

Hardman Structural Engineers

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Drawing Issue Sheet

Project 59 Solent Road, NW6 1TY
 Project No 2298

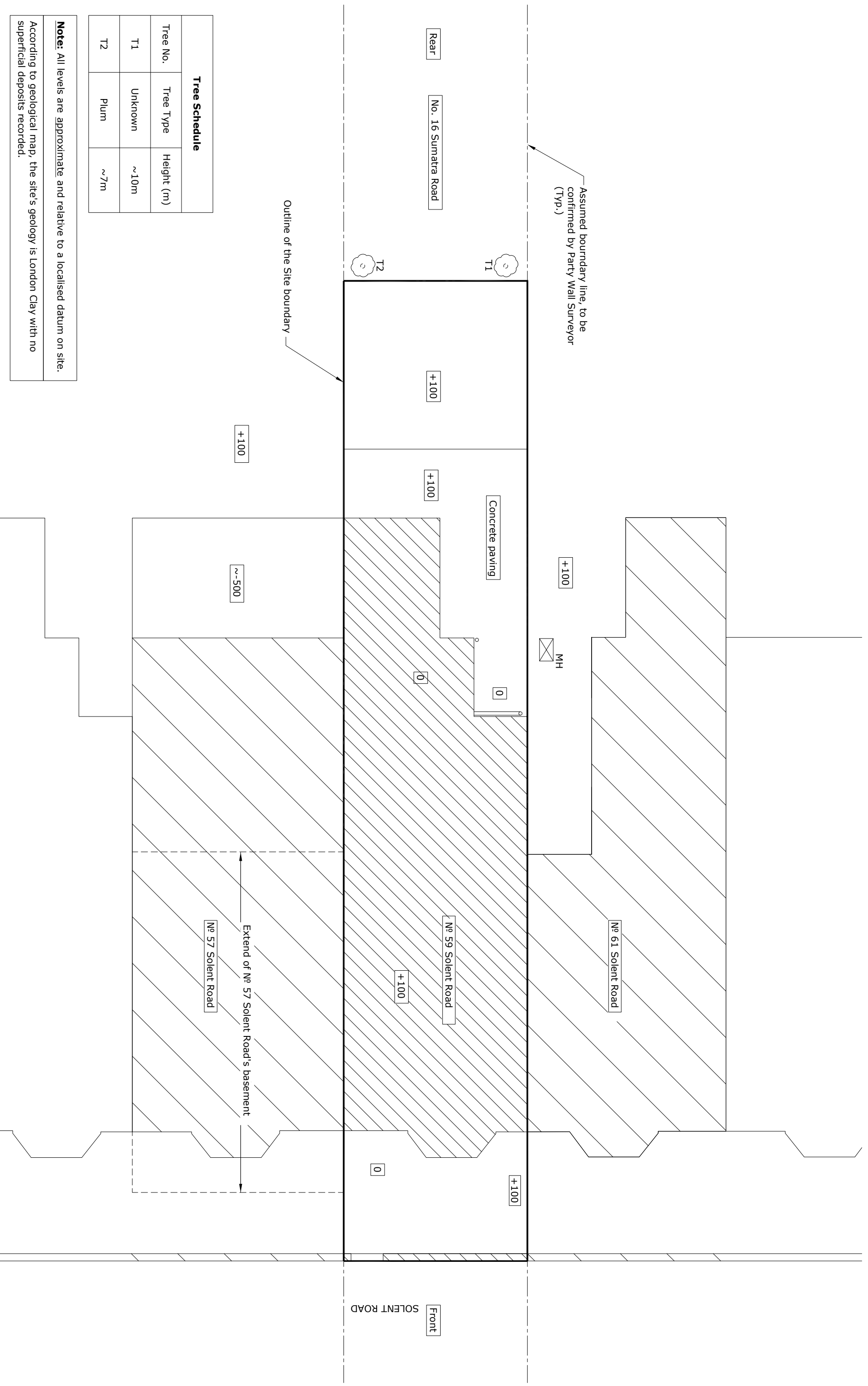
Title	No	Issue Date																						
		2016.10.13	2016.10.21	2016.11.16	2016.12.05																			
EXISTING DRAWINGS																								
Ste Location	01	/	/	/	/																			
Ste Plan	02	/	/	/	/																			
Ground Floor Plan	03	/	/	/	A																			
First Floor Plan	04	/	/	/	/																			
Second Floor Plan	05	/	/	/	/																			
Roof Plan	06	/	/	/	/																			
Section A-A	21			/	/																			
Elevation A-A	41			/	/																			
DEMOLITION DRAWINGS																								
Ground Floor Plan	401	/	/	/	/																			
First Floor Plan	402	/	/	/	A																			
Second Floor Plan	403	/	/	/	/																			
Elevation A-A	61			/	/																			
PROPOSED DRAWINGS																								
Basement Plan	11	/	A	/	A																			
Ground Floor Plan	12	/	A	/	A																			
First Floor Plan	13	/	/	/	A																			
Second Floor Plan	14			/	/																			
Roof Plan	15			/	/																			
Section A-A	31			/	A																			
Section B-B	32			/	/																			
Section C-C	33			/	A																			
Elevation A-A	51			/	/																			
Issued To		Copies																						
Susana Sousa (Architect)		1	1	1	1																			
Mahesh Varia (Client)		1	1	1	1																			
Hardman Structural Engineers		1	1	1	1																			
Total Copies		3	3	3	3																			
Issue Size		A3	A3	A3	A3																			
Purpose of Issue		P	P	P	P																			
Method of Issue		E	E	E	E																			
Issued By		TC	TC	TC	TC																			
Notes		Purpose of Issue		P = Preliminary		T = Tender		C = Construction																
		Method of Issue		P = Paper		E = Email		F = Fax																



Rev	Date	Comment	By

project	59 Solent Road, NW6 1TY	scale	1:1250 @A3	job no	2298
client	Mahesh Varia	designed by	AU	drawing no	01
title	Existing Site Location Plan	date	Oct 2016	status	Pre-Tender

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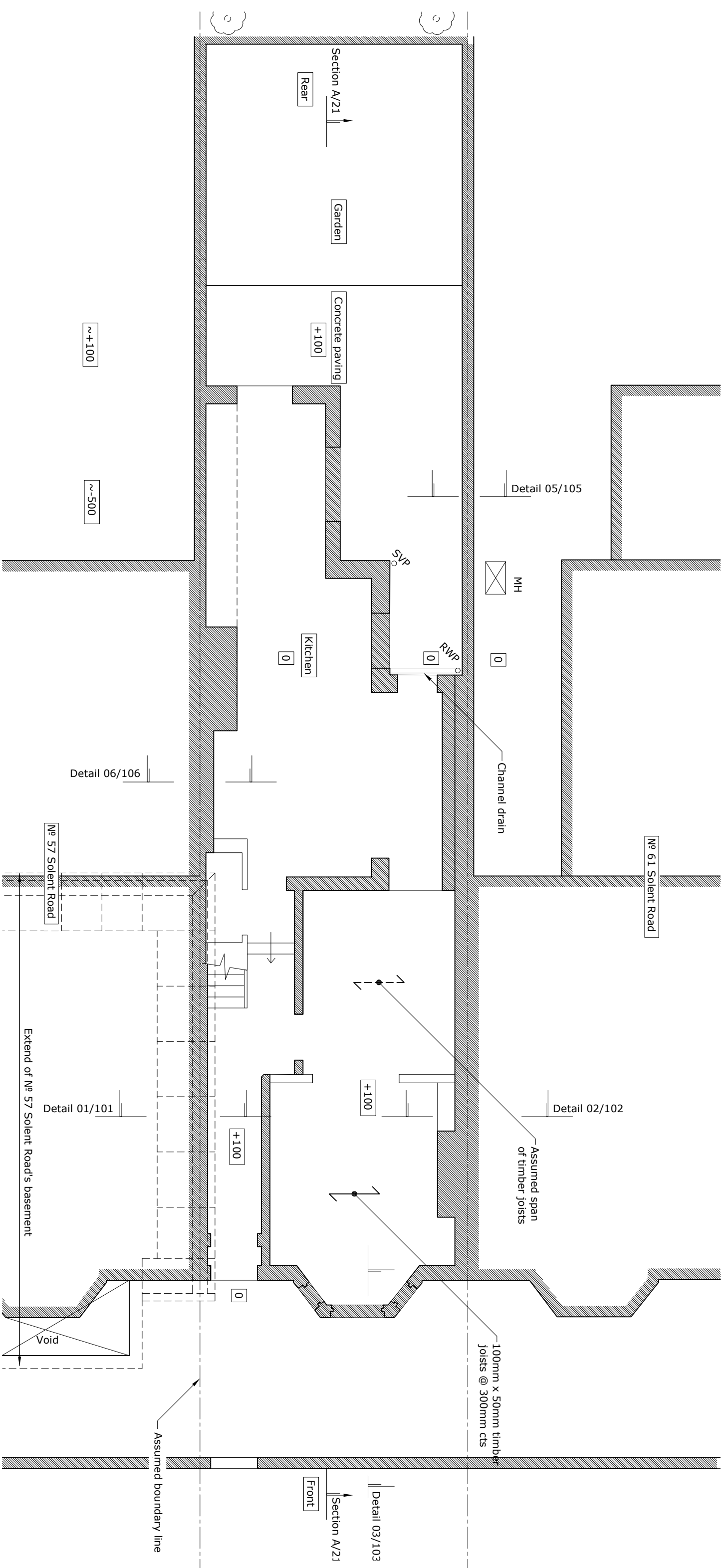
Tree Schedule		
Tree No.	Tree Type	Height (m)
T1	Unknown	~10m
T2	Plum	~7m

Note: All levels are approximate and relative to a localised datum on site.
According to geological map, the site's geology is London Clay with no superficial deposits recorded.

Rev.	Date	Comment	By

Project	59 Solent Road NW6 1TY	Scale	1:100 @ A3	Job No.	2298
Client	Mahesh Varia	Drawn by	AU	Drawing No.	02
Title	Existing Site Plan	Date	Oct 2016	Status	Pre-Tender

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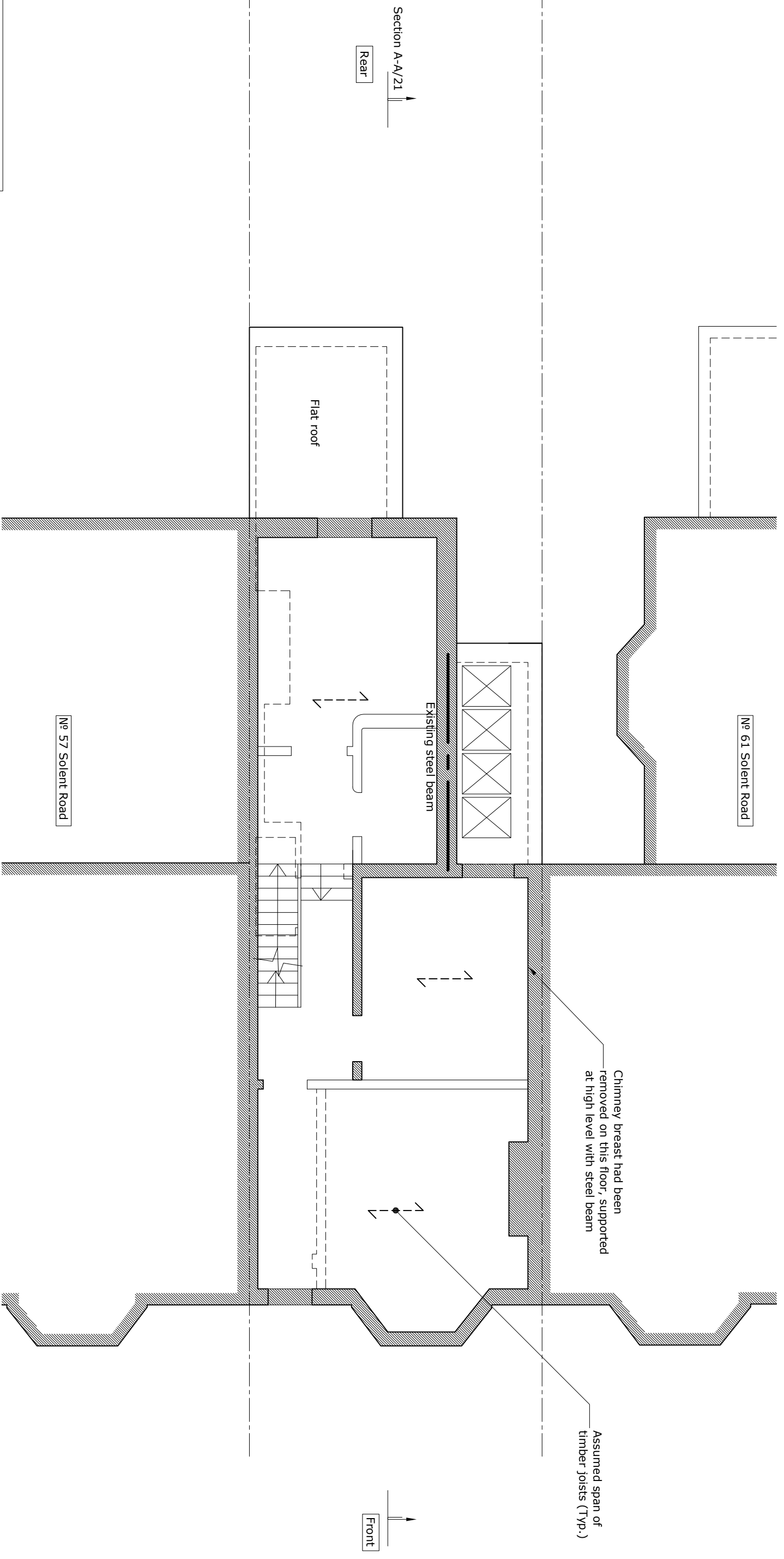


Note:
 1. All levels are approximate and relative to a localised datum on site.
 2. Survey has been carried out on ground floor only. Information also obtained from archived drawings hold by Building Control and Party Wall Award drawings to No.57 Solent Road.

Rev.	Date	Comment	By
A	02/12/16	Amended Layout	AU

Project	59 Solent Road, NW6 1TY	Scale	1:75 @ A3	Job No	2298
Client	Mahesh Varia	Drawn by	AU	Drawing No	03
Title	Existing Ground Floor Plan	Date	Oct 2016	Status	Pre-Tender
		Revised by		Revision	A

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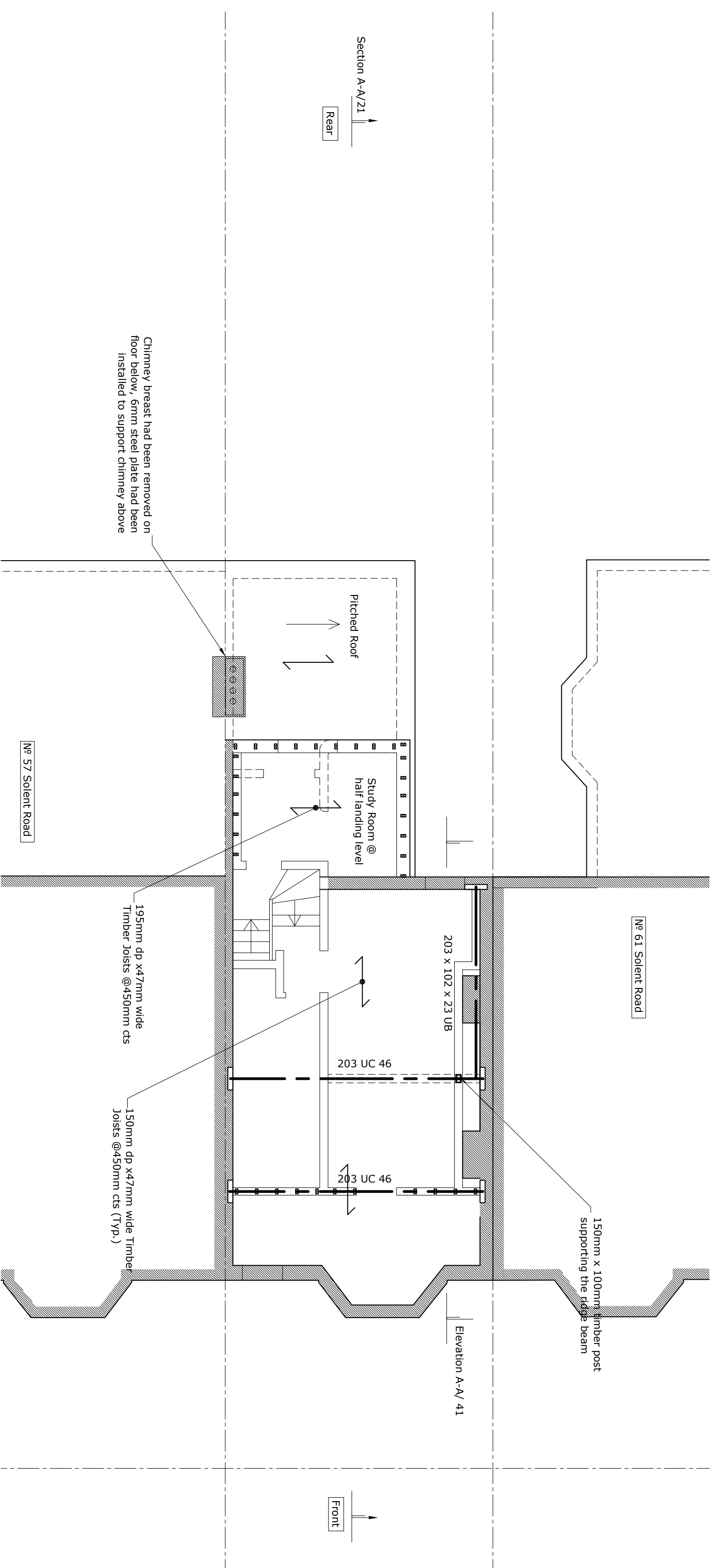
Note:
 1. All levels are approximate and relative to a localised datum on site.
 2. Survey has been carried out on ground floor only. Information also obtained from archived drawings hold by Building Control and Party Wall Award drawings to No.57 Solent Road.

Rev.	Date	Comment	By

Note
 1. Refer to Drawing 11 for general notes.

Project	59 Solent Road, NW6 1TY	Scale	1:75 @ A3	Job No	2298
Client	Mahesh Varia	Drawn by	AU	Drawing No	04
Title	Existing First Floor Plan	Date	Oct 2016	Status	Pre-Tender

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Note:
 1. All levels are approximate and relative to a localised datum on site.
 2. Survey has been carried out on ground floor only. Information also obtained from archived drawings hold by Building Control and Party Wall Award drawings to No.57 Solent Road.

Chimney breast had been removed on floor below, 6mm steel plate had been installed to support chimney above

150mm x 100mm timber post supporting the ridge beam

195mm dp x47mm wide Timber Joists @450mm cts

150mm dp x47mm wide Timber Joists @450mm cts (TYP.)

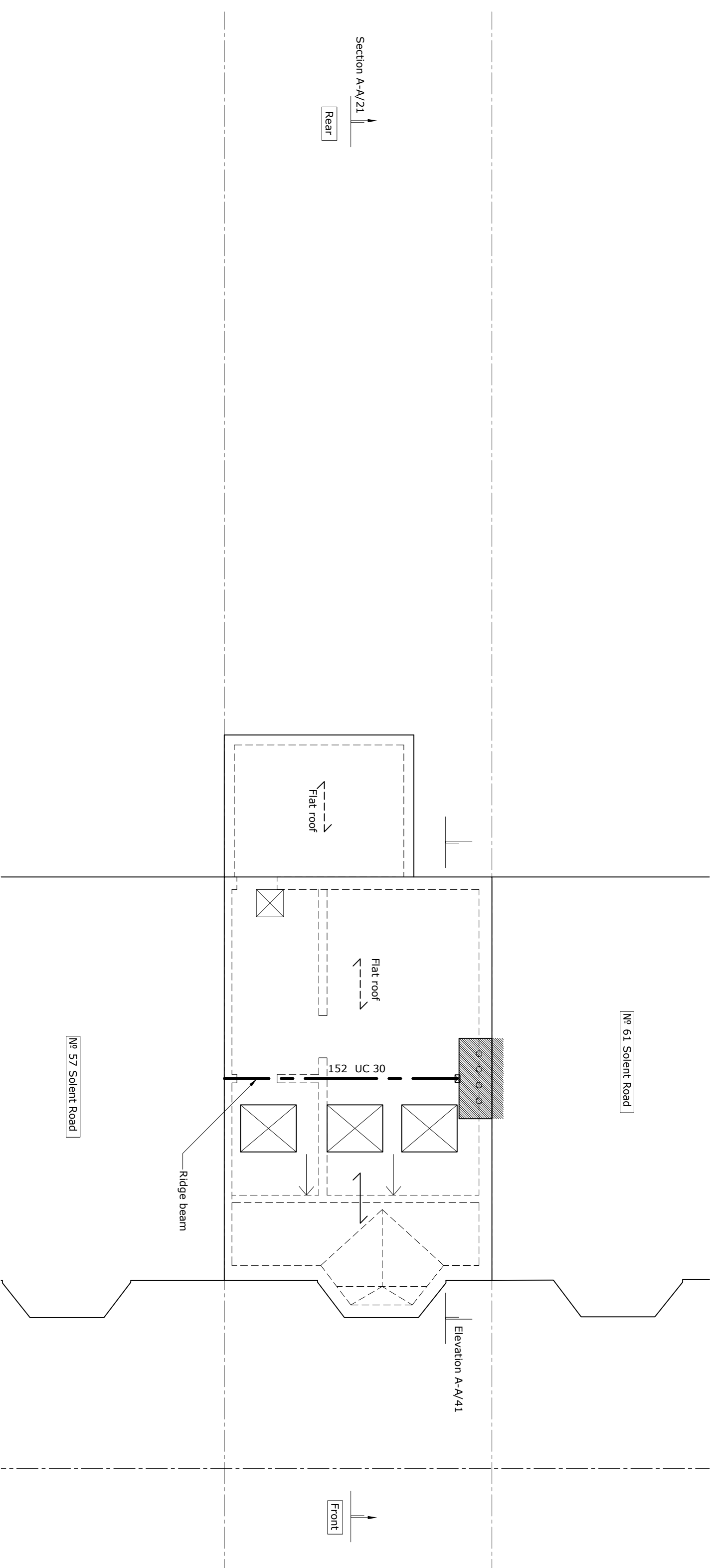
Rev.	Date	Comment	By

Note

1. Refer to Drawing 11 for general notes.

Project	59 Solent Road, NW6 1TY	Scale	1:75 @ A3	Job No	2298
Client	Mahesh Varia	Drawn by	AU	Drawing No	05
Title	Existing Second Floor Plan	Date	Oct 2016	Status	Pre-Tender

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Note:
 1. All levels are approximate and relative to a localised datum on site.
 2. Survey has been carried out on ground floor only. Information also obtained from archived drawings hold by Building Control and Party Wall Award drawings to No.57 Solent Road.

Rev.	Date	Comment	By

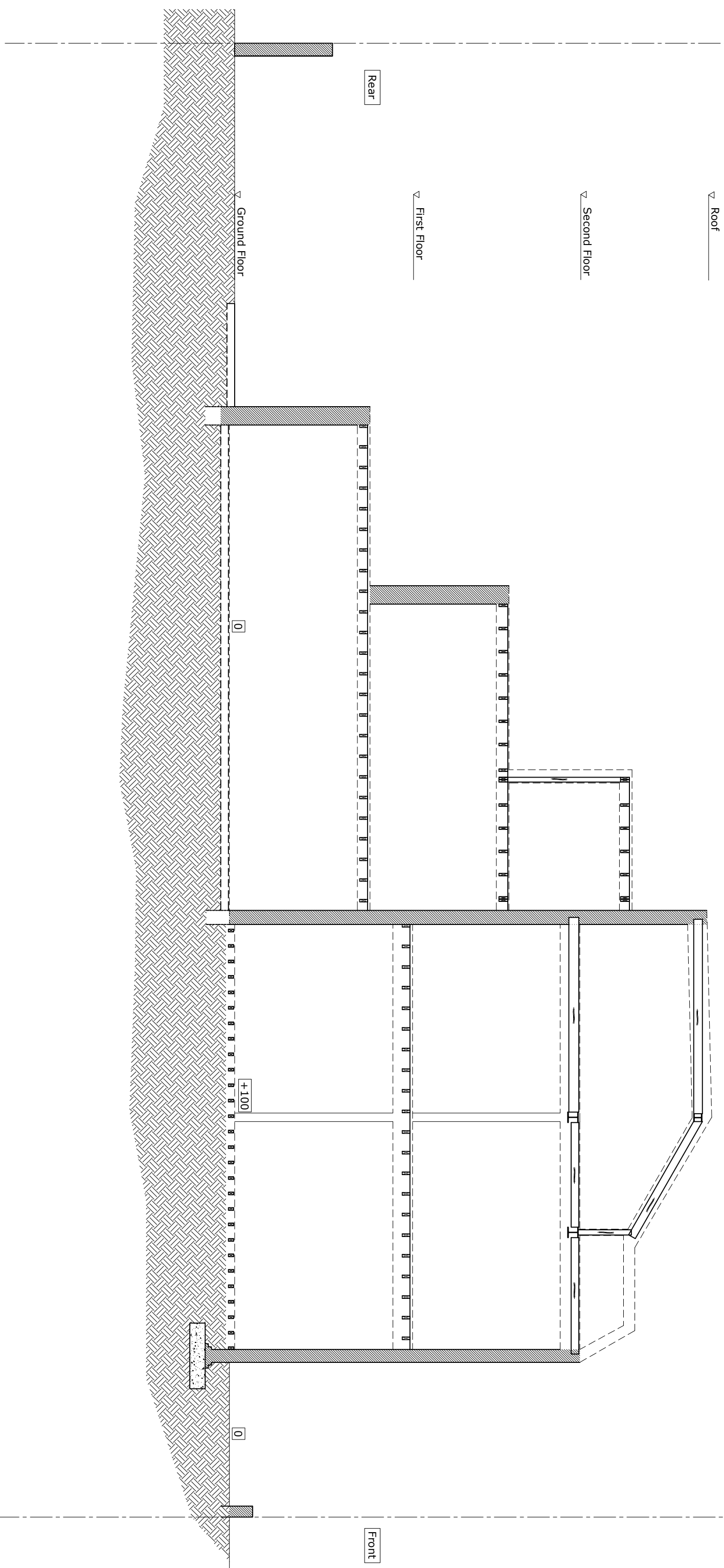
Note
 1. Refer to Drawing 11 for general notes.

Project	59 Solent Road, NW6 1TY	Scale	1:75 @ A3	Job No	2298
Client	Mahesh Varia	Drawn by	AU	Drawing No	06
Title	Existing Roof Plan	Date	Oct 2016	Status	Pre-Tender

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№ 16 № 59
Sumatra, Solent
Road Road

№ 59
Solent
Road
Public
walkway



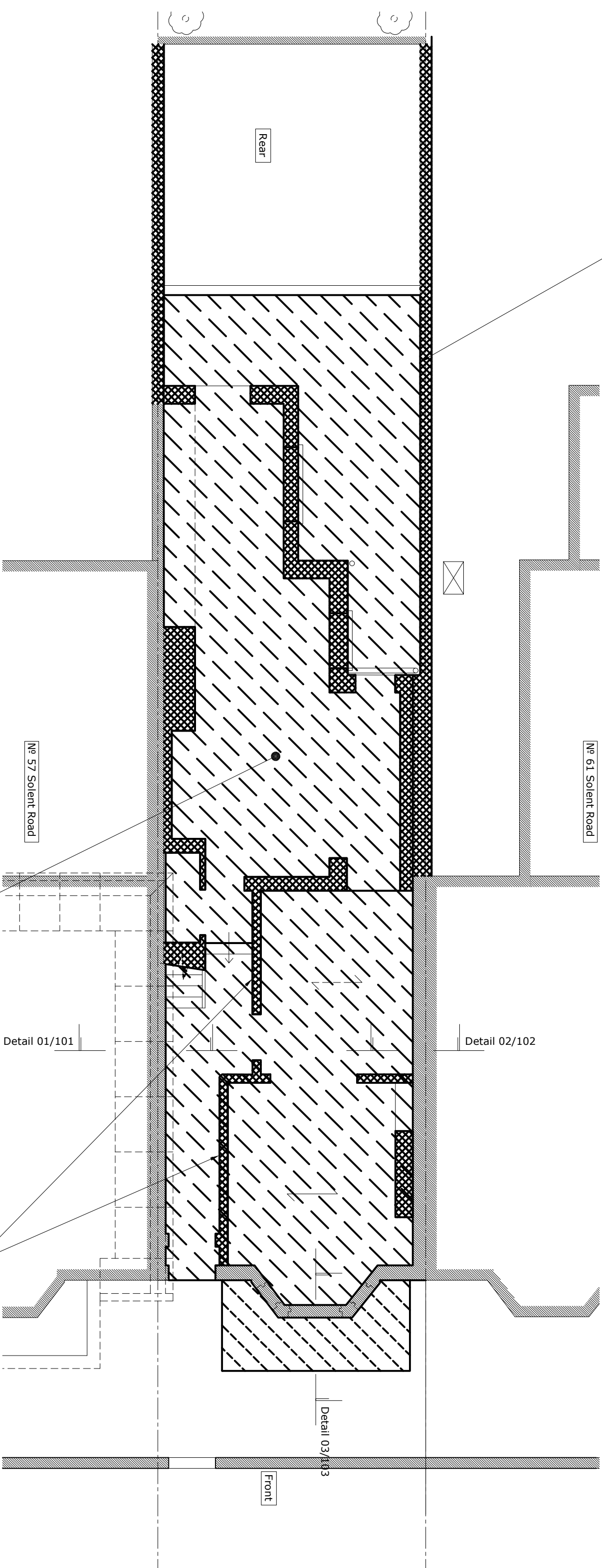
Rev.	Date	Comment	By

Note
1. Refer to Drawing 11 for general notes.

project 59 Solent Road, NW6 1TY		scale 1:75 @ A3		job № 2298	
client Mahesh Varia		designed by AU		drawing № 21	
title Existing Section A-A		date Oct 2016		revision	
status Prelim					

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Existing ~1.5m high garden wall to be demolished



Health and Safety Legends:

- ⚠️ **CAUTION :** Warning of significant design risks and site hazards
- **DO THIS :** Encourage a particular action
- ⊘ **DON'T DO THIS :** Avoid or prevent a particular action

Note:
Do not construct from this drawing

Note
Contractor to provide all necessary temporary propping in order to carry out these demolition works.

Existing ground bearing slab to be demolished. Slab to be taken out by sections where close to party wall. Refer to suggested sequencing drawings (typ.)

First floor joists need to be propped prior to these two walls demolition

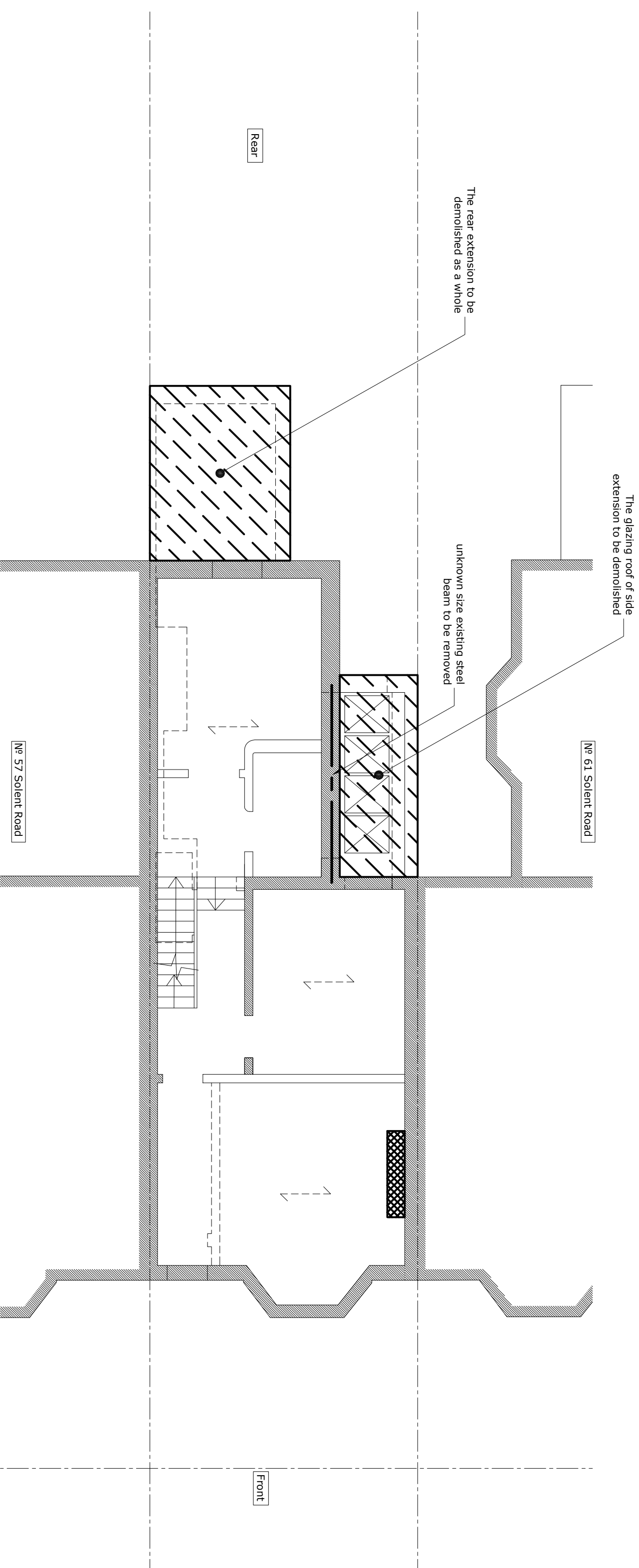
⚠️ **Note:**
Substantial temporary propping is required for the demolition work at this floor. **Contractor** to carry out temporary propping design and inform **Engineer** for approval.

Rev.	Date	Comment	By

Note
1. Refer to Drawing 11 for general notes.

project	59 Solent Road, NW6 1TY	scale	1:75 @ A3	job no	2298
client	Mahesh Varia	drawn by	AU	date	Oct 2016
title	Demolition	status	Prelim	revision	401
Ground Floor Plan					

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The glazing roof of side extension to be demolished

The rear extension to be demolished as a whole

unknown size existing steel beam to be removed

Rear

No 61 Solent Road

No 57 Solent Road

Front

Note:
Do not construct from this drawing

Note:
Contractor to provide all necessary temporary propping in order to carry out these demolition works.

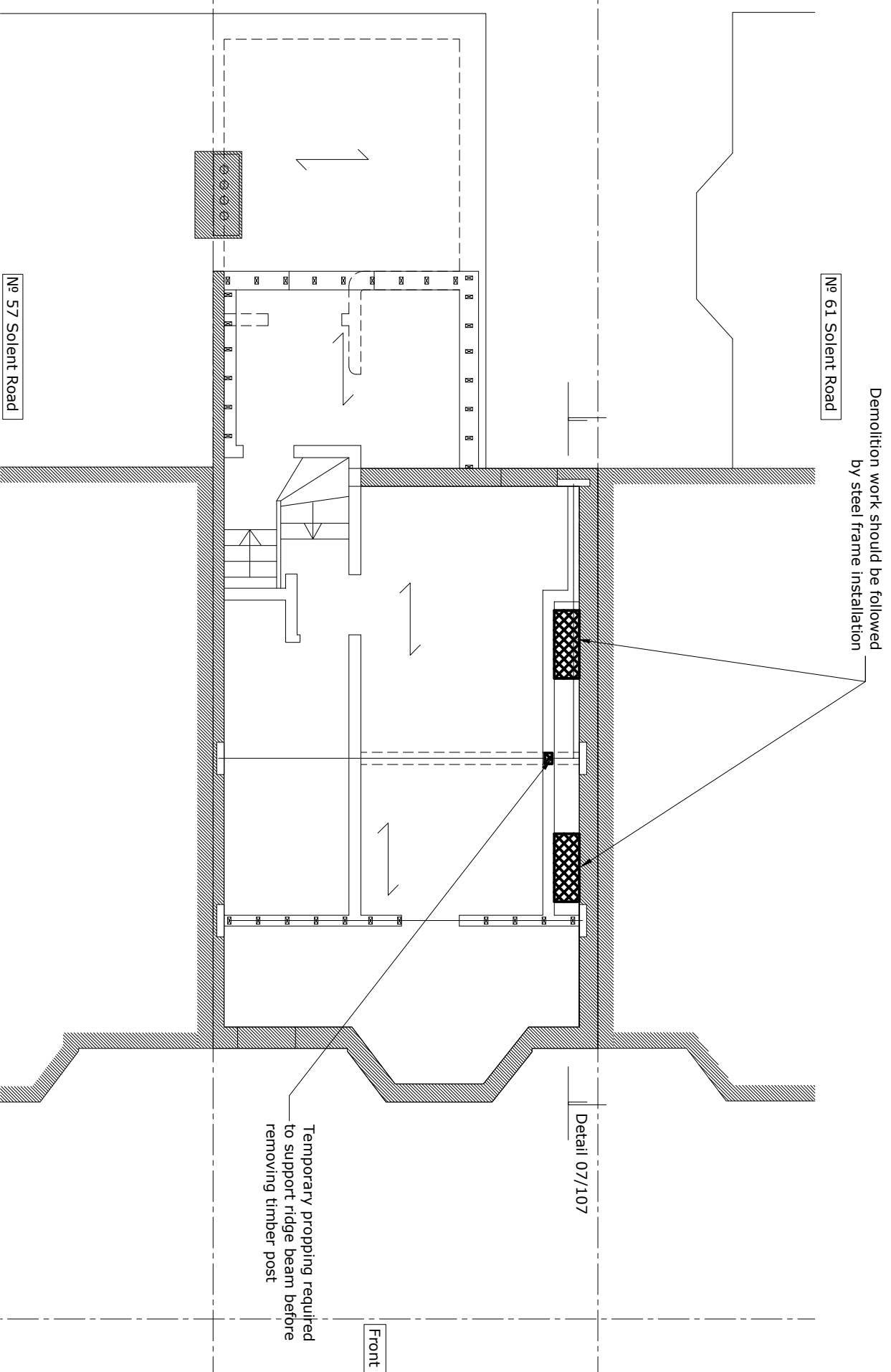
Rev	Date	Comment	By
A	02/12/16	Amended Layout	AU

Note

1. Refer to Drawing 11 for general notes.

project	59 Solent Road, NW6 1TY	scale	1:75 @ A3	job no	2298
client	Mahesh Varia	drawn by	AU	drawing no	402
title	Demolition	date	Oct 2016	revision	A
	First Floor Plan	status	Prelim		

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Rear

Front

No 61 Solent Road

No 57 Solent Road

Demolition work should be followed
by steel frame installation

Detail 07/107

Temporary propping required
to support ridge beam before
removing timber post

Note:
Do not construct from this drawing

Note
Contractor to provide all necessary
temporary propping in order to
carry out these demolition works.

Rev	Date	Comment	By

Note
1. Refer to Drawing 11 for general notes.

project	59 Solent Road, NW6 1TY	scale	1:75 @ A3	job no	2298
client	Mahesh Varia	drawn by	AU	drawing no	403
title	Demolition	date	Oct 2016	revision	
	Second Floor Plan	status	Prelim		

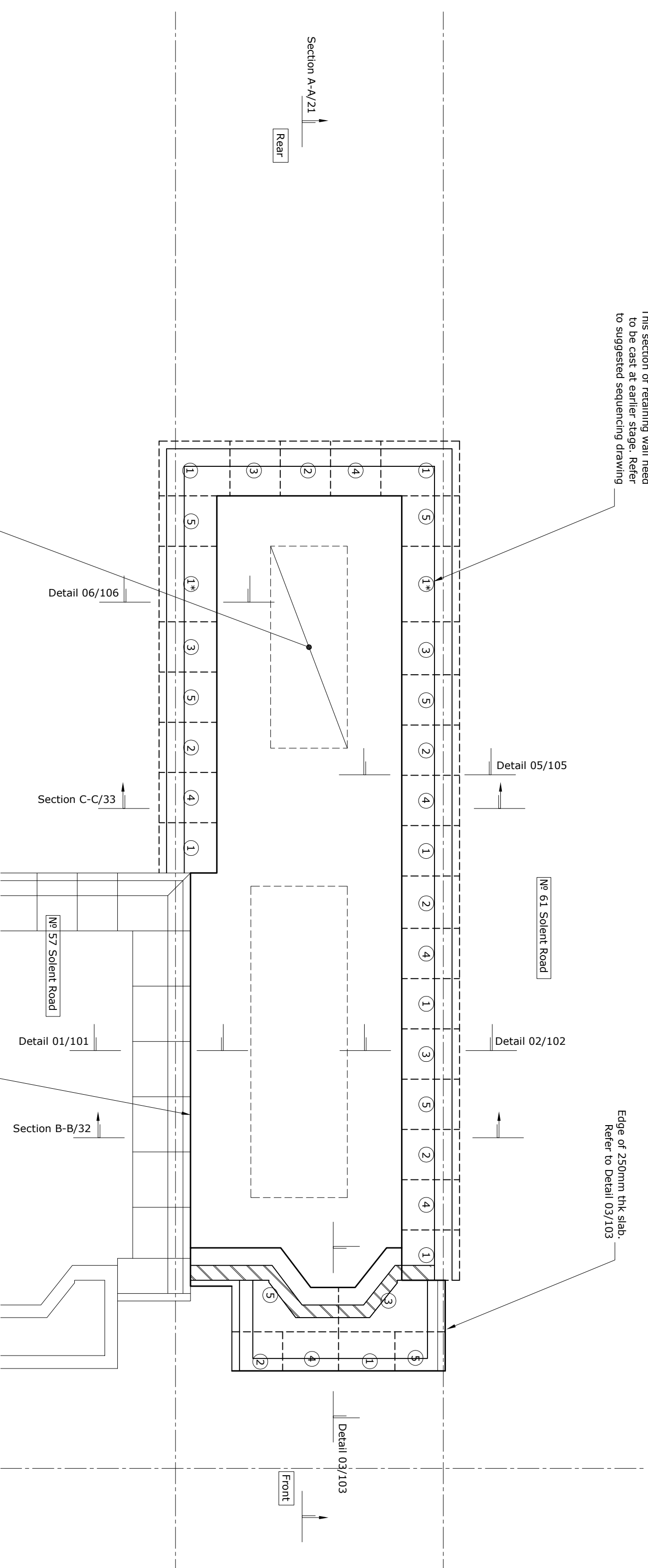
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Note:
Do not construct from this drawing

This section of retaining wall will need to be cast at earlier stage. Refer to suggested sequencing drawing

Edge of 250mm thk slab.
Refer to Detail 03/103

● Excavate the soil to 300mm below the bottom of the slab over this area. This is designed to protect the slab from soil heave. (Typ.)



Health and Safety Legends:

- ⚠ **CAUTION :** Warning of significant design risks and site hazards
- **DO THIS :** Encourage a particular action
- ⊘ **DON'T DO THIS :** Avoid or prevent a particular action

General Notes

1. Do not scale from this drawing.
2. This drawing is to be read in conjunction with all relevant Engineers and Architects drawings and specifications.
3. Report any discrepancies between this drawing and on site to the Engineer.
4. Contractor is responsible for temporary propping.

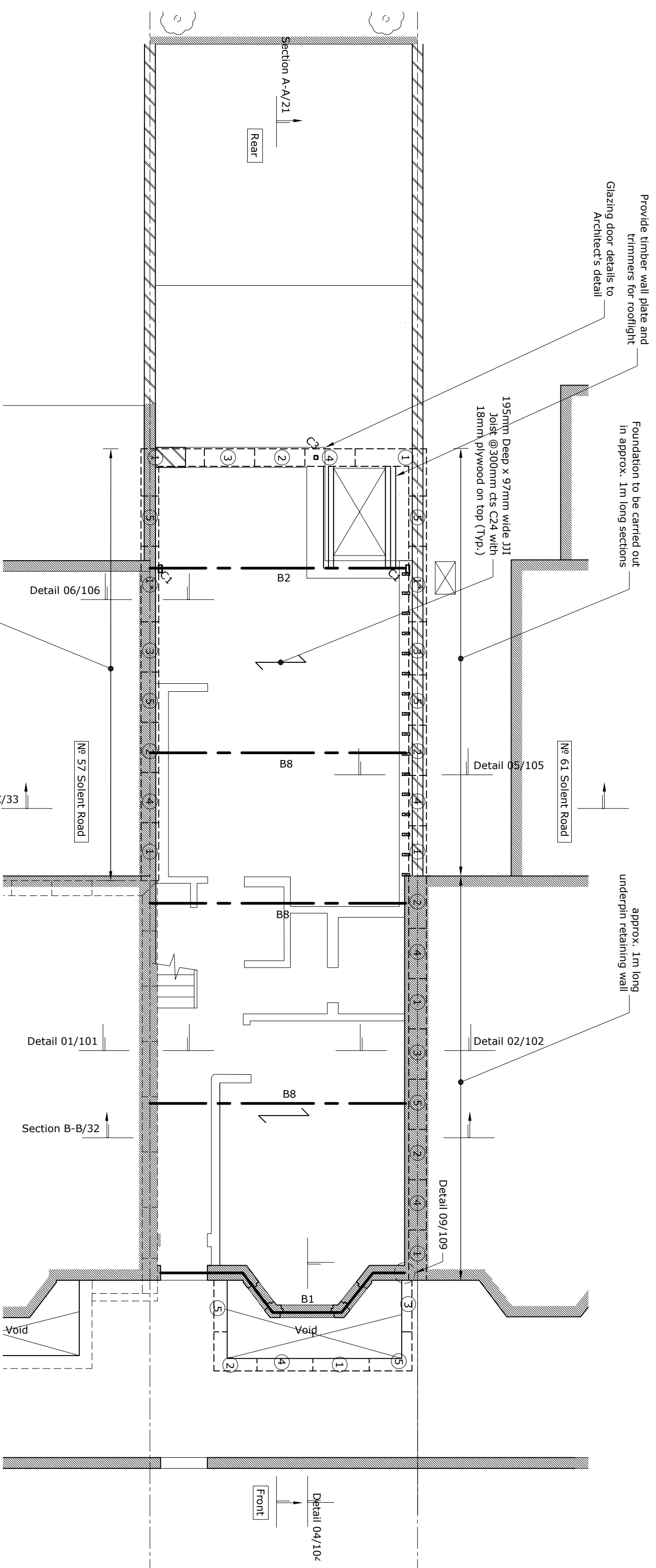
Rev.	Date	Comment	By
A	05/12/16	Updated Layout	AU

Project	59 Solent Road, NW6 1TY	scale	1:75 @ A3	job no	2298
client	Mahesh Varia	designed by	AU	drawing no	11
title	Proposed Basement Floor Plan	date	Oct 2016	status	Pre-Tender
				revision	A

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Note: Underground drainage to Architect's details

Note:
Do not construct from this drawing



Health and Safety Legends:

- ▲ **CAUTION:** Warning of significant design risks and site hazards
- **DO THIS:** Encourage a particular action
- **DON'T DO THIS:** Avoid or prevent a particular action

Approx. 1m long underpin/ retaining wall to be carry out in sections. Follow the numbering system on this drawing. (Typ.)

- **Contractor** to dig a trial pit next to this wall before carry out the underpinning. **Contractor** to inform **Engineer**

Rev.	Date	Comment	By
A	05/12/16	Updated Layout	AU

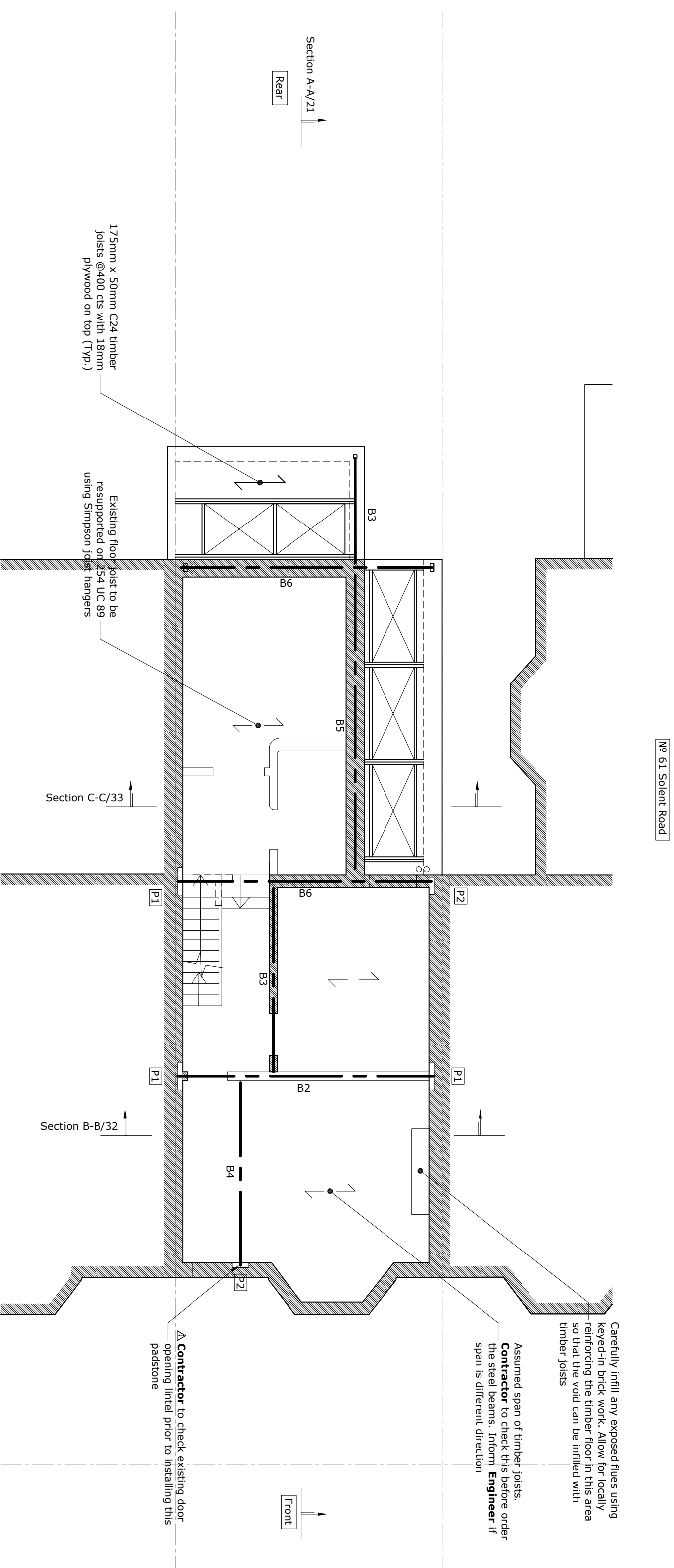
Note
1. Refer to Drawing 11 for general notes.

Steel Column Schedule	
C1	160 x 80 x 10 RHS
C2	150 x 90 PFC
C3	80 SHS 8

Steel Beam Schedule	
B1	100 SHS 10 with 100 X 100 UKA two beam to be pre-welded in projection shape and bolted together by M16 Grade 8.8 Hollow-bolts @400 cts. (Galvanised all steelwork here)
B2	203 UC 46
B8	120 SHS 8

project	59 Solent Road, NW6 1TY	scale	1:75 @ A3	job no	2298
client	Mahesh Varia	drawn by	AU	date	Oct 2016
title	Proposed Ground Floor Plan	status	Pre-Tender	revision	A

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Health and Safety Legends:

⚠️ **CAUTION** : Warning of significant design risks and site hazards

● **DO THIS** : Encourage a particular action

⊘ **DON'T DO THIS** : Avoid or prevent a particular action

Rev.	Date	Comment	By
A	05/12/16	Updated Layout	AU

Note

1. Refer to Drawing 11 for general notes.

Padstone Schedule

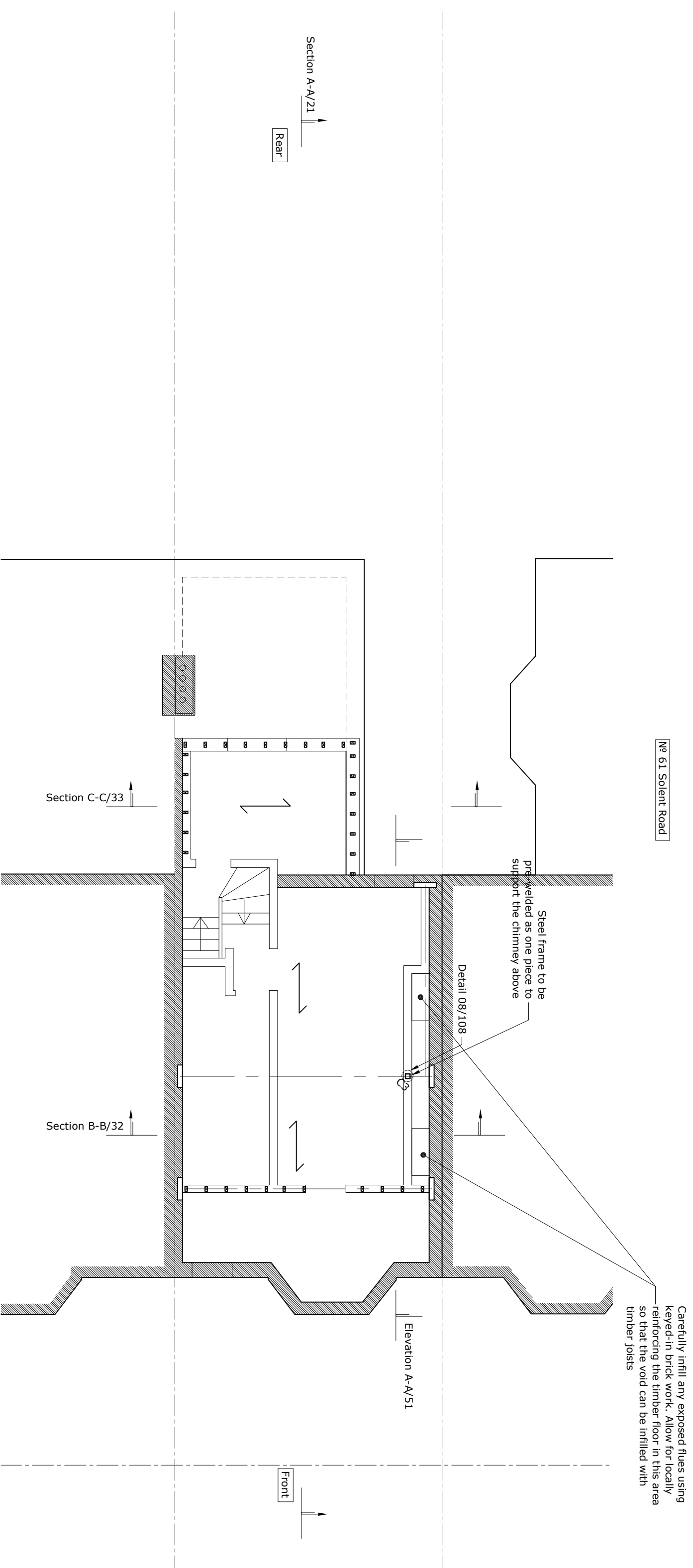
Padstone	Description
P1	100 x 500 x 215 dp concrete padstone
P2	100 x 330 x 140 dp concrete padstone

Steel Beam Schedule

Beam	Description
B2	203 UC 46
B3	150 x 75 x 18 PFC
B4	160 x 80 RHS 6.3
B5	254 UC 89
B6	203 UC 86

Project	59 Solent Road, NW6 1TY	Scale	1:75 @ A3	Job No	2298
Client	Mahesh Varia	Drawn by	AU	Checked by	13
Title	Proposed First Floor Plan	Date	Oct 2016	Status	Pre-Tender

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Rev	Date	Comment	By

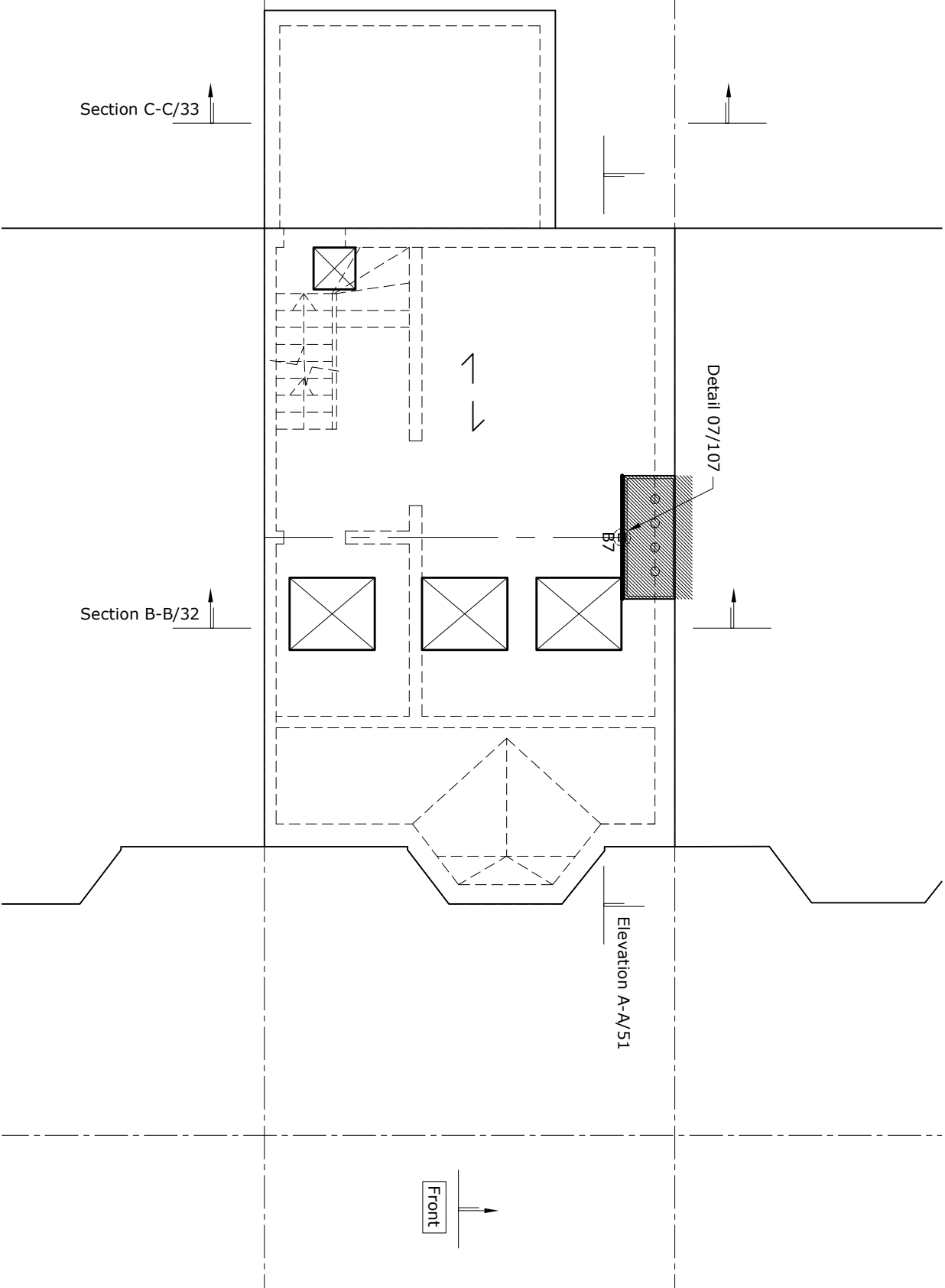
Note
1. Refer to Drawing 11 for general notes.

Project	59 Solent Road, NW6 1TY	Scale	1:75 @ A3	Job No	2298
Client	Mahesh Varia	Drawn by	AU	Drawing No	14
Title	Proposed Second Floor Plan	Date	Oct 2016	Status	Pre-Tender

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Steel Column Schedule	
C3	100 SHS 10

No 61 Solent Road



Section A-A/21
Rear

Section C-C/33

Section B-B/32

Detail 07/107

Elevation A-A/51

Front

No 57 Solent Road

Steel Beam Schedule	
B7	100 SHS 10

Rev.	Date	Comment	By

Note

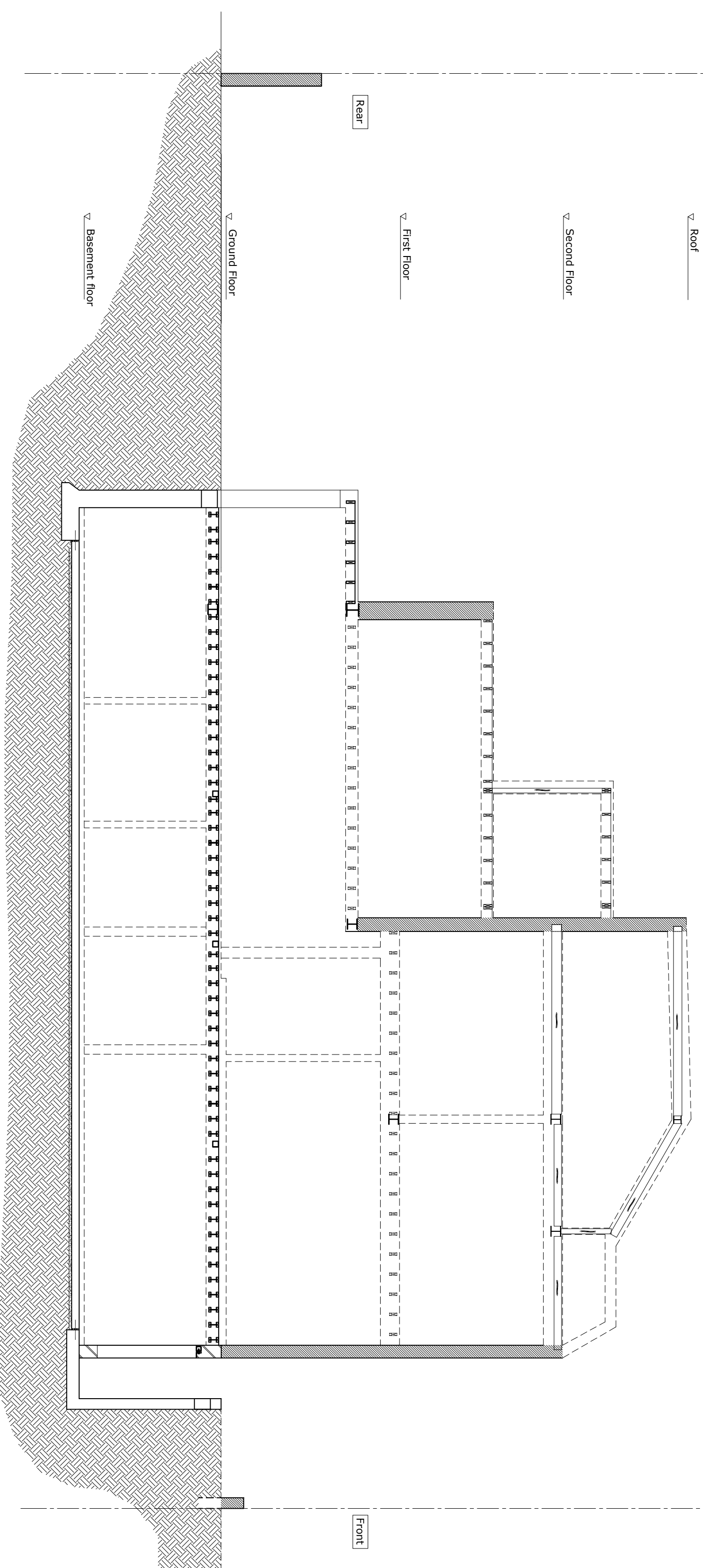
1. Refer to Drawing 11 for general notes.

Project	59 Solent Road, NW6 1TY	Scale	1:75 @ A3	Job No	2298
Client	Mahesh Varia	Drawn by	AU	Drawing No	15
Title	Proposed Roof Plan	Date	Oct 2016	Status	Pre-Tender

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№ 16 № 59
Sumatra, Solent
Road Road

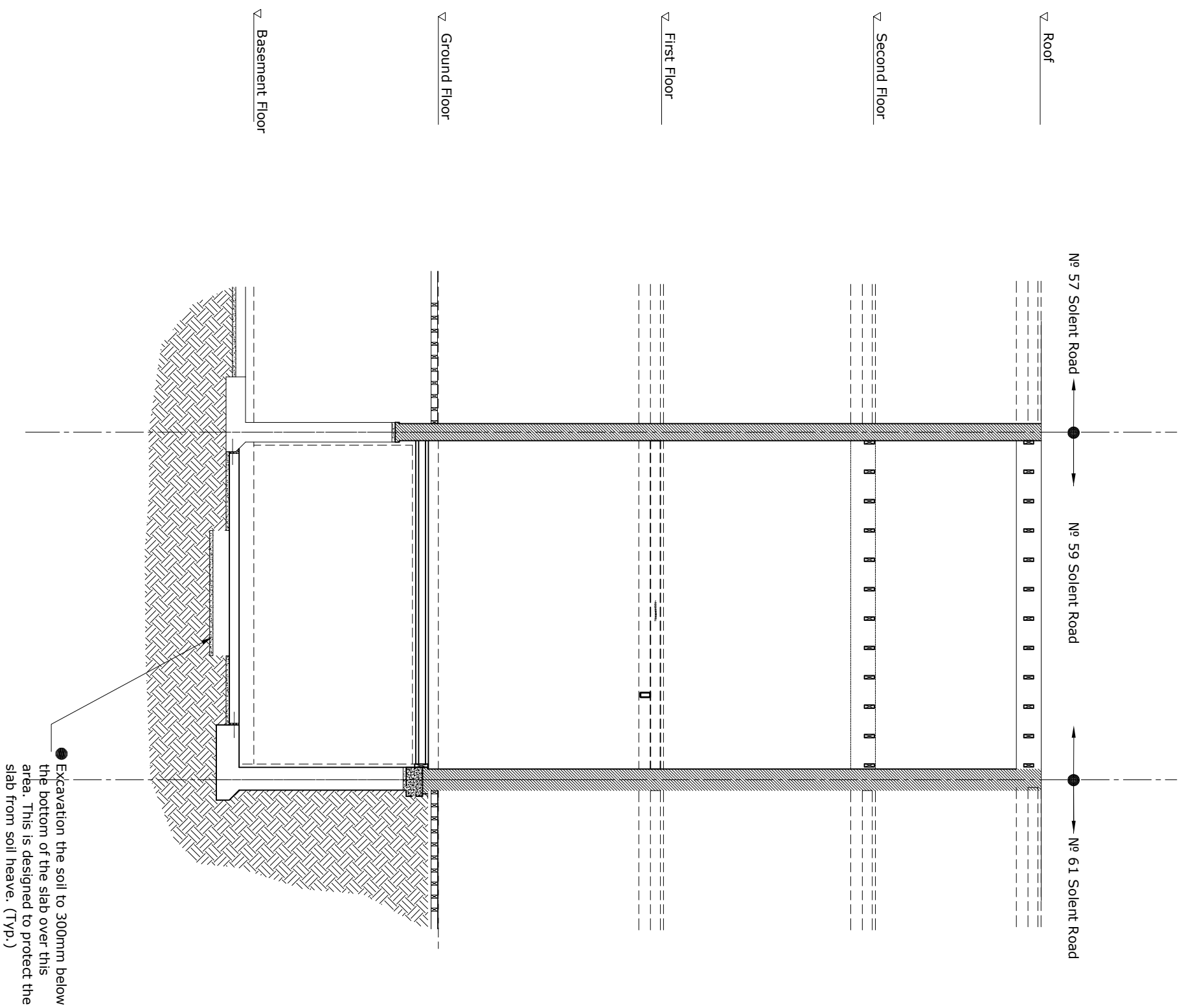
№ 59
Solent
Road
Public
walkway



Rev.	Date	Comment	By
A	05/12/16	Updated Layout	AU

project	59 Solent Road, NW6 1TY	scale	1:75 @ A3	job №	2298
client	Mahesh Varia	designed by	AU	drawing №	31
title	Proposed Section A-A	date	Oct 2016	revision	A
		status	Prelim		

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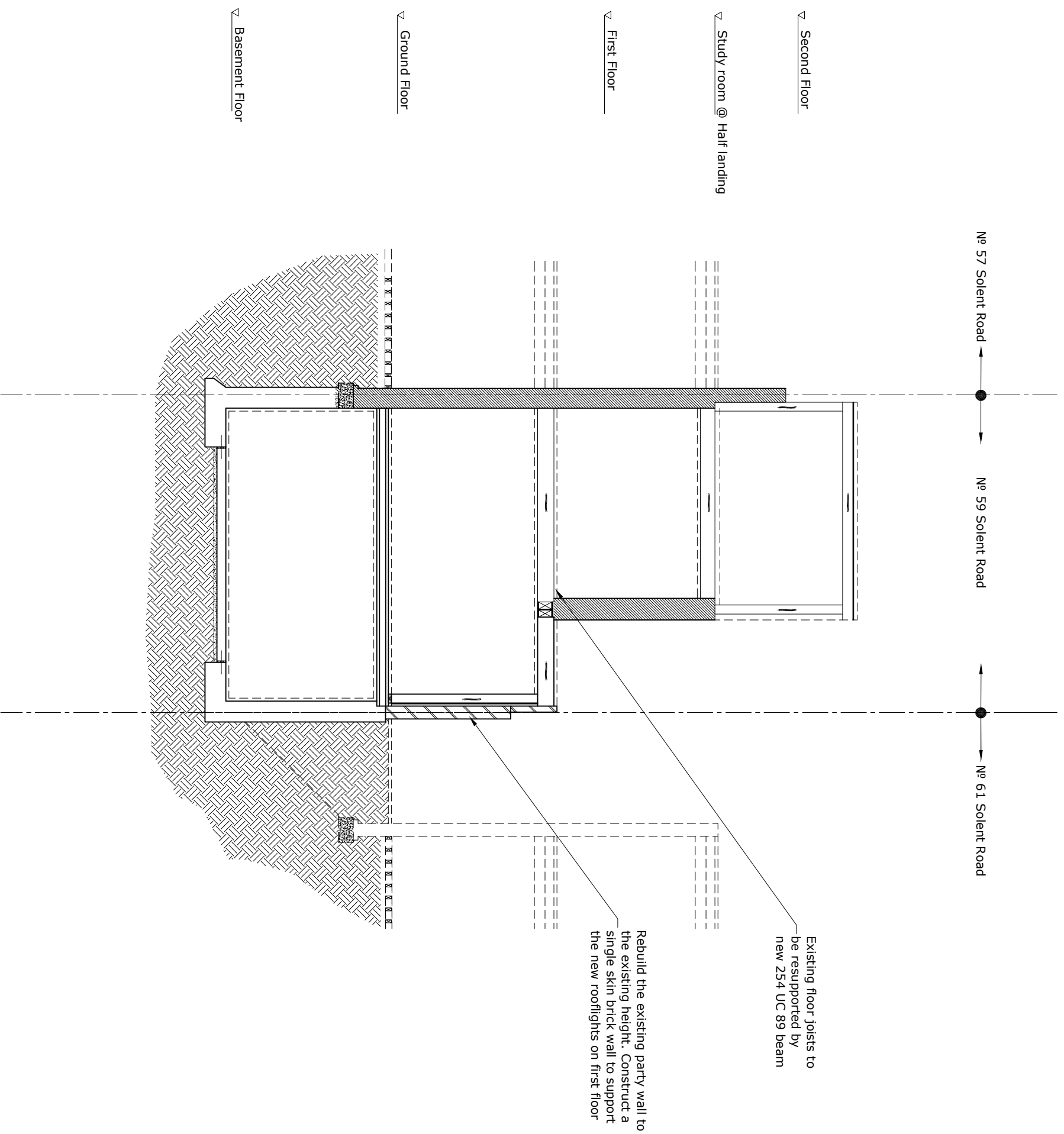
Rev.	Date	Comment	By

Note

1. Refer to Drawing 11 for general notes.

project	59 Solent Road, NW6 1TY	scale	1:75 @ A3	job no	2298
client	Mahesh Varia	designed by	AU	drawing no	32
title	Proposed Section B-B	date	Oct 2016	revision	
		status	Prelim		

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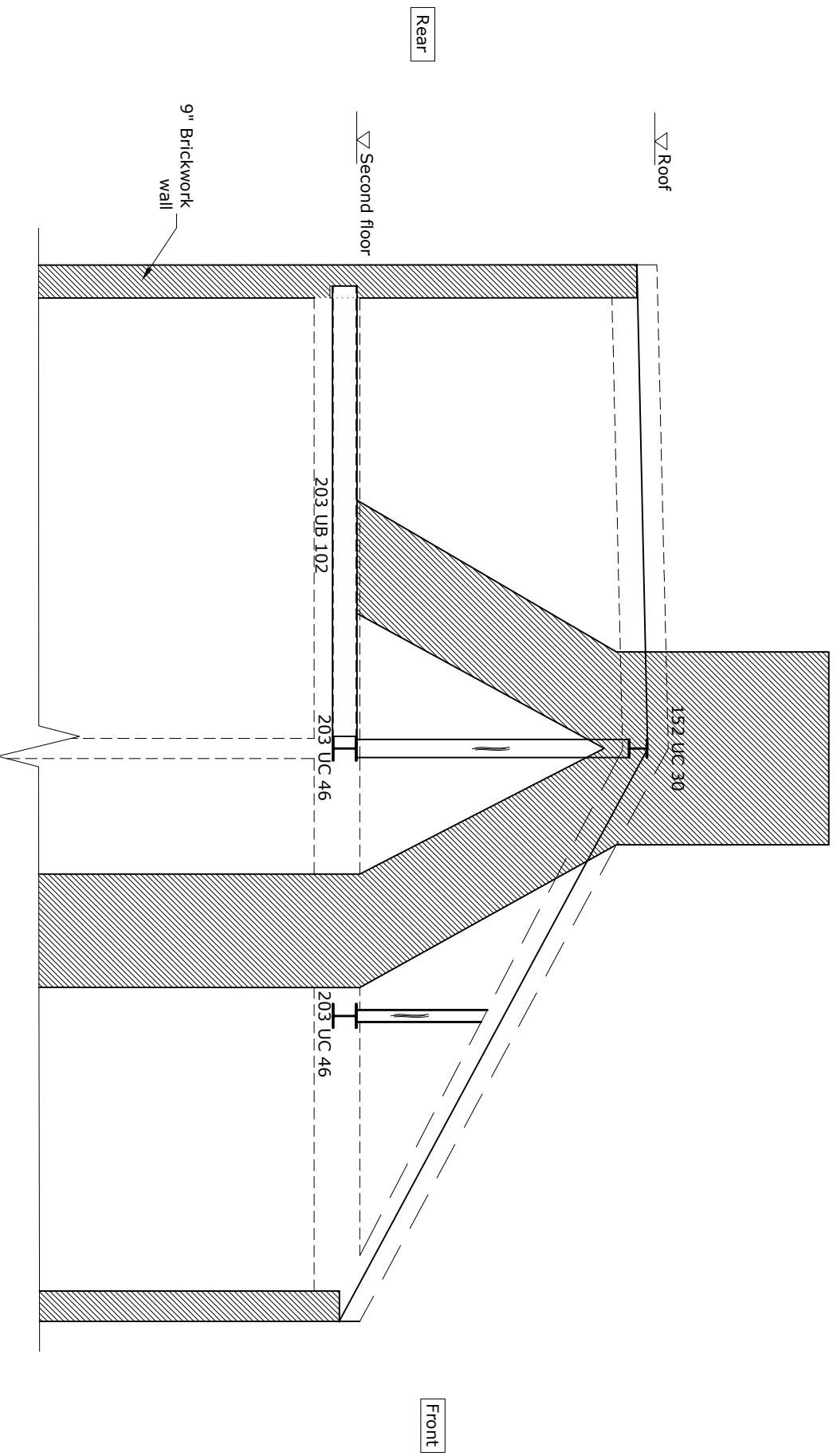
Rev.	Date	Comment	By
A	05/12/16	Changed Layout	AU

Note

1. Refer to Drawing 11 for general notes.

project	59 Solent Road, NW6 1TY	scale	1:75 @ A3	job no	2298
client	Mahesh Varia	drawn by	AU	drawing no	33
title	Proposed Section C-c	date	Oct 2016	revision	A
		status	Prelim		

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ELEVATION A-A
EXISTING

Health and Safety Legends:

 **CAUTION :** Warning of significant design risks and site hazards
 **DO THIS :** Encourage a particular action
 **DON'T DO THIS :** Avoid or prevent a particular action

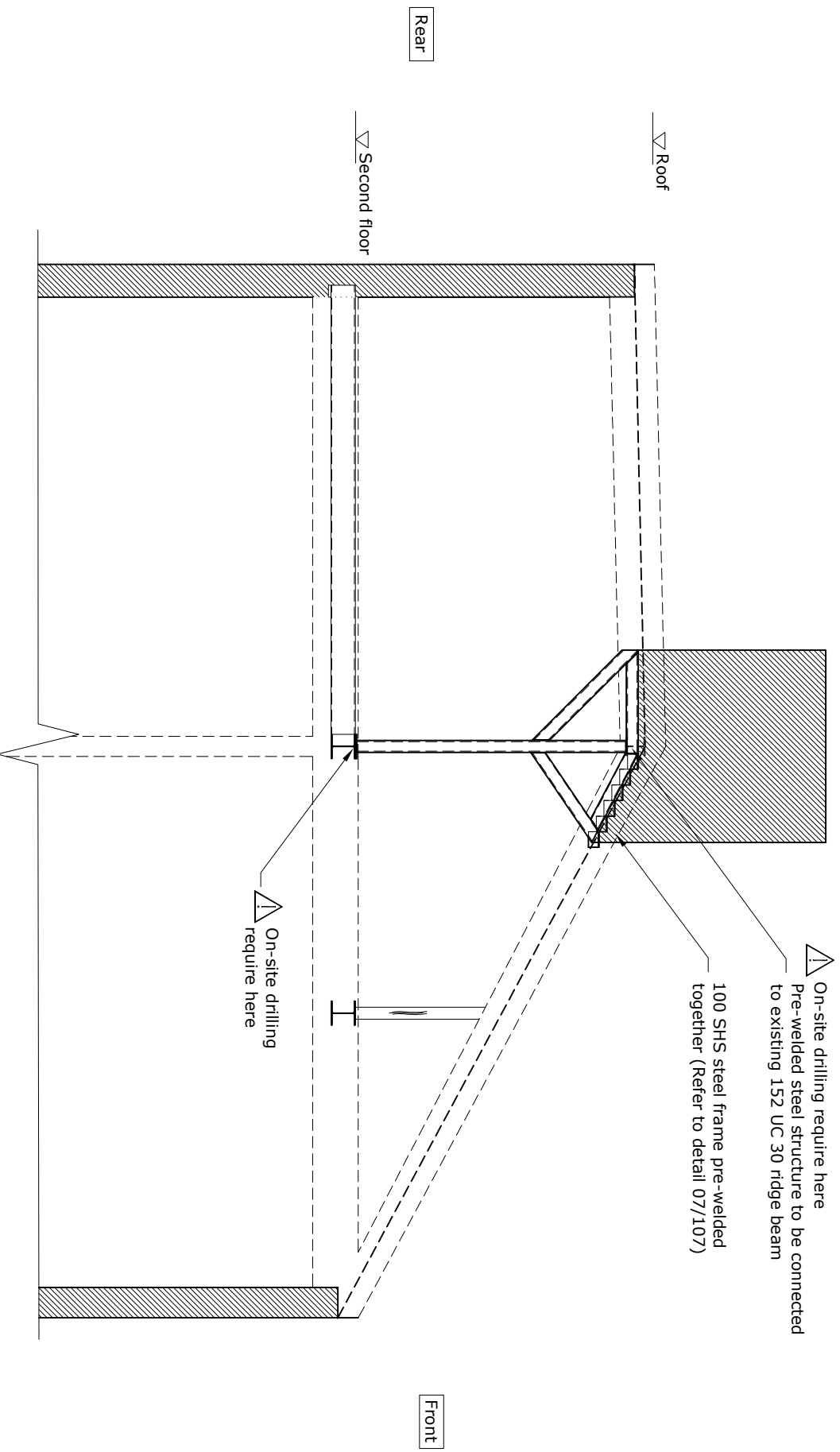
Rev.	Date	Comment	By

Note

1. Refer to Drawing 11 for general notes.

Project 59 Solent Road, NW6 1TY		scale 1:50 @ A3	job no 2298
client Mahesh Varia	designed by AU	date Oct 2016	status Pre-Tender
title Existing Elevation A-A	revision	drawing no 41	

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ELEVATION A-A
PROPOSED

Health and Safety Legends:

- ⚠️ **CAUTION :** Warning of significant design risks and site hazards
- **DO THIS:** Encourage a particular action
- ⊘ **DON'T DO THIS :** Avoid or prevent a particular action

Rev.	Date	Comment	By

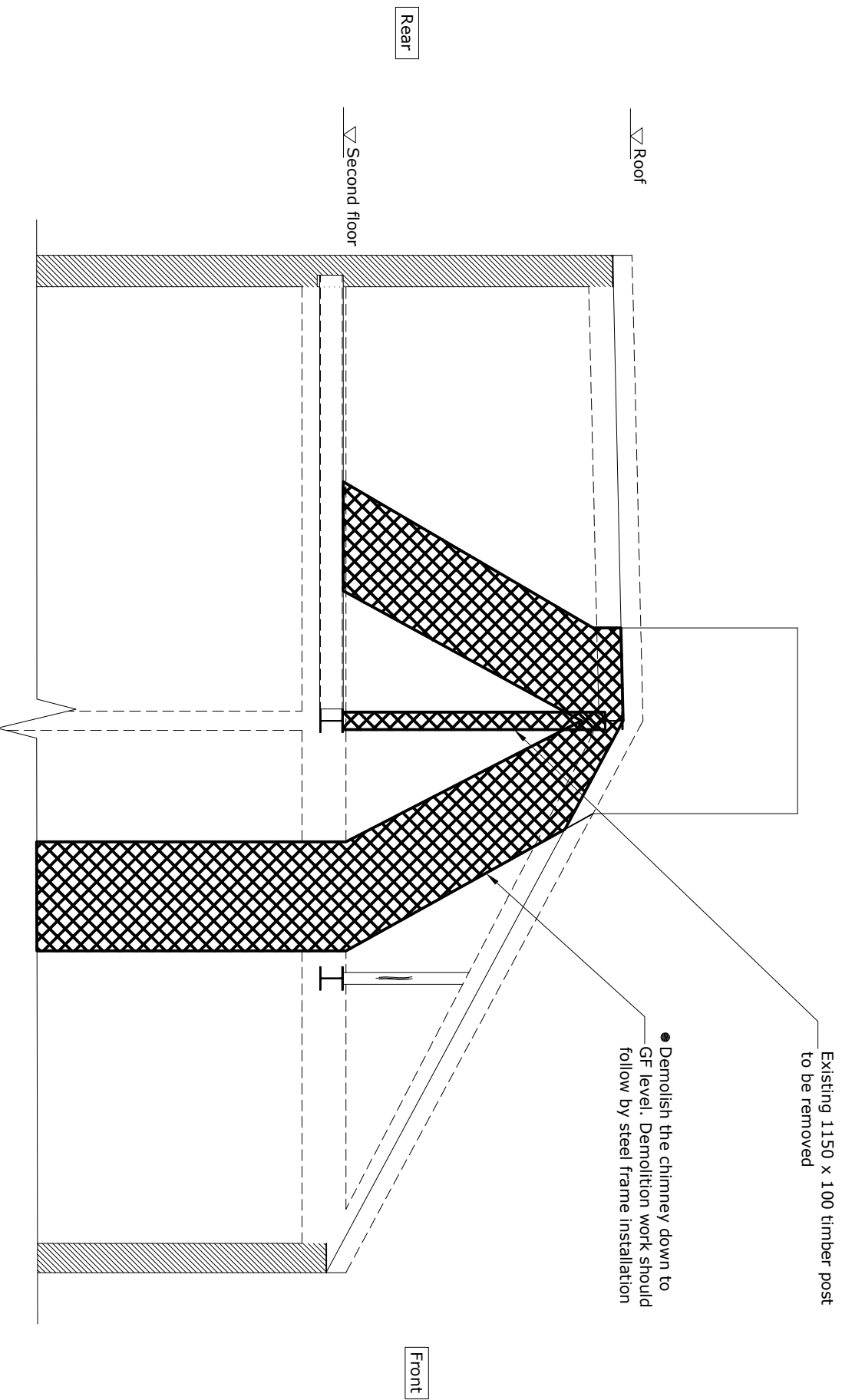
Note

1. Refer to Drawing 11 for general notes.

Note:
All steelwork here to be galvanised

project	59 Solent Road, NW6 1TY	scale	1:50 @ A3	job no	2298
client	Mahesh Varia	designed by	AU	drawing no	51
title	Proposed Elevation A-A	date	Oct 2016	status	Pre-Tender
revision					

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ELEVATION A-A
DEMOLITION

Health and Safety Legends:

- ⚠ **CAUTION :** Warning of significant design risks and site hazards
- **DO THIS :** Encourage a particular action
- ⊘ **DON'T DO THIS :** Avoid or prevent a particular action

Rev.	Date	Comment	By

Note

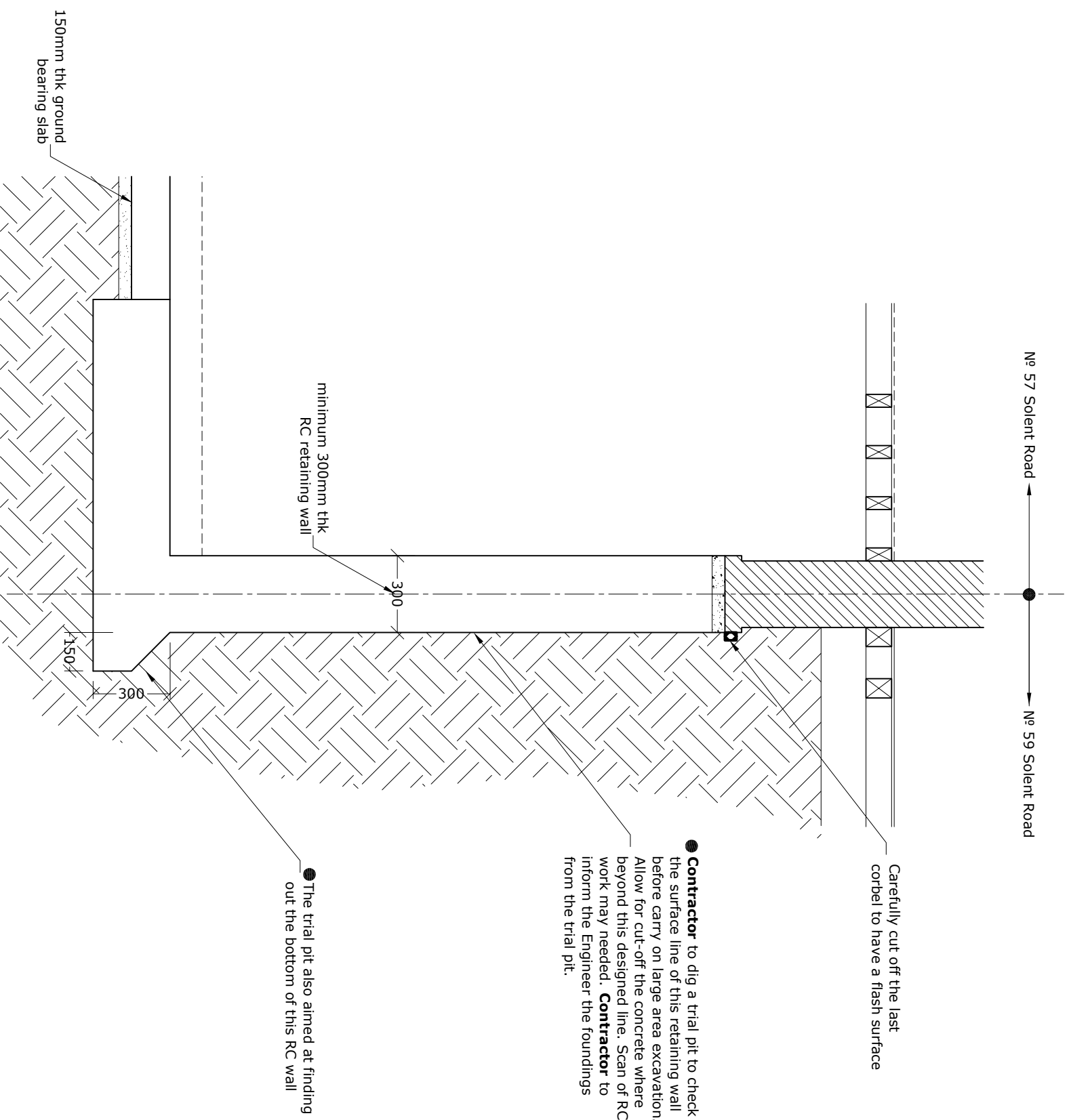
1. Refer to Drawing 11 for general notes.

project	59 Solent Road, NW6 1TY	scale	1:50 @ A3	job no	2298
client	Mahesh Varia	designed by	AU	drawing no	61
title	Demolition Elevation A-A	date	Oct 2016	status	Pre-Tender

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№ 57 Solent Road

№ 59 Solent Road



DETAIL 01
EXISTING AND
DEMOLITION SECTION

Health and Safety Legends:

CAUTION : Warning of significant design risks and site hazards

DO THIS : Encourage a particular action

DON'T DO THIS : Avoid or prevent a particular action

Note:
Information obtained from archived party wall award drawing carried out 2011

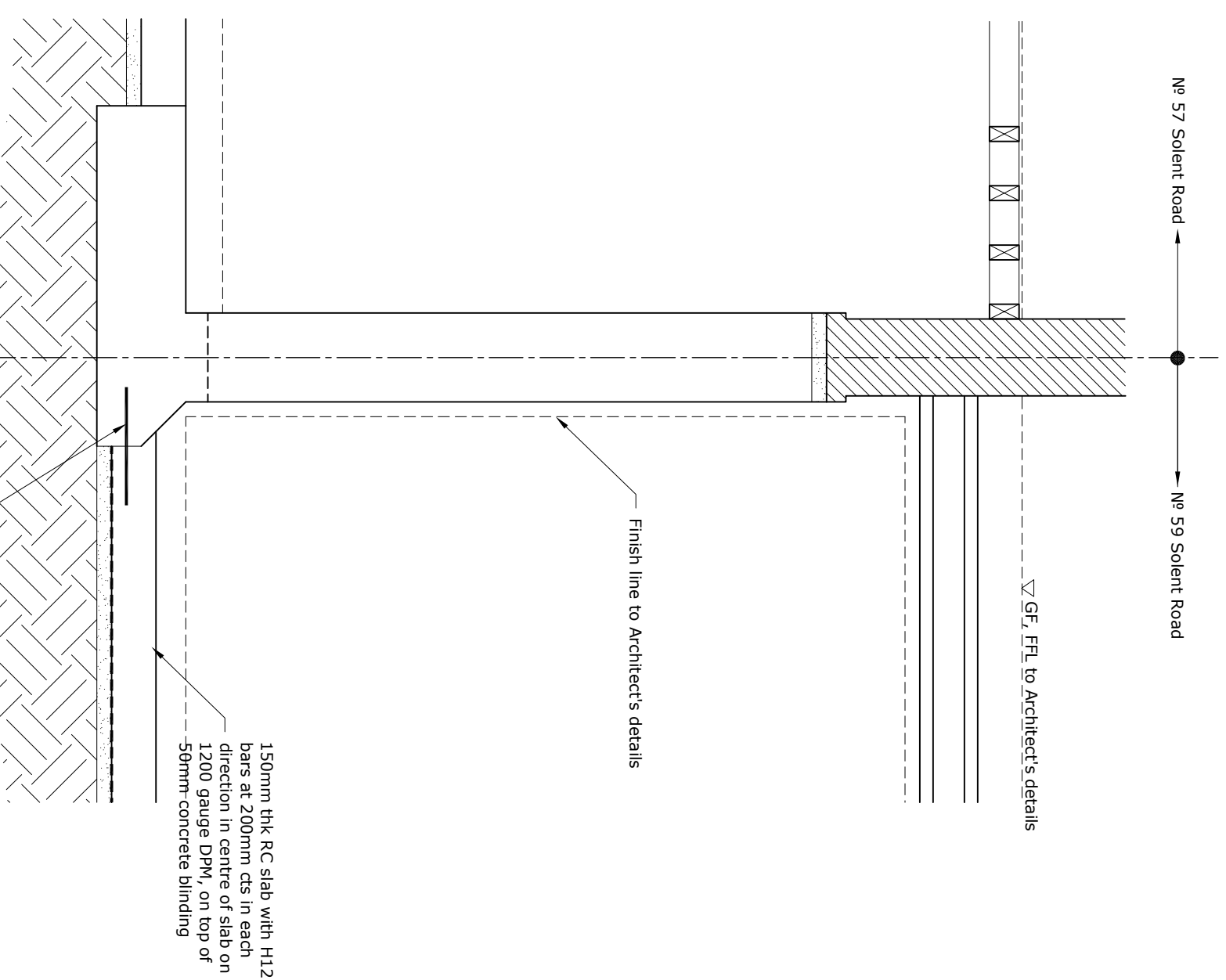
● **Contractor** to dig a trial pit to check the surface line of this retaining wall before carry on large area excavation. Allow for cut-off the concrete where beyond this designed line. Scan of RC work may needed. **Contractor** to inform the Engineer the findings from the trial pit.

● The trial pit also aimed at finding out the bottom of this RC wall

Carefully cut off the last corbel to have a flash surface

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DETAIL 01
PROPOSED SECTION

150mm thk RC slab with H12 bars at 200mm cts in each direction in centre of slab on 1200 gauge DPM, on top of 50mm concrete blinding

Provide 400mm long dowel bars @400 cts to connect slab to the existing footings

Finish line to Architect's details

▽ GF, FFL to Architect's details

Rev.	Date	Comment	By

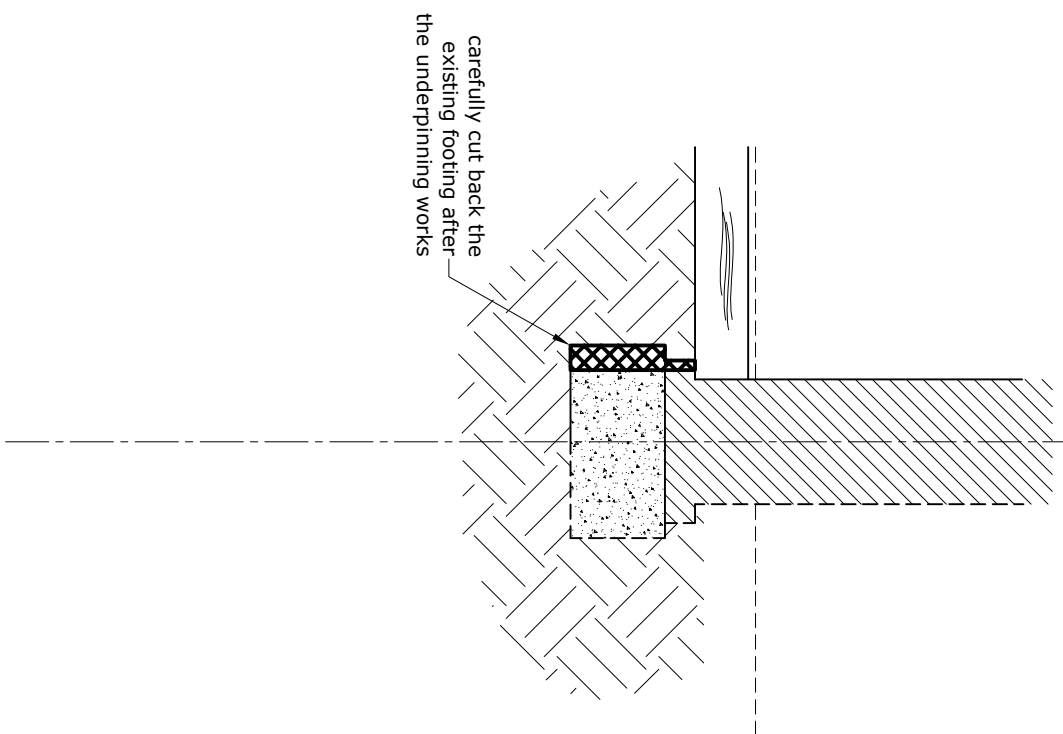
Note

1. Refer to Drawing 11 for general notes.

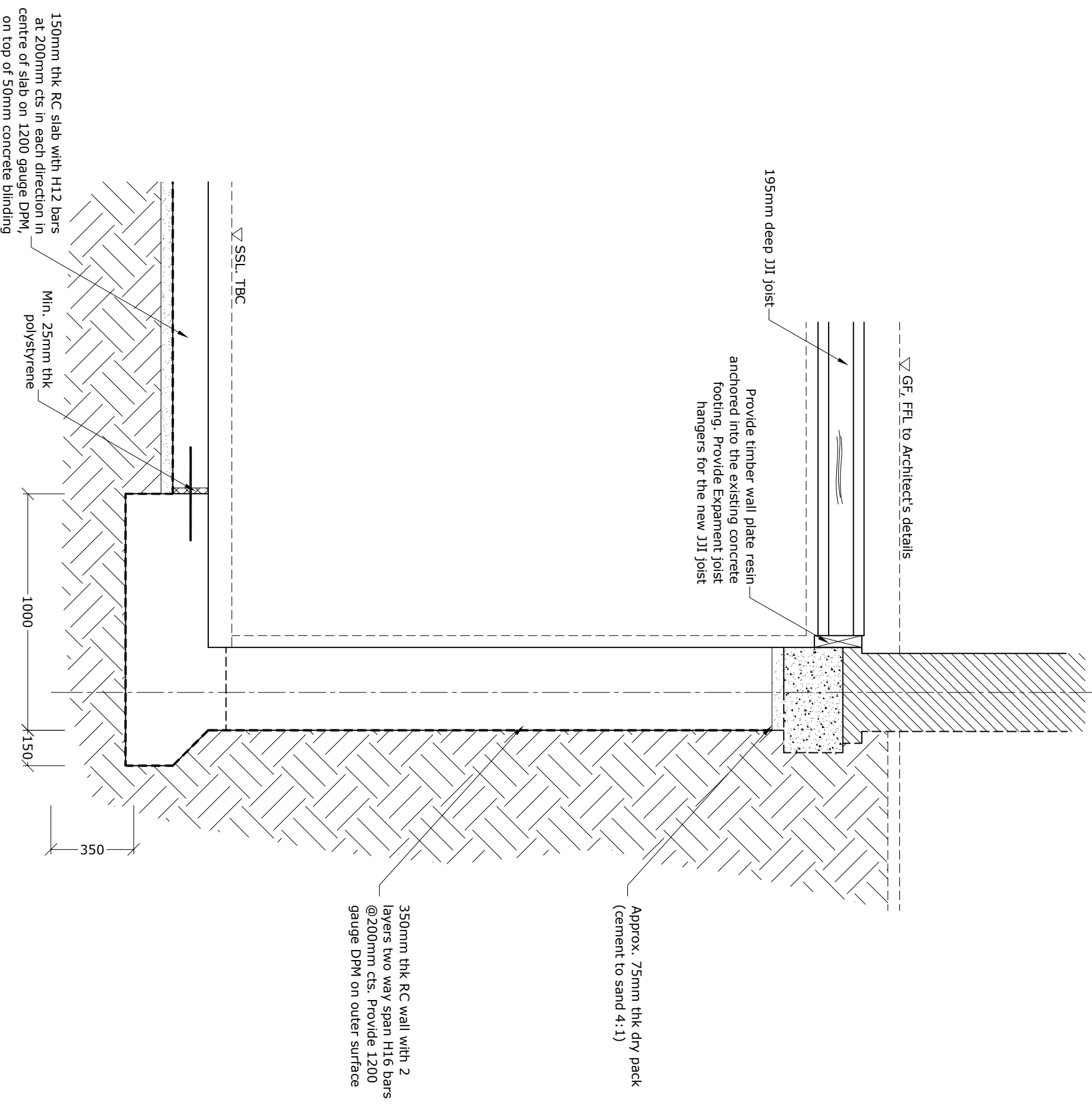
project	59 Solent Road, NW6 1TY	scale	1:20 @ A3	job no	2298
client	Mahesh Varia	designed by	AU	drawing no	101
title	Detail 01	date	Oct 2016	status	Pre-Tender
revision	Existing and Proposed	revision			

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Nº 59 Solent Road ← → Nº 61 Solent Road



DETAIL 02
EXISTING AND
DEMOLITION SECTION

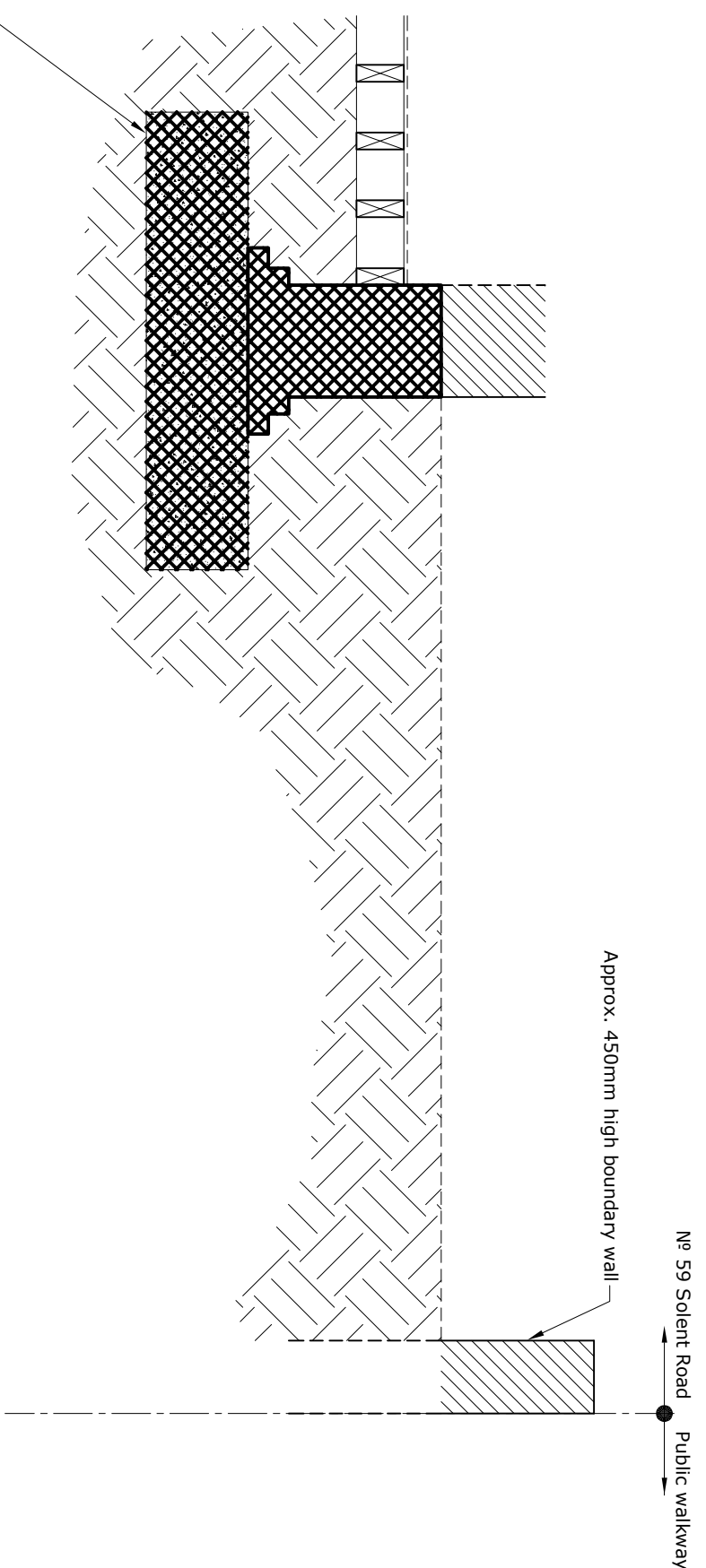
DETAIL 02
PROPOSED SECTION

Rev.	Date	Comment	By

Note
1. Refer to Drawing 11 for general notes.

project	59 Solent Road, NW6 1TY	scale	1:20 @ A3	job no	2298
client	Mahesh Varia	designed by	AU	drawing no	102
title	Detail 02	date	Oct 2016	status	Pre-Tender
revision	Existing and Proposed	revision			

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DETAIL 03
EXISTING AND
DEMOLITION SECTION

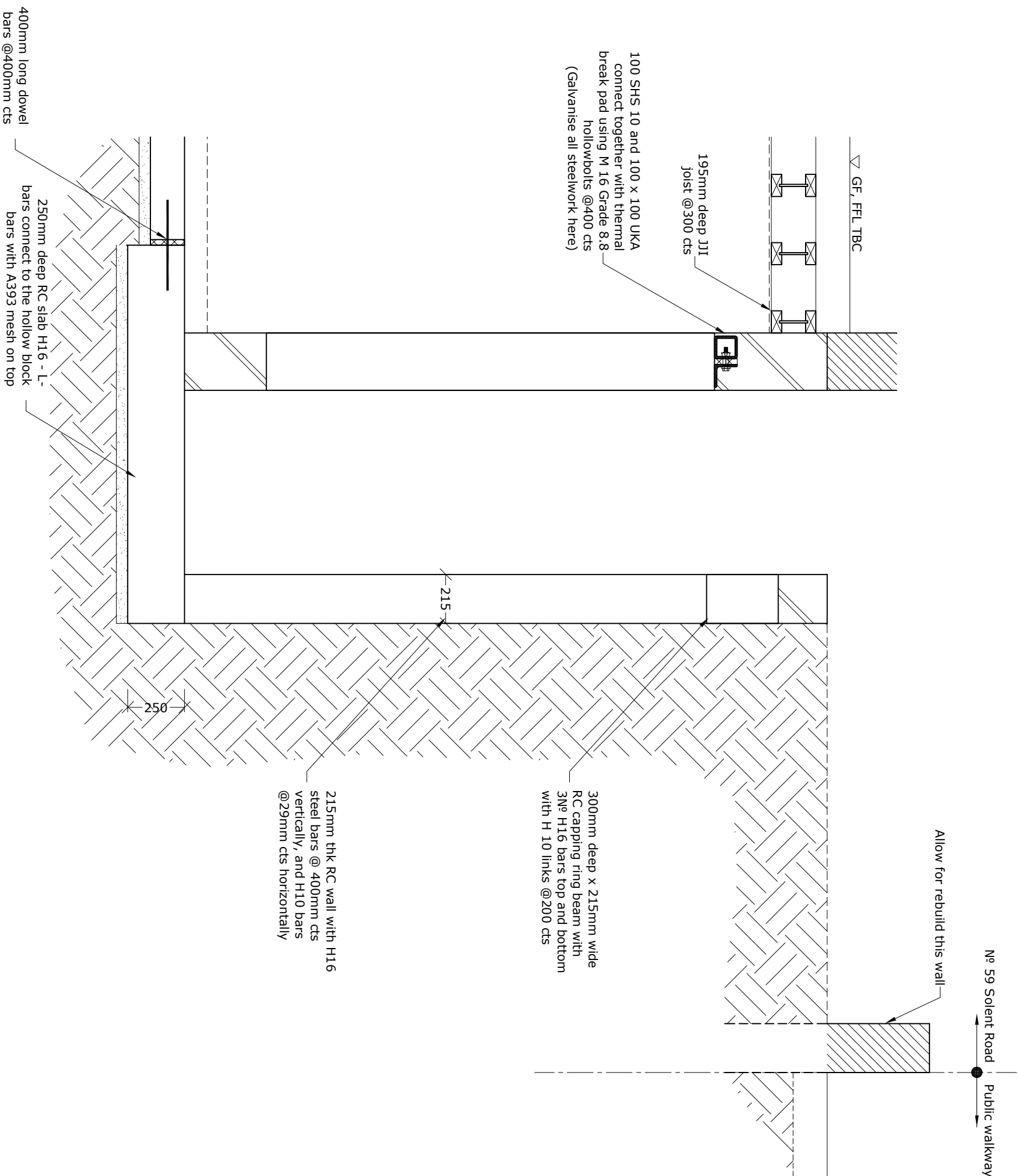
Note:
All new steelwork here to be galvanised

Rev.	Date	Comment	By

Note
1. Refer to Drawing 11 for general notes.

project	59 Solent Road, NW6 1TY	scale	1:20 @ A3	job no	2298
client	Mahesh Varia	designed by	AU	drawing no	103
title	Detail 03	date	Oct 2016	revision	
	Existing and Demolition	status	Pre-Tender		

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DETAIL 04
PROPOSED SECTION

Note:
All new steelwork here to be galvanised

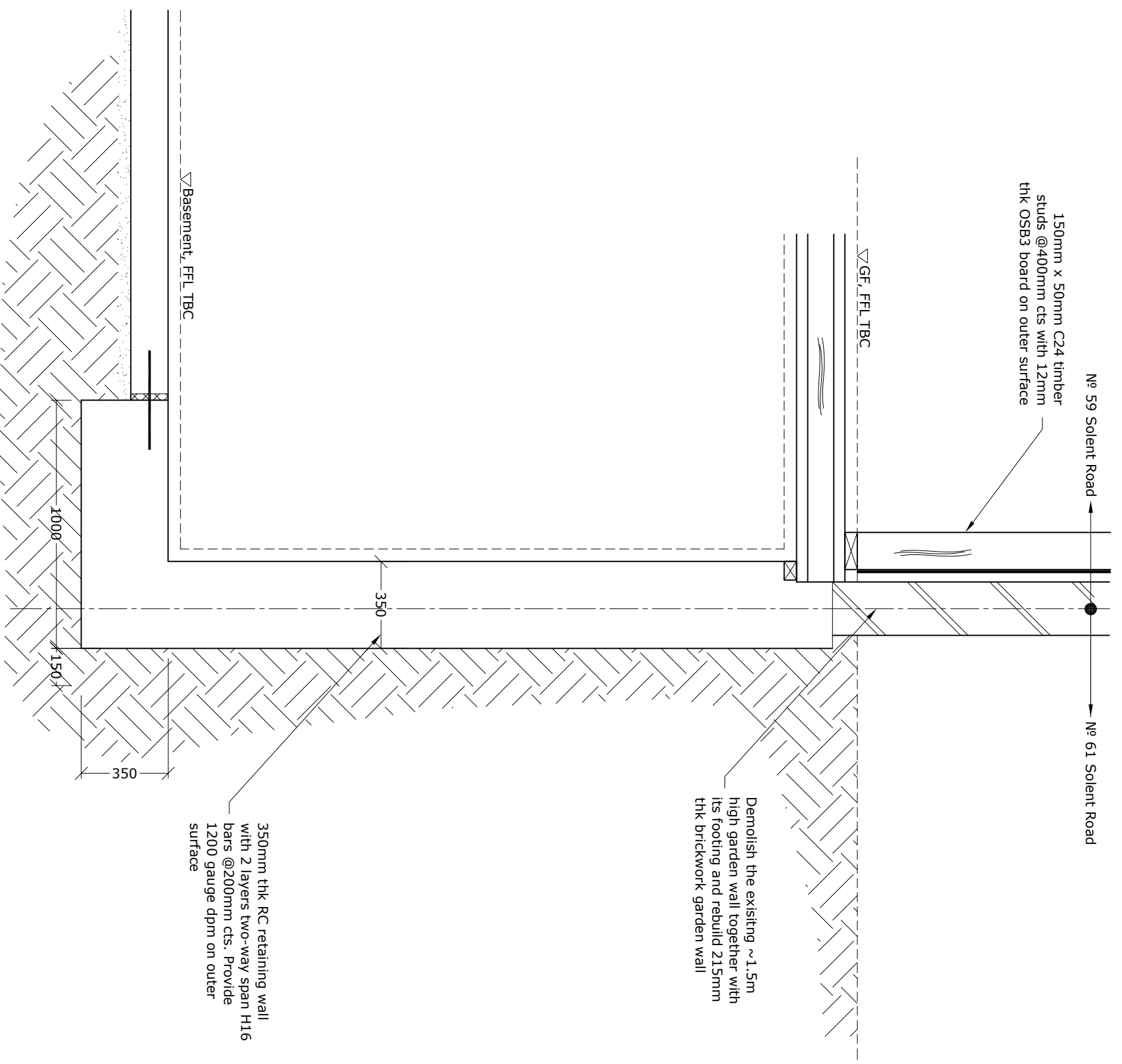
Rev.	Date	Comment	By
A	05/12/16	Changed Layout	AU

Note

1. Refer to Drawing 11 for general notes.

project	59 Solent Road, NW6 1TY	scale	1:20 @ A3	job no	2298
client	Mahesh Varia	drawn by	AU	drawing no	104
title	Detail 04	date	Oct 2016	revision	A
	Proposed	status	Pre-Tender		

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DETAIL 05
PROPOSED SECTION

Rev.	Date	Comment	By
A	05/12/16	Changed Layout	AU

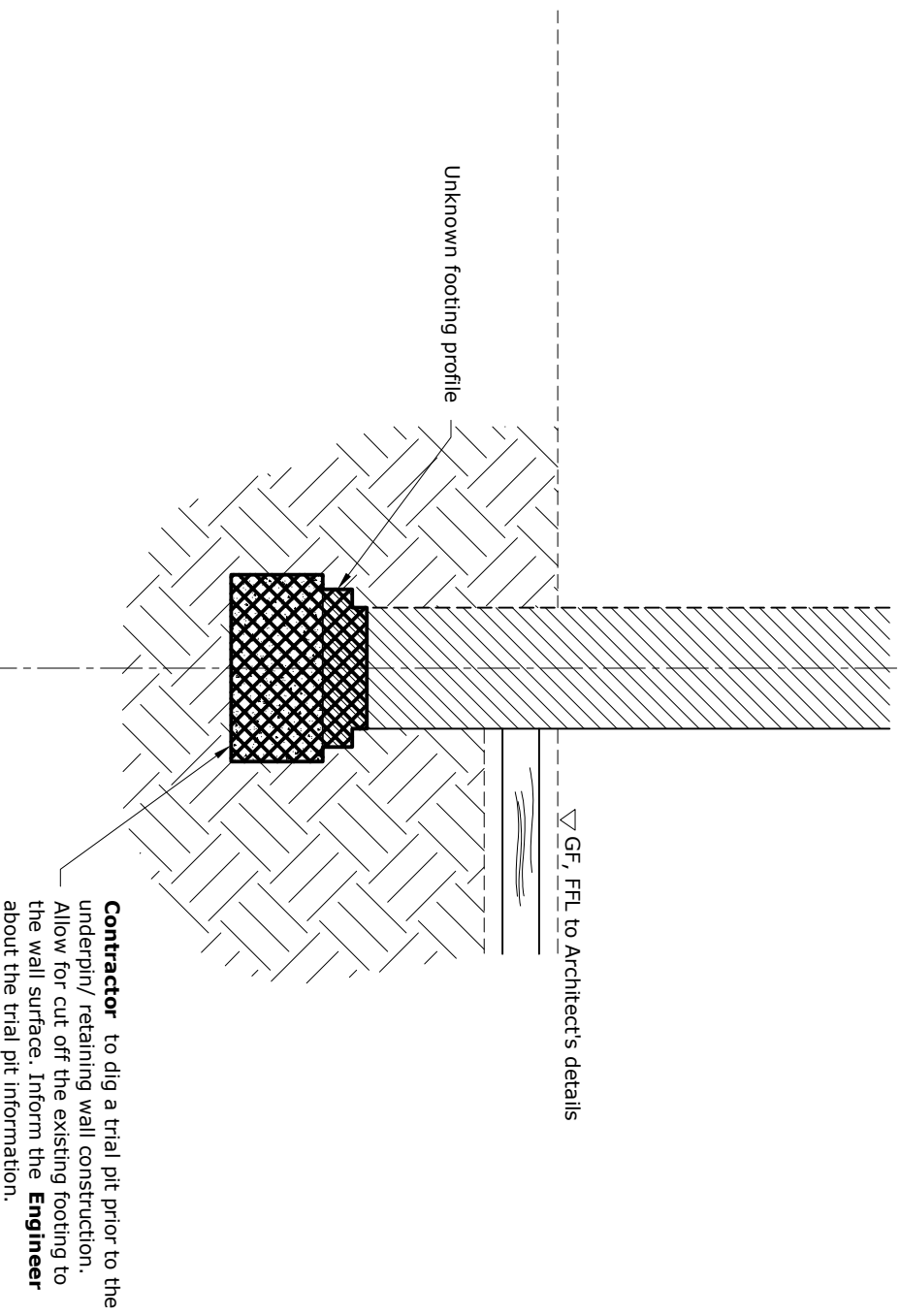
Note
1. Refer to Drawing 11 for general notes.

project	59 Solent Road, NW6 1TY	scale	1:20 @ A3	job no	2298
client	Mahesh Varia	designed by	AU	drawing no	105
title	Detail 05	date	Oct 2016	status	Pre-Tender
	Proposed			revision	A

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← № 59 Solent Road



DETAIL 06
EXISTING AND DEMOLITION
SECTION

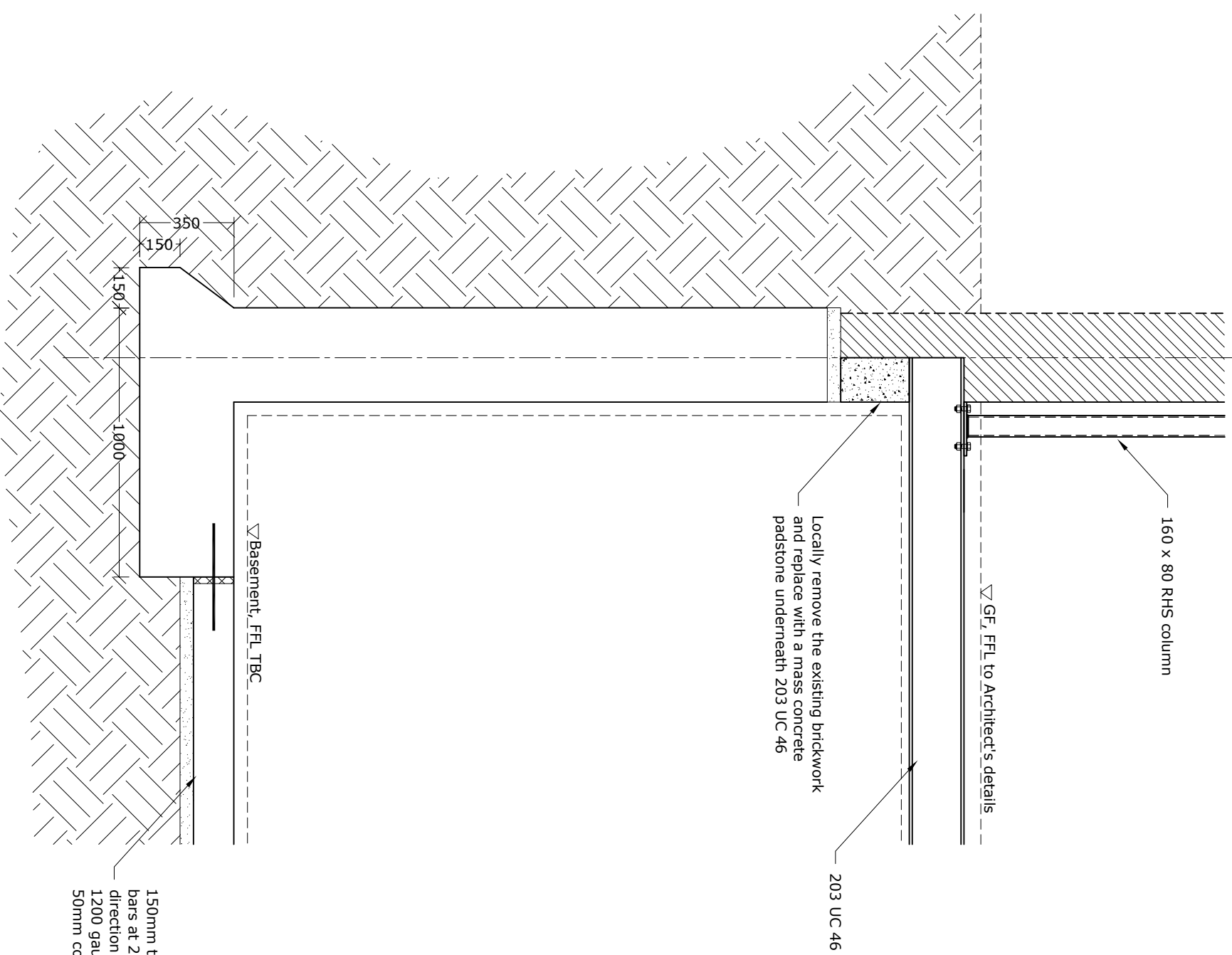
Rev.	Date	Comment	By

Note

1. Refer to Drawing 11 for general notes.

№ 57 Solent Road →

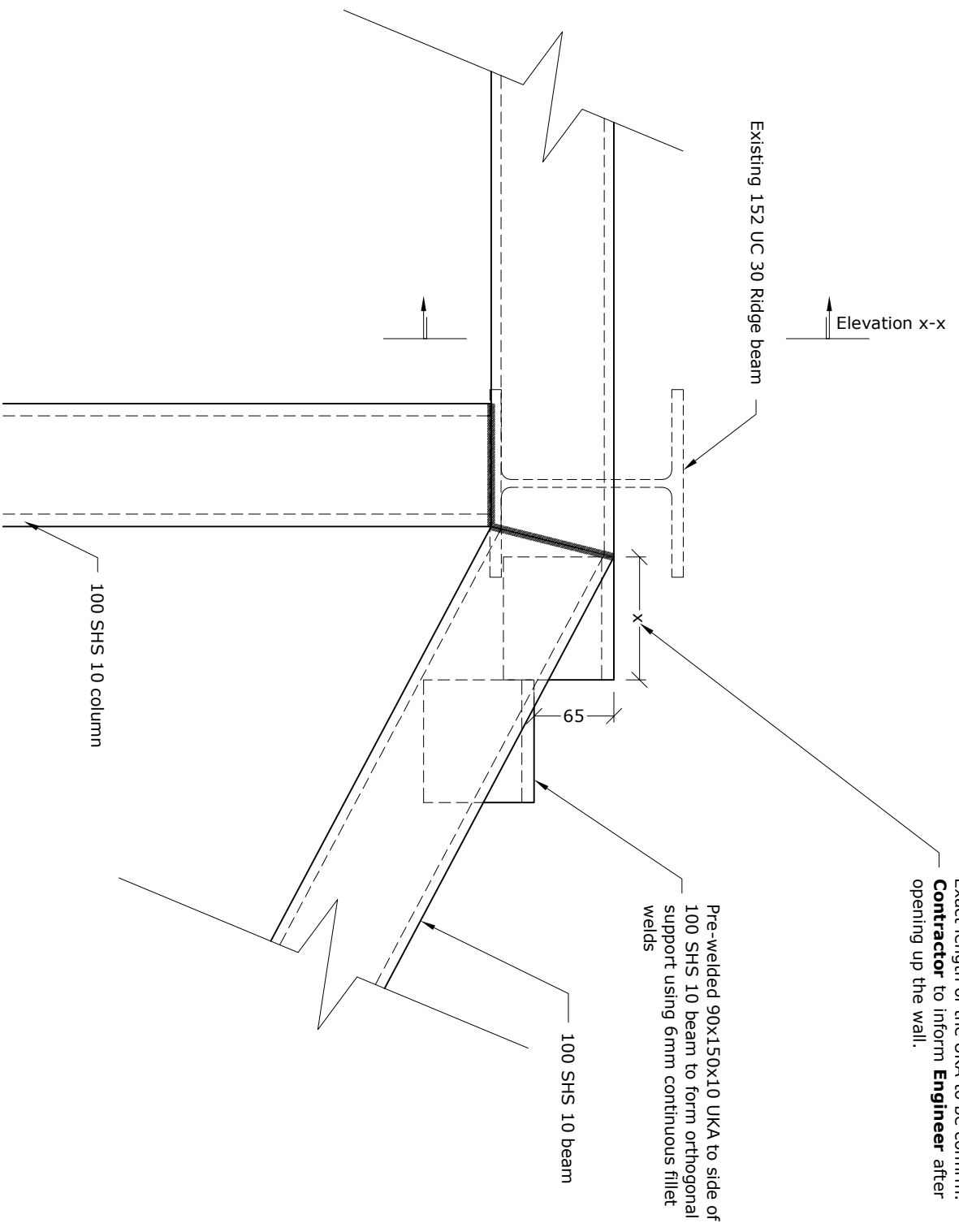
← № 59 Solent Road



DETAIL 06
PROPOSED SECTION

project		59 Solent Road, NW6 1TY		scale		1:20 @ A3		job no		2298	
client		Mahesh Varia		designed by		AU		drawing no		106	
title		Detail 06		date		Oct 2016		status		Pre-Tender	
project		Proposed		revision							

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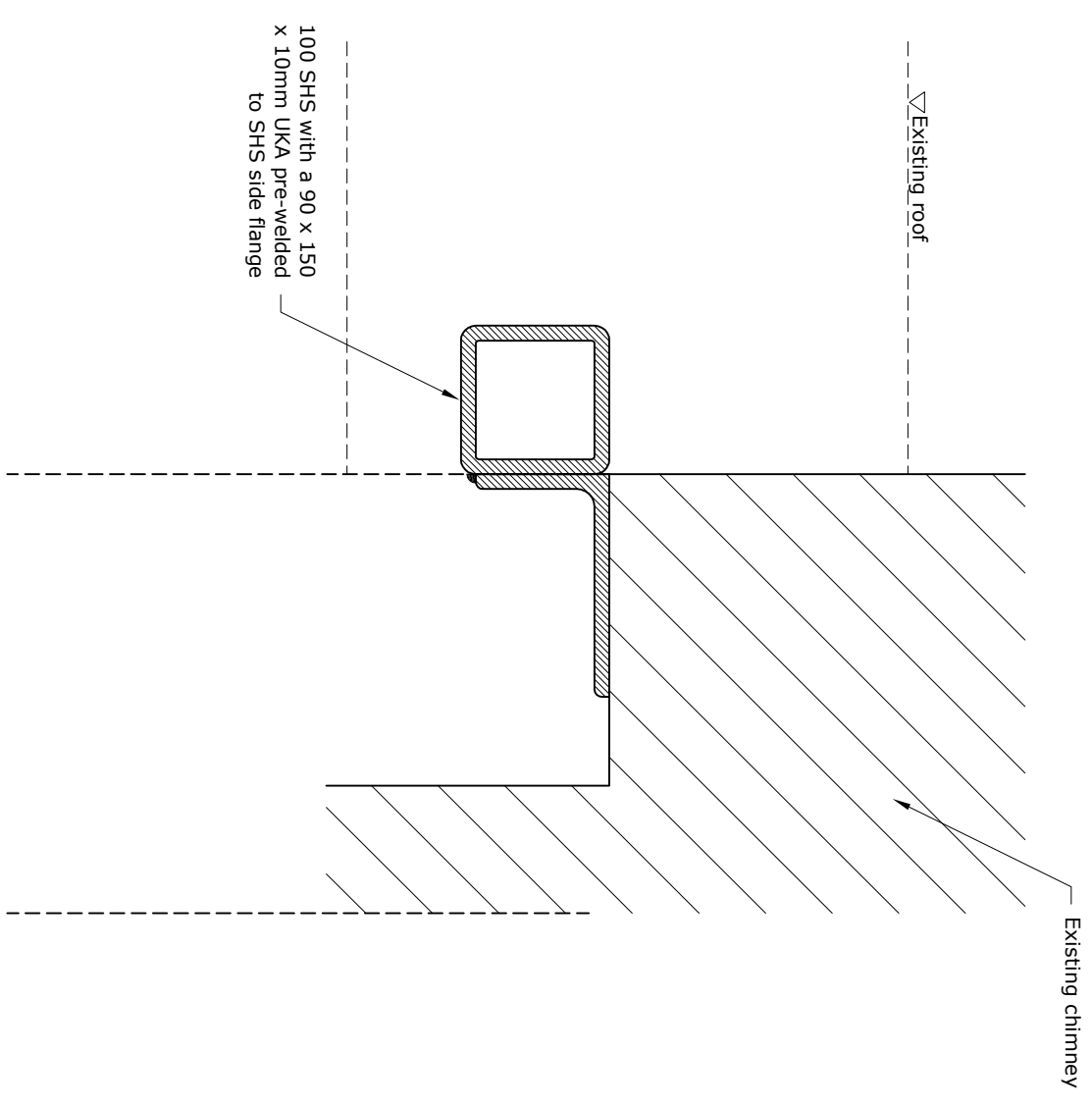
Exact length of the UKA to be confirm.
Contractor to inform **Engineer** after opening up the wall.

Pre-welded 90x150x10 UKA to side of 100 SHS 10 beam to form orthogonal support using 6mm continuous fillet welds

100 SHS 10 beam

100 SHS 10 column

DETAIL 07
 PROPOSED



100 SHS with a 90 x 150 x 10mm UKA pre-welded to SHS side flange

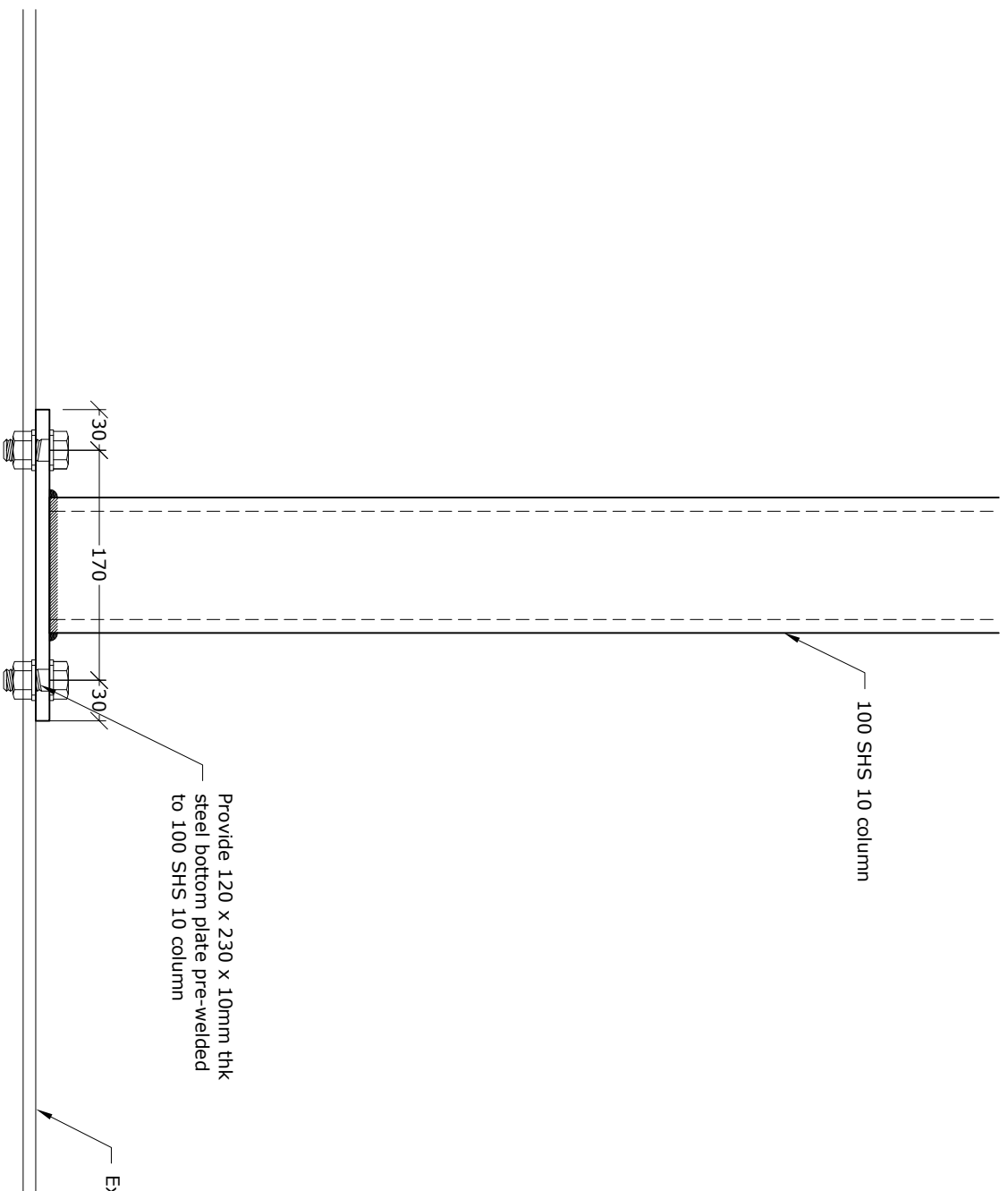
DETAIL 07
 PROPOSED ELEVATION X-X

Note:
 All new steelwork here to be galvanised

Rev.	Date	Comment	By

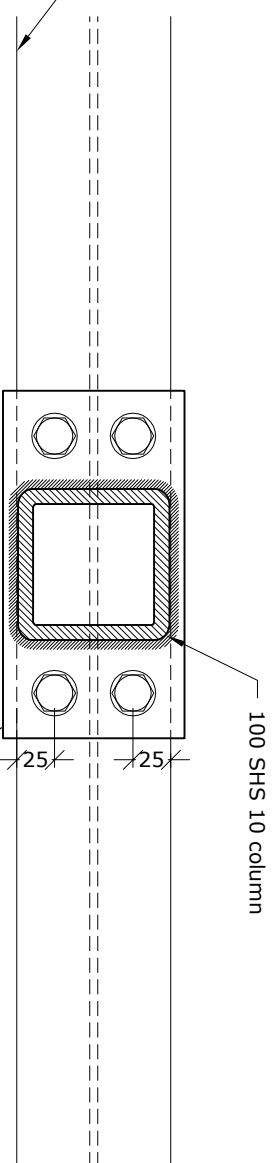
Project	59 Solent Road, NW6 1TY	Scale	1:5 @ A3	Job No	2298
Client	Mahesh Varia	Drawn by	AU	Drawing No	107
Title	Detail 07	Date	Oct 2016	Status	Pre-Tender
	Proposed				

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DETAIL 08
PROPOSED SECTION

Rev.	Date	Comment	By

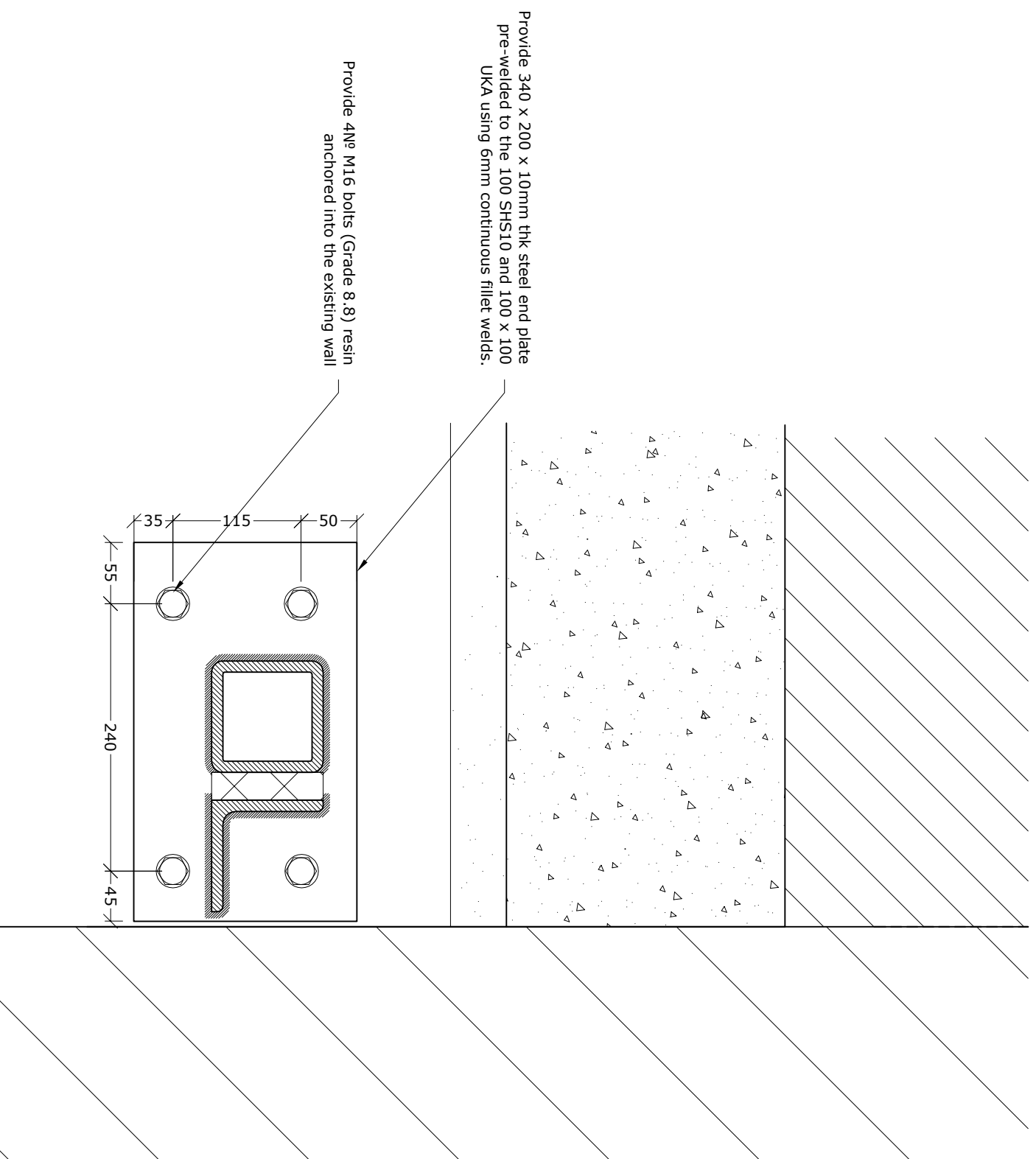


DETAIL 08
PROPOSED PLAN

Note:
All new steelwork here to be galvanised

Project	59 Solent Road, NW6 1TY	Scale	1:5 @ A3	Job No	2298
Client	Mahesh Varia	Drawn by	AU	Drawing No	108
Title	Detail 08 Proposed	Date	Oct 2016	Status	Pre-Tender

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DETAIL 09
PROPOSED SECTION

Note:
All new steelwork here to be galvanised

Rev.	Date	Comment	By

Project	59 Solent Road, NW6 1TY	Scale	1:5 @ A3	Job No	2298
Client	Mahesh Varia	Drawn by	AU	Drawing No	109
Title	Detail 09	Date	Oct 2016	Revision	
Status	Proposed	Status	Pre-Tender		

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