

LOCATION PLAN AT 1:1250

SITE PLAN AT 1:200

REVISIONS

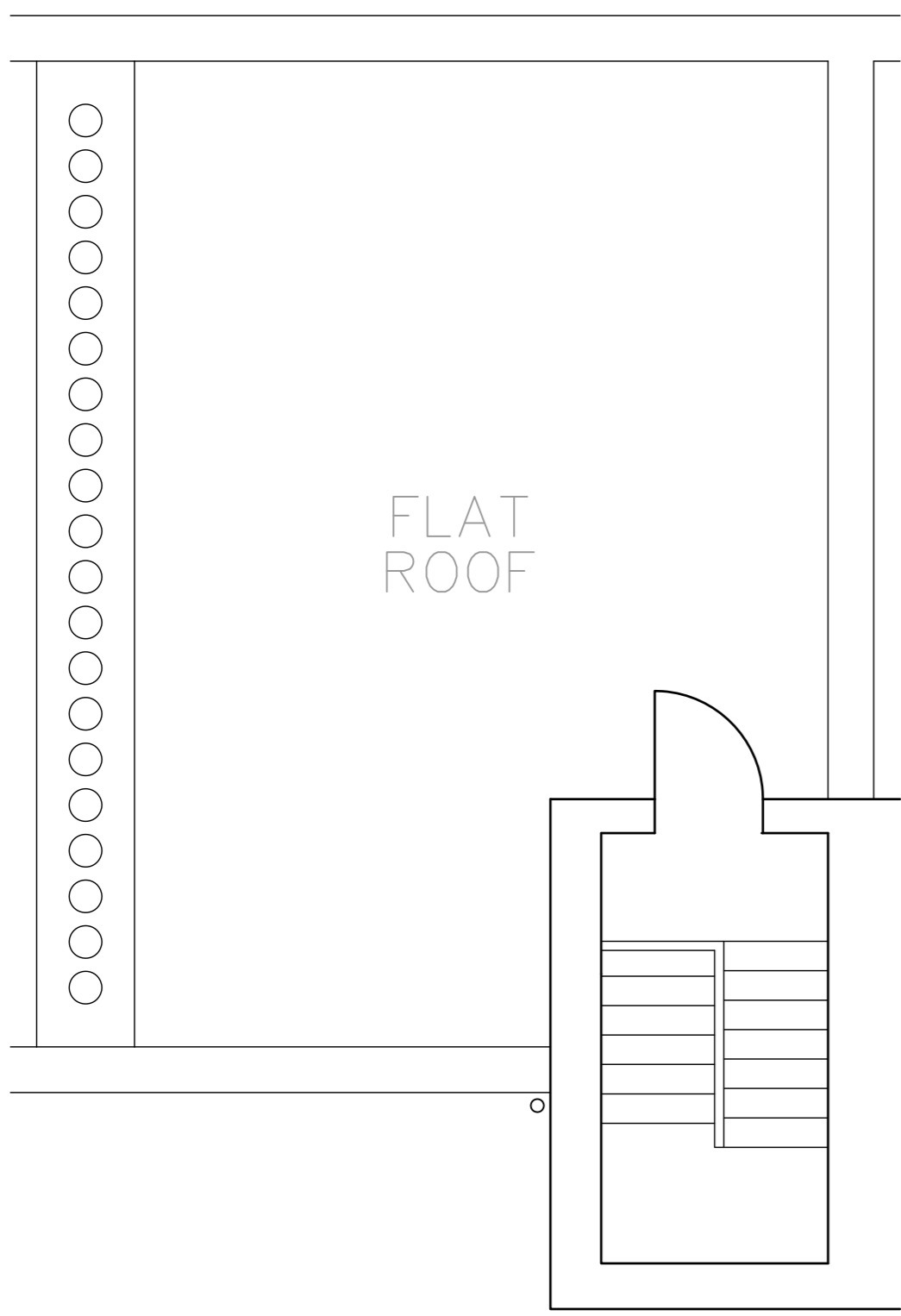
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Scale 1:1250
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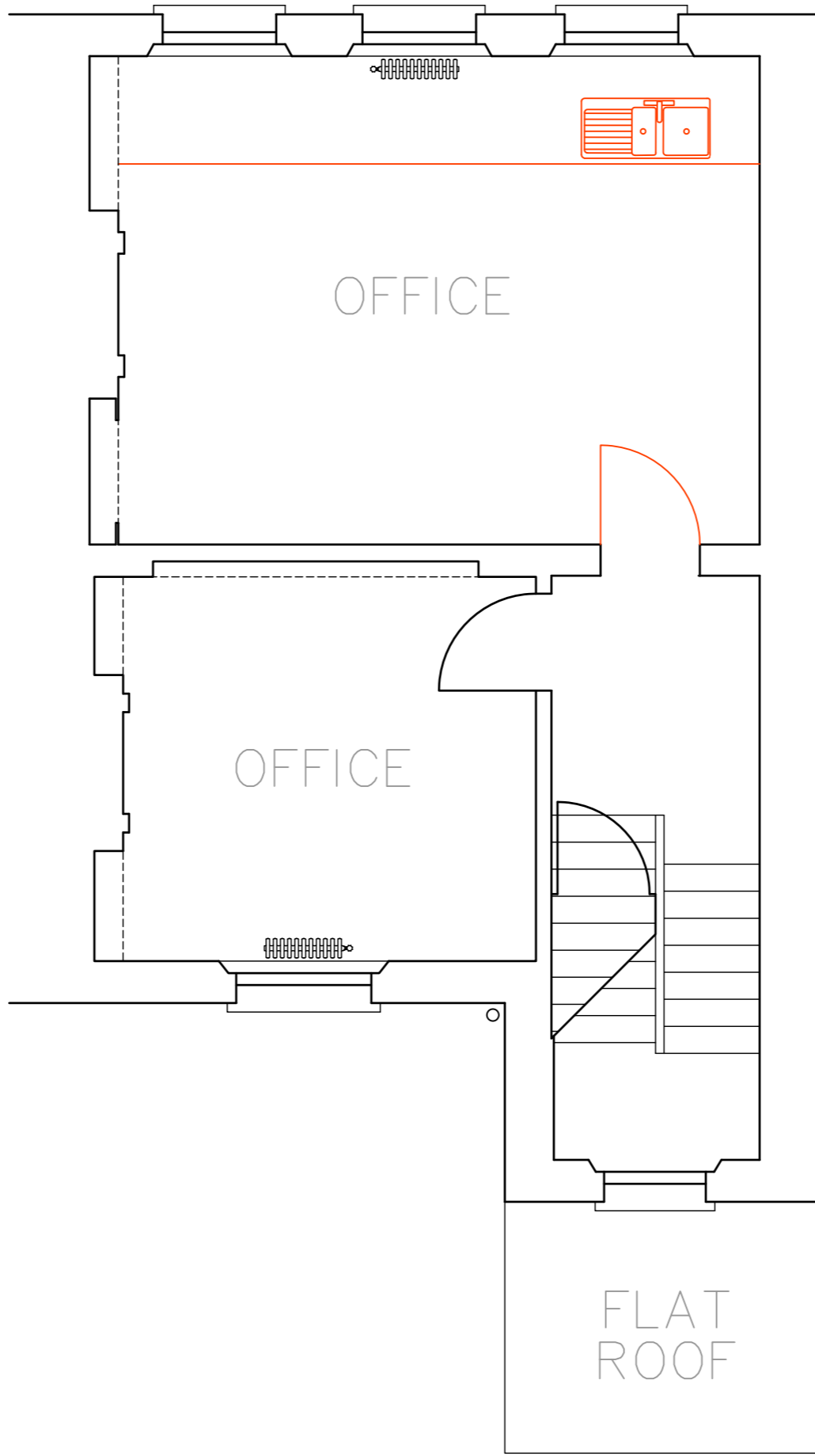
Site plan at 1:200
 Location plan at 1:1250
 including Ordnance Survey

30 Museum Street, WC1A 1LH for P Athill Esq.			
SCALE	DATE	DWG.No	REV
@A4	18.04.14	1	

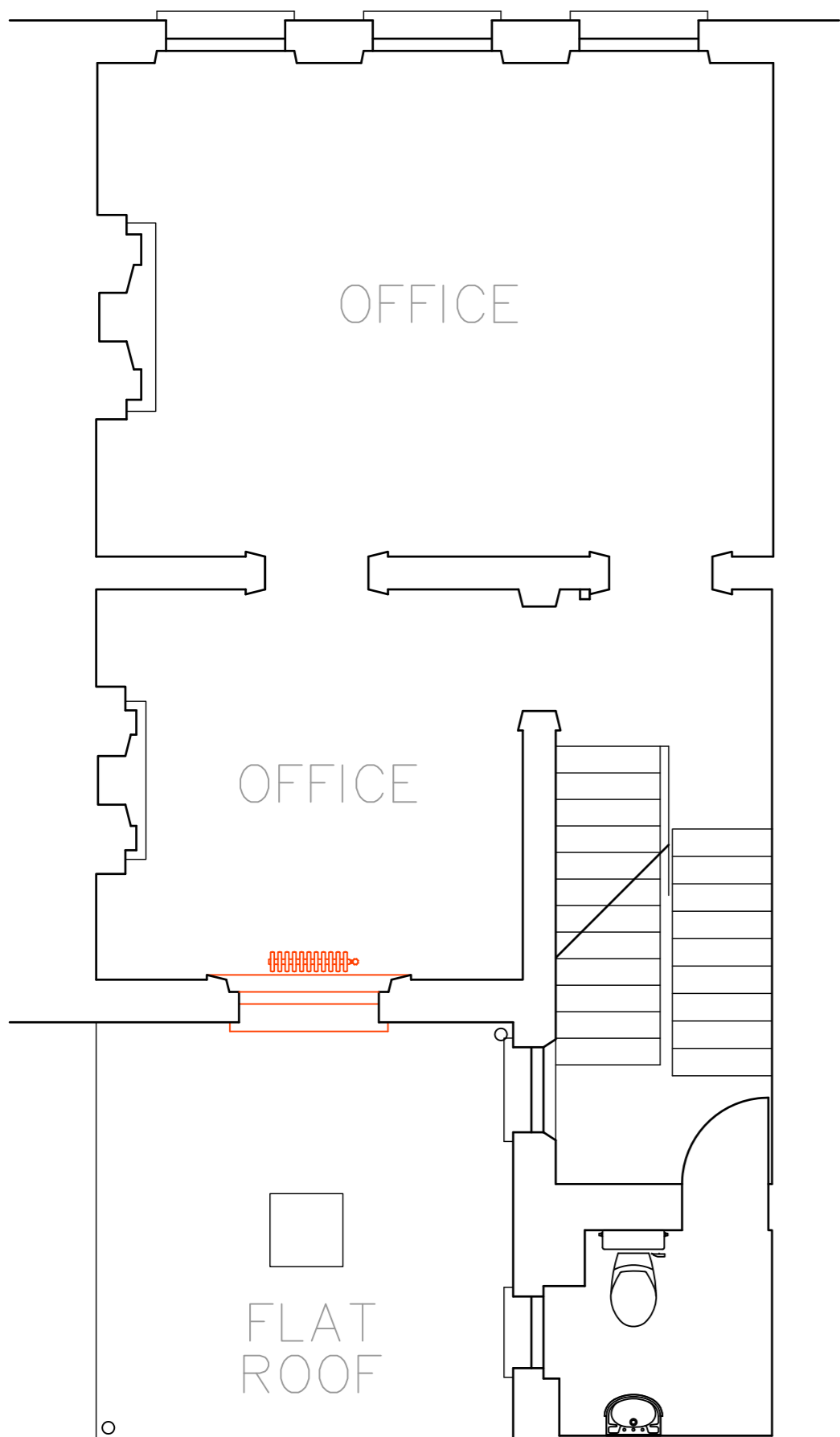
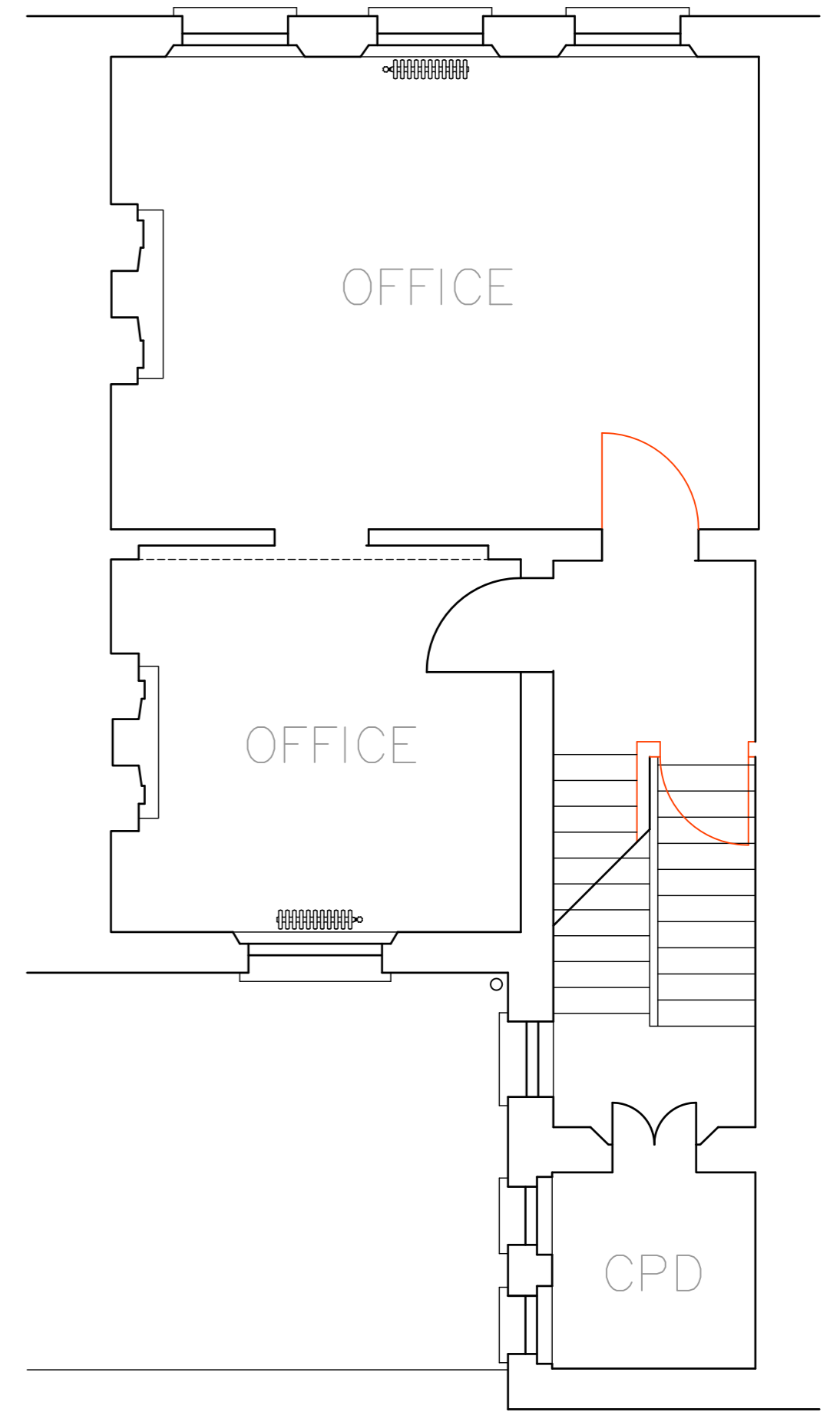
R O O F
5.7m² office



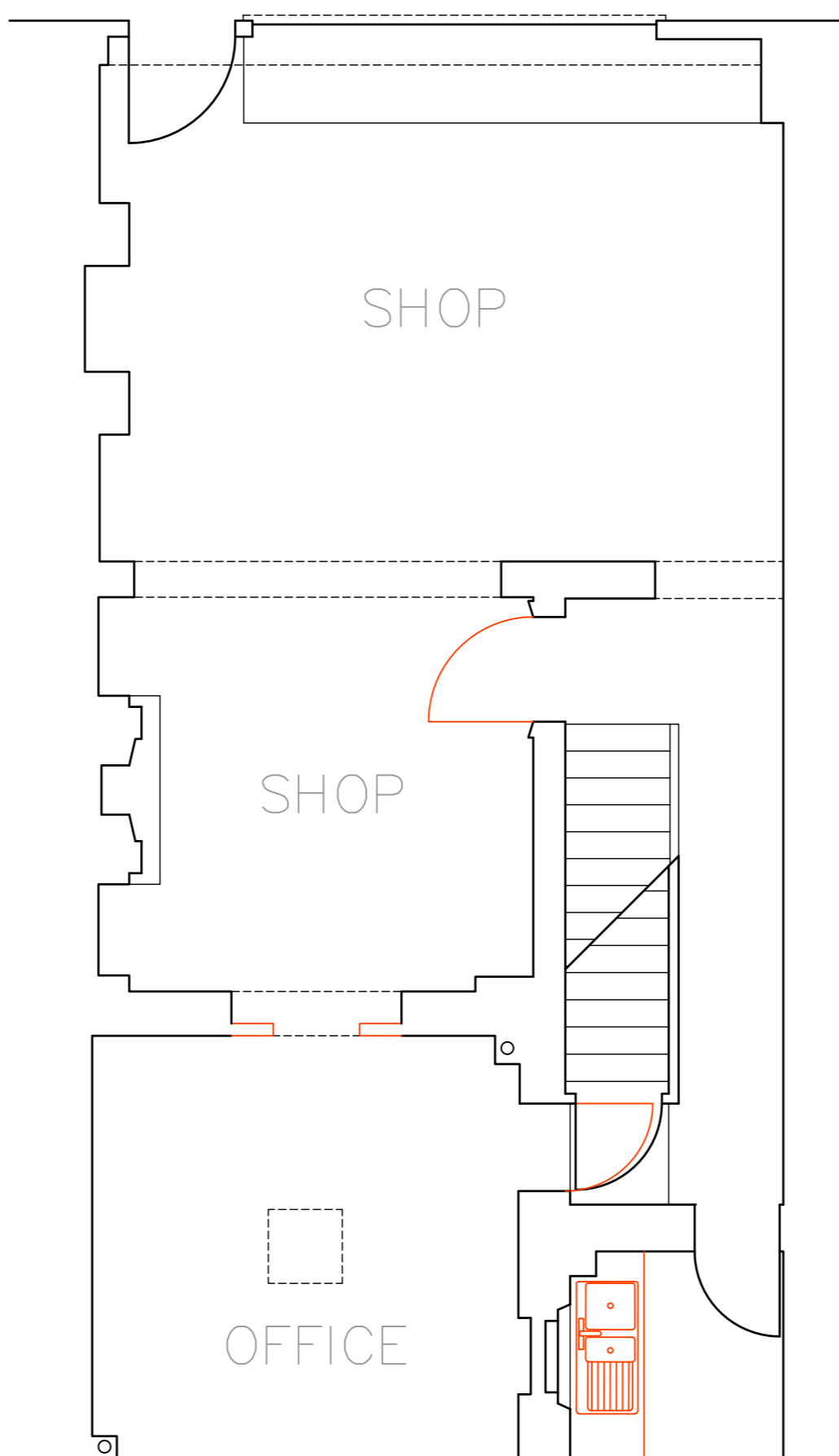
T H I R D
44m² office



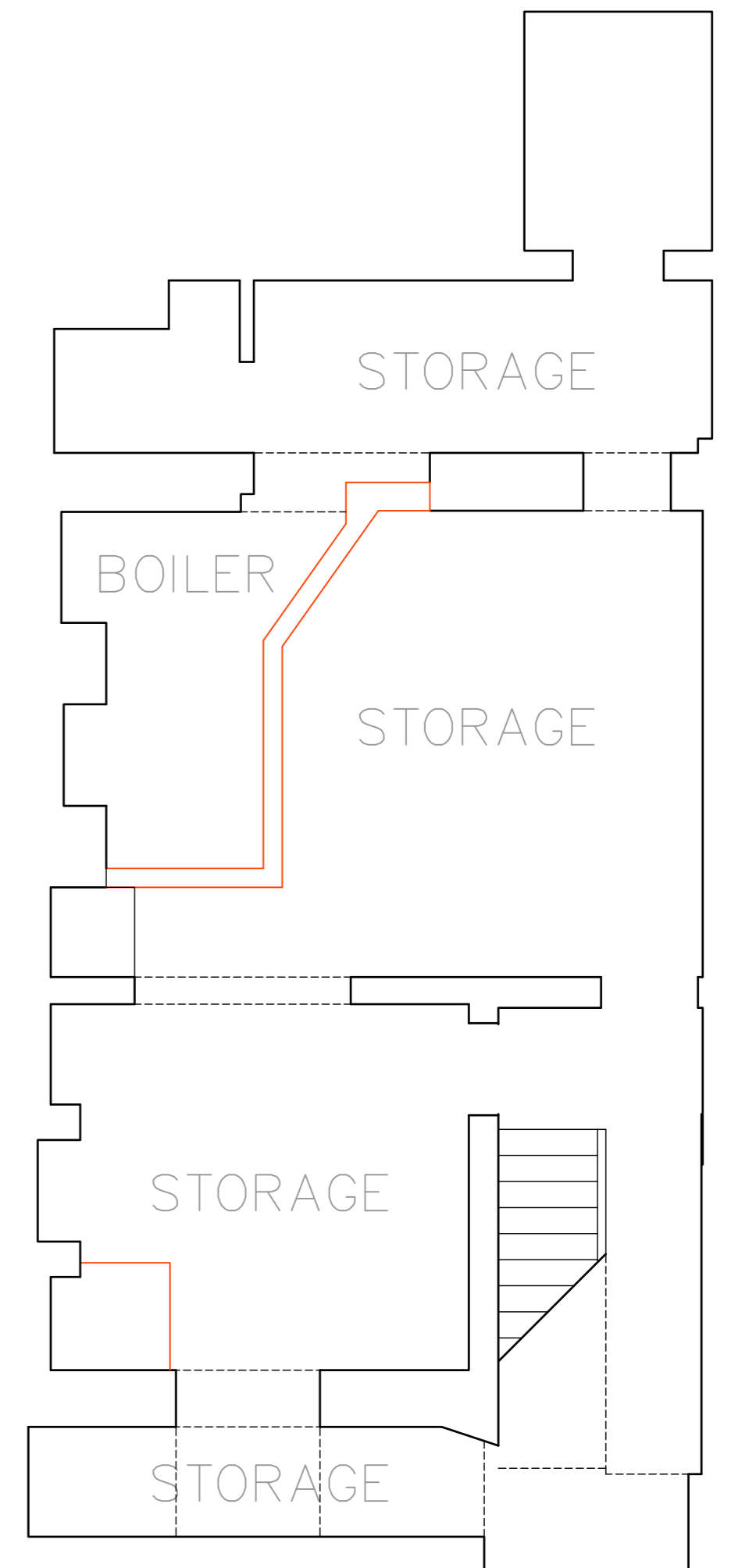
S E C O N D
48m² office



F I R S T
47.8m² office



G R O U N D
42m² shop
21m² office & kitchen



B A S E M E N T
61m² storage & boiler

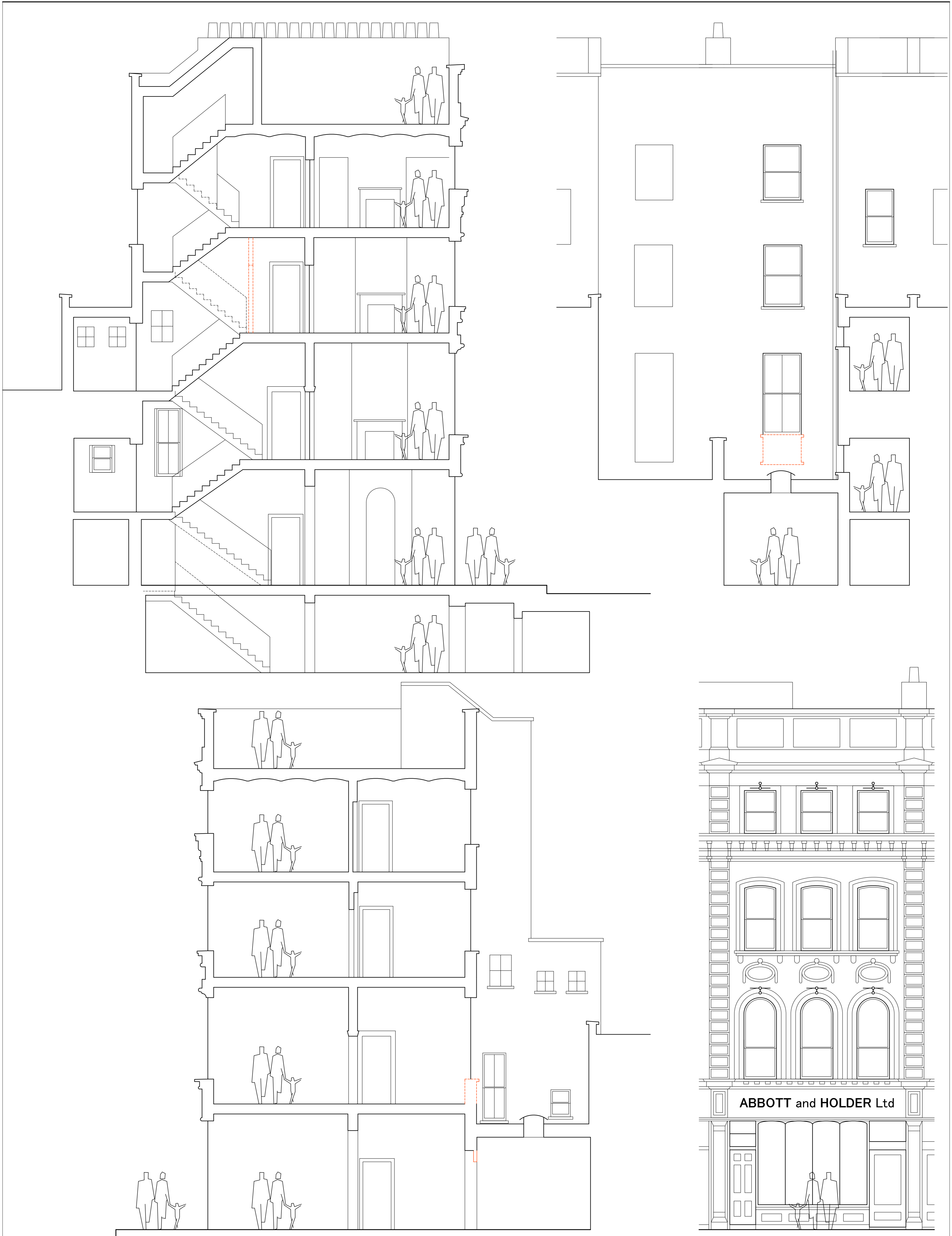
REVISIONS



Gregory Munson RIBA . architect

Building plans at 1:50		30 Museum Street, WC1A 1LH for P Athill Esq.	
Existing	SCALE 1:50@A1	DATE 16.10.15	DWG.No 2
			REV B

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REVISIONS

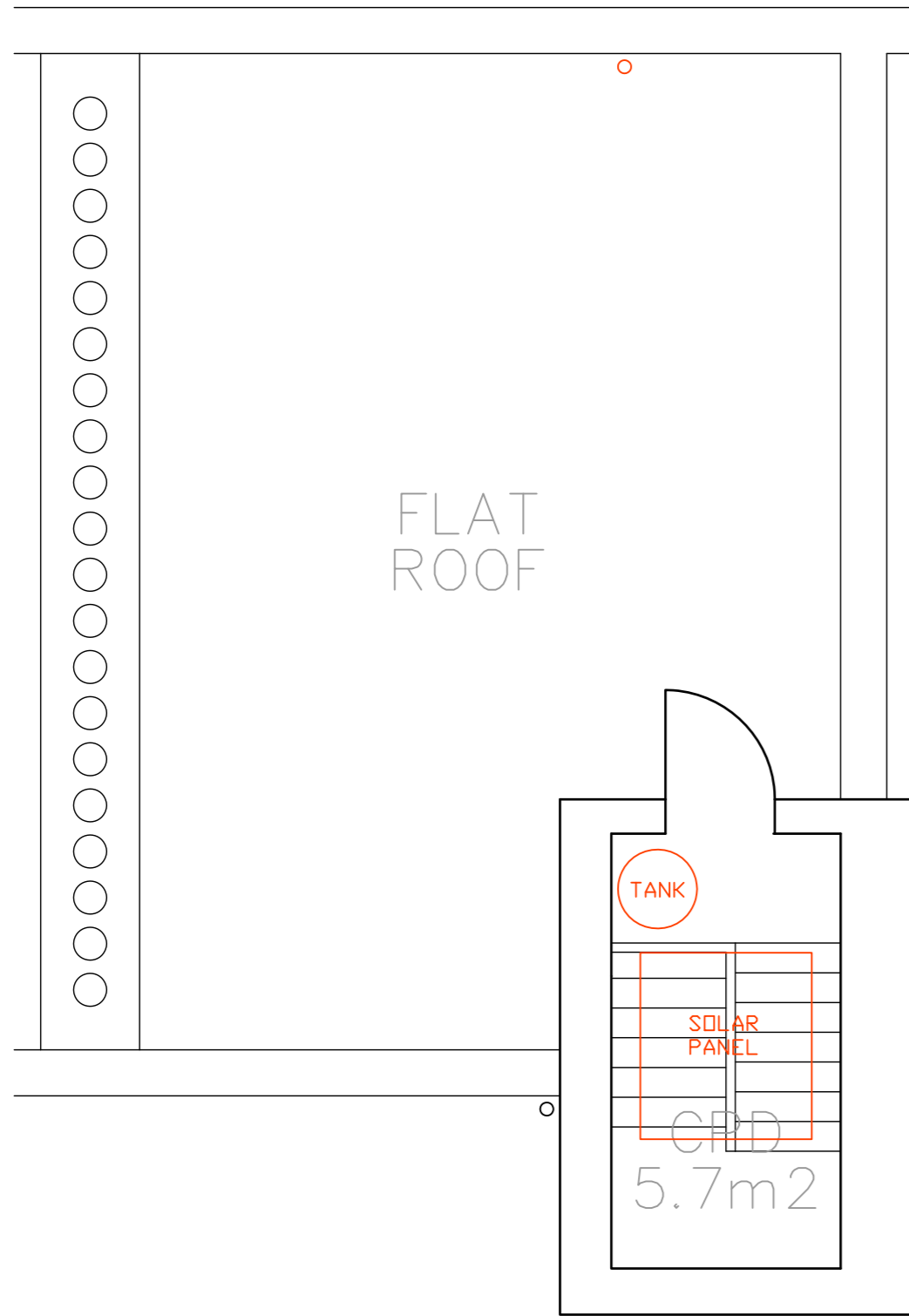
- A 19.09.15 GENERAL
- B 16.10.15 PLANNING APPLICATION
- C 20.12.15 REAR WINDOW RETAINED AND EXISTING RWP ADDED ON REAR ELEVATION

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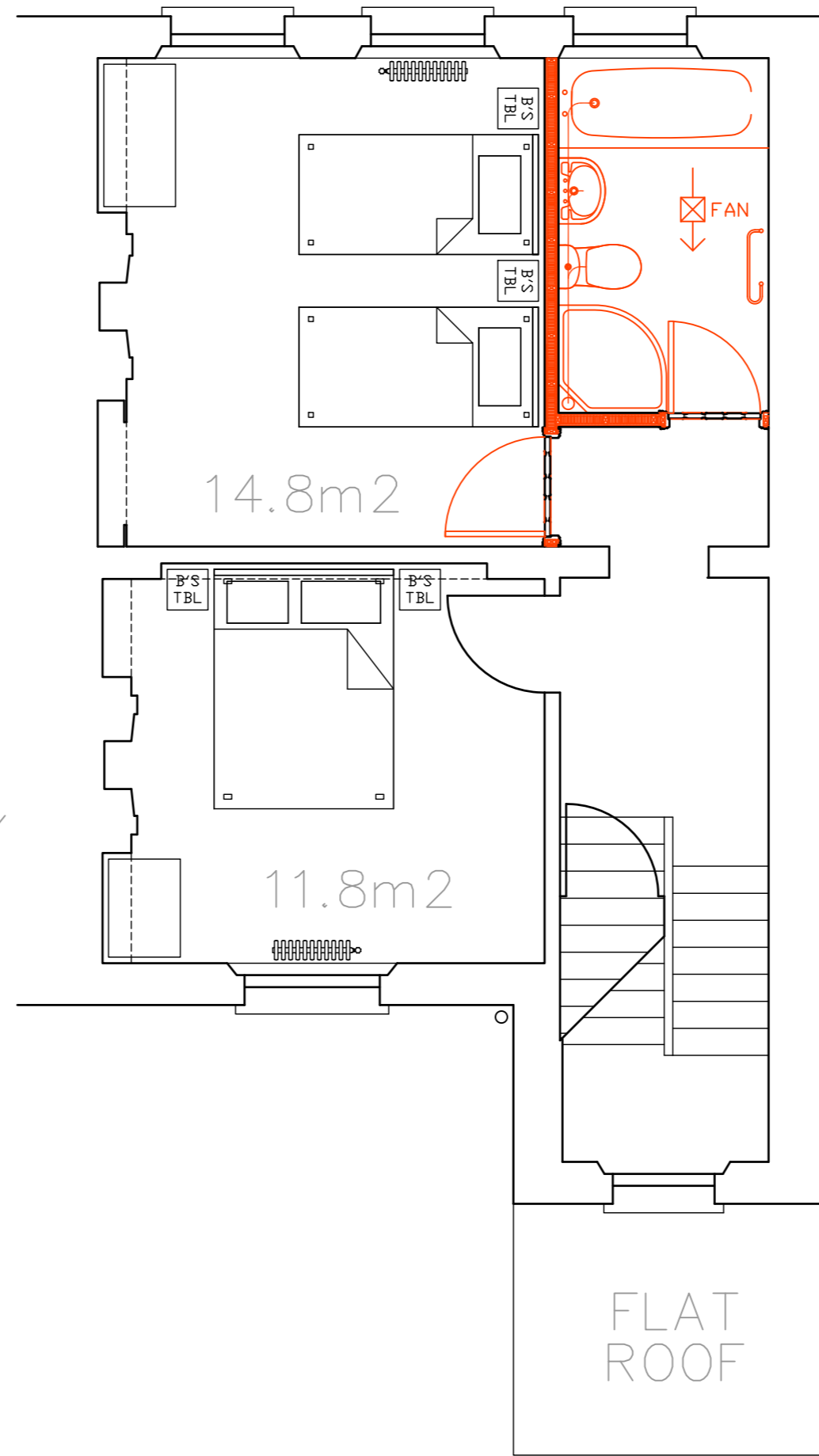
Gregory Munson RIBA . architect

Elevations and sections		30 Museum Street, WC1A 1LH for P Athill Esq.	
Existing	SCALE 1:50@A1	DATE 20.12.15	DWG.No 3
			REV C

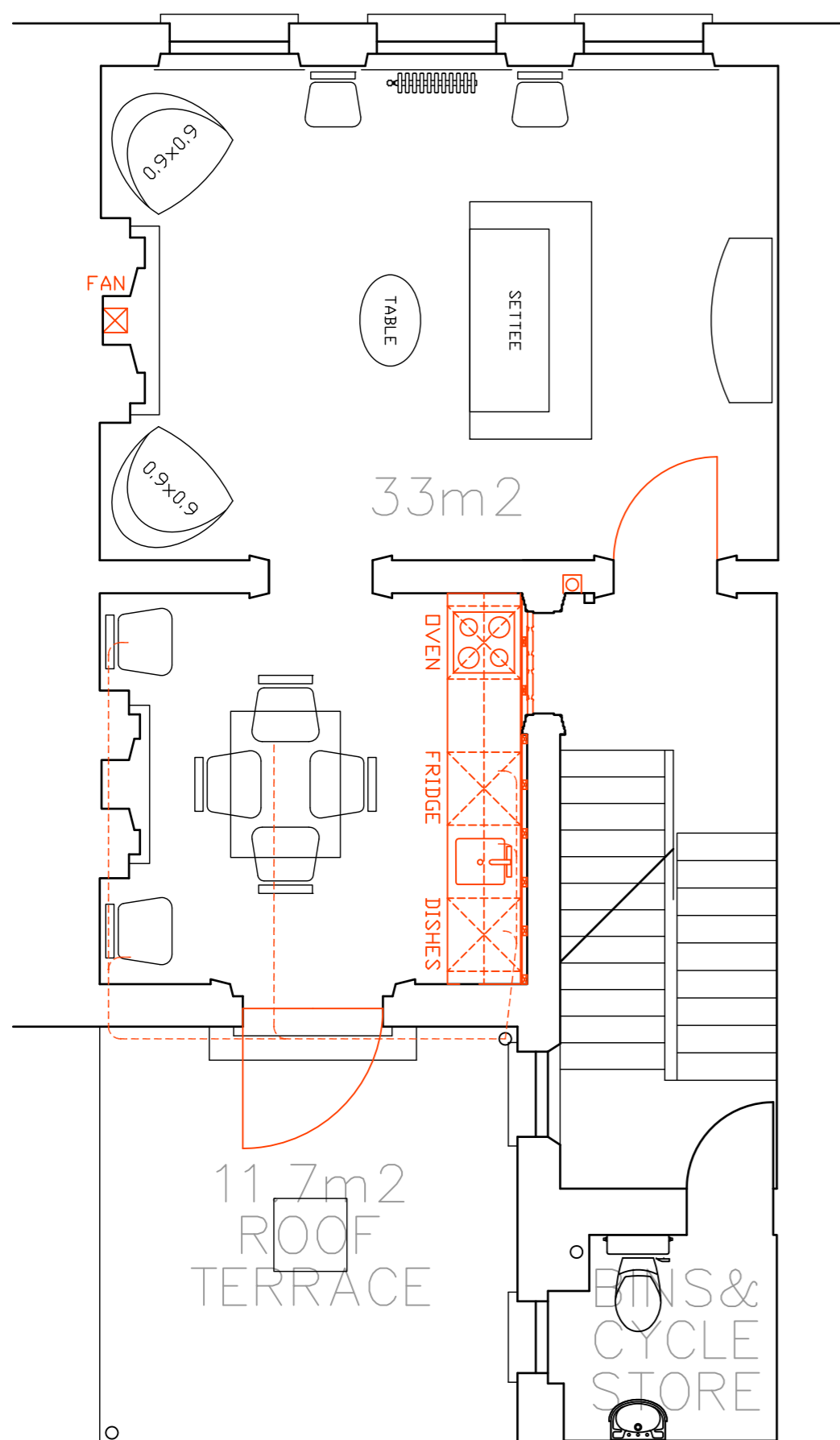
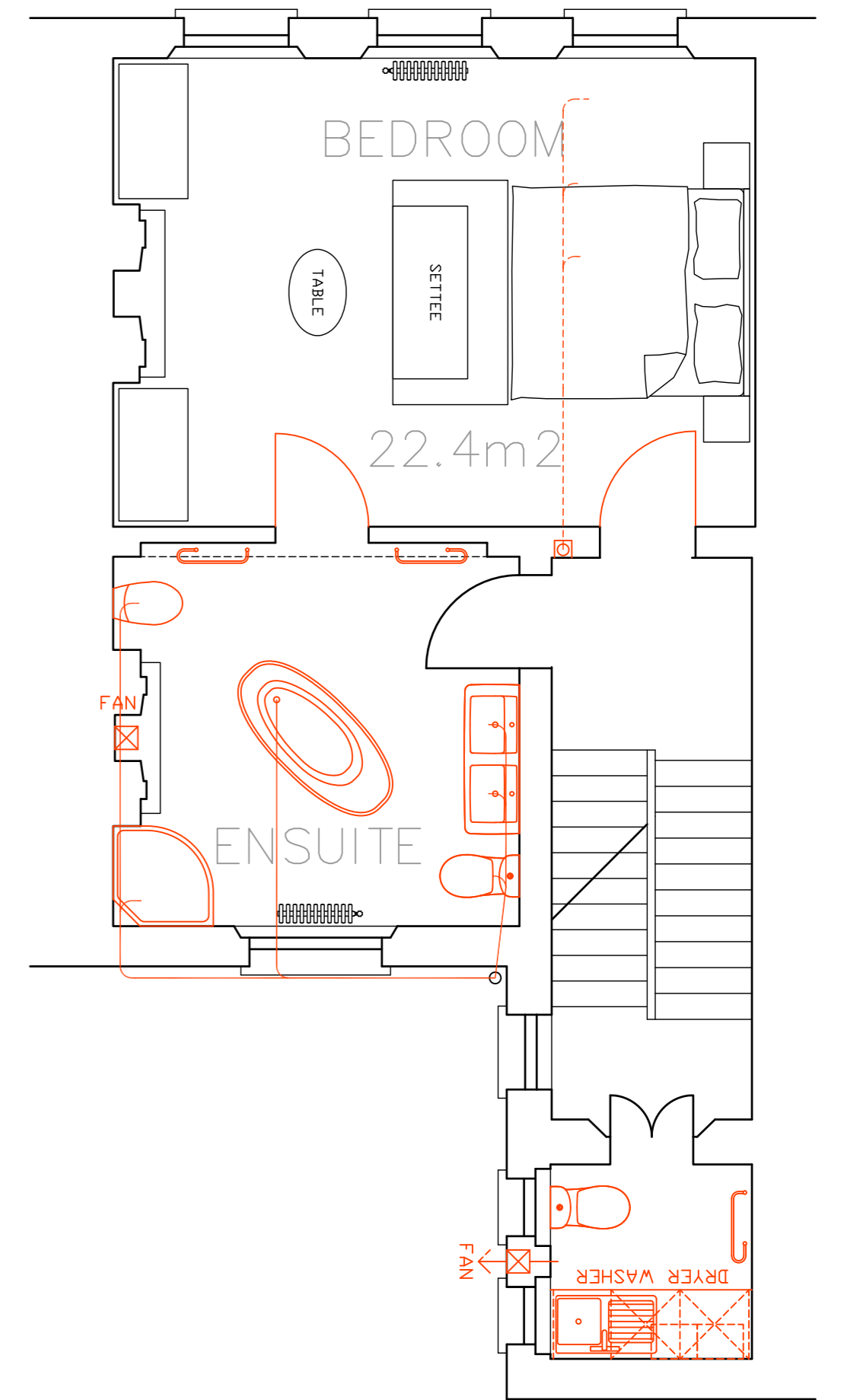
R O O F
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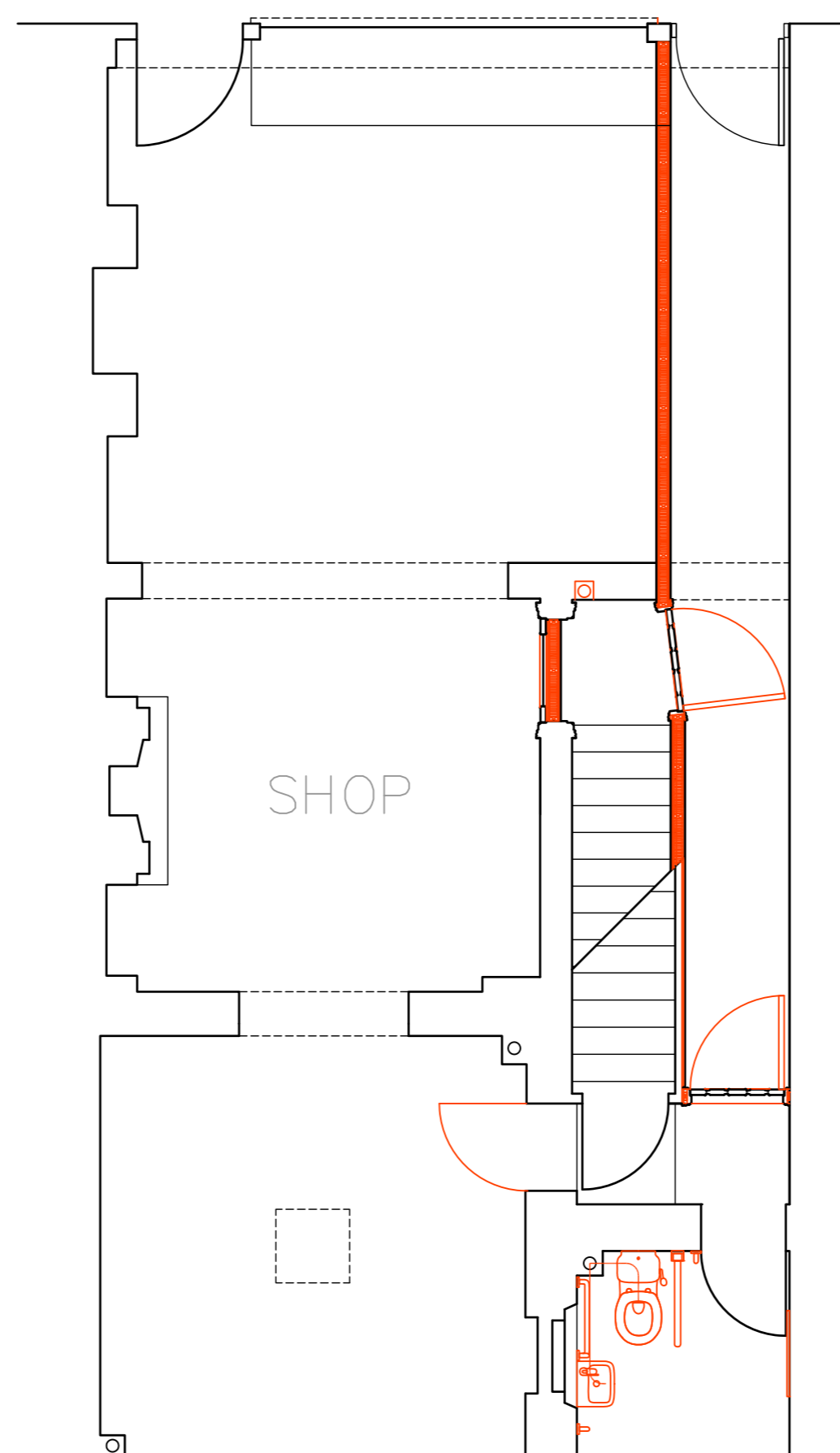
T H I R D
44m² residential



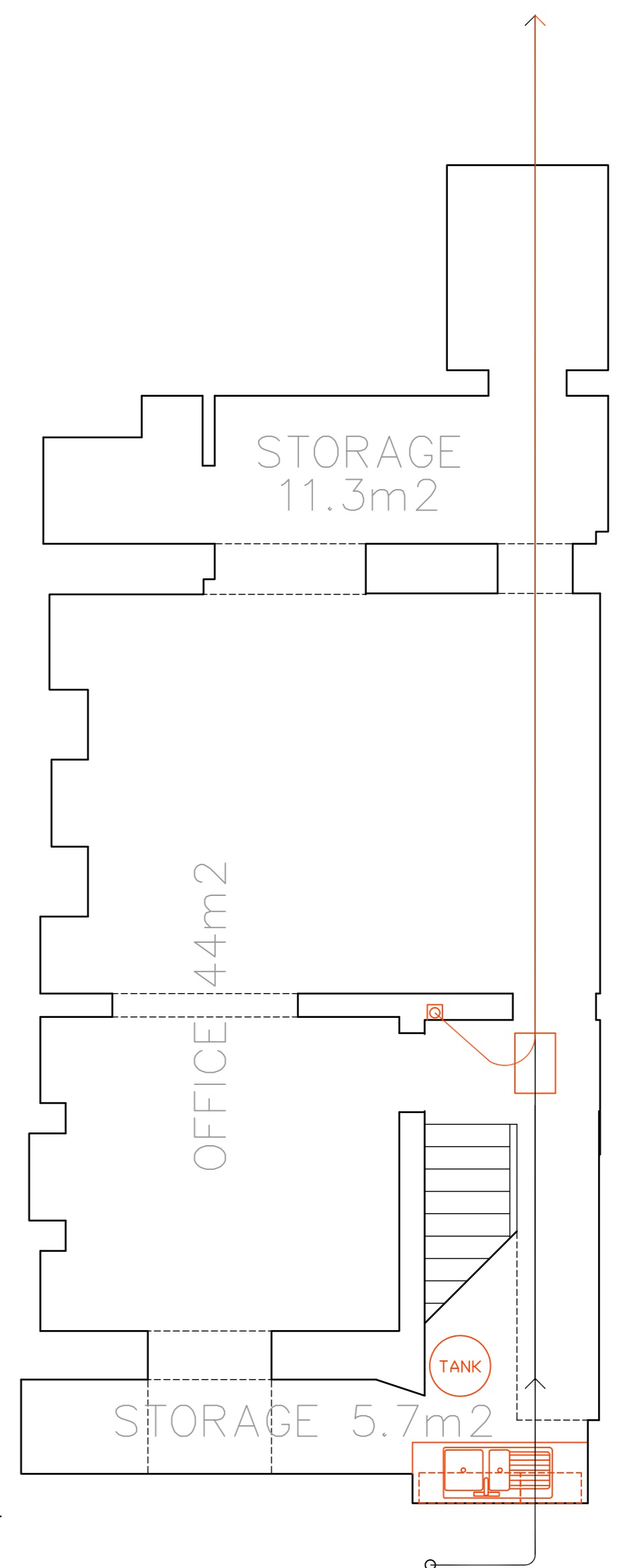
S E C O N D
48m² residential



F I R S T
47.8m² residential



G R O U N D
44m² shop
6.4m² toilet & shop stair
4.5m² residential stair
8.1m² common corridor



B A S E M E N T
44m² office
17m² storage

REVISIONS
A 19.09.15 GENERAL
B 16.10.15 PLANNING APPLICATION
C 20.12.15 DRAINAGE ADDED AND FRENCH DOOR AMENDED

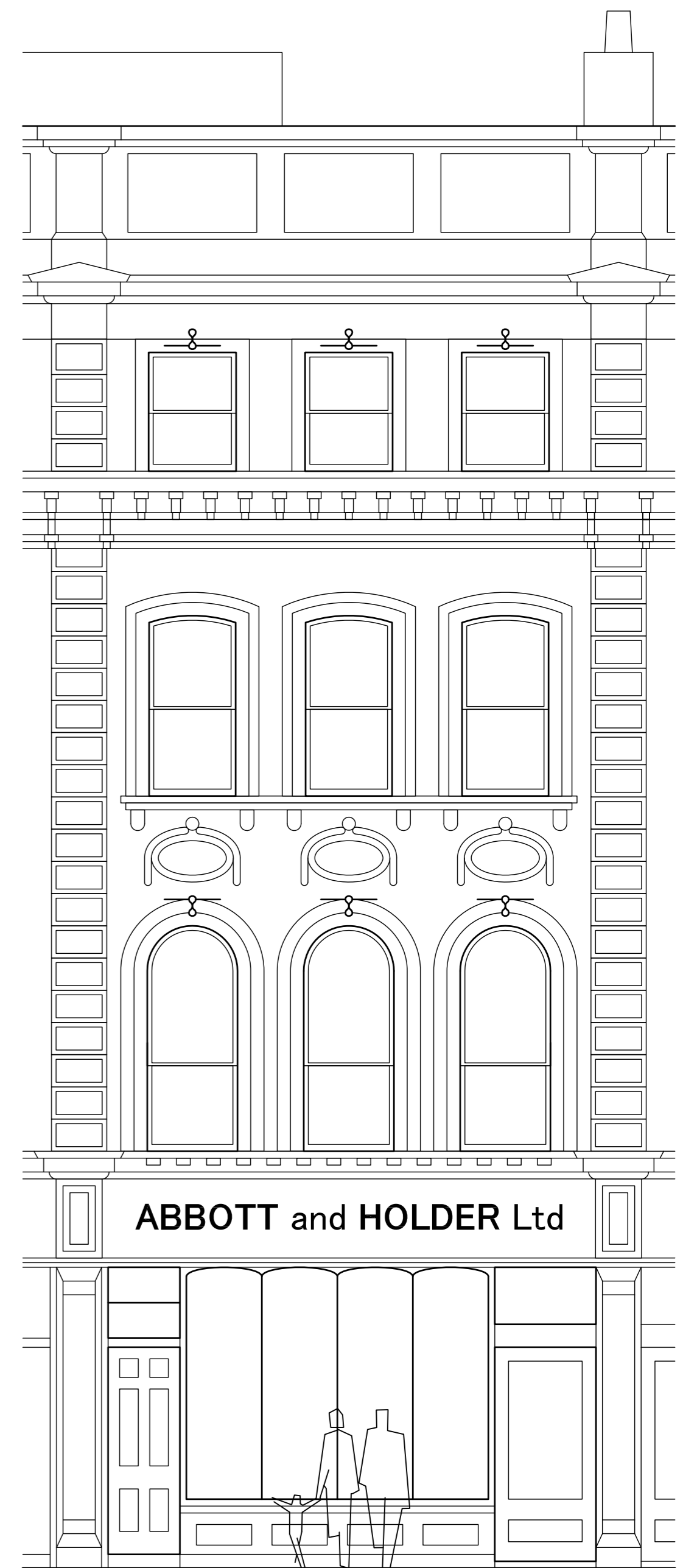
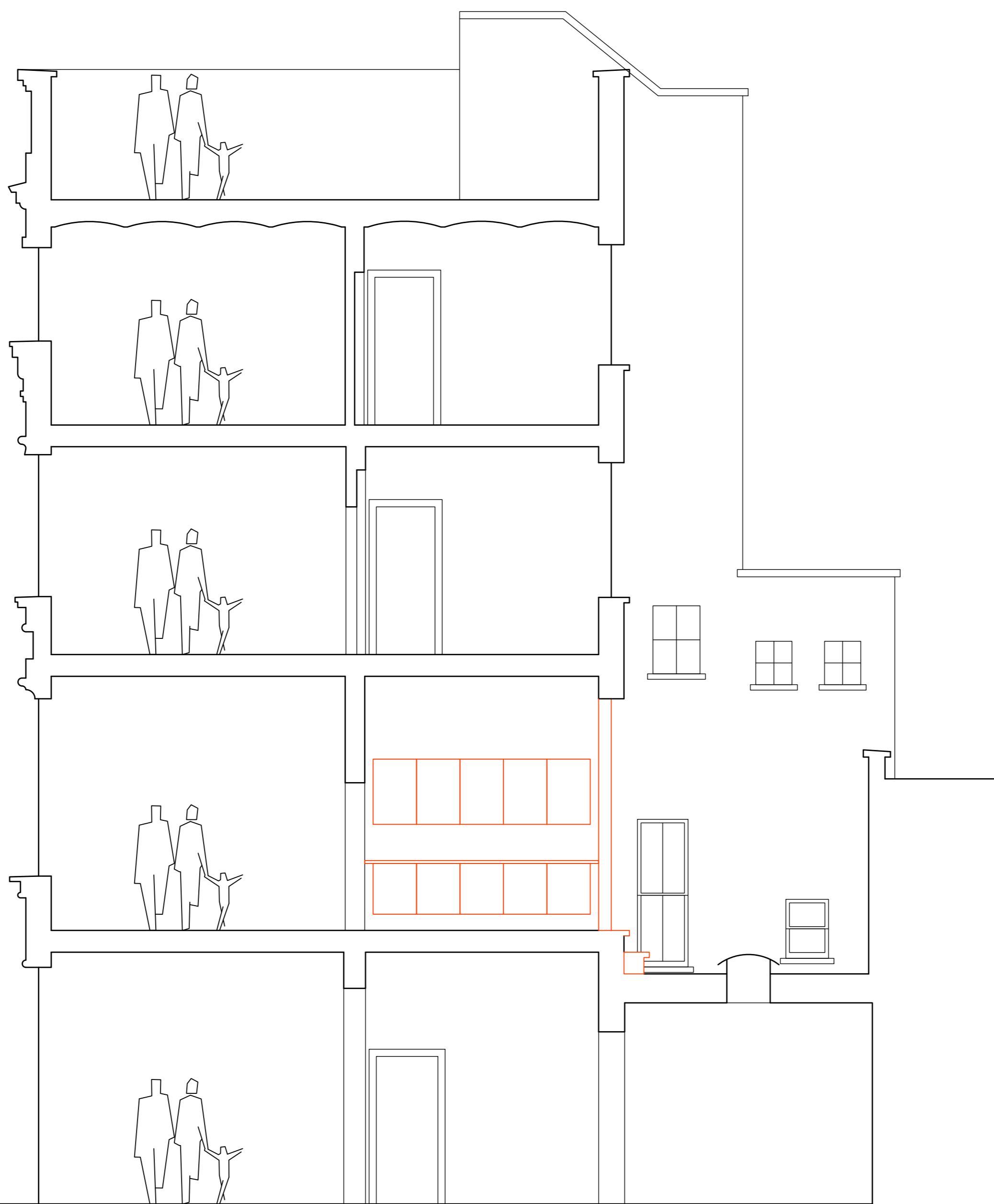
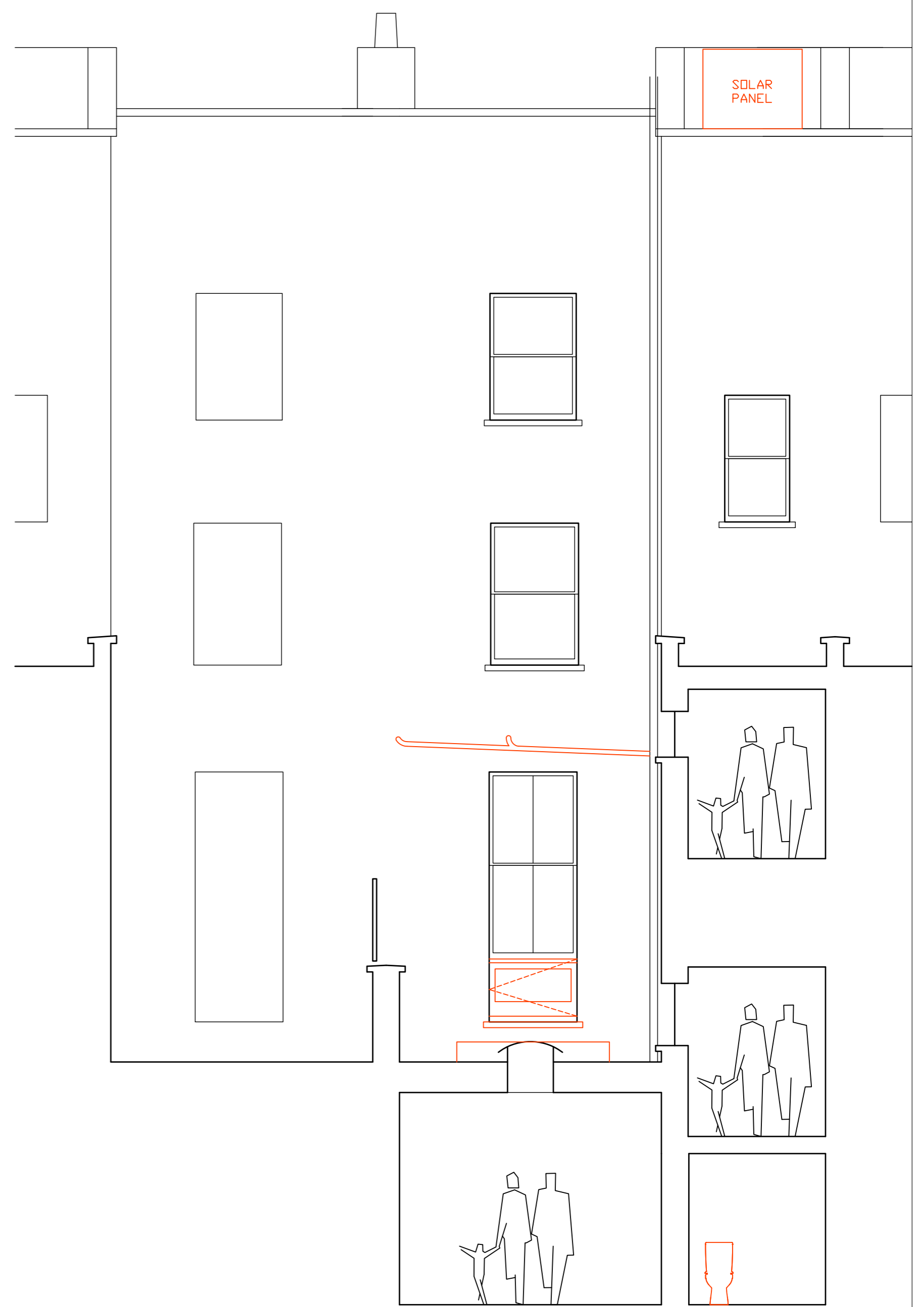
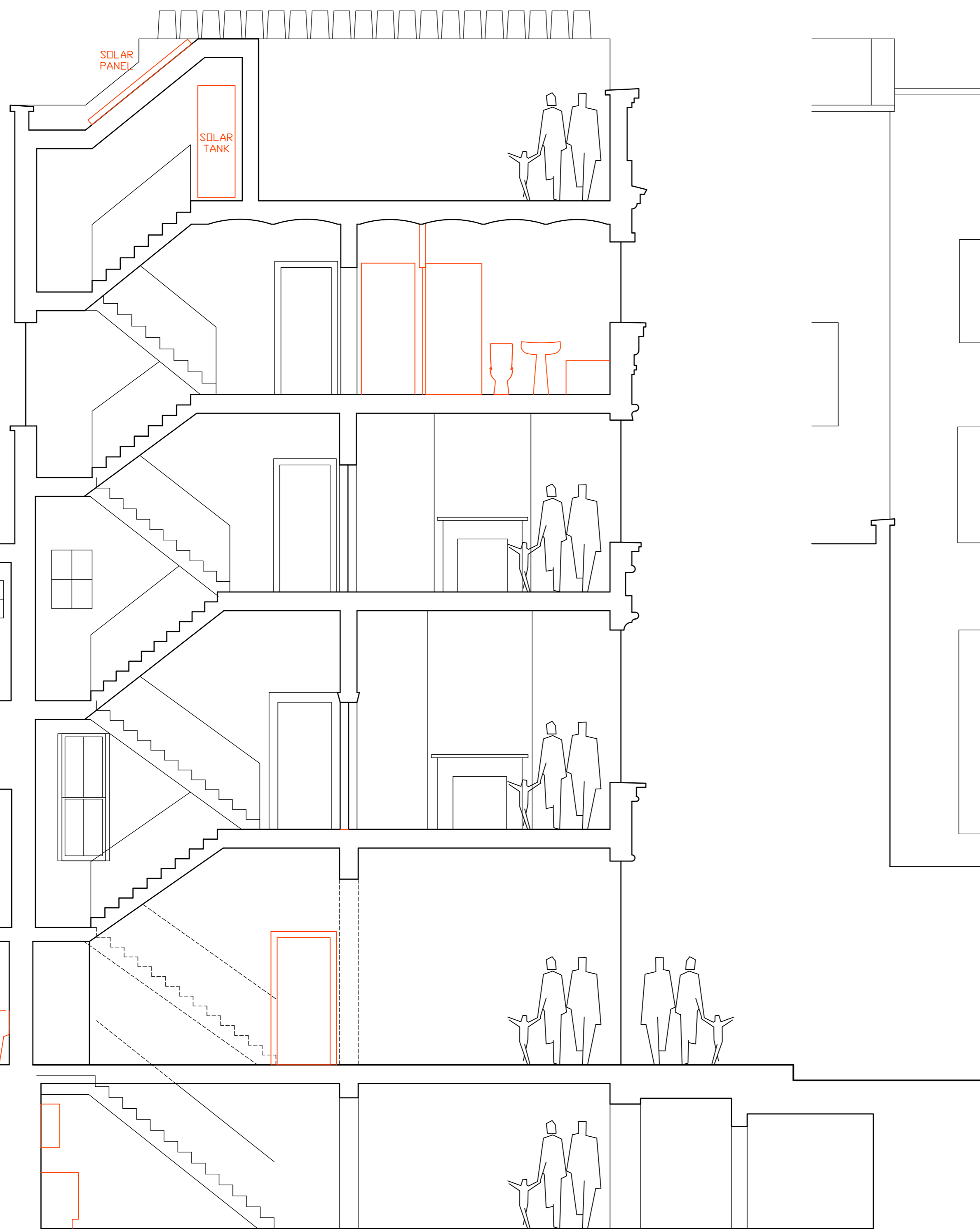
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Gregory Munson RIBA . architect

Building plans at 1:50		30 Museum Street, WC1A 1LH for P Athill Esq.	
Proposed	SCALE 1:50@A1	DATE 20.12.15	DWG.No 8
			REV C

34 RAGLAN STREET, LONDON, NW5 3DA. TEL 07887 545004. EMAIL gregorymunson@gmail.com



REVISIONS

C 20.12.15 DRAINAGE ADDER AND FRENCH DOOR AMENDED
 B 19.09.15 PLANNING APPLICATION
 A 21.04.15 GENERAL

Scale 1:50
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Gregory Munson RIBA . architect

Elevations and sections		30 Museum Street, WC1A 1LH for P Athill Esq.	
Proposed	SCALE 1:50@A1	DATE 20.12.15	DWG.No 9
			REV C

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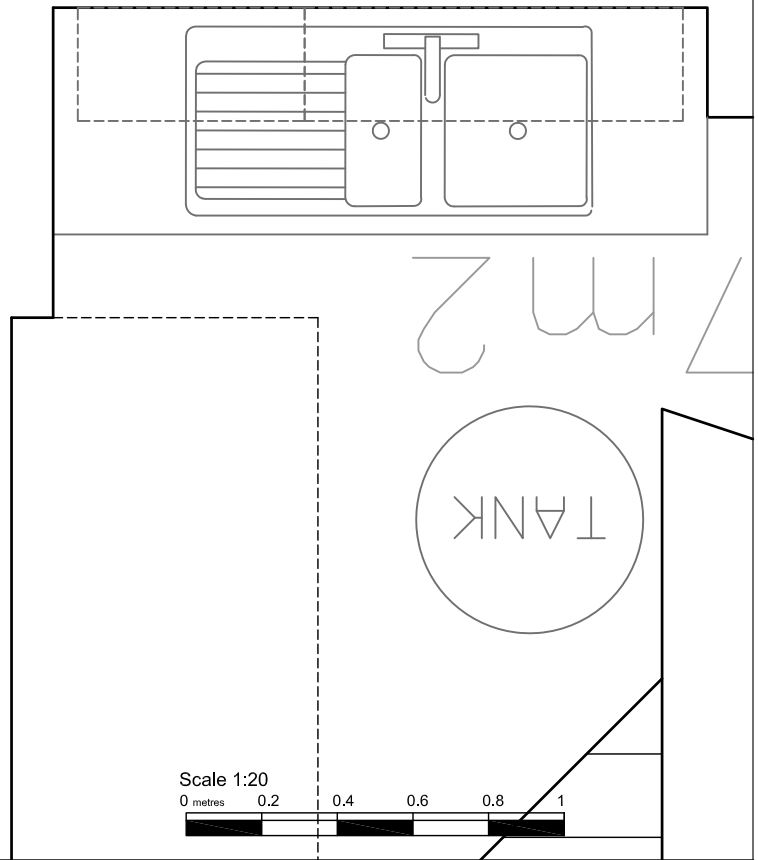
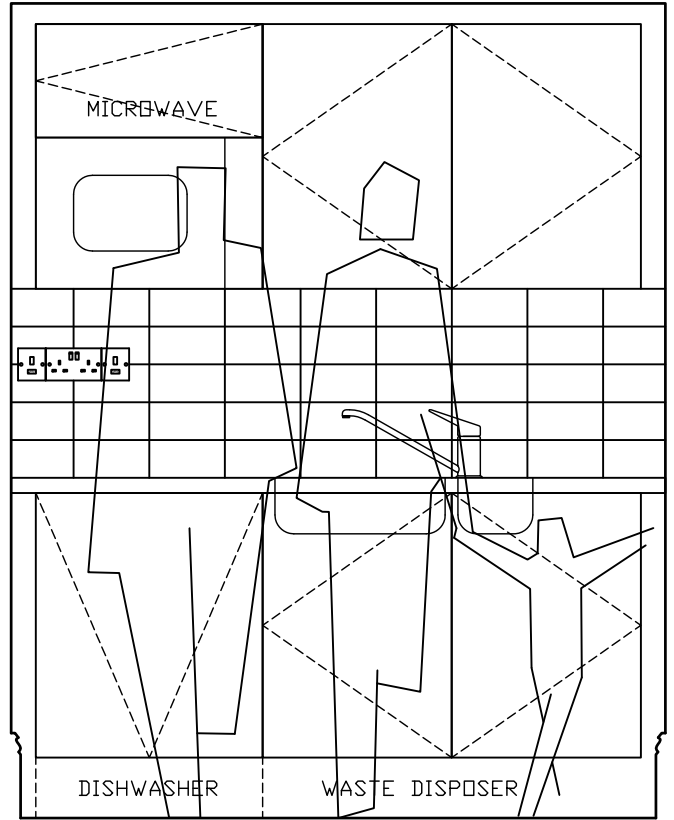
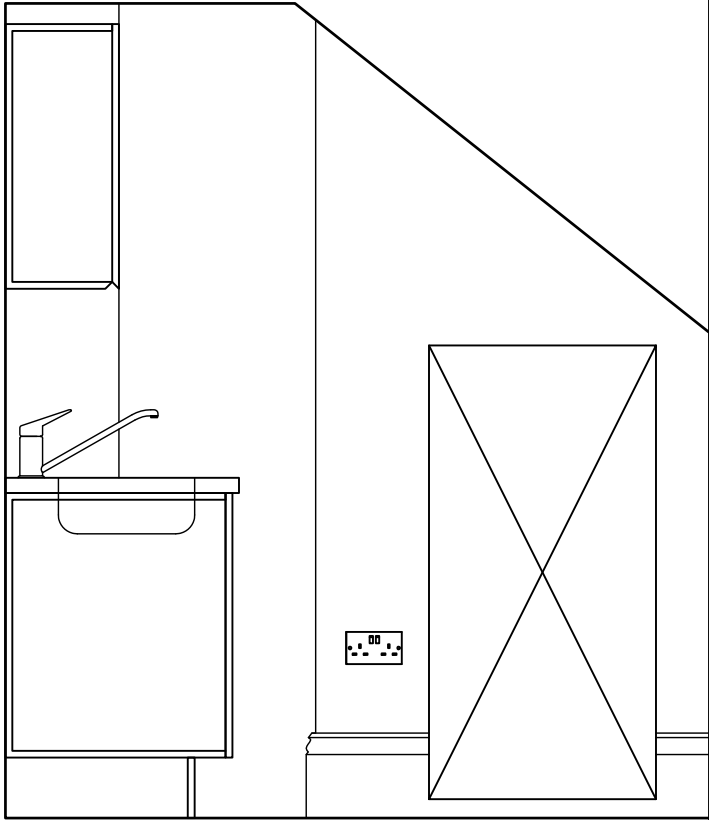
Gregory Munson RIBA . architect

REVISIONS
A 16.10.15

Detail drawings
see Schedule of Works
Remove modern boiler room

30 Museum Street, WC1A 1LH
for P Athill Esq.

SCALE	DATE	DWG.No	REV
1:20@A3	25.09.15	B1	A



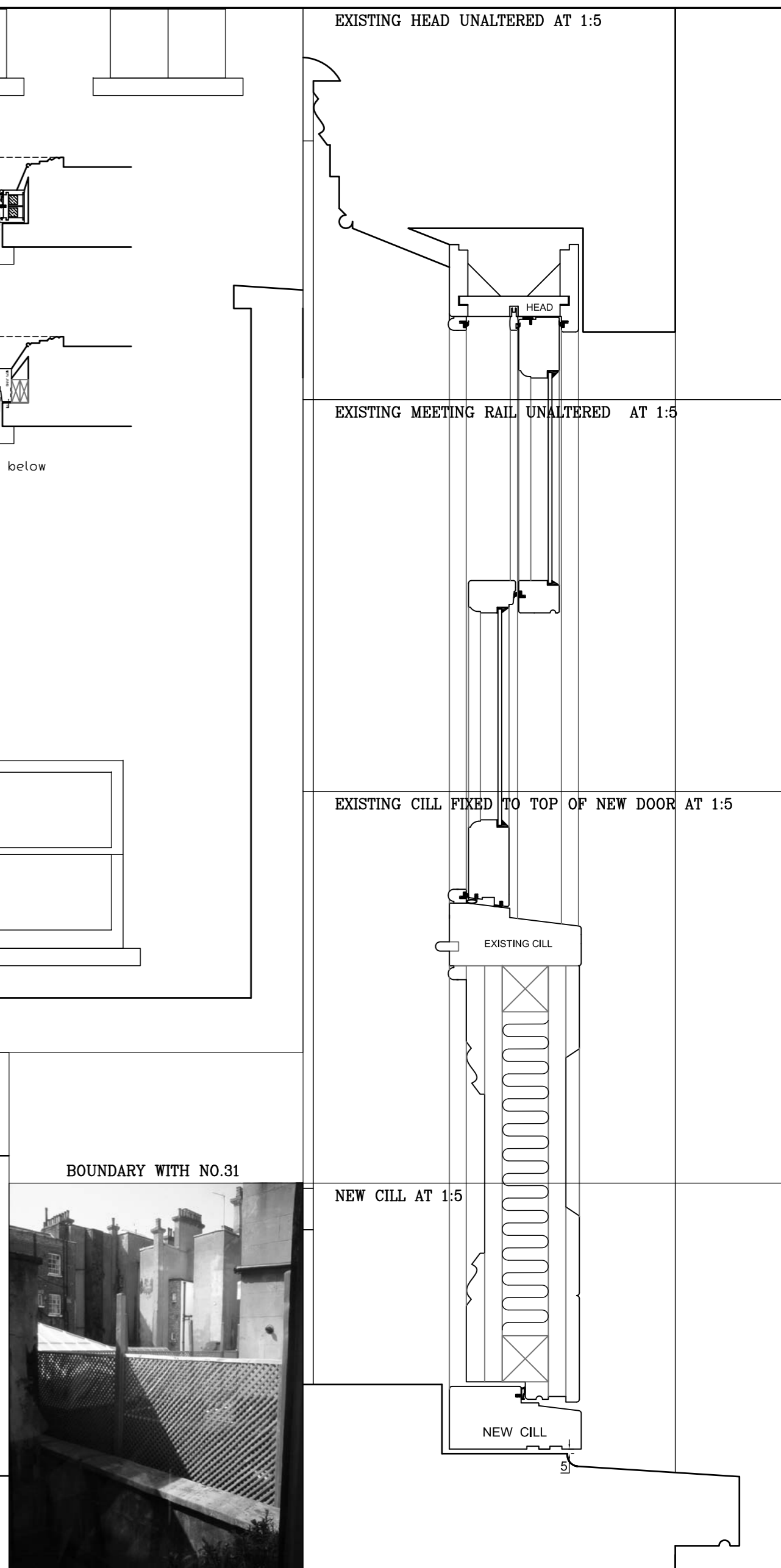
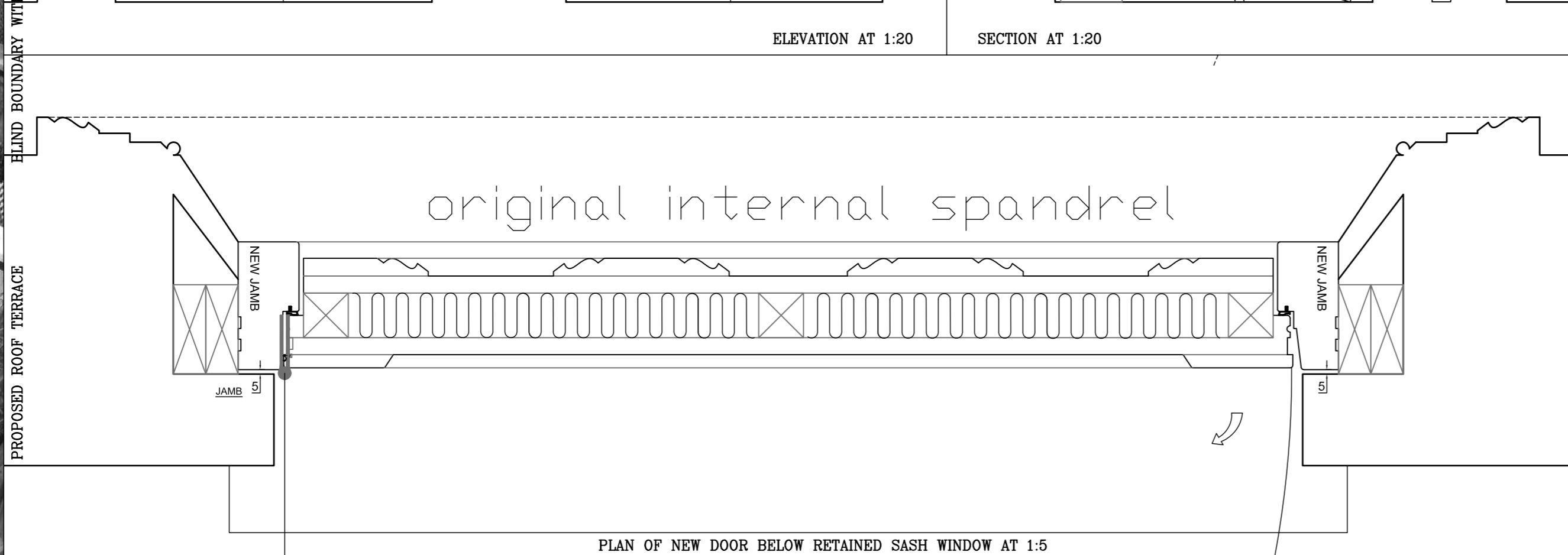
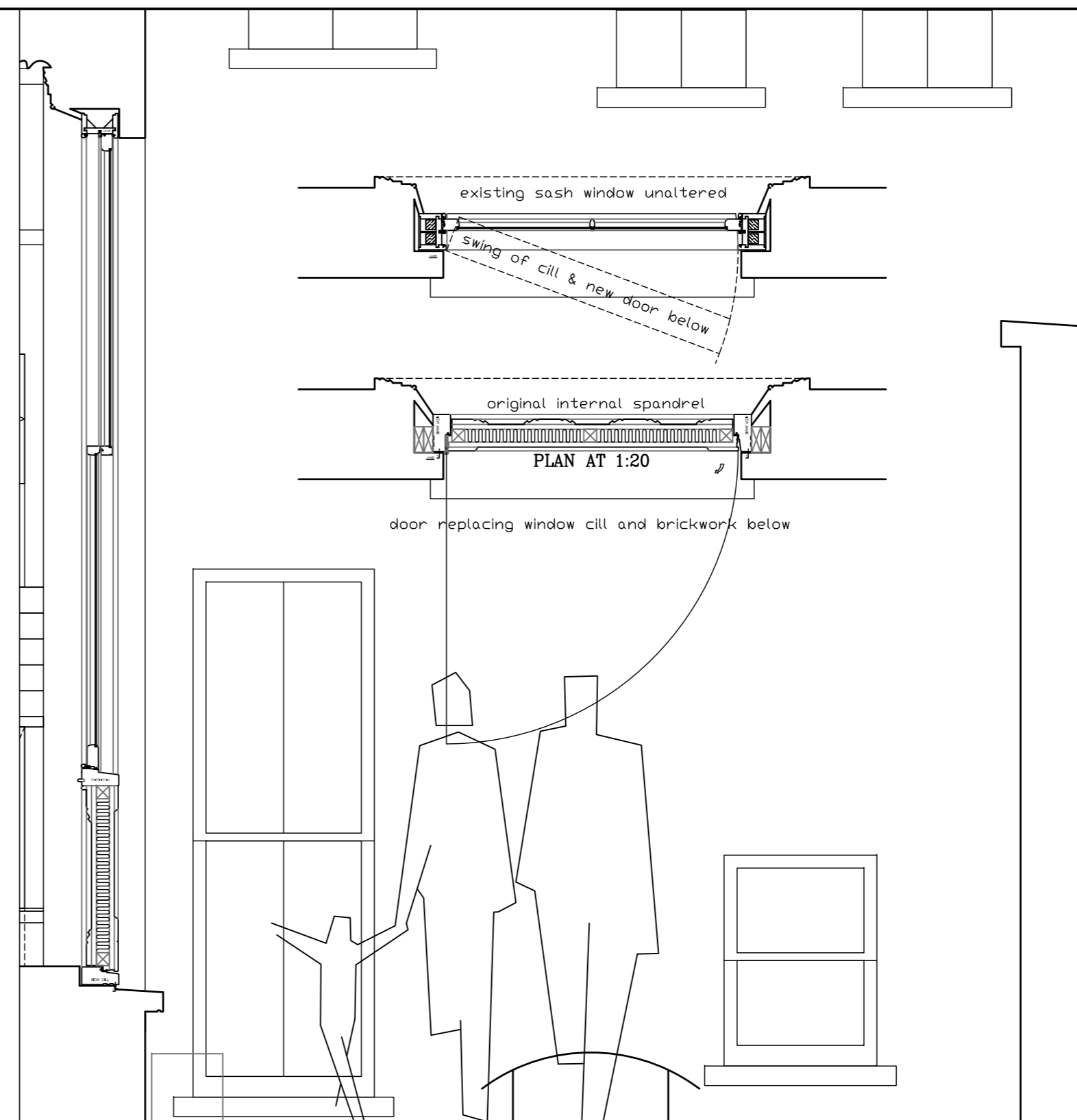
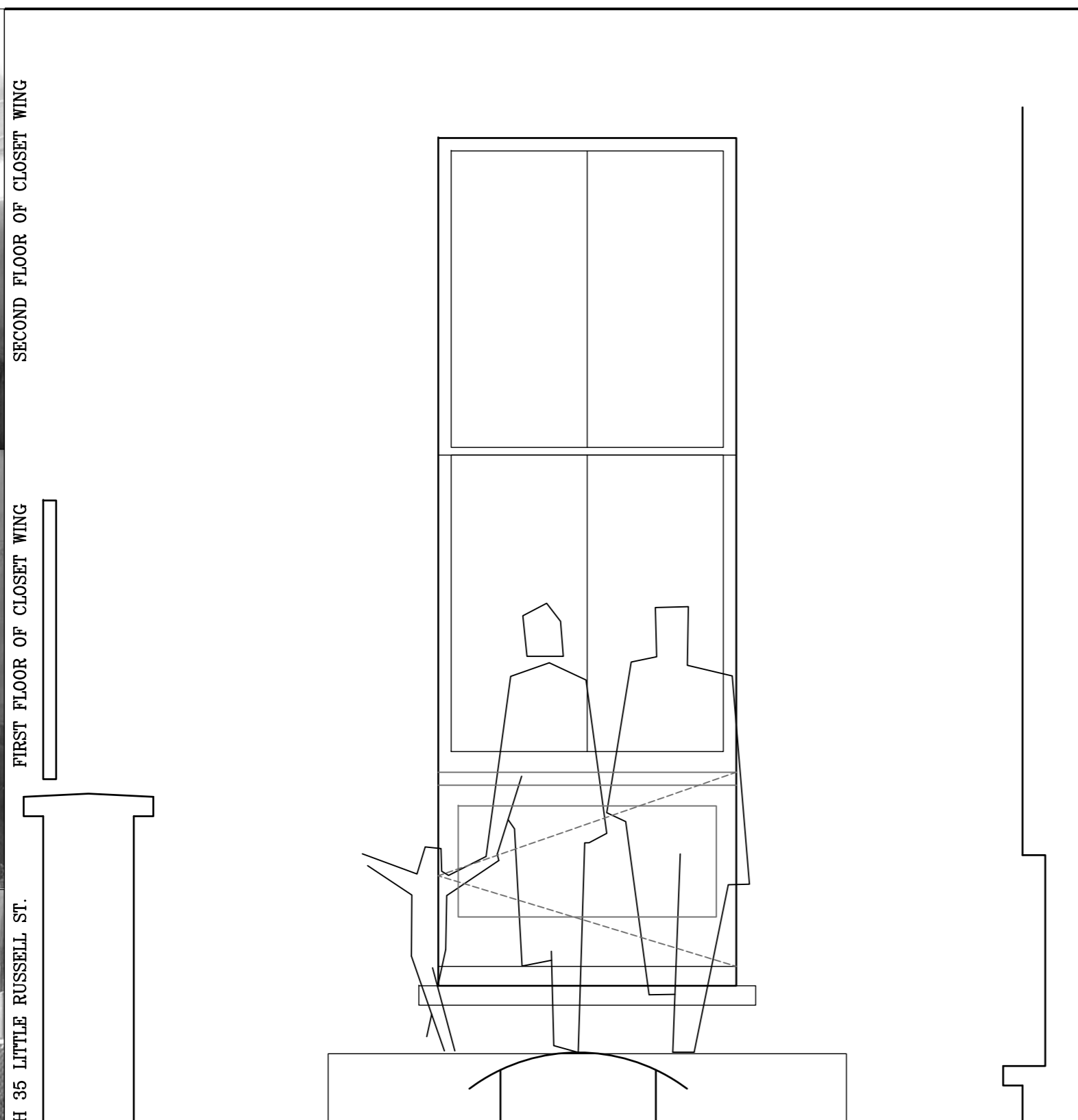
Gregory Munson RIBA . architect

REVISIONS
A 16.10.15

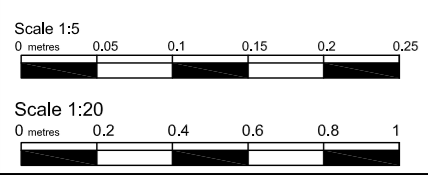
Detail drawings
see Schedule of Works
Basement Teapoint

30 Museum Street, WC1A 1LH
for P Athill Esq.

SCALE	DATE	DWG.No	REV
1:20@A3	25.09.15	B2	A



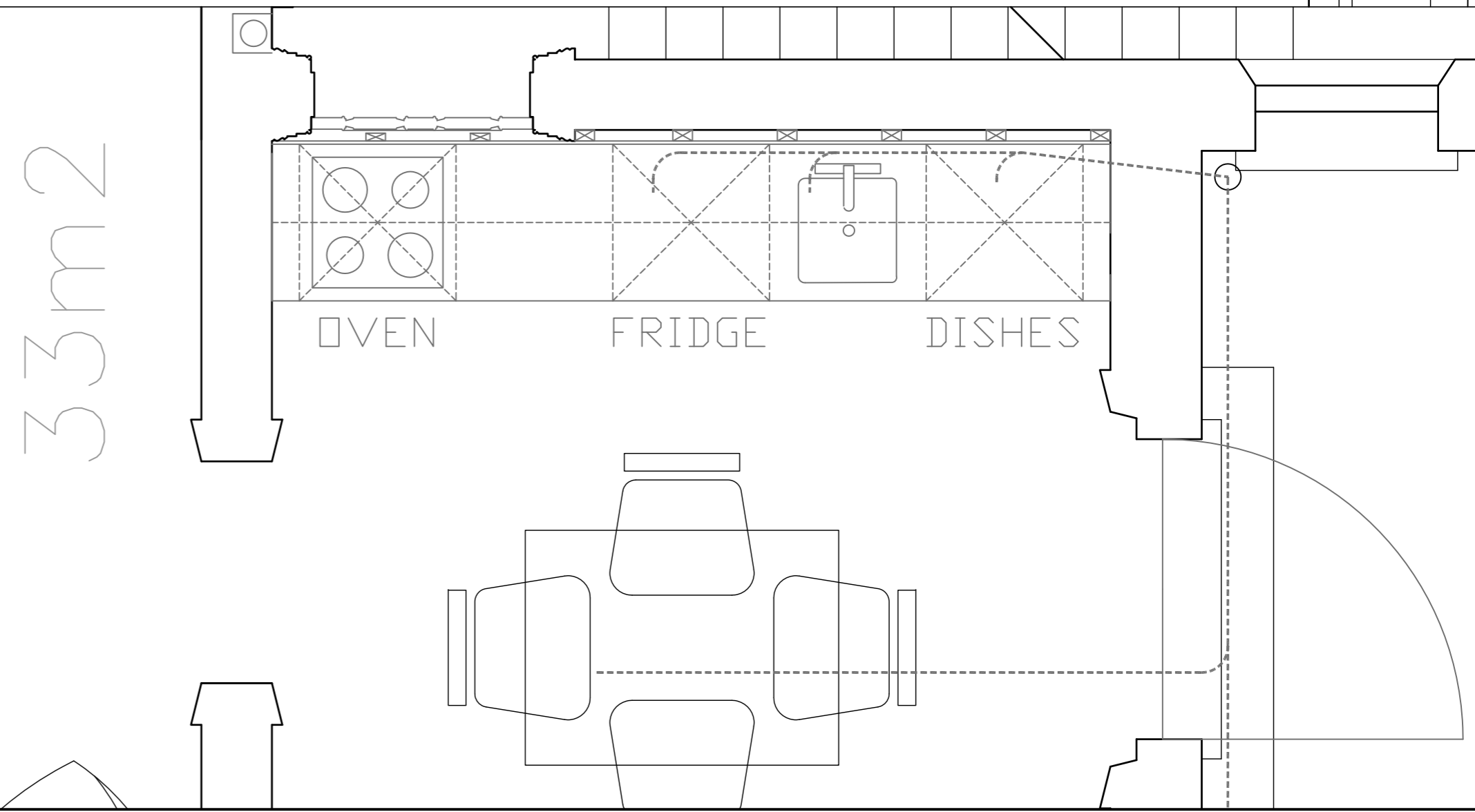
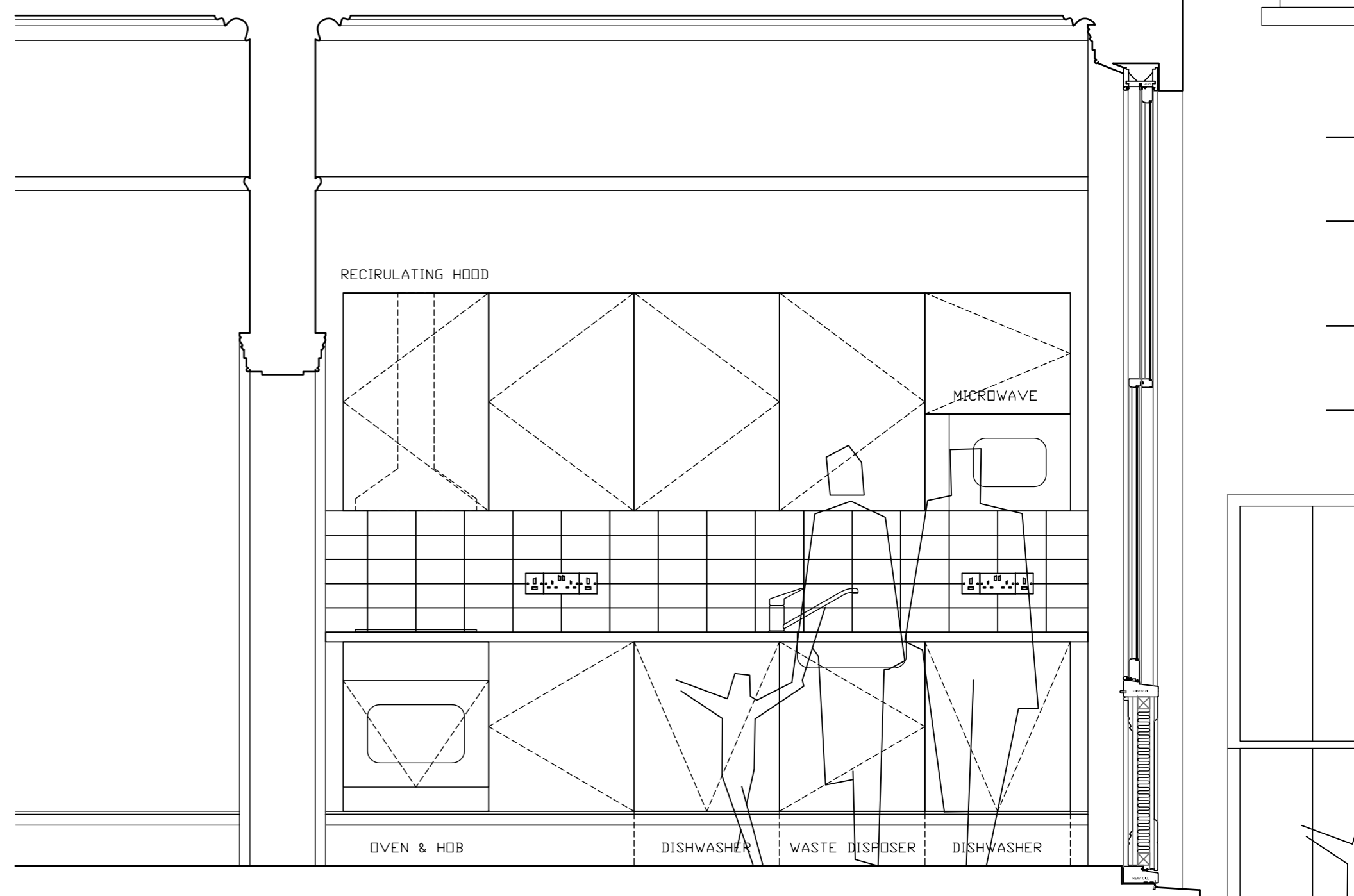
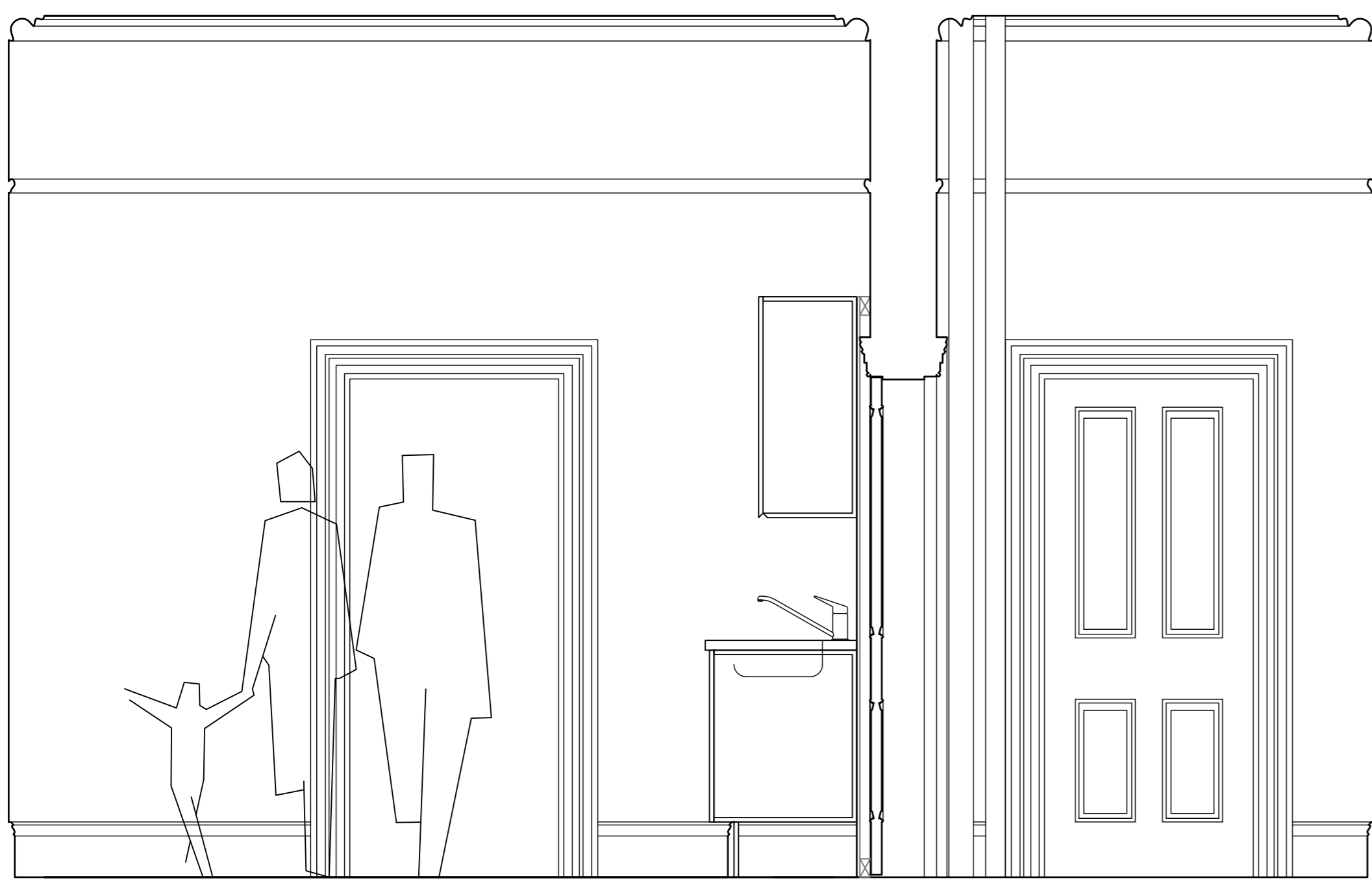
Gregory Munson RIBA . architect



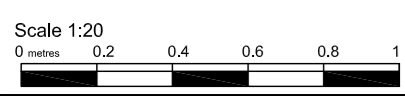
REVISIONS
A 20.12.15

Detail drawings
see Schedule of Works
French doors

30 Museum Street, WC1A 1LH for P Athill Esq.			
SCALE	DATE	DWG.No	REV
@A2	25.09.15	F2	A



Gregory Munson RIBA . architect



REVISIONS
A 16.10.15
B 13.12.15
B 20.12.15

Detail drawings
see Schedule of Works
Kitchen

30 Museum Street, WC1A 1LH for P Athill Esq.			
SCALE	DATE	DWG.No	REV
1:20@A2	25.09.15	F5	C



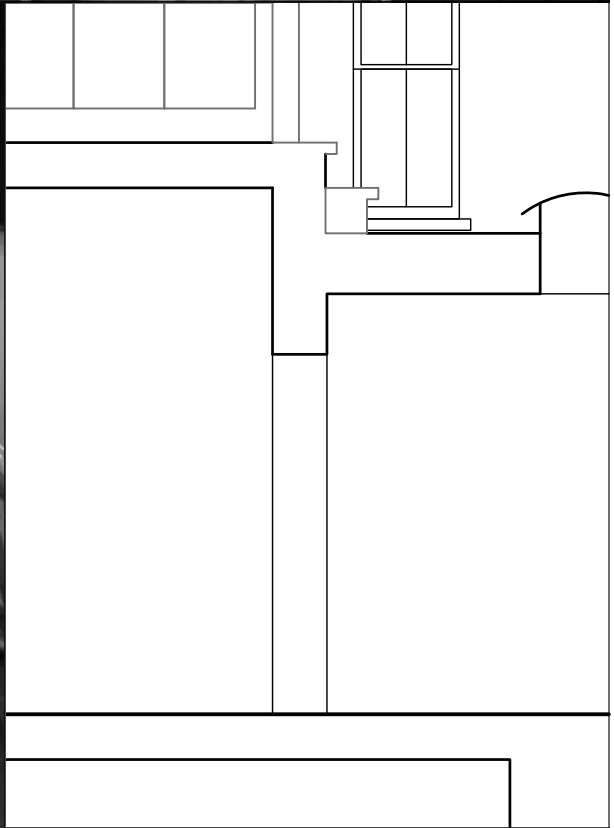
Gregory Munson RIBA . architect

REVISIONS
A 16.10.15

Detail drawings
see Schedule of Works
Bin & cycle store

30 Museum Street, WC1A 1LH
for P Athill Esq.

SCALE	DATE	DWG.No	REV
1:20@A3	25.09.15	F5	A



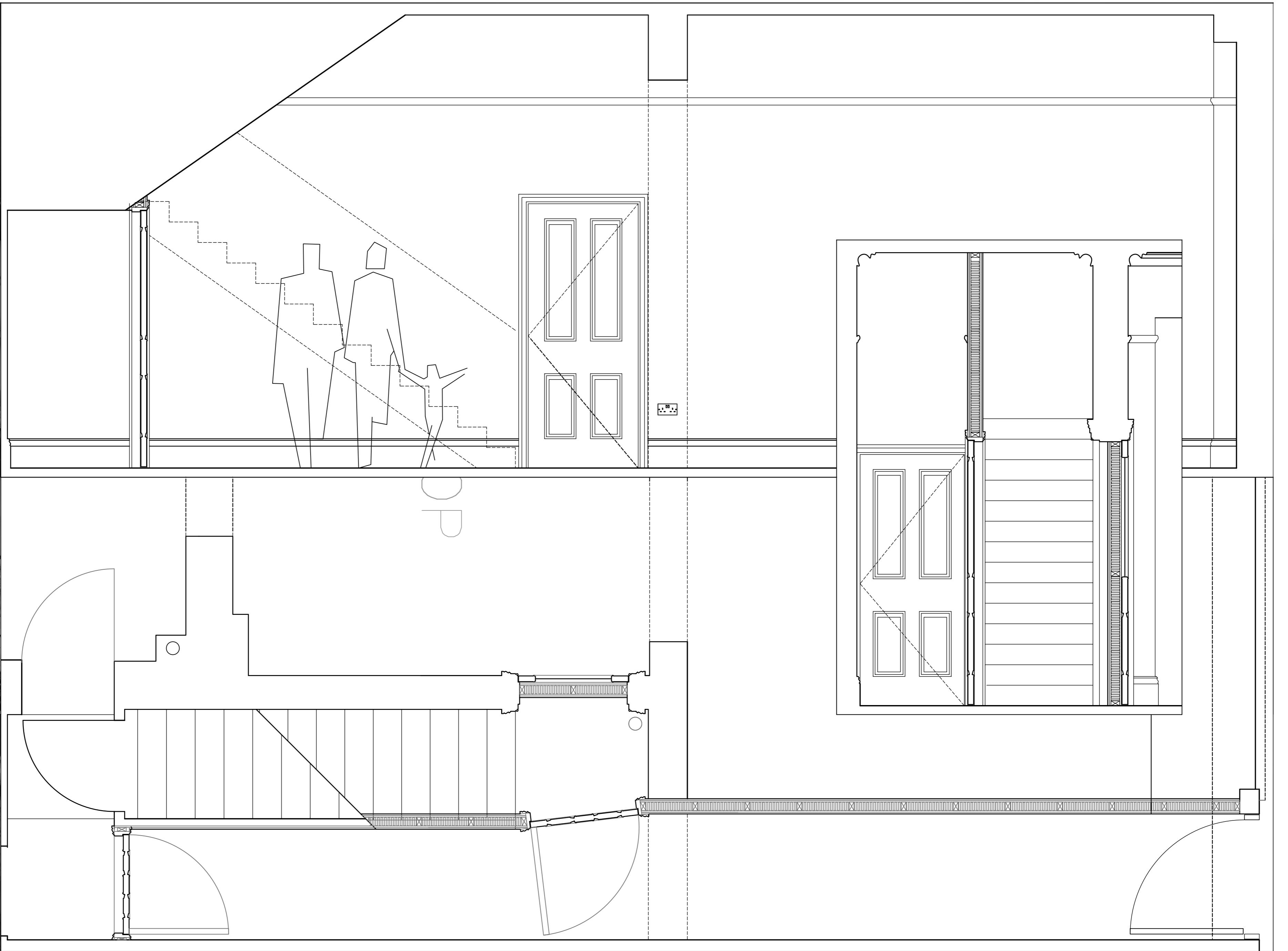
Gregory Munson RIBA . architect

REVISIONS
A 16.10.15

Detail drawings
see Schedule of Works
Remove modern doorway

30 Museum Street, WC1A 1LH
for P Athill Esq.

SCALE	DATE	DWG.No	REV
1:20@A3	25.09.15	G1	A



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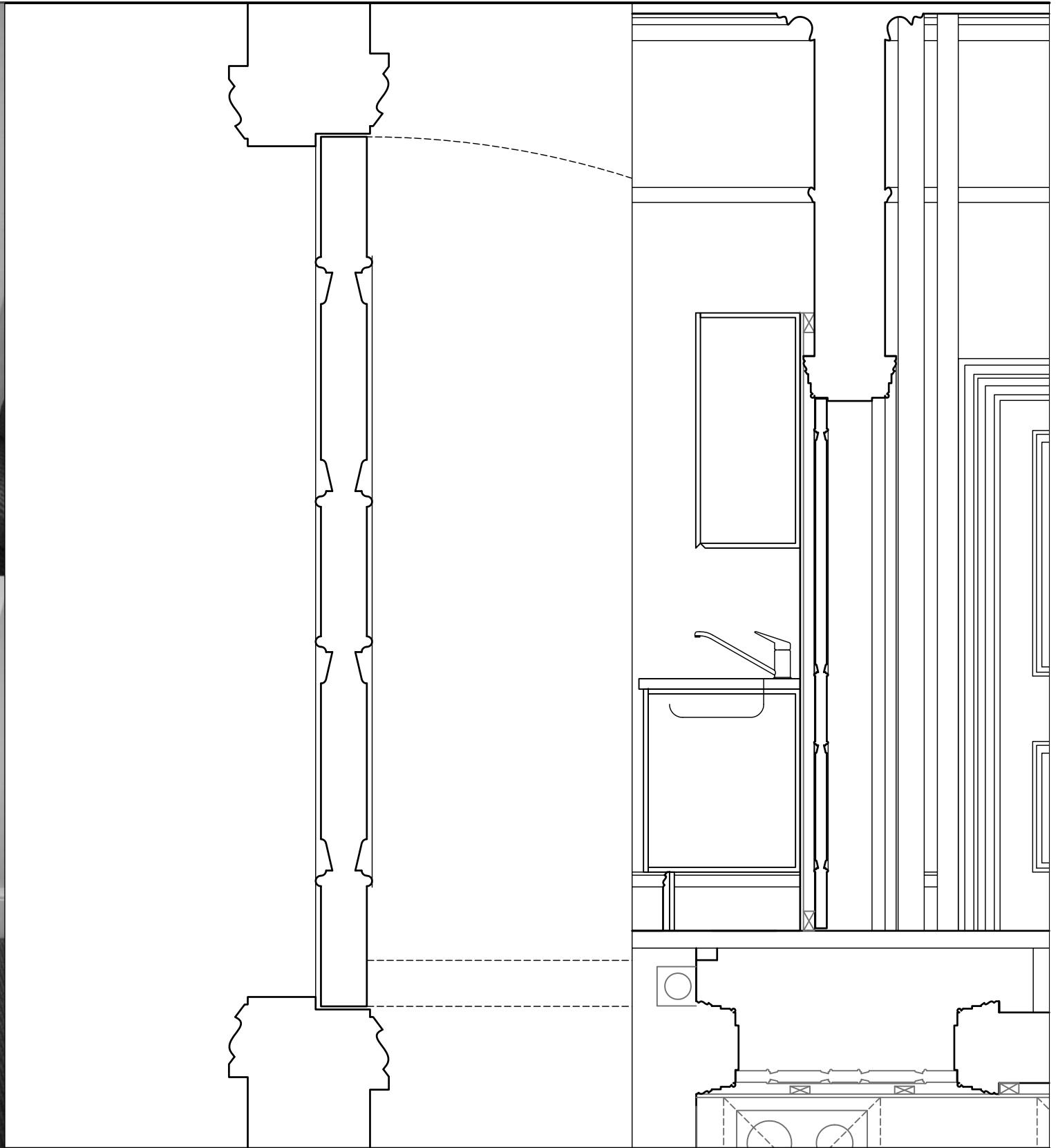
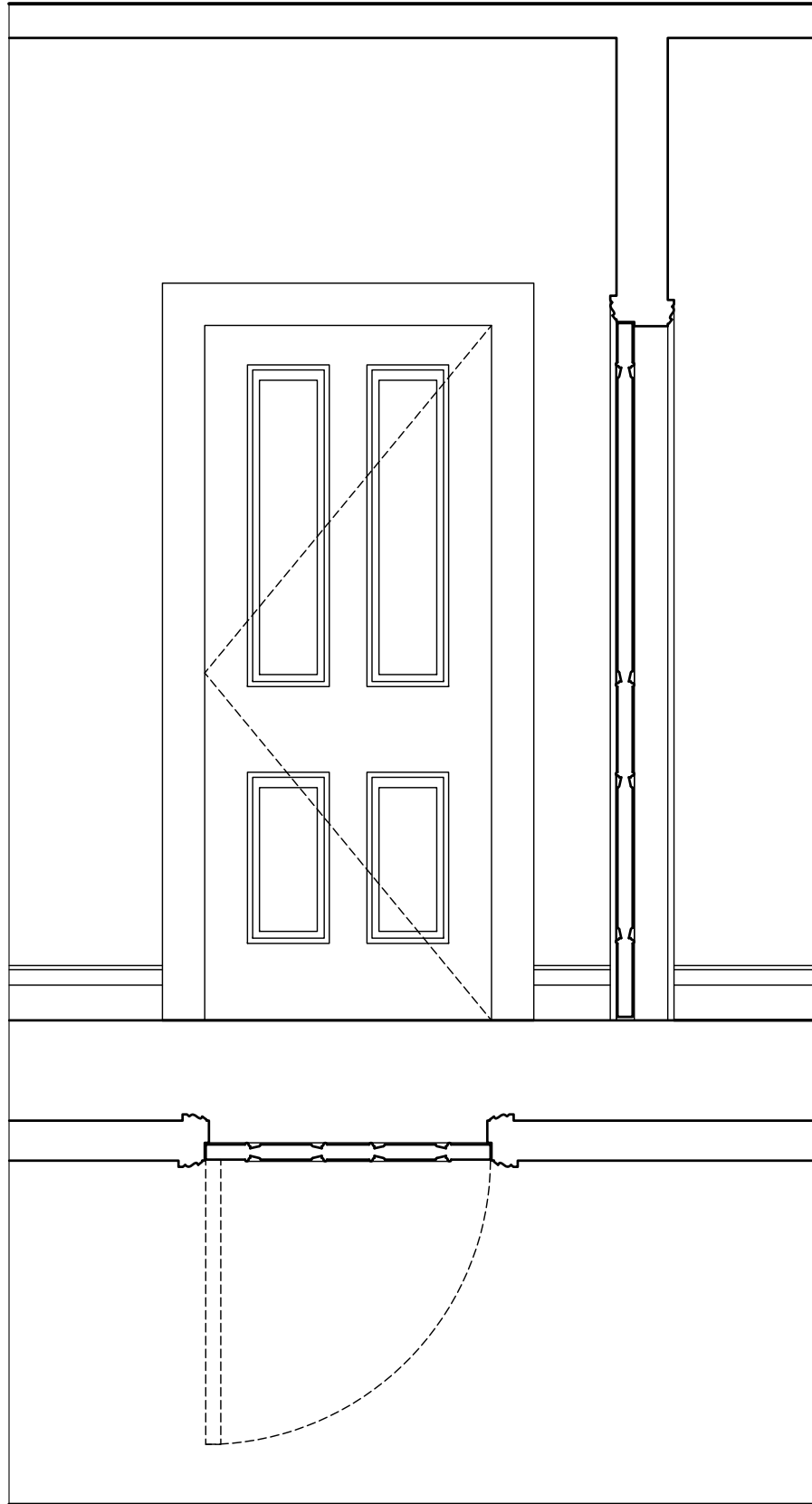
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REVISIONS
A 16.10.15

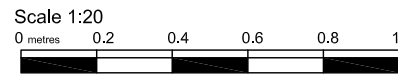
Detail drawings
see Schedule of Works
Entrance works

30 Museum Street, WC1A 1LH
for P Athill Esq.

SCALE	DATE	DWG.No	REV
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Gregory Munson RIBA . architect



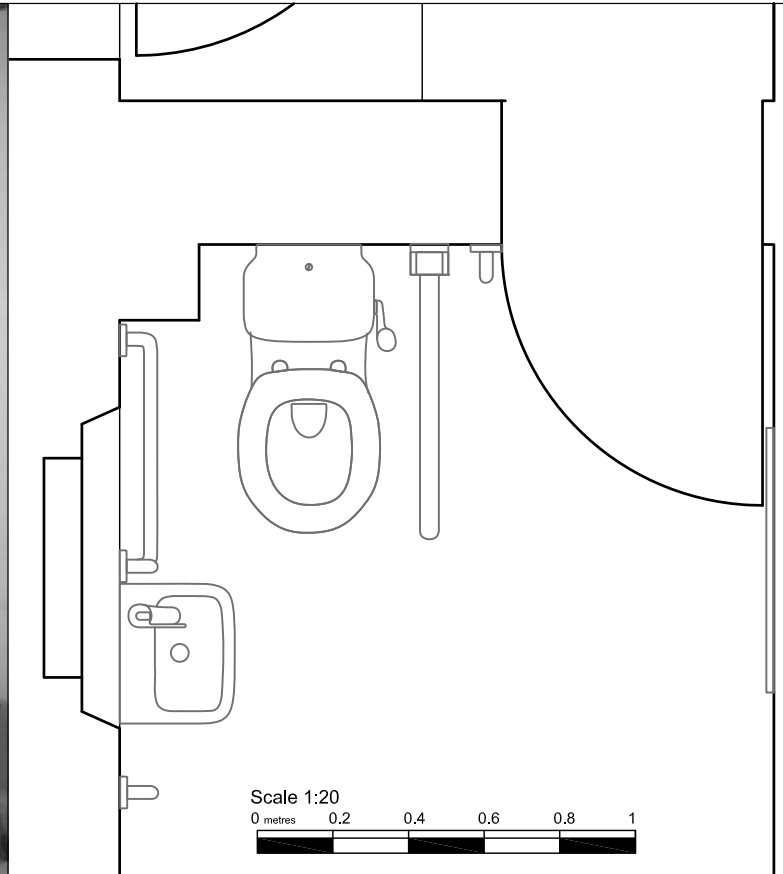
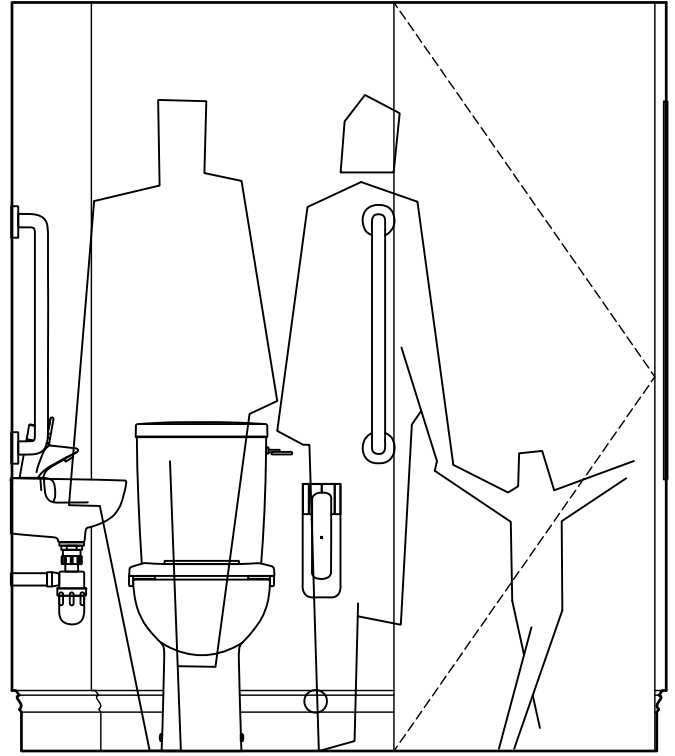
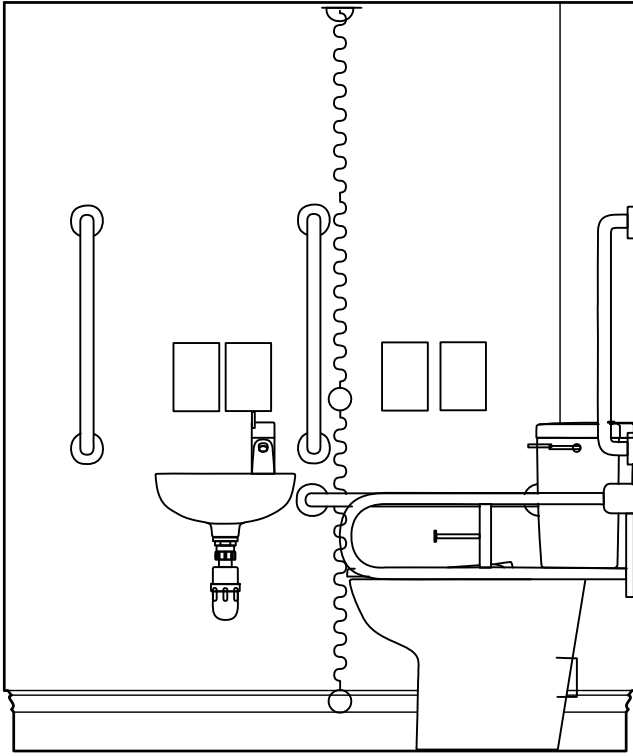
REVISIONS

- A 16.10.15
- B 20.12.15

Detail drawings
 see Schedule of Works
 Internal doors

30 Museum Street, WC1A 1LH
 for P Athill Esq.

SCALE	DATE	DWG.No	REV
1:20@A3	25.09.15	G5,F4,S2,S3	B



Gregory Munson RIBA . architect

REVISIONS
A 16.10.15

Detail drawings
see Schedule of Works
Shop toilet

30 Museum Street, WC1A 1LH
for P Athill Esq.

SCALE	DATE	DWG.No	REV
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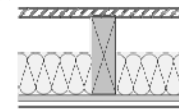


BS

Table 2b - Indirect fix plasterboard to new or existing solid timber joist floors
Solutions to satisfy the requirements of BS 476: Part 21: 1987

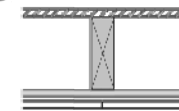


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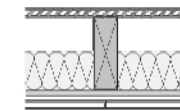
23mm thick (softwood or chipboard) floor boarding over minimum 100mm x 38mm timber joists at 600mm centres. Gyproc FR2 SureFix Bars fixed to underside of joists at 480mm centres and at perimeter with ceiling linings as in table fixed into the bars only. 100mm spacer Ready-Cut in the cavity.

2



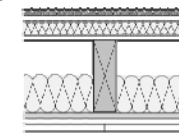
23mm thick (softwood or chipboard) floor boarding over minimum 100mm x 38mm timber joists at 600mm centres. Gyproc FR2 Resistant Bars fixed to underside of joists at 480mm centres and at perimeter with ceiling linings as in table fixed into the bars only.

3



23mm thick (softwood or chipboard) floor boarding over minimum 100mm x 38mm timber joists at 600mm centres. Gyproc FR2 Resistant Bars fixed to underside of joists at 480mm centres and at perimeter with ceiling linings as in table fixed into the bars only. 100mm spacer Ready-Cut in the cavity.

4



Typical platform floor construction (comprising walking surface of 28mm thick wood board flooring, spot-bonded with Gyproc Sealant at 300mm centres) on a substrate of Gyproc Mark laid on 28mm Acoustic Densifying Floor Mat, laid on a minimum of 50mm wood-based sheet sub-deck nailed to the joists over minimum 100mm x 38mm timber joists at 600mm centres. Gyproc FR2 Resistant Bars fixed to underside of joists at 480mm centres and at perimeter with ceiling linings as in table fixed into the bars only. 100mm spacer Ready-Cut in the cavity.

Detail	Nominal floor depth mm	Board type	Ceiling lining thickness mm	Maximum loadbearing ratio	Sound insulation $R_w (R_p + Ctr)$ Airborne dB	Sound insulation $L_{w, impact}$ Impact dB	System reference
80 minutes fire resistance BS							
1	240	WallBoard	1 x 12.5	100%	41	76	C08006
80 minutes fire resistance BS							
2	258	FireLine	2 x 12.5	100%	45	72	C08031
3	263	SoundBloc	2 x 15	100%	54	80	C08039
4	315	SoundBloc	2 x 15	100%	54 (53)	54	C08040

NB The fire resistance and sound insulation performances are for imperforate partitions, walls and ceilings incorporating boards with all joints taped and filled, or dimmed according to British Gyproc's recommendations. The quoted performances are achieved only if British Gyproc components are used throughout, and the Company's fixing recommendations are strictly observed. Any variation in the specification should be checked with British Gyproc.

NB When boards are fixed direct to timber joists, Gyproc Drywall Timber Series should be used instead of nail-fixing to minimise the risk of fixing defects occurring.

NBS work section K10 - Plasterboard drylinings / partitions / ceilings; K11 - Rigid sheet flooring / sheathing / sarking / decking / linings / castings; K20 - Timber board flooring / sarking / linings / castings



REVISIONS
A 16.10.15

Detail drawings
see Schedule of Works
Fire and acoustic separation

30 Museum Street, WC1A 1LH
for P Athill Esq.

SCALE	DATE	DWG.No	REV
1:20@A3	25.09.15	F1	A



Building Solutions



Dow Building Solutions

Insulating lightweight inverted roofs with STYROFOAM Solutions



Design considerations

Introduction

Lightweight inverted roofs are suitable for use with a wide range of waterproofing materials in both new and existing buildings where limited roof top access is expected (i.e. maintenance traffic only).

The system is not suitable for use on heavily trafficked areas, such as balconies and terraces, nor should it be used with loose-laid membranes.

STYROFOAM-A and ROOFMATE LG-A
STYROFOAM™-A products use carbon dioxide as the main blowing agent - the Ozone Depletion Potential (ODP) is zero and the Global Warming Potential (GWP) is less than five.

ROOFMATE LG-A

The STYROFOAM-A Solution for insulating lightweight inverted roofs is ROOFMATE™ LG-A. It consists of STYROFOAM-A insulation boards with a factory applied top surface of modified mortar 10mm thick. The surface is mottled grey, resembling a cement/sand render with a wood float finish.

U-value	0.35	0.28
ROOFMATE LG-A (includes 10mm thick mortar topping)	130	190

Table 1: Required ROOFMATE LG-A thickness (mm) to meet U-values W/m²K

Roof build-up
ROOFMATE LG-A
High performance felt 9mm
Sand/cement screed 82mm
Concrete deck 220mm
Rainwater cooling capacity calculated to BS EN ISO 8998 Annex D4, p=3mm/day

ROOFMATE LG-A is designed to give the maximum benefit in lightweight inverted roofs. The boards are:
»»» tongued and grooved on long edges so they lock together for continuous insulation, eliminating thermal bridging
»»» light enough for one man to handle
»»» capable of being cut and shaped on site with a diamond-tipped circular saw.

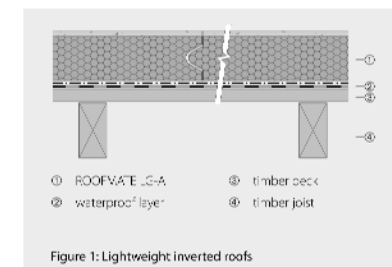


Figure 1: Lightweight inverted roofs

Design considerations

For the full physical properties and performance characteristics of ROOFMATE LG-A boards see separate guide: STYROFOAM performance, product overview and references.

Wind uplift

ROOFMATE LG-A is also designed to minimise the effect of wind uplift. Joints between boards interlock, but are not airtight, meaning differences in pressure between top and bottom surfaces, produced by wind blowing across the roof, rapidly equalise, reducing uplift forces on the insulation.

Refer to BRE Digest 295.

When assessing the effect of wind uplift upon ROOFMATE LG-A boards on a lightweight inverted roof it is important to consider:

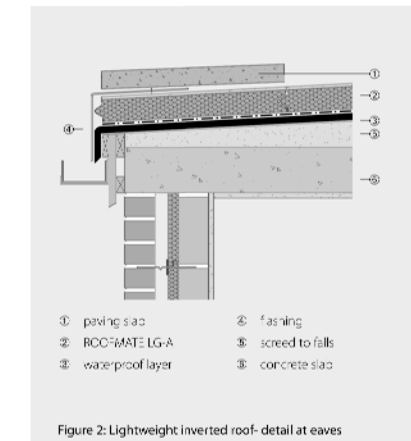
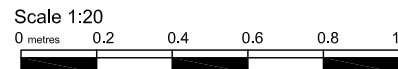


Figure 2: Lightweight inverted roof detail at eaves

- »»» **predicted uplift forces:** predictions of wind uplift should be based upon the calculation methods given in BS 6339: Part 2
- »»» **means of attachment of the waterproof layer:** waterproof layers on lightweight inverted roofs may be partially or fully adhered or mechanically attached: the weight of ROOFMATE LG-A boards should be ignored when assessing the stability of the waterproof layer under windload
- »»» **laying pattern of boards:** ROOFMATE LG-A boards must be laid in brick bond pattern with their tongued and grooved edges fully interlocked
- »»» **parapets and roof kerbs:** ROOFMATE LG-A boards must be protected from wind blowing directly underneath the boards: kerbs should extend at least 50mm above the top of the boards. On roofs with low wind exposure ROOFMATE LG-A boards may be laid to drain directly into an edge gully: protect the board edge with a cover flashing (Figure 2)
- »»» **edge restraint:** the mortar topping to the ROOFMATE LG-A boards provides some resistance to uplift, but edge restraint is usually required at the roof perimeter and around large penetrations such as plant rooms. Edge restraint can be achieved by laying a single row of 50mm thick paving slabs or adhering the boards to the substrate with a suitable adhesive. If exceptionally high uplift forces are involved further rows of paving or possibly mechanical restraint will be required.

A ROOFMATE LG-A project assessment form is available at www.styrofoam.co.uk or by emailing flktech@dow.com. The specifier should send a completed copy of the form to Dow Building Solutions for each project designed with ROOFMATE LG-A. On the basis of project information supplied, Dow Building Solutions will calculate the amount and location of restraint required. For assistance in completing the form please contact Dow Building Solutions at flktech@dow.com.

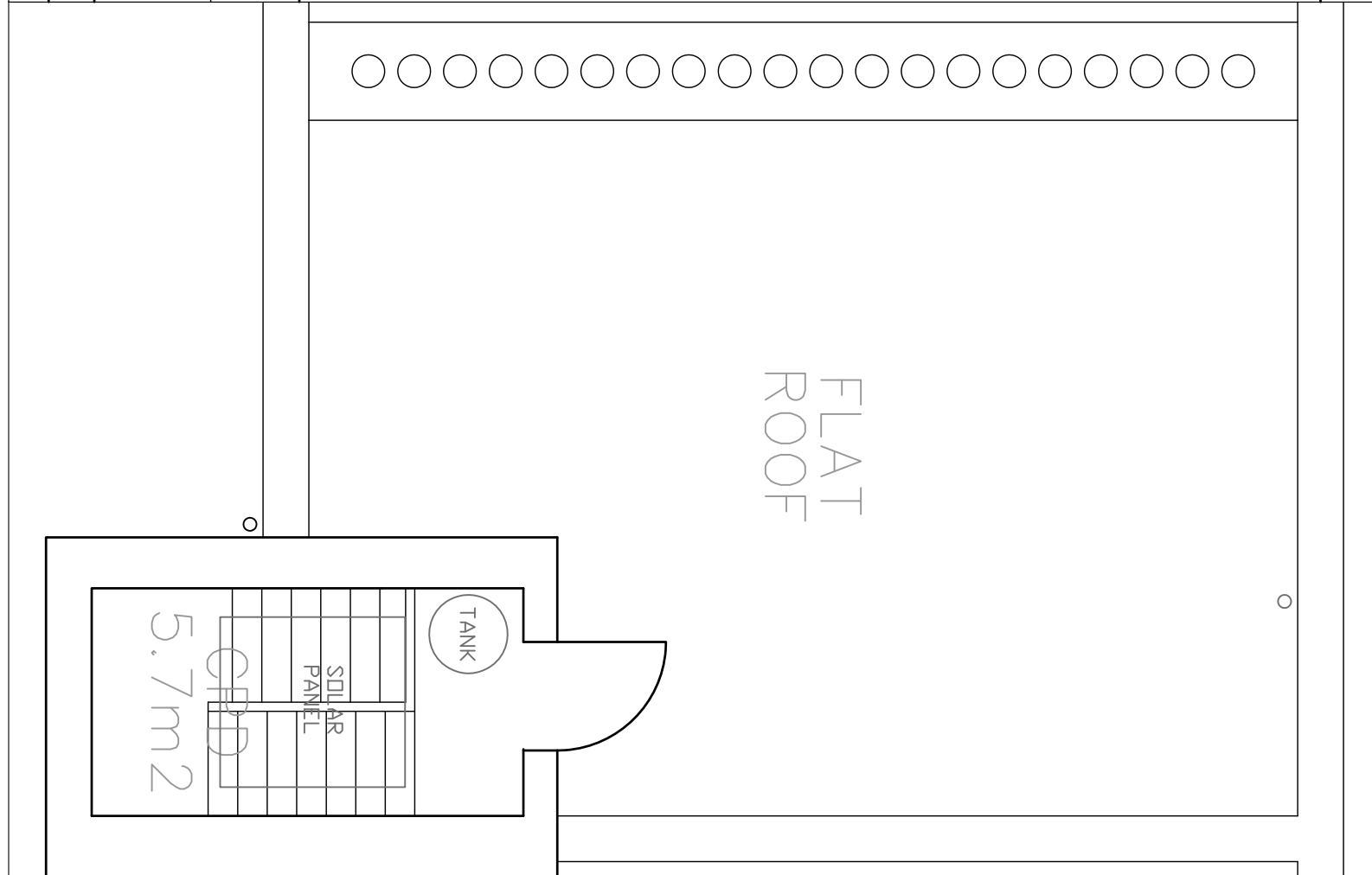
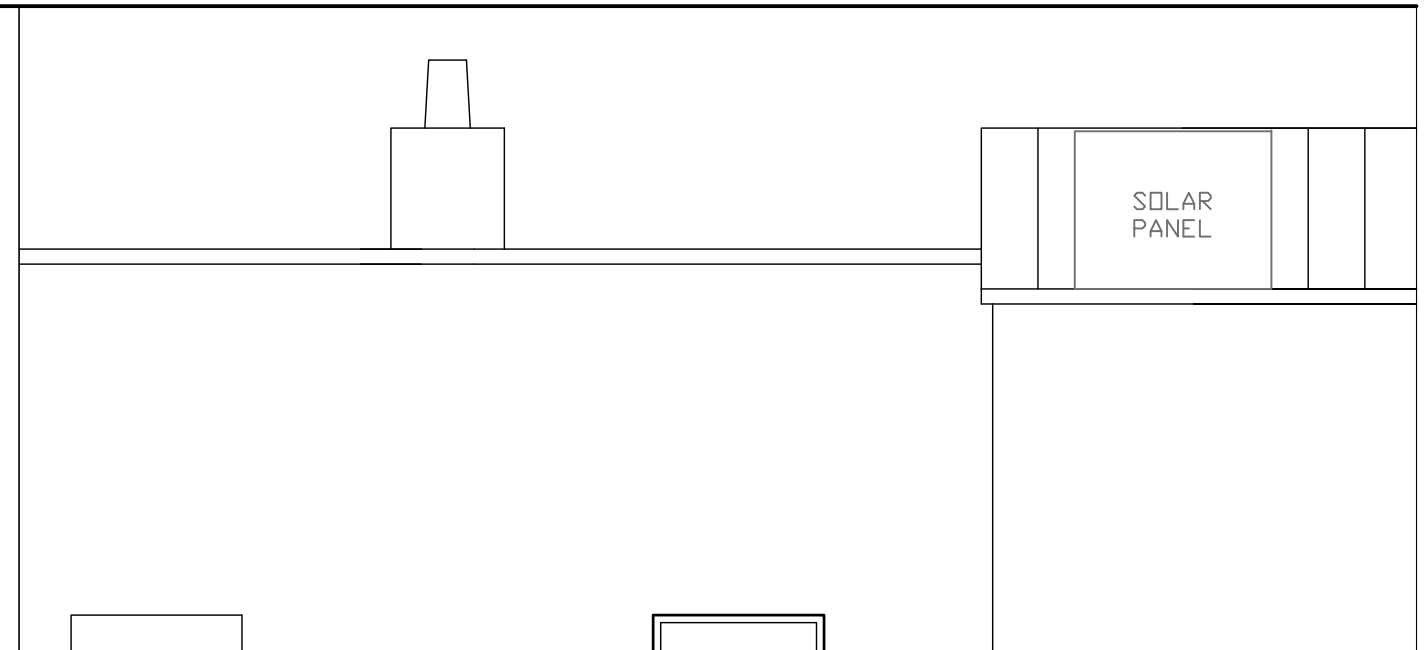
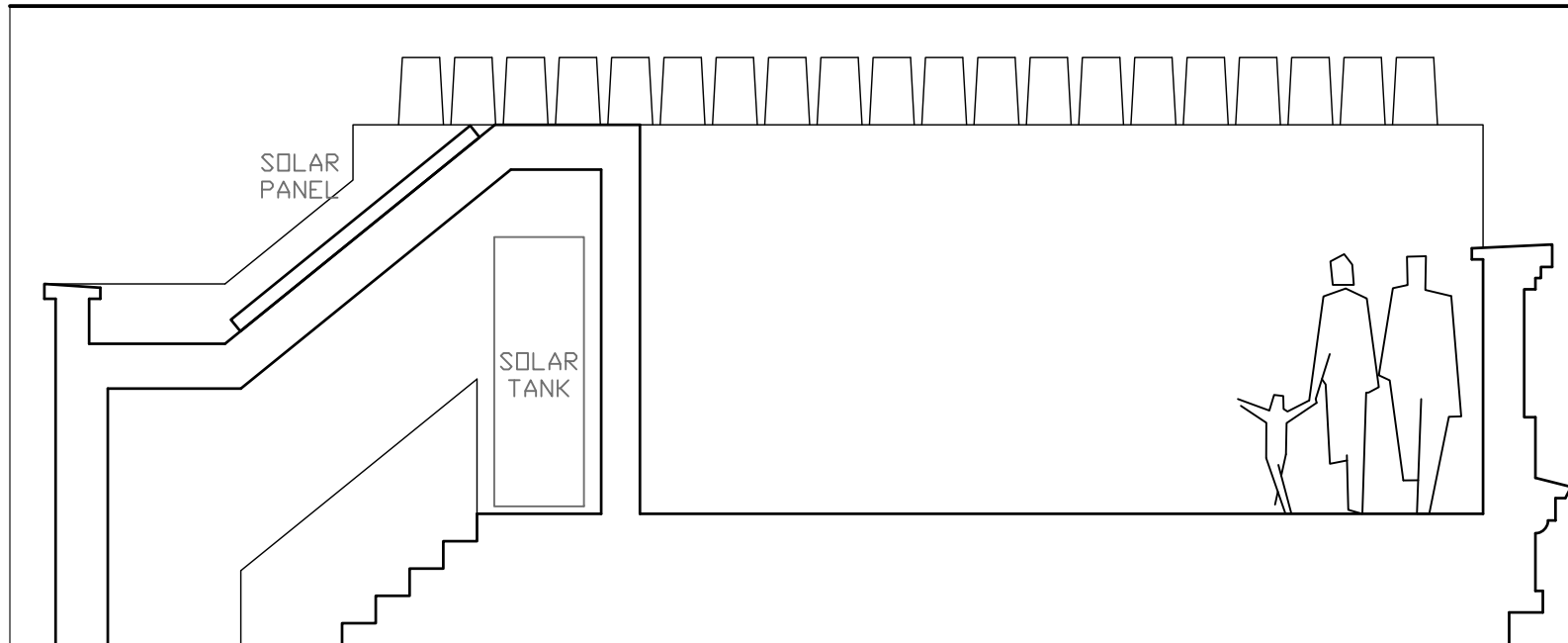
Gregory Munson RIBA . architect



REVISIONS

Detail drawings see Schedule of Works
Roof insulation

30 Museum Street, WC1A 1LH for P Athill Esq.			
SCALE	DATE	DWG.No	REV
1:20@A3	25.09.15	R1	-



About Solar Water Heating

A Viridian Solar water heating system saves you money and helps the environment by converting the light hitting a solar panel into heat in your hot water cylinder. It can't completely replace your heating system, but can significantly reduce the energy it uses each year.

The solar panel absorbs light and traps the heat generated behind its cover glass. A liquid is pumped through the solar panel which carries the collected heat to your hot water cylinder. An electronic controller decides when to turn on the pump based on the temperature difference between the solar panel and the cylinder.

The hot water cylinder is arranged so that the back up heater (boiler or immersion) can only heat the top section, whereas the solar panel can heat the whole cylinder. On days where there is not enough light, the solar panel will warm the cylinder, and the back up heater will raise the temperature to the setting on the cylinder thermostat. On days with more light, the solar panel can heat up the whole cylinder.

Depending on how much hot water you use, the solar panel should provide 50-80% of your hot water averaged over the year.

Getting the Most out of Your Solar Heating System

1. Leave it on
The electricity used by the system each year is a tiny fraction of the hot water that it provides.
2. Use the Timer to Control Back-up Heating (Boiler or Immersion)
You will achieve the biggest savings if you use the timer programmer to control your back up heating to finish heating your water just before the main daily use starts. This gives the solar panel more cold water in the cylinder to heat the following day. Avoid having your back up heating running after you have started your main hot water use.

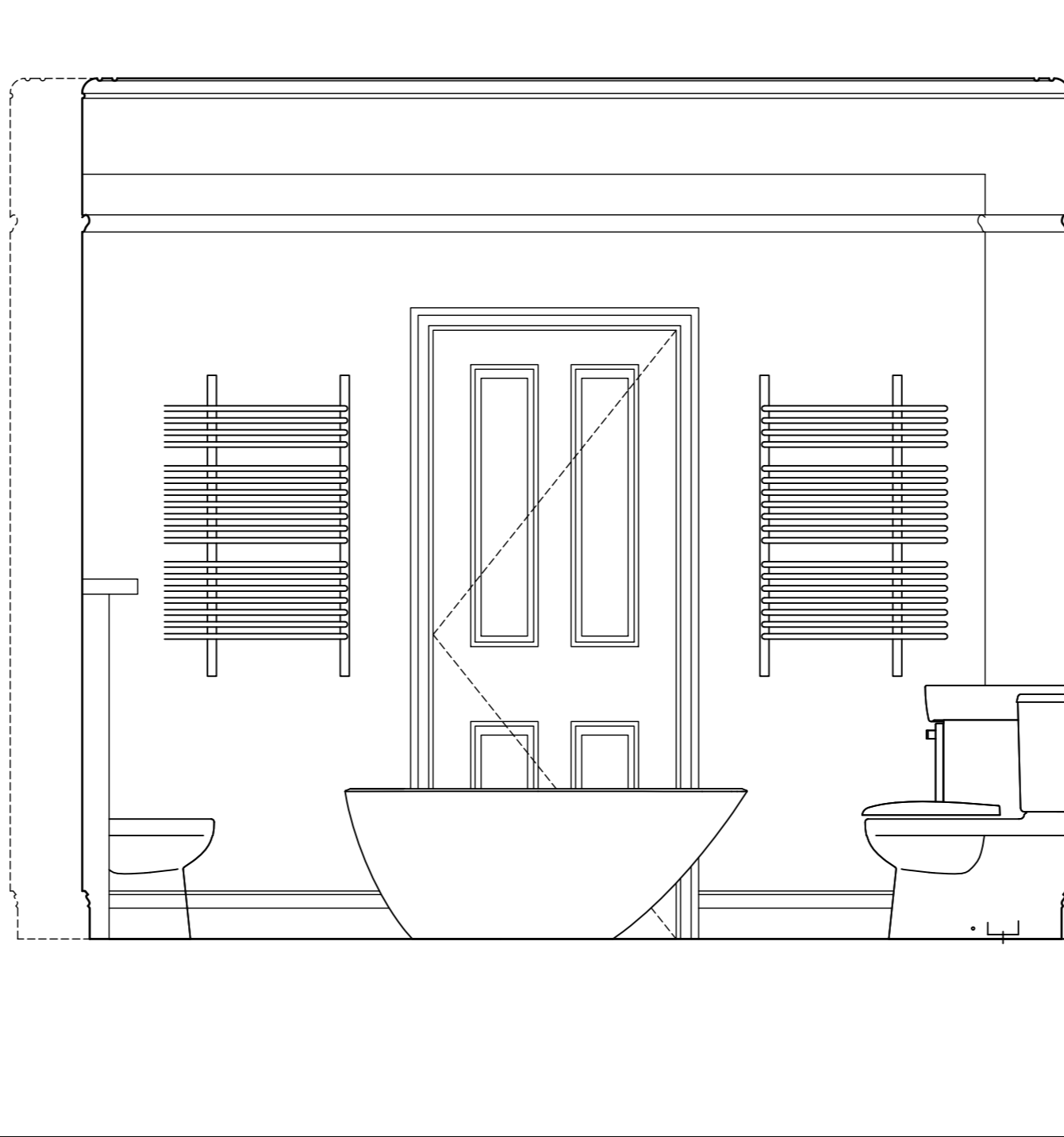
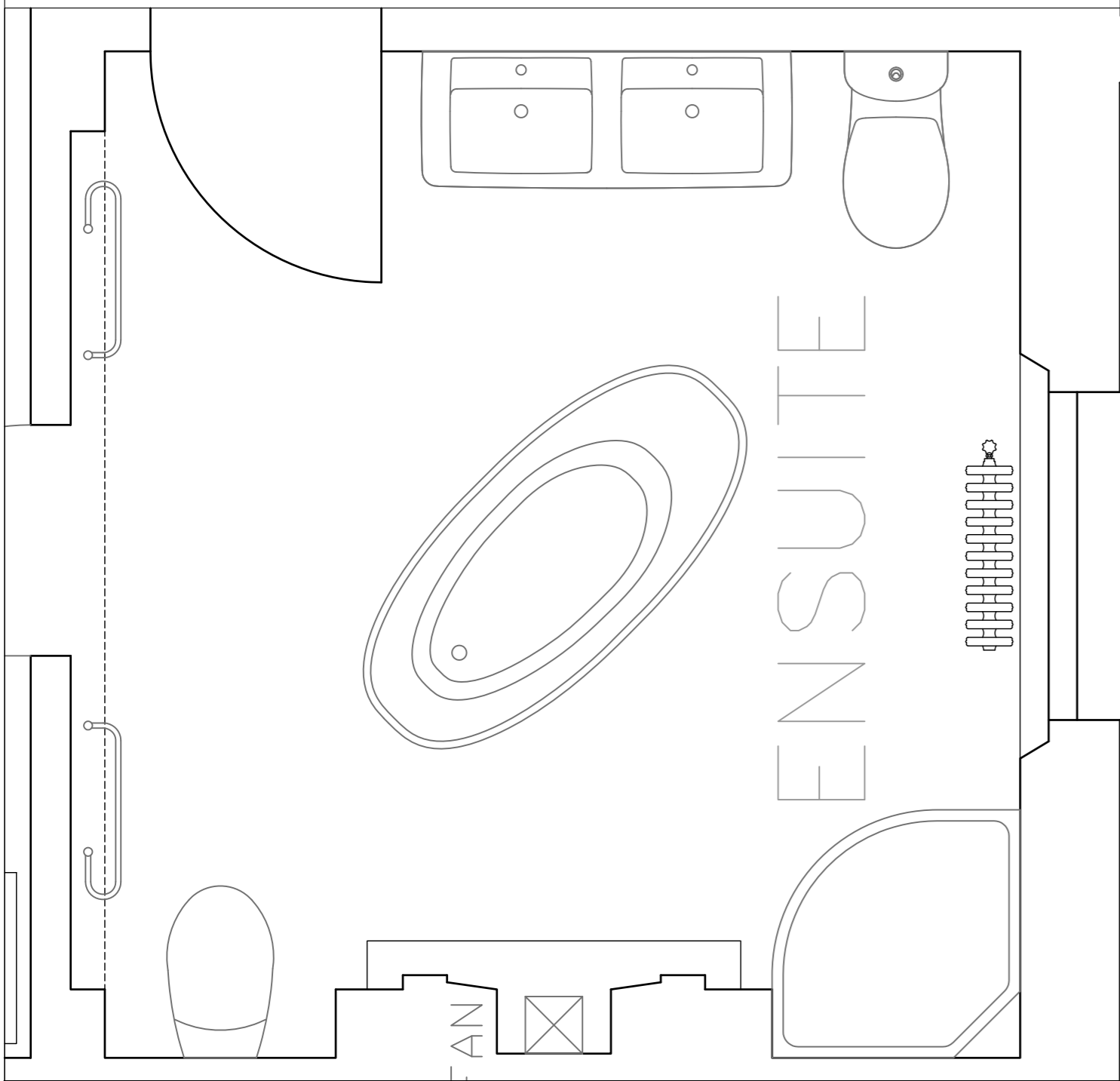
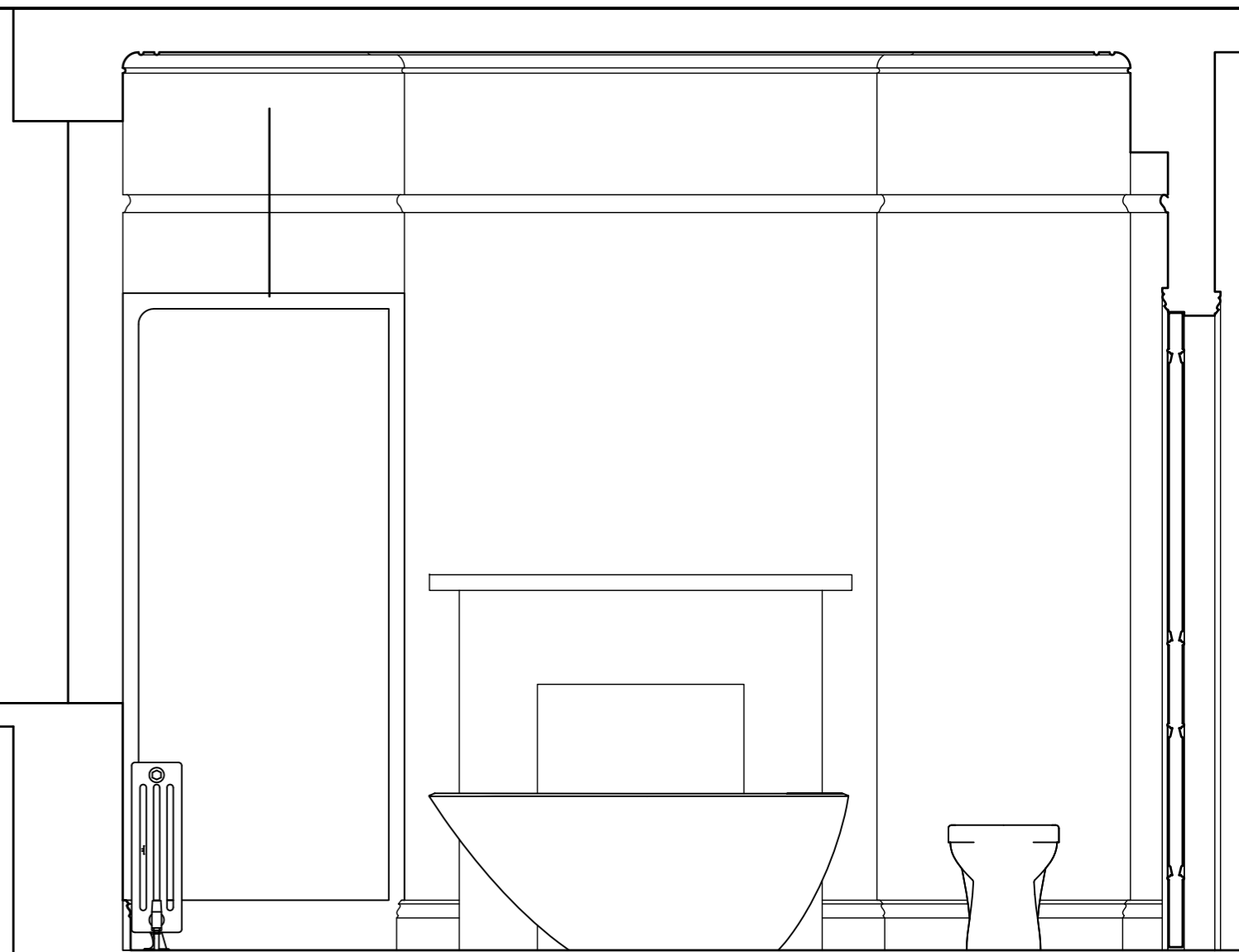
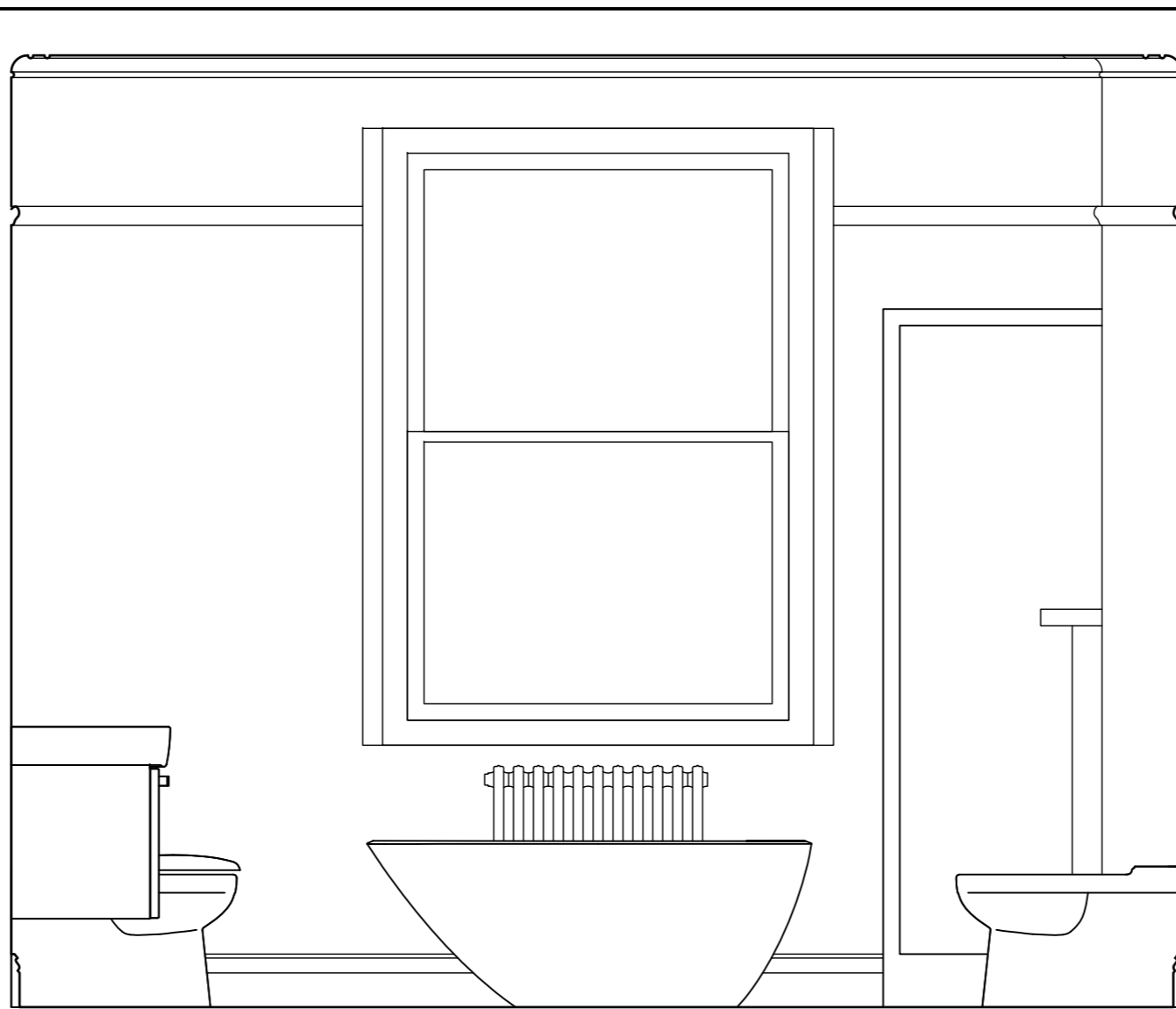
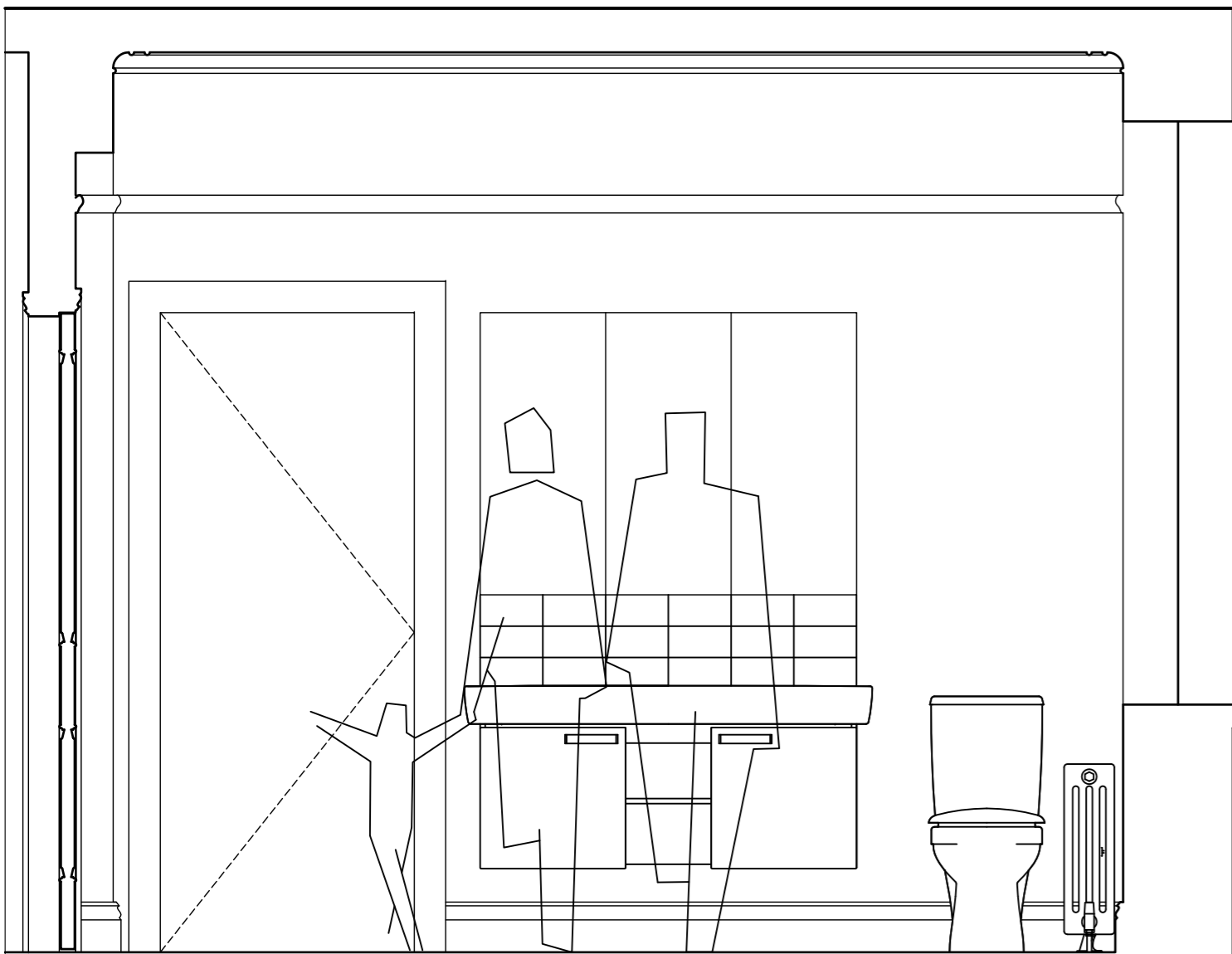
This illustrates how the solar panel warms the water in the evening and morning. Back up heating should be turned on in the evening, and then during the main use starts. Only air back up heating should be used the following morning if absolutely necessary.

viridian solar

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Scale 1:50 0 metres 0.5 1 1.5 2 2.5	REVISIONS A 16.10.15	Detail drawings see Schedule of Works Solar installation	30 Museum Street, WC1A 1LH for P Athill Esq.	
			SCALE 1:50@A3	DATE 25.09.15
			DWG.No R2	REV A

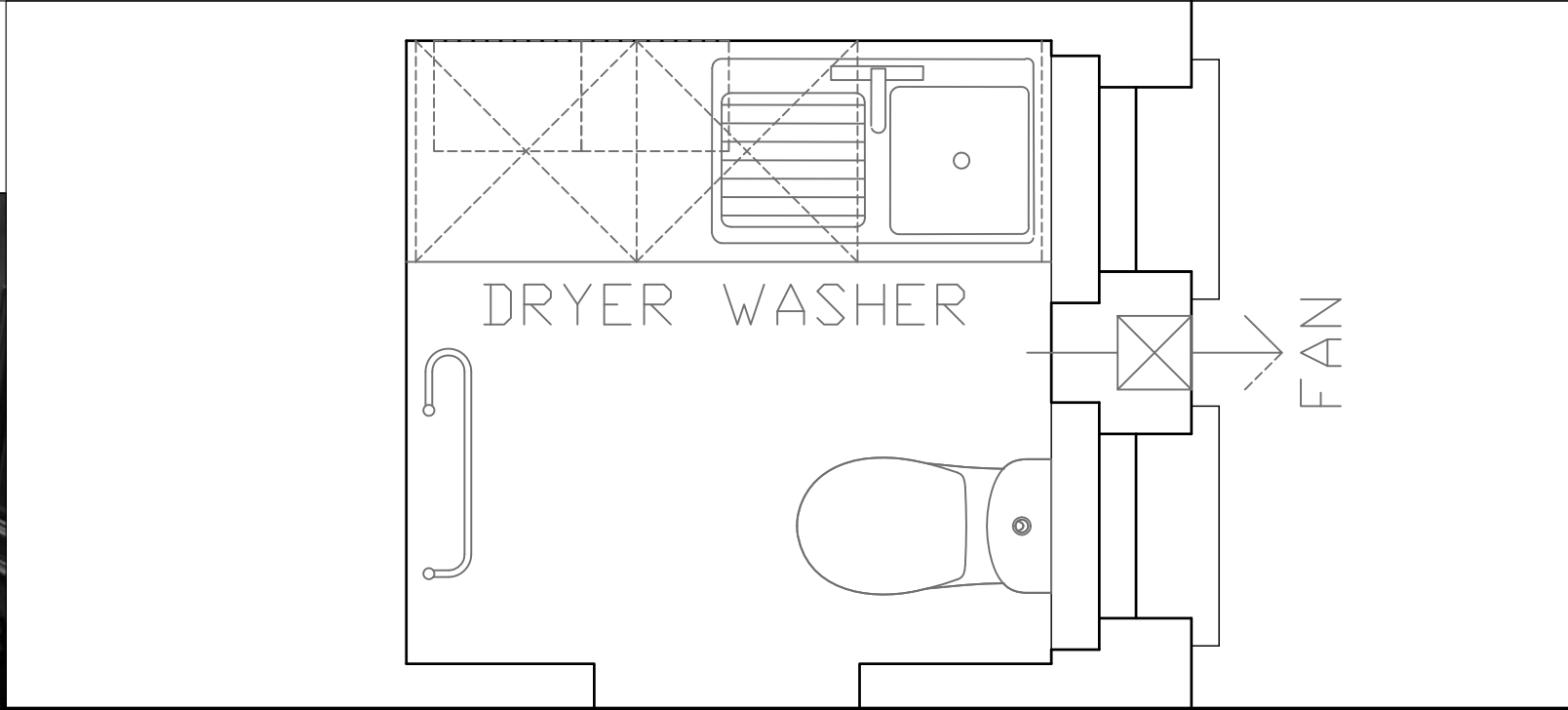
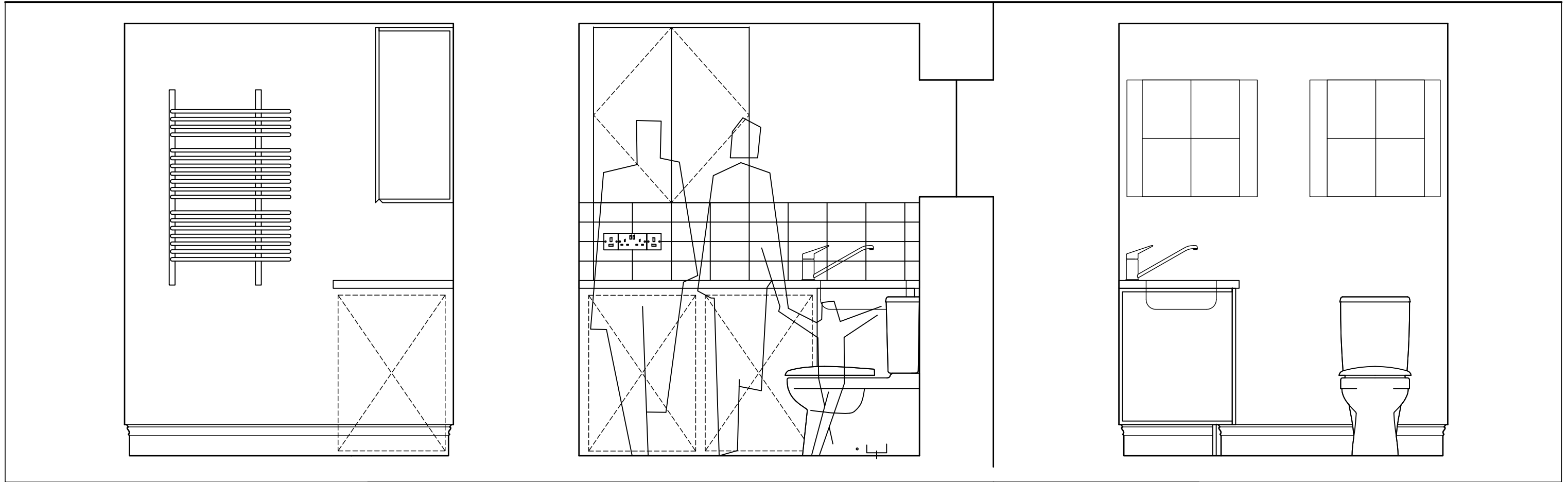
34 RAGLAN STREET, LONDON, NW5 3DA. TEL 07887 545004 EMAIL gregorymunson@gmail.com



Gregory Munson RIBA . architect

Scale 1:20
0 metres 0.2 0.4 0.6 0.8 1

REVISIONS A 16.10.15	Detail drawings see Schedule of Works Ensuite bathroom		30 Museum Street, WC1A 1LH for P Athill Esq.	
	SCALE 1:20@A2	DATE 25.09.15	DWG.No S1	REV A



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Scale 1:20 0 metres 0.2 0.4 0.6 0.8 1	REVISIONS A 16.10.15	Detail drawings see Schedule of Works Utility	30 Museum Street, WC1A 1LH for P Athill Esq.		
			SCALE 1:20@A3	DATE 25.09.15	DWG.No S4



REDUNDANT SERVICES REMOVED



S5 STAIRCASE PARTITION REMOVED TO REVEAL ORIGINAL HANDRAIL AND BALUSTRADE



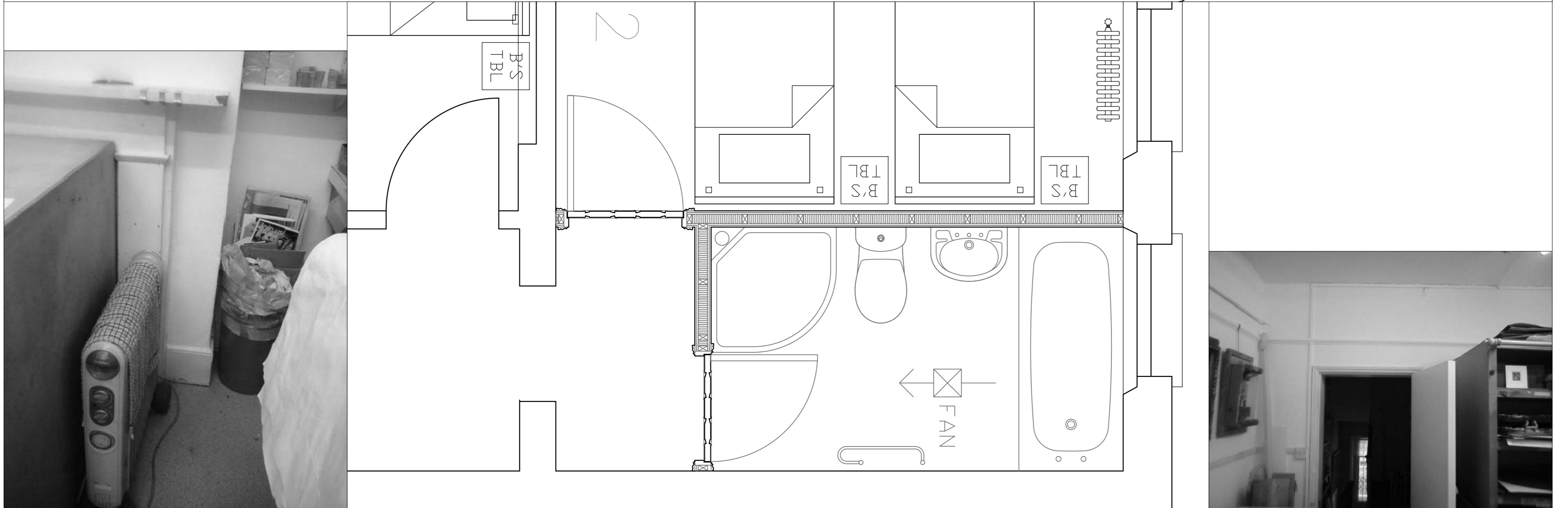
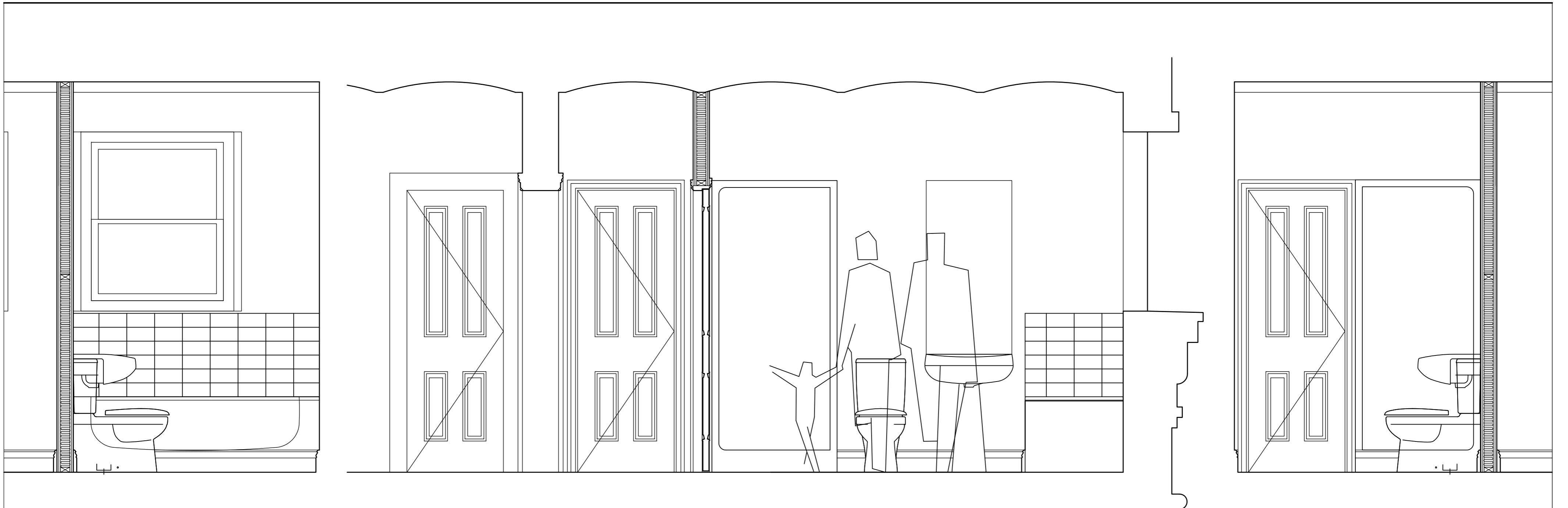
Gregory Munson RIBA . architect

REVISIONS
A 16.10.15

Detail drawings
see Schedule of Works
Staircase restoration

30 Museum Street, WC1A 1LH
for P Athill Esq.

SCALE	DATE	DWG.No	REV
1:20@A3	25.09.15	S5	A



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Scale 1:20
0 metres 0.2 0.4 0.6 0.8 1

REVISIONS
A 16.10.15

Detail drawings
see Schedule of Works
Family bathroom

30 Museum Street, WC1A 1LH
for P Athill Esq.

SCALE	DATE	DWG.No	REV
1:20@A2	25.09.15	T1,T2,T3	A