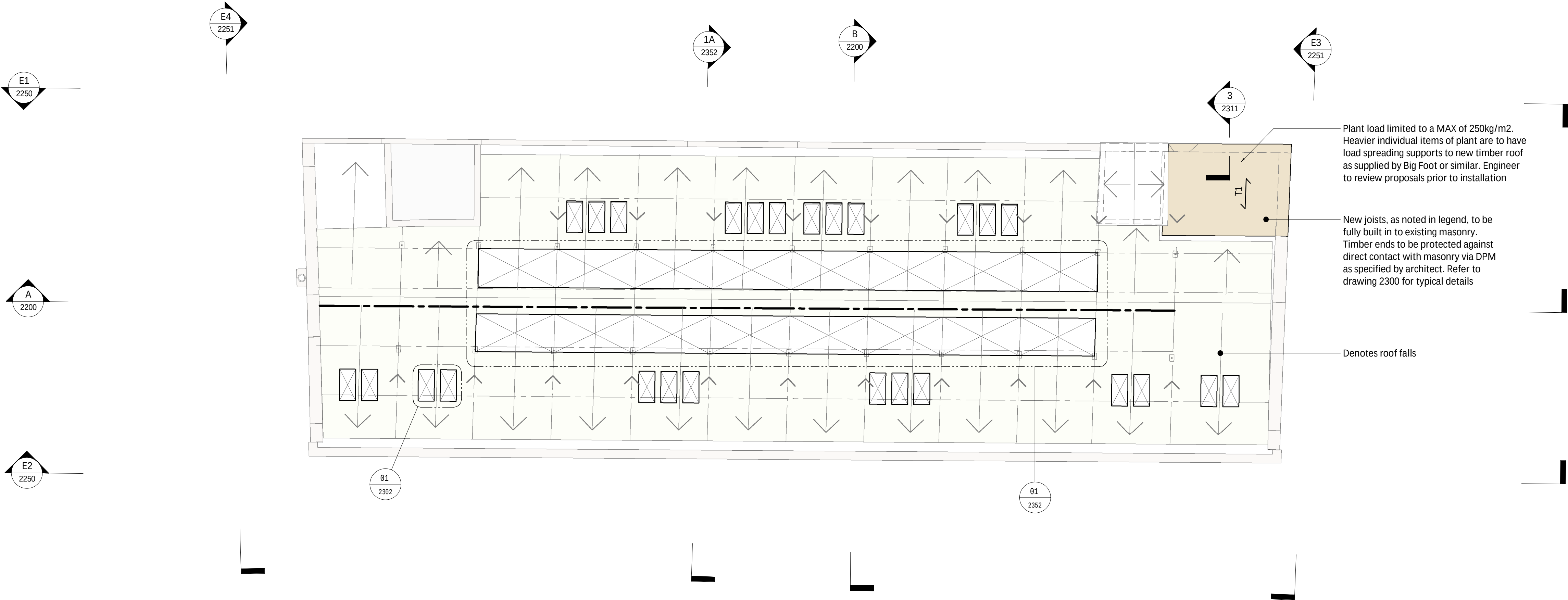
Job Name
Neptune Mill
Manchester, M1 2WQ

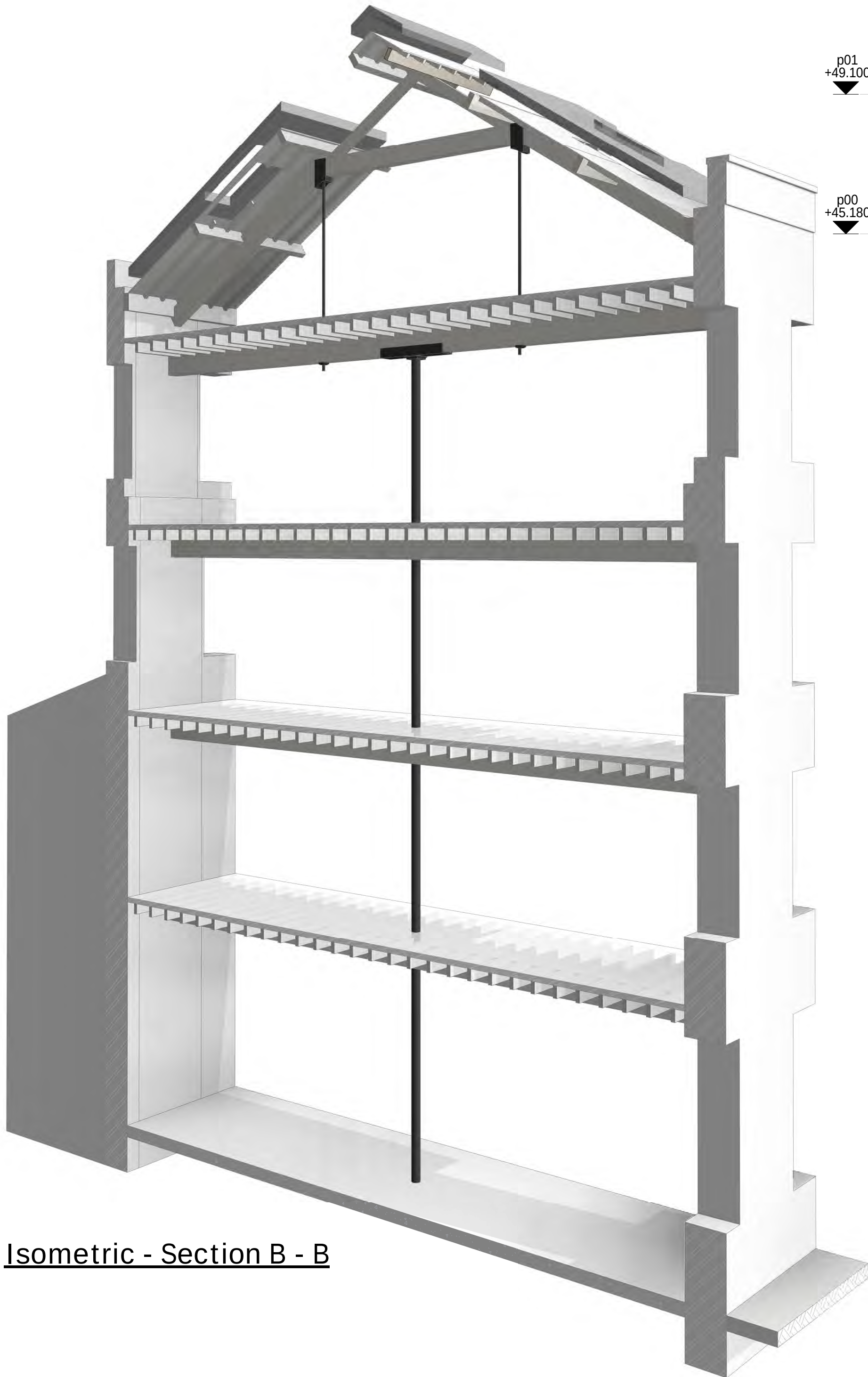
Drawing Title
**Proposed
Roof Floor Plan**

Purpose of Issue Stage 3 Scale at A1 1 : 100

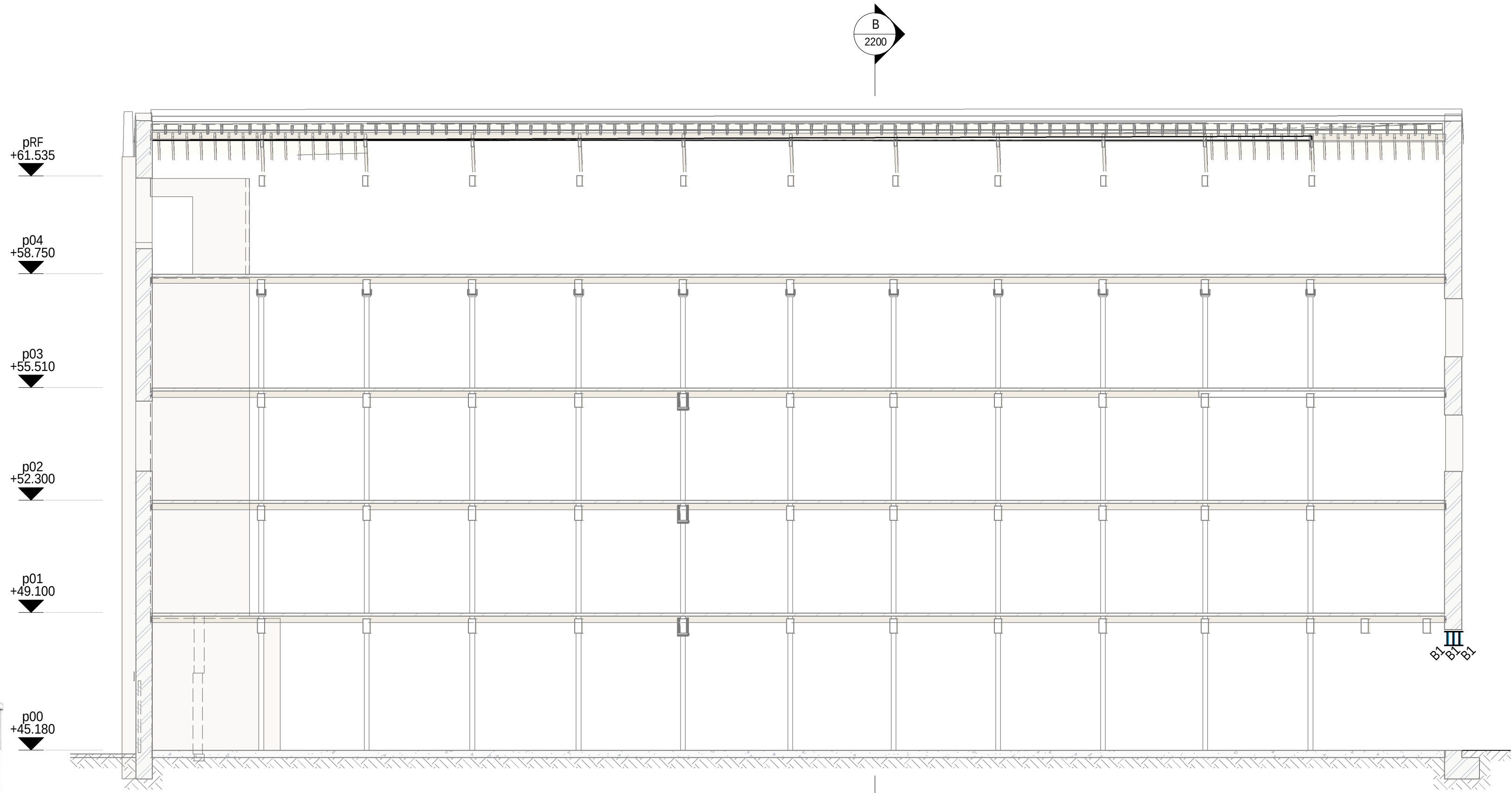
Drg No **2909-HTS-XX-XX-DR-S-2150**

HTS Job No 2909 Suitability Rev **P1**

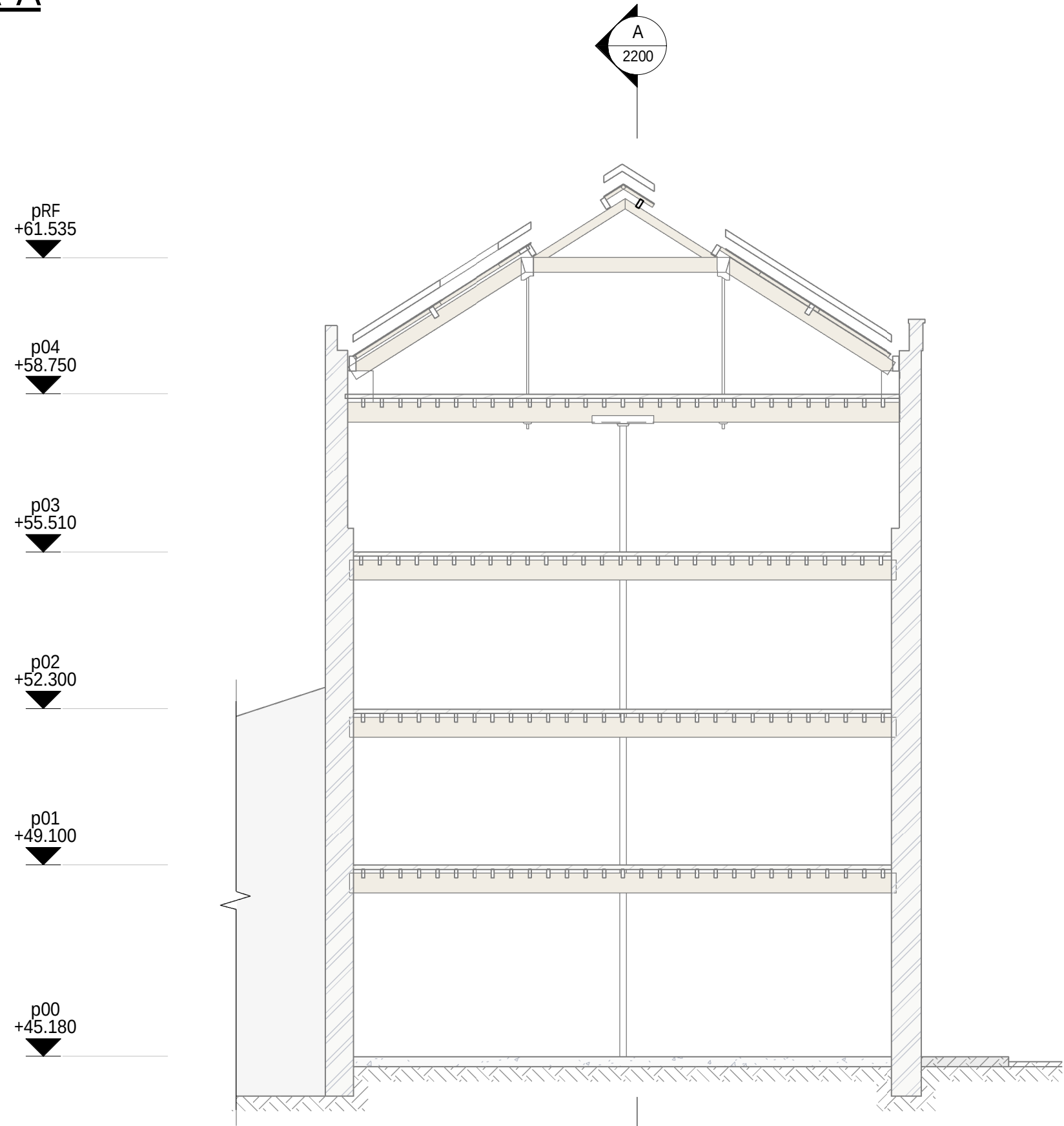




Isometric - Section B - B



Section A-A
1 : 100



Section B-B
1 : 100

100mm @ A1 (50mm @ A3)

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4. Refer to drawing 0001 for general notes

Proposed Steel Cols		Proposed Steel Beams	
Ref	Type	Ref	Type
B1		B1	UB406x140x46

Proposed Timber Floors	
Ref	Joists Boarding
T1	200x63 at 450crs MAX 450mm centres. 24mm thick external grade plywood sheathing to top face Full depth noggins to be included at mid-span

Legend	
	Proposed RC structure
	Proposed Steel Framing
	Red dimension TBC by architect
	PS1 - lg x wd x dp MC padstone
	M Moment connection
	C Crank

Lintel Schedule	
L1	Robslee Type C non-composite precast lintel, or equal approved, achieving MIN 150mm bearing in line with supplier guidance. Quantity to suit wall thickness (TBC onsite)
L2	Robslee Type K9 non-composite precast lintel, or equal approved, achieving MIN 150mm bearing in line with supplier guidance. Quantity to suit wall thickness (TBC onsite)

Refer to drawing 2301 for typical precast lintel detail. Ensure scunions are re-built as indicated to provide adequate support and bearing.

P1	24.04.23	JMD	SD	Stage 3 Issue	
Rev	Date	By	Eng	Amendment	

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Job Name
Neptune Mill
Manchester, M1 2WQ

Drawing Title
Proposed Long Sections

Purpose of Issue Stage 3 Scale at A1 1 : 100

Drg No **2909-HTS-XX-XX-DR-S-2200**

HTS Job No 2909 Suitability Rev **P1**

- | Proposed Steel Cols | | Proposed Steel Beams | |
|---------------------|--------------|----------------------|------|
| Ref | Type | Ref | Type |
| B1 | UB406x140x46 | | |

Legend	
	Proposed RC structure
	Proposed Steel Framing
	Red dimension TBC by architect
	PS1 - lg x wd x dp MC padstone
	Moment connection
	C Crank

Refer to drawing 2301 for typical precast lintel detail.
Ensure scuntings are re-built as indicated to provide
adequate support and bearing.

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Drawing Title

Proposed Elevations -

Sheet 1

Org No 2909-HTS-XX-XX-DR-S-2250

ITS Job No 2909 Suitability Rev P1

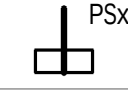
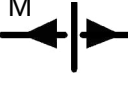
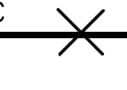


1 : 100

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4. Refer to drawing 0001 for general notes

Proposed Steel Cols		Proposed Steel Beams	
Ref	Type	Ref	Type
B1		B1	UB406x140x46

Proposed Timber Floors	
Ref	Joists
T1	200x63 at 450crs
	Boarding
	MAX 450mm centres. 24mm thick external grade plywood sheathing to top face Full depth noggins to be included at mid-span

Legend	
	Proposed RC structure
	Proposed Steel Framing
	Red dimension TBC by architect
	PS1 - lg x wd x dp MC padstone
	M Moment connection
	C Crank

Lintel Schedule	
L1	Robslee Type C non-composite precast lintel, or equal approved, achieving MIN 150mm bearing in line with supplier guidance. Quantity to suit wall thickness (TBC onsite)
L2	Robslee Type K9 non-composite precast lintel, or equal approved, achieving MIN 150mm bearing in line with supplier guidance. Quantity to suit wall thickness (TBC onsite)

Refer to drawing 2301 for typical precast lintel detail. Ensure scuntions are re-built as indicated to provide adequate support and bearing.

P1	24.04.23	JMD	SD	Stage 3 Issue	
Rev	Date	By	Eng	Amendment	

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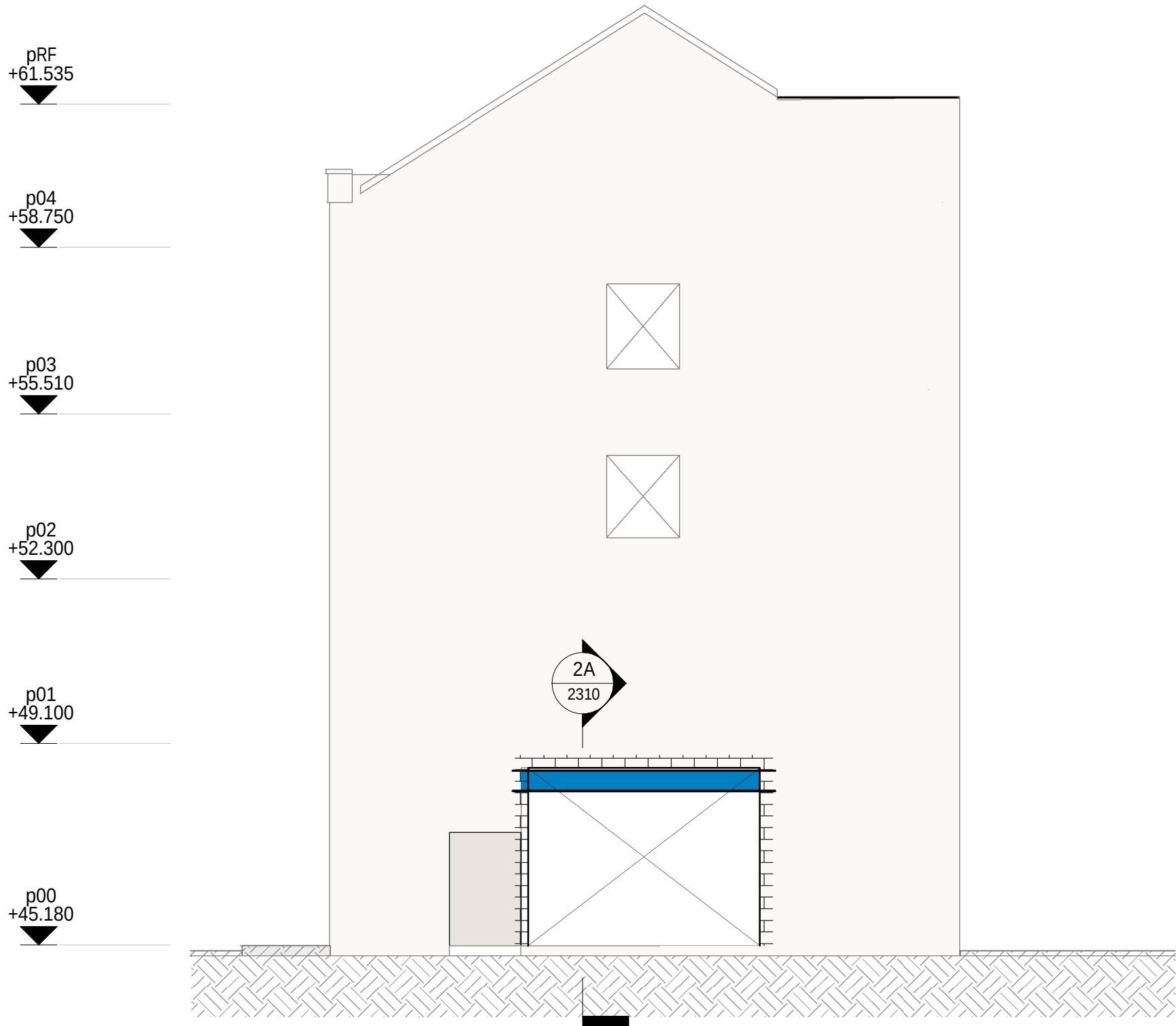
Job Name
Neptune Mill
Manchester, M1 2WQ

Drawing Title
Proposed Elevations -
Sheet 2

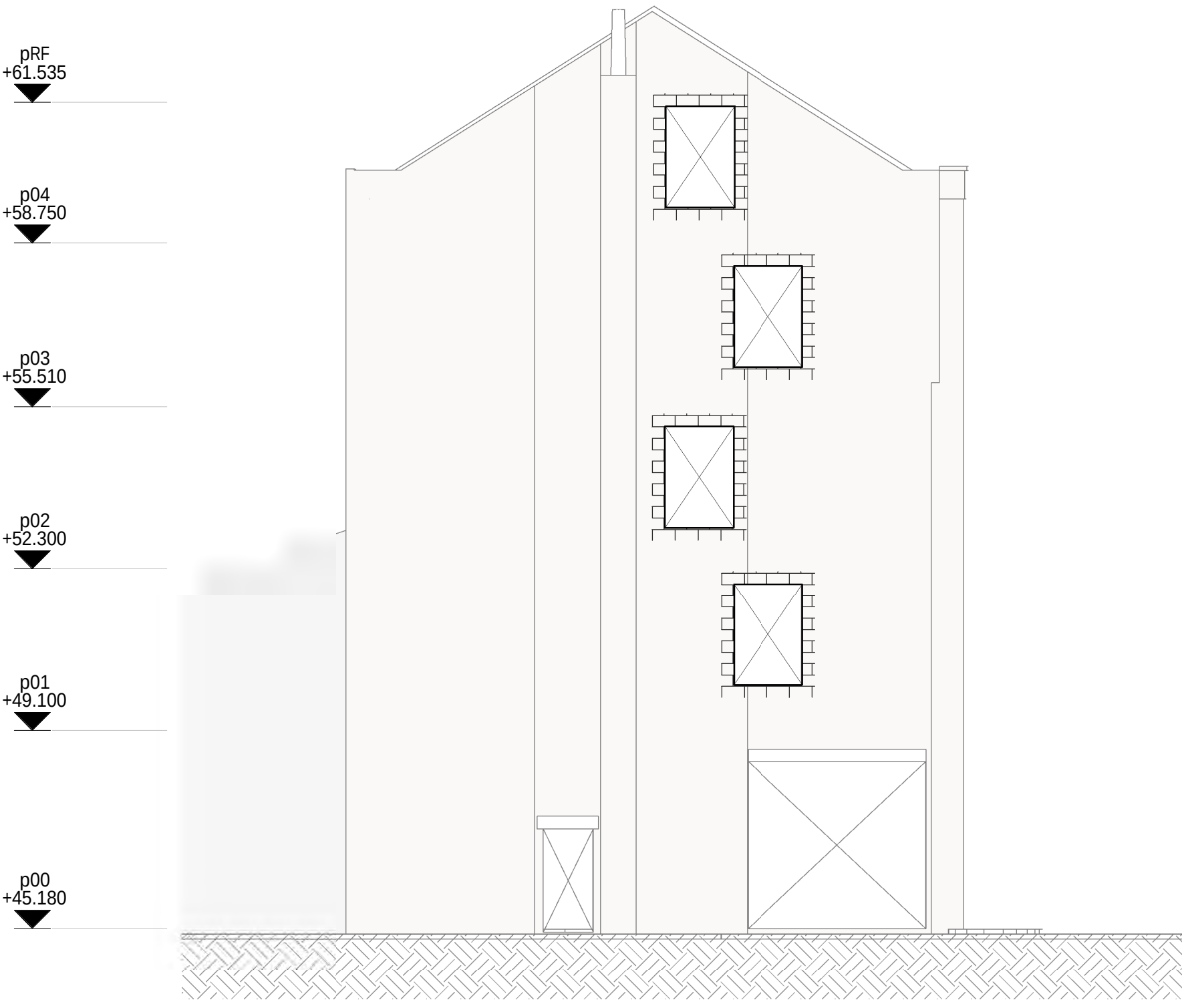
Purpose of Issue Stage 3 Scale at A1 1 : 100

Drg No 2909-HTS-XX-XX-DR-S-2251

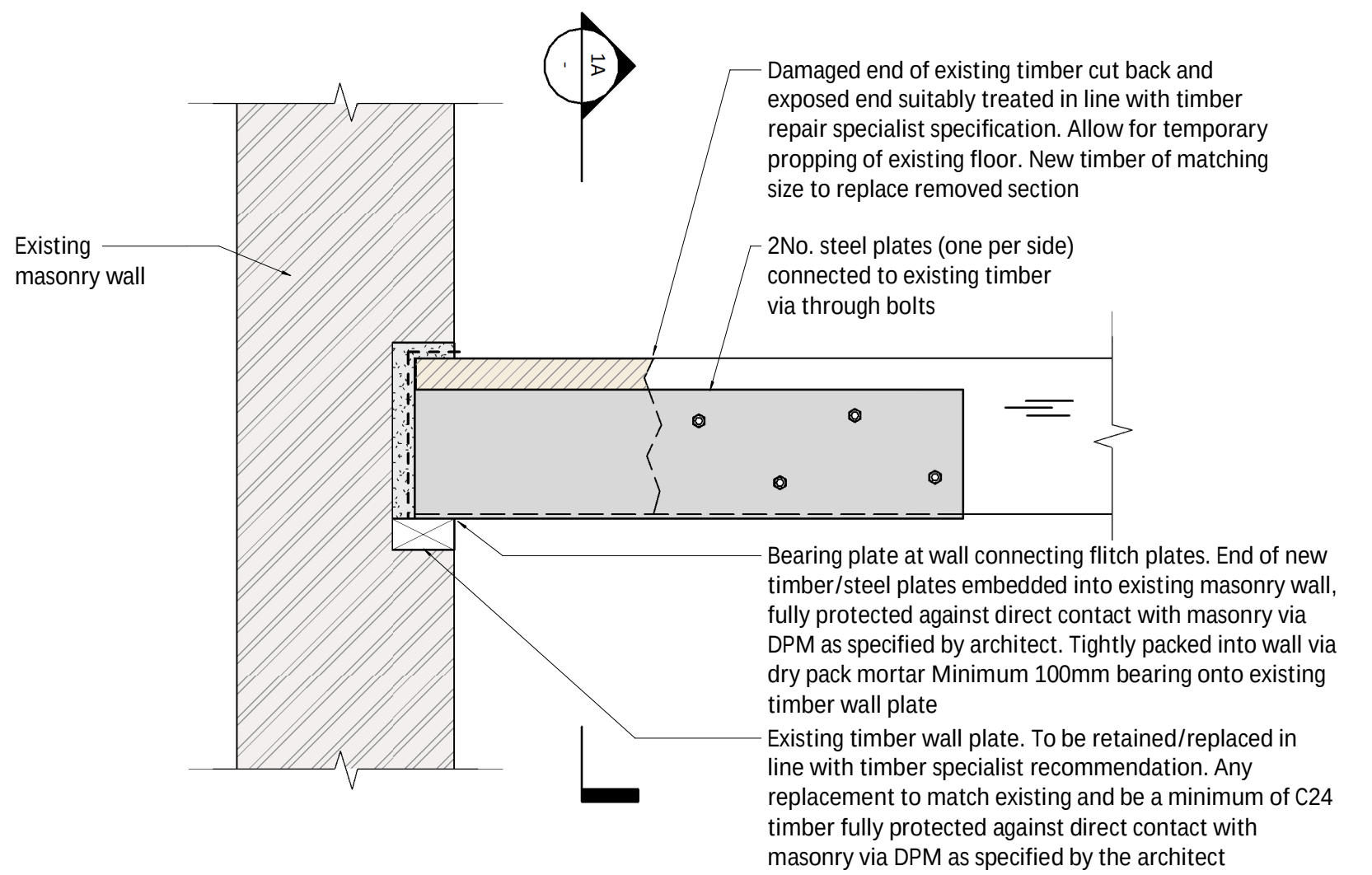
HTS Job No 2909 Suitability Rev P1



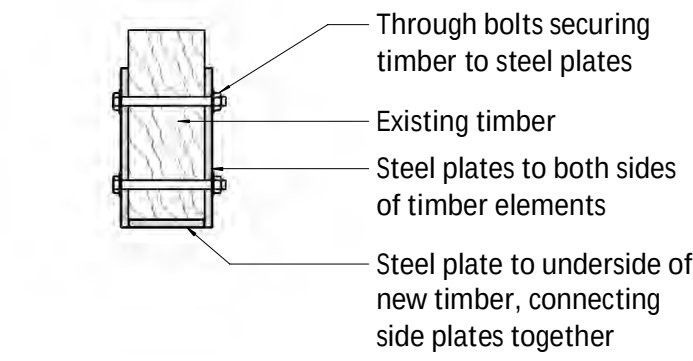
East Elevation - E3
1 : 100



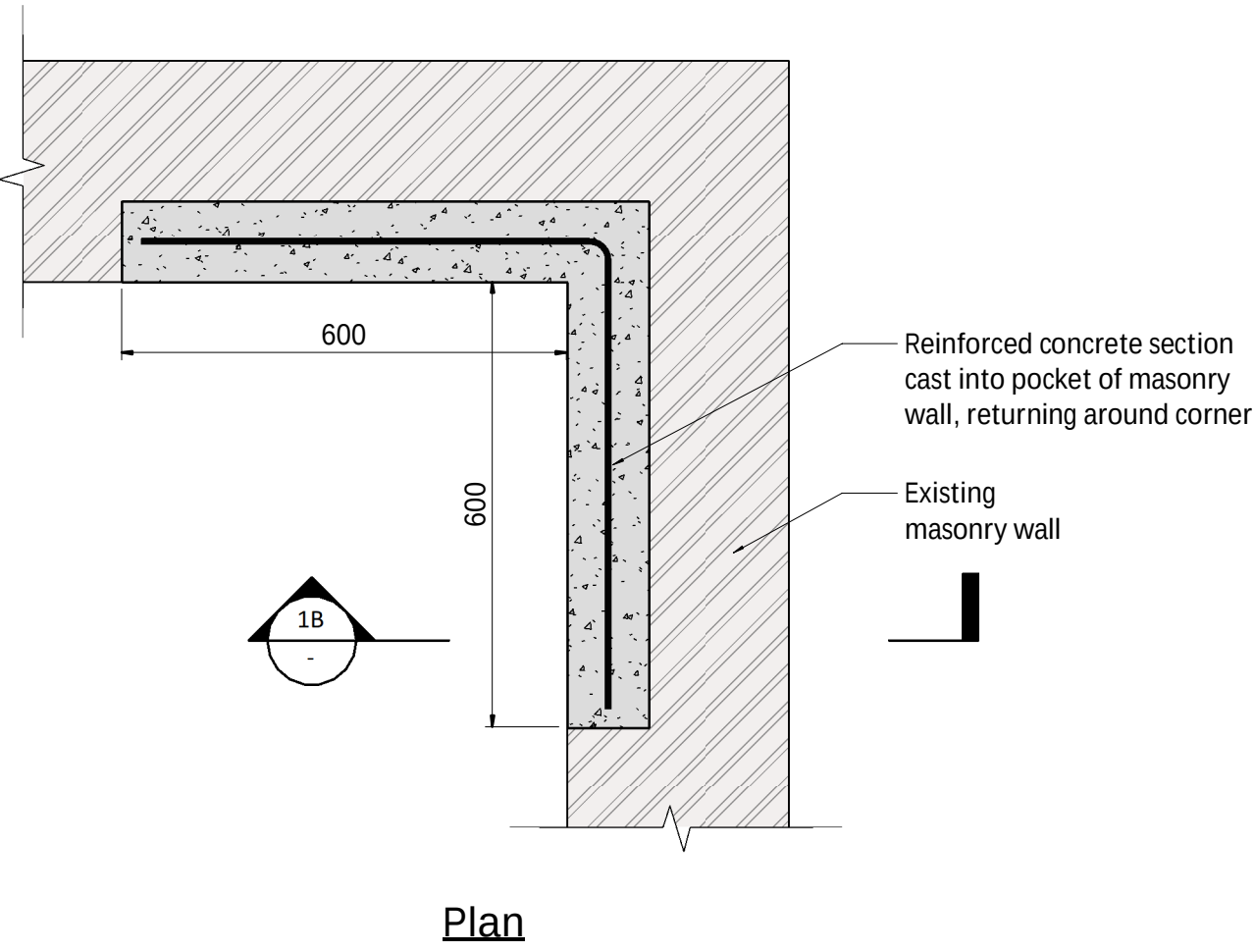
West Elevation - E4
1 : 100



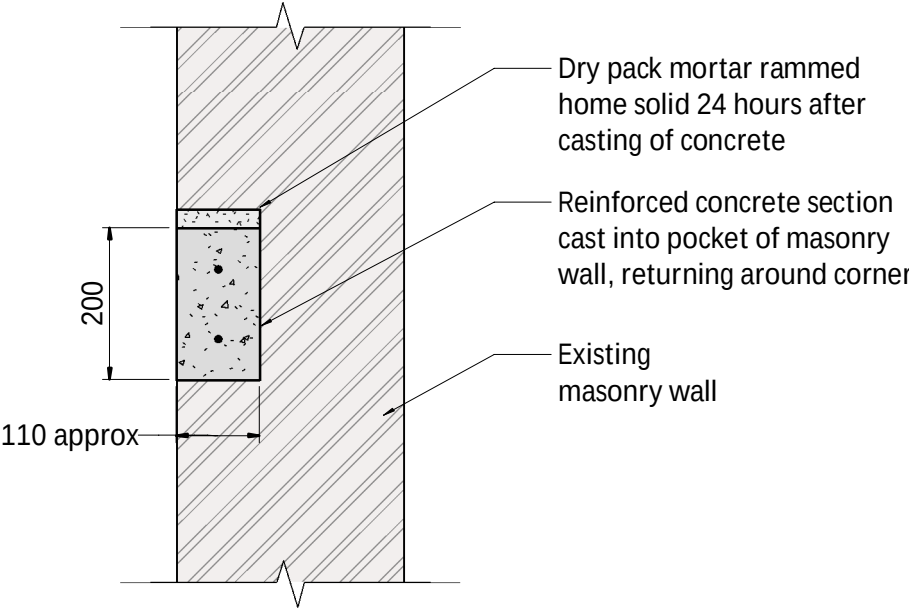
Typical Timber to Steel Repair - Elevation
1 : 10



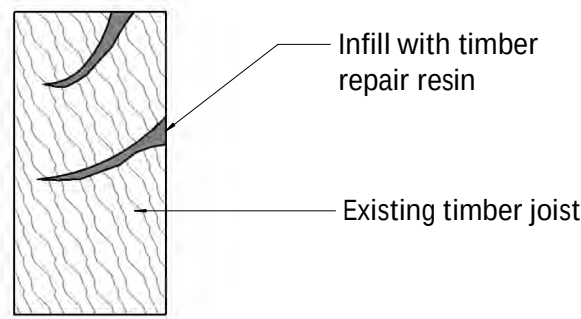
Typical Timber to Steel Repair - Section 1A
1 : 10



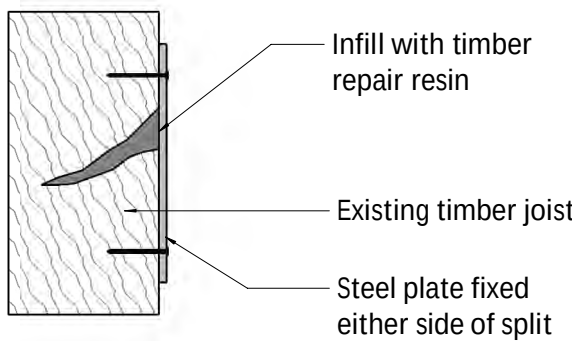
Typical Masonry Wall Corner Strengthening Details - Plan
1 : 10



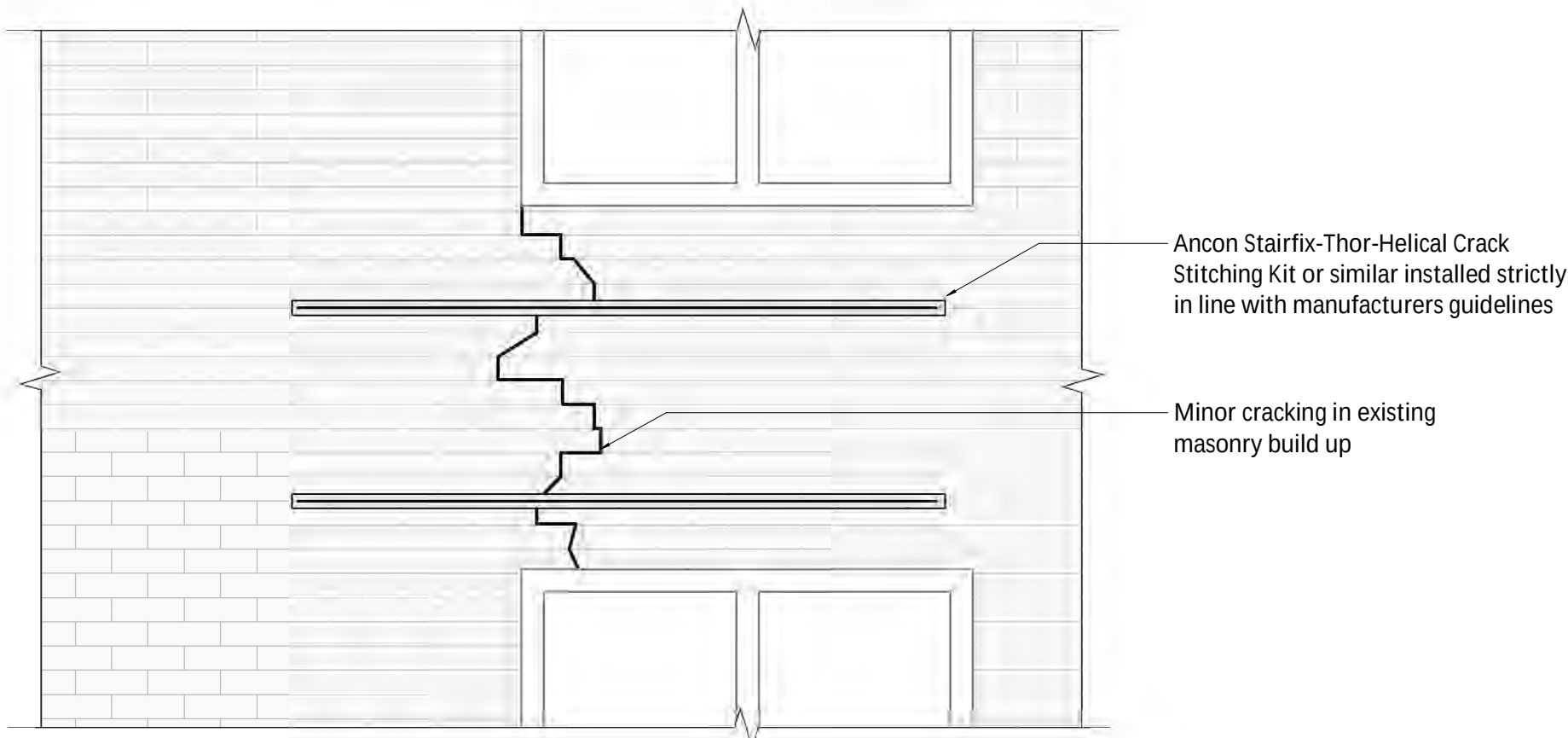
Section 1B - 1B



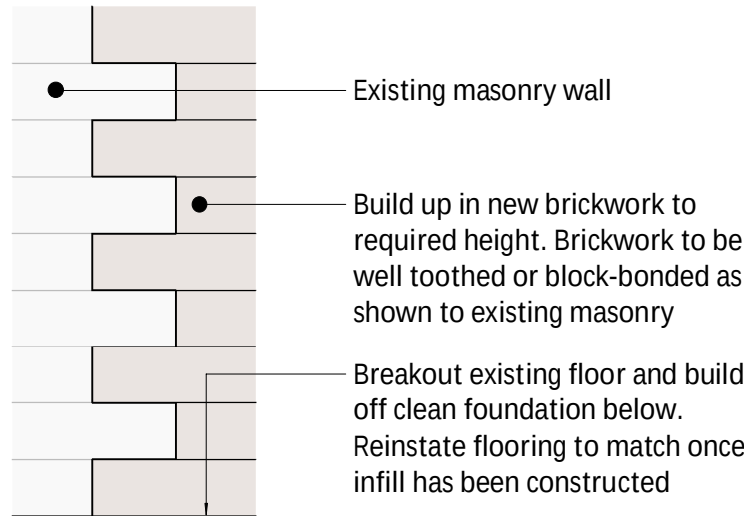
Typical Repair Detail to Splits



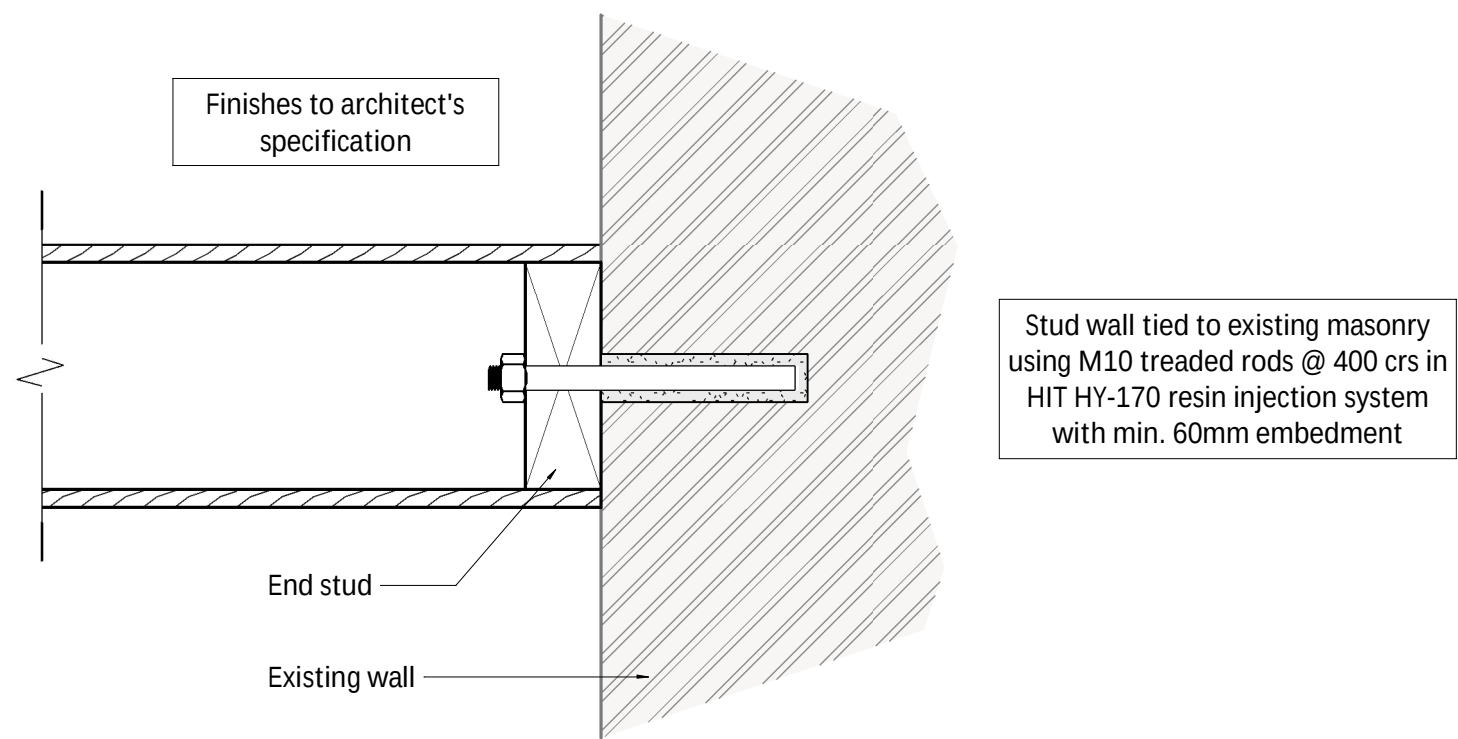
Typical Repair large / Continuous Splits in Beams



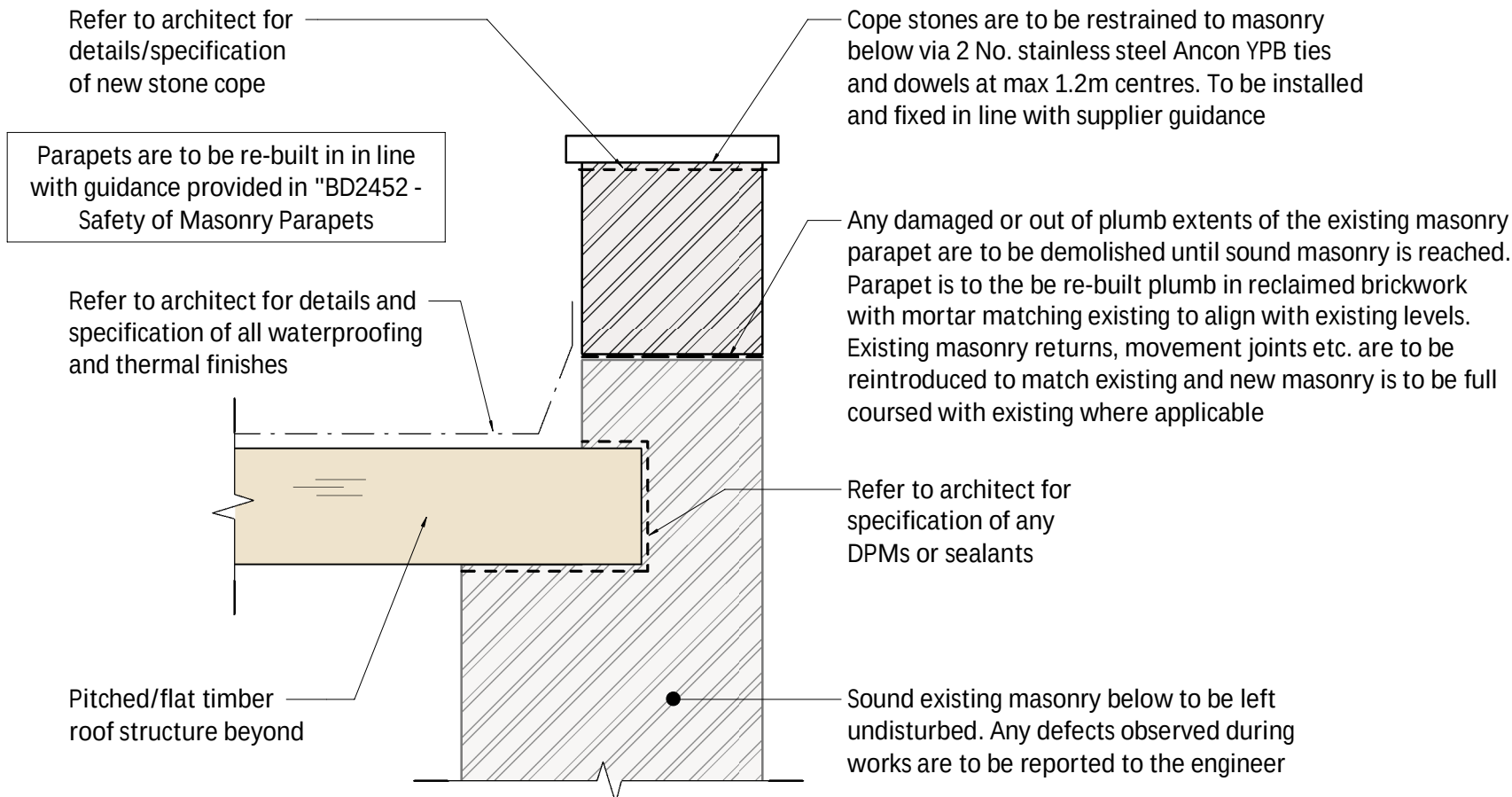
Typical Masonry Crack Stitching Remedial Detail
1 : 20



Typical Masonry Wall Bonding Detail
1 : 10



Typical Plan on Typical Internal Stud Partition Wall Starter Detail
1 : 5



Typical Detail Parapet Repairs
1 : 10

100mm @ A1 (50mm @ A3)

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4. Refer to drawing 0001 for general notes

P1	24.04.23	JMD	SD	Stage 3 Issue	
Rev	Date	By	Eng	Amendment	

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Job Name
Neptune Mill
Manchester, M1 2WQ

Drawing Title
Proposed Typical Details - Sheet 1

Purpose of Issue Stage 3 Scale at A1 As indicated

Drg No **2909-HTS-XX-XX-DR-S-2300**

HTS Job No 2909 Suitability Rev **P1**

Typical Partition Detail (Partition
Parallel to Joist Span)
1:10

Typical Partition Detail (Partition
Perpendicular to Joist Span)

Typical Elevation of Opening

Typical Masonry Lintel Detail TYP3

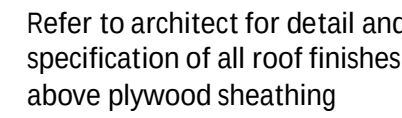
Typical Existing Half Landing - Plan 01

Typical Existing Half Landing
Trimmer - Elevation TYP1

Typical Proposed Half Landing - Plan 02

Typical Proposed Half Landing
Trimmer Replacement -
Elevation TYP2

4. Refer to drawing 0001 for general notes

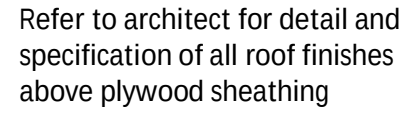


Roof joists strapped back to masonry — wall via simpson strongtie twisted strap or similar approved. MAX 1.2m centre spacing, fixed to timber/masonry substrates in line with supplier guidance

- Timber to be protected against direct contact with masonry via DPM as

- Timber to be tightly packed into masonry pockets via non-degradable shims

Existing masonry. Where demolition is required to accommodate installation of new timber roof elements, fully re-build to match existing with reclaimed brick and matching mortar

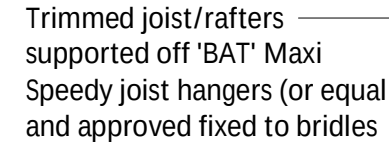


Hilti M10 HAS-U 5.8 HDG anchor rod with HOT-SC sleeve and HIT HY 370 mortar

Timber to be protected against direct contact with masonry via DPM as specified by architect

Final wall to be positioned flush to existing – wall and fixed back with at MAX 600mm centres. Min. 80mm embedment to masonry beyond

1 : 10



- Provide double brides (size to match secondary purlins) with 'BAT' Maxi Speedy joist hangers (or equal and approved) to suit. These rafter bolted together with 10mm dia bolts in 10mm dia holes @ 400crs with 50mm square washers

- Double secondary purlins (size as per existing. Either side of rooflight opening. These rafters bolted together with 10mm dia bolts in 10mm dia holes @ 400 crs with 50mm square washers

- Trimmed joist/rafters supported off 'BAT' Maxi Speedy joist hangers (or equal and approved fixed to bridles)

Rooftight opening, size as per architect's details

1 : 10

P1	24.04.23	JMD	SD	Stage 3 Issue
Rev	Date	By	Eng	Amendment

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Job Name
Neptune Mill
Manchester, M1 2WQ

Drawing Title
Proposed Typical Details -
Sheet 3

Purpose of Issue	Stage 3	Scale at A1	1 : 10
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Org No 2909-HTS-XX-XX-DR-S-2302

ITS Job No 2909 Suitability Rev P1





Legend	
	Proposed RC structure
	Proposed Steel Framing
	Red dimension TBC by architect
	PS1 - lg x wd x dp MC padstone
	Moment connection
	Crank

4. Refer to drawing 0001 for general notes

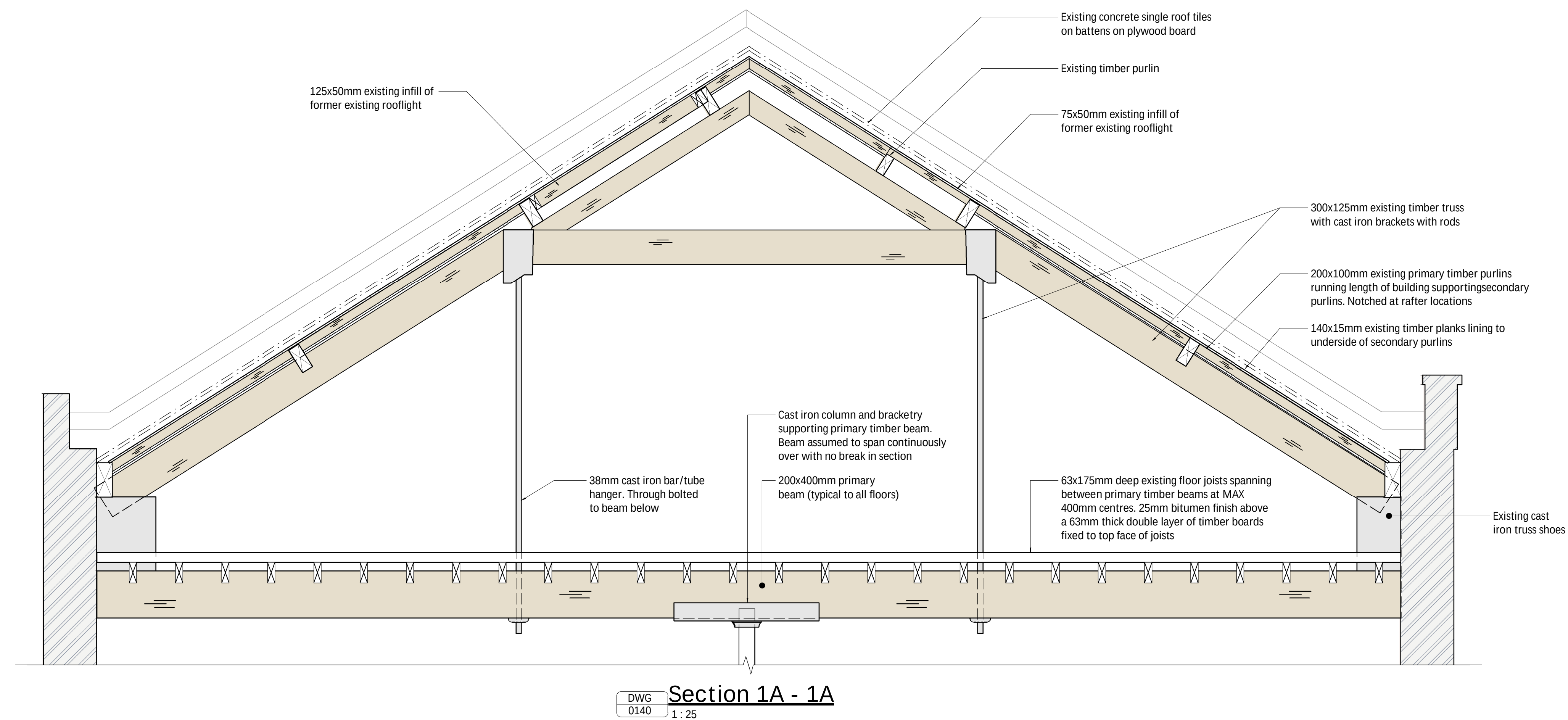
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Purpose of Issue	Stage 3	Scale at A1	1 : 10
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Drg No 2909-HTS-XX-XX-DR-S-2311

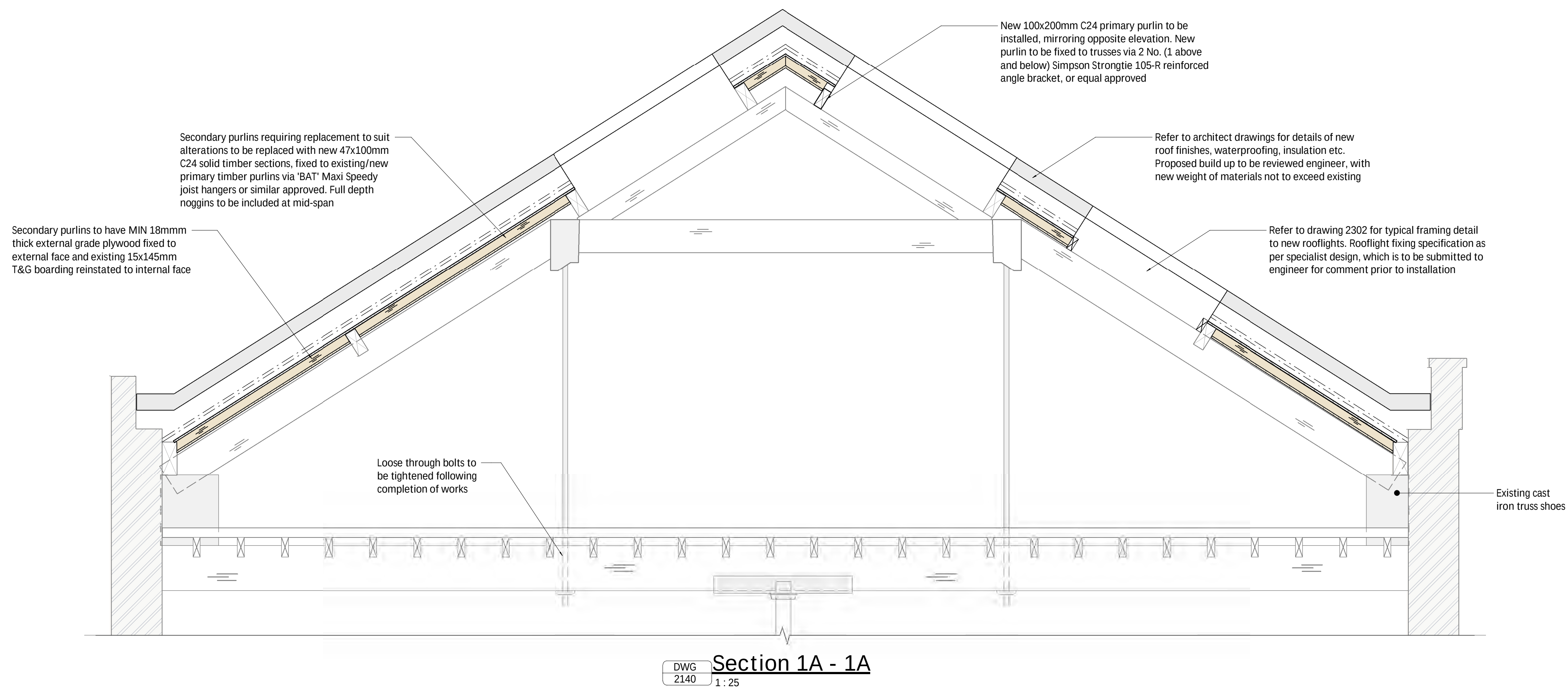
HTS Job No 2909 Suitability Rev P1



P1	24.04.23	JMD	SD	Stage 3 Issue
Rev	Date	By	Eng	Amendment

HTS Job No 2909 Suitability Rev P1

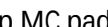
P1	24.04.23	JMD	SD	Stage 3 Issue	
Rev	Date	By	Eng	Amendment	



100mm @ A1 (50mm @ A3)

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4. Refer to drawing 0001 for general notes

Proposed Steel Cols		Proposed Steel Beams	
Ref	Type	Ref	Type
B1	UB406x140x46		

Legend	
	Proposed RC structure
	Proposed Steel Framing
	Red dimension TBC by architect
	PS1 - lg x wd x dp MC padstone
	Moment connection
	Crank

P1	24.04.23	JMD	SD	Stage 3 Issue
Rev	Date	By	Eng	Amendment

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Job Name
Neptune Mill
Manchester, M1 2WQ

Drawing Title
Main Roof Opening -
Proposed Details -
Sheet 1

Purpose of Issue	Stage 3	Scale at A1	As indicated
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Drg No 2909-HTS-XX-XX-DR-S-2352

HTS Job No 2909 Suitability Rev P1

