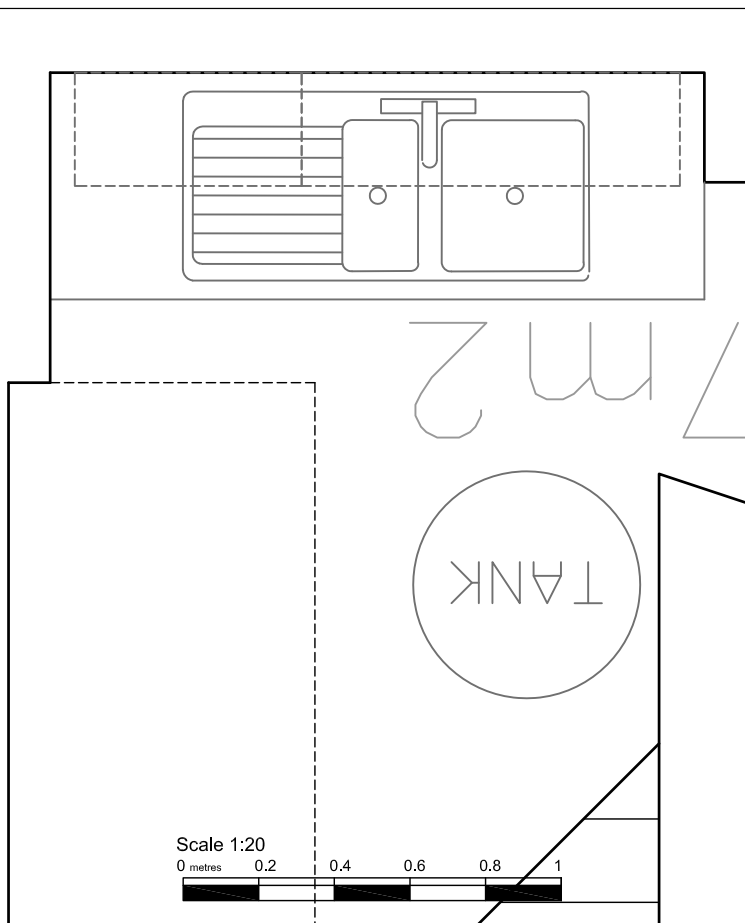
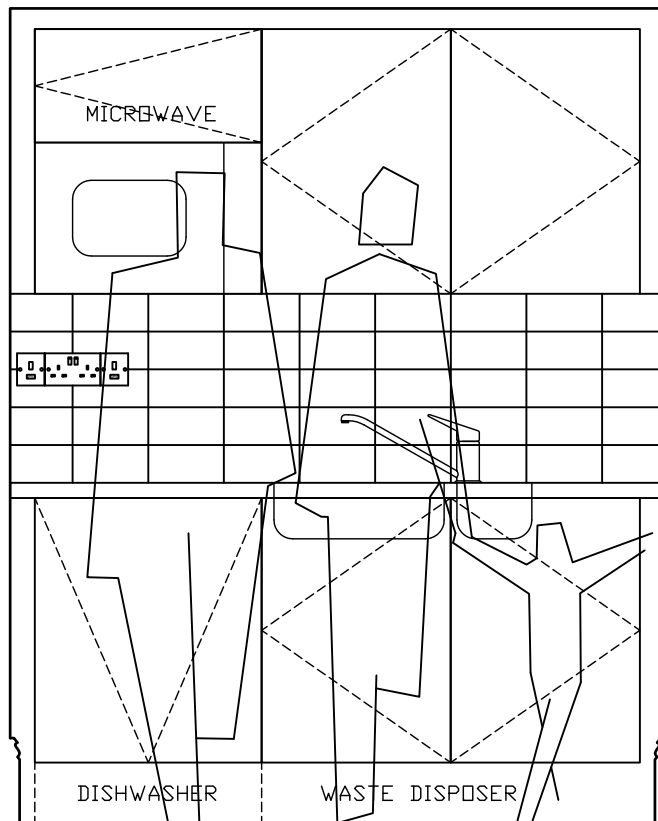
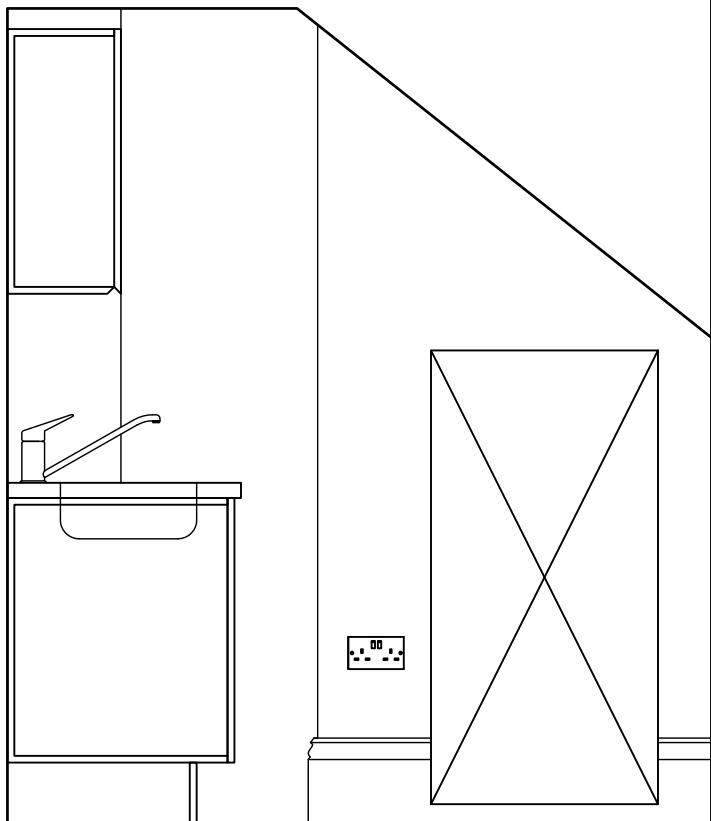




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REVISIONS A 16.10.15	Detail drawings see Schedule of Works Remove modern boiler room	30 Museum Street, WC1A 1LH for P Athill Esq.		
		SCALE 1:20@A3	DATE 25.09.15	DWG.No B1
				REV A



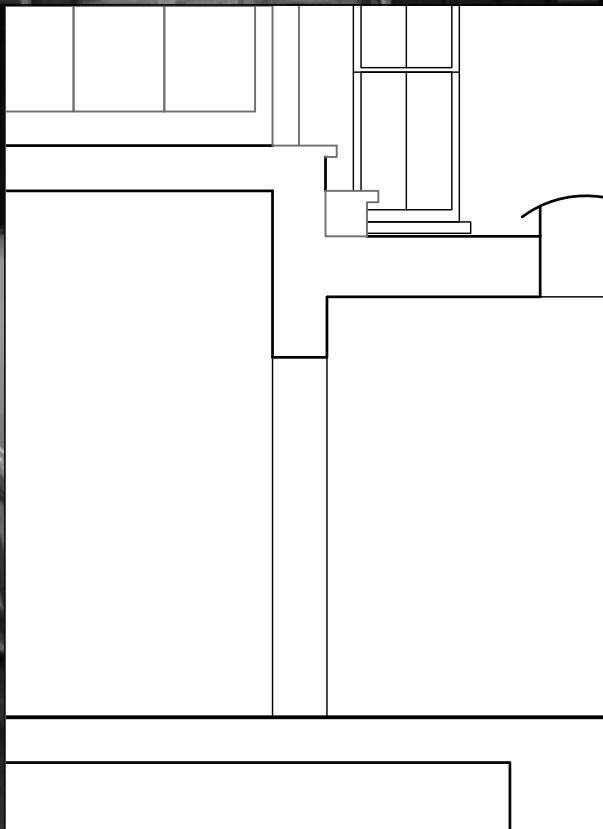
Gregory Munson RIBA . architect

REVISIONS
A 16.10.15

Detail drawings
see Schedule of Works
Basement Teapoint

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

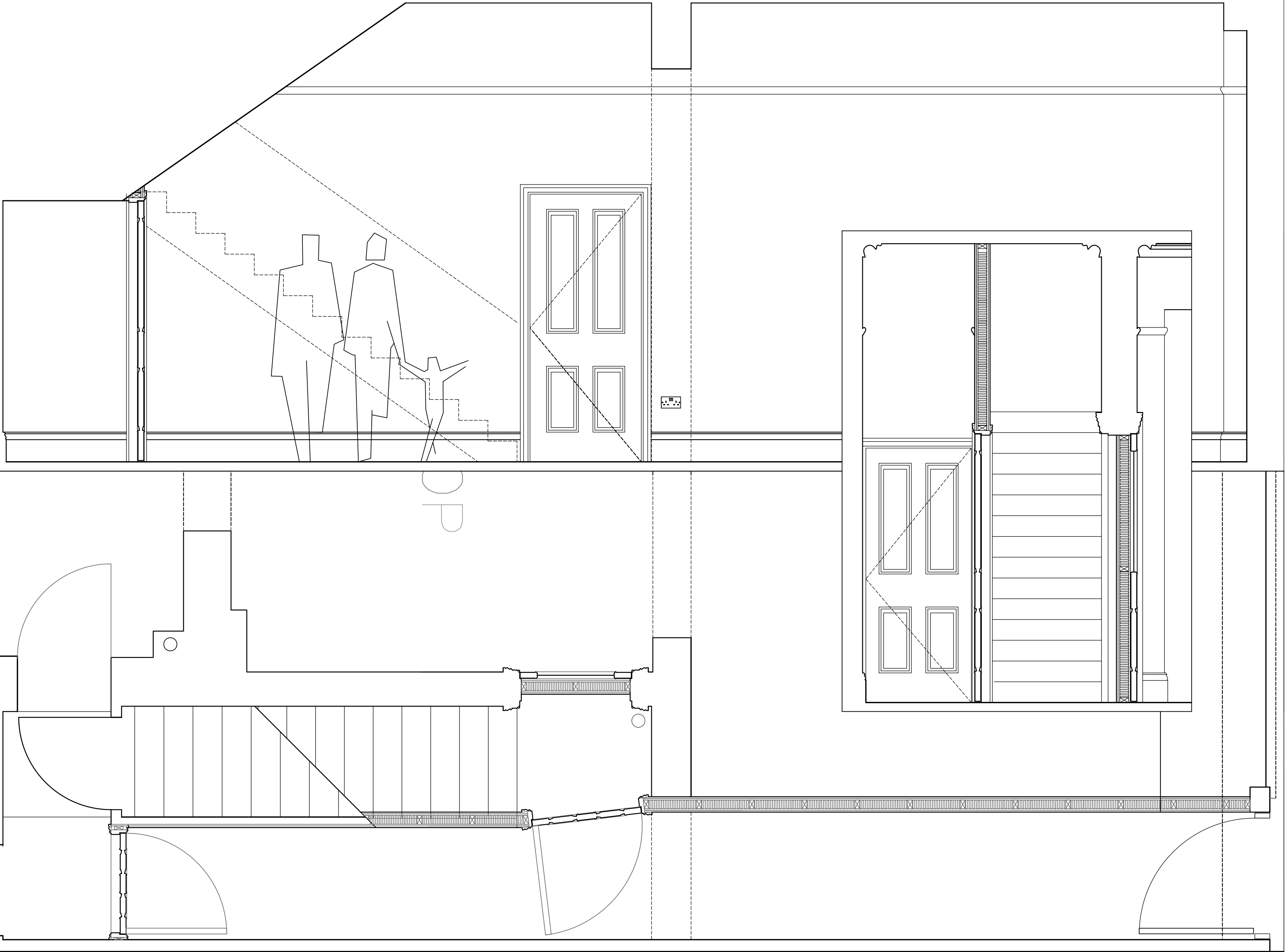
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1:20@A3	25.09.15	B2	A



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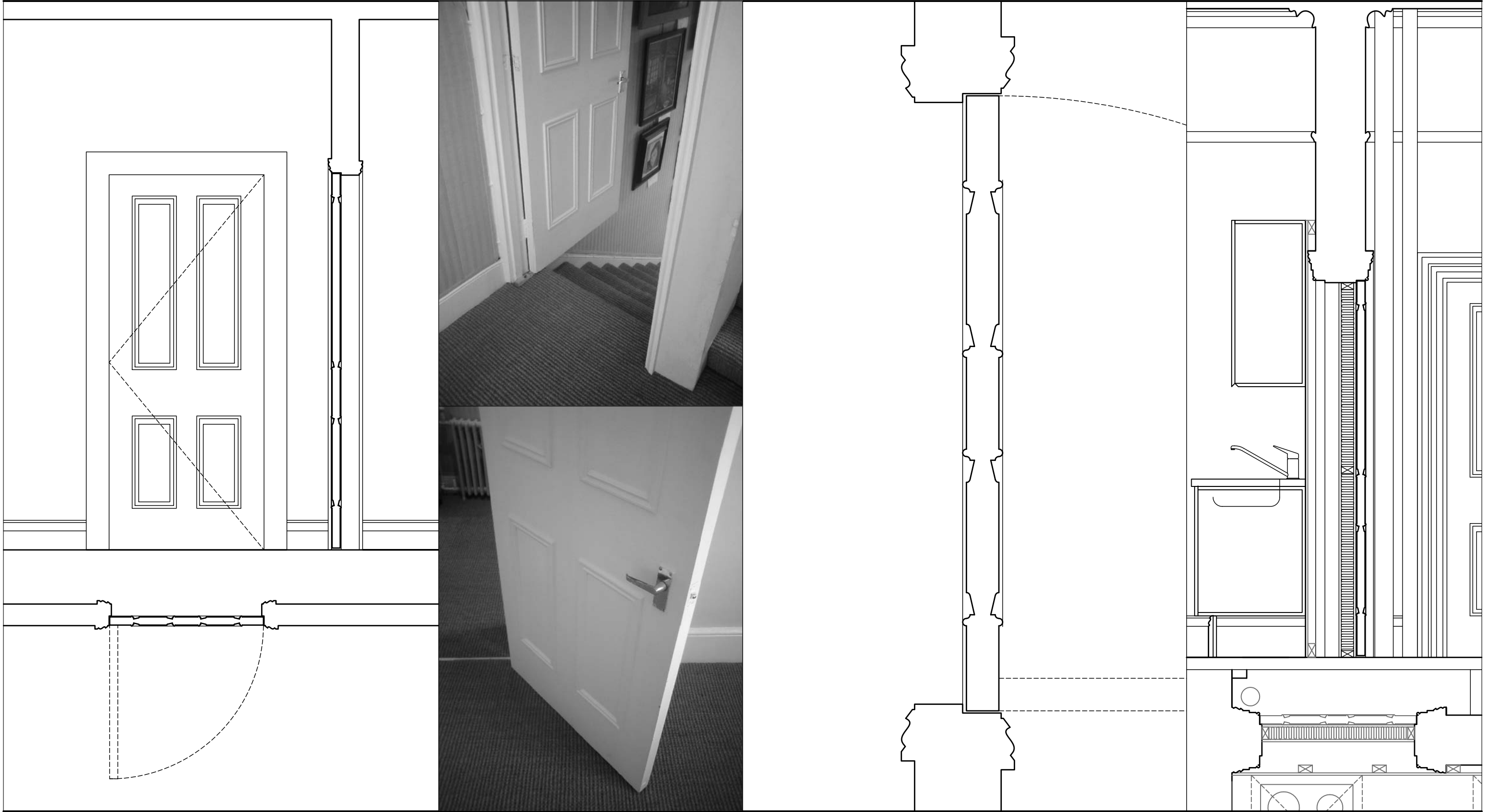
REVISIONS A 16.10.15	Detail drawings see Schedule of Works Remove modern doorway	30 Museum Street, WC1A 1LH for P Athill Esq.		
		SCALE 1:20@A3	DATE 25.09.15	DWG.No G1
			REV A	

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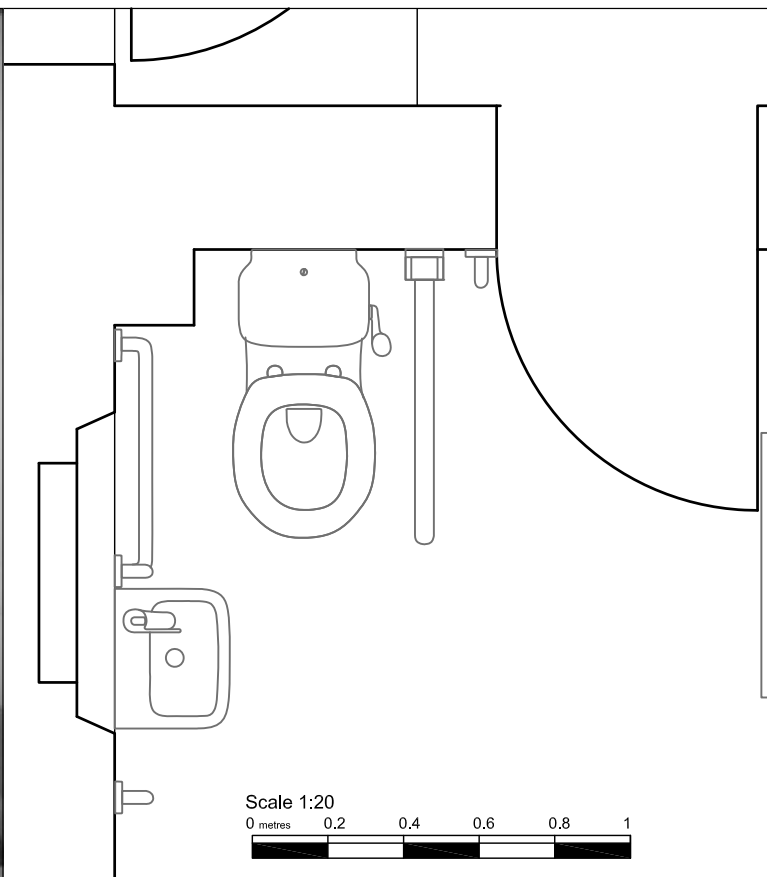
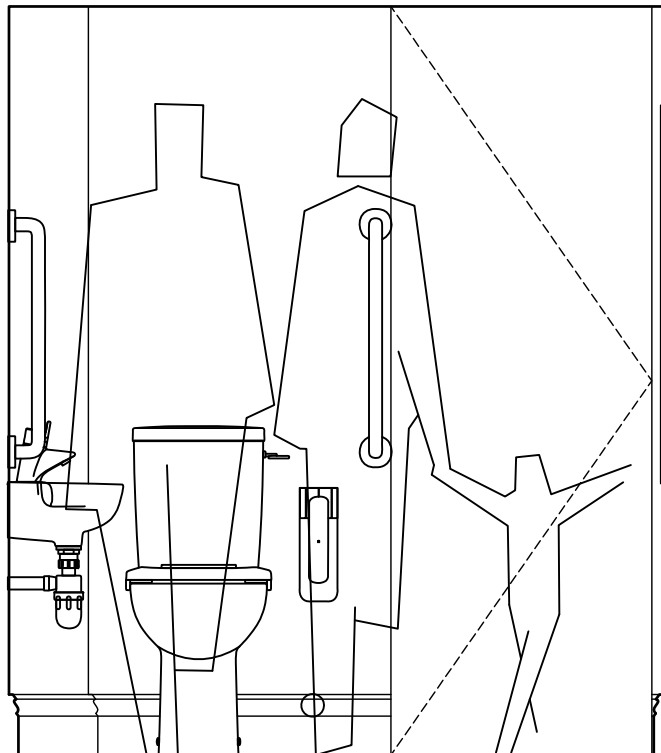
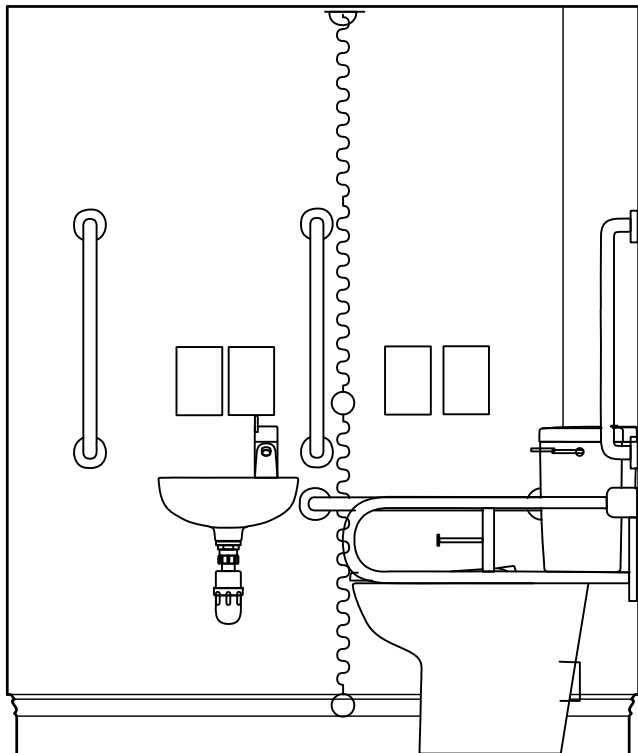
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Scale 1:20 0 metres 0.2 0.4 0.6 0.8 1	REVISIONS A 16.10.15	Detail drawings see Schedule of Works Entrance works	30 Museum Street, WC1A 1LH for P Athill Esq.			
			SCALE 1:20@A2	DATE 25.09.15	DWG.No G2,G3,G4	REV A



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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 Internal doors	30 Museum Street, WC1A 1LH for P Athill Esq.			
			SCALE 1:20@A3	DATE 25.09.15	DWG.No G5,F4,S2,S3	REV A



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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
1:20@A3	25.09.15	G6	A



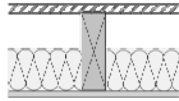
T 0844 800 1991 F 0844 561 8816 E technical.enquiries@bpb.com

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

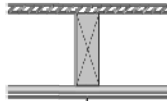


1



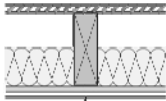
22mm thick (softwood or chipboard) floor boarding over minimum 100mm x 38mm timber joists at 600mm centres. Gyproc R82 SureFix Bars fixed to underside of joists at 480mm centres and at perimeter with ceiling linings as in table fixed into the bars only. 100mm cover AFR 1200 in the cavity.

2



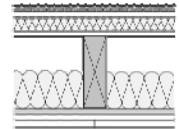
22mm thick (softwood or chipboard) floor boarding over minimum 100mm x 38mm timber joists at 600mm centres. Gyproc R82 Ready-Cut Bars fixed to underside of joists at 480mm centres and at perimeter with ceiling linings as in table fixed into the bars only.

3



22mm thick (softwood or chipboard) floor boarding over minimum 100mm x 38mm timber joists at 600mm centres. Gyproc R82 Ready-Cut Bars fixed to underside of joists at 480mm centres and at perimeter with ceiling linings as in table fixed into the bars only. 100mm cover Spaceliner Ready-Cut in the cavity.

4



Typical platform floor construction (comprising walking surface of 18mm thick wood board flooring, spot-bonded with Gyproc Sealant at 300mm centres to a substrate of Gyproc Mark laid on 18mm thick Sound Densifying Floor Mat, laid on a minimum of 12mm wood-based sheet sub-deck nailed to the joists) over minimum 100mm x 38mm timber joists at 600mm centres. Gyproc R82 Ready-Cut Bars fixed to underside of joists at 480mm centres and at perimeter with ceiling linings as in table fixed into the bars only. 100mm cover Spaceliner Ready-Cut in the cavity.

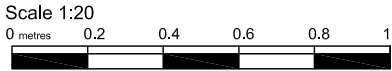
Detail	Nominal floor depth mm	Board type	Ceiling lining thickness mm	Maximum loadbearing ratio	Sound insulation $R_w(R_{w,C})$ Airborne dB	Sound insulation $L_{w, Impact}$ dB	System reference
30 minutes fire resistance BS							
1	240	WallBoard	1 x 12.5	100%	41	76	C208006
60 minutes fire resistance BS							
2	258	FireLine	2 x 12.5	100%	45	72	C016031
3	263	SoundBloc	2 x 15	100%	54	80	C208038
4	315	SoundBloc	2 x 15	100%	54 (53)	54	C016040

(NB) The fire resistance and sound insulation performances are for imperforate partitions, walls and ceilings incorporating boards with all joints taped and filled, or drilled 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 Screws 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

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

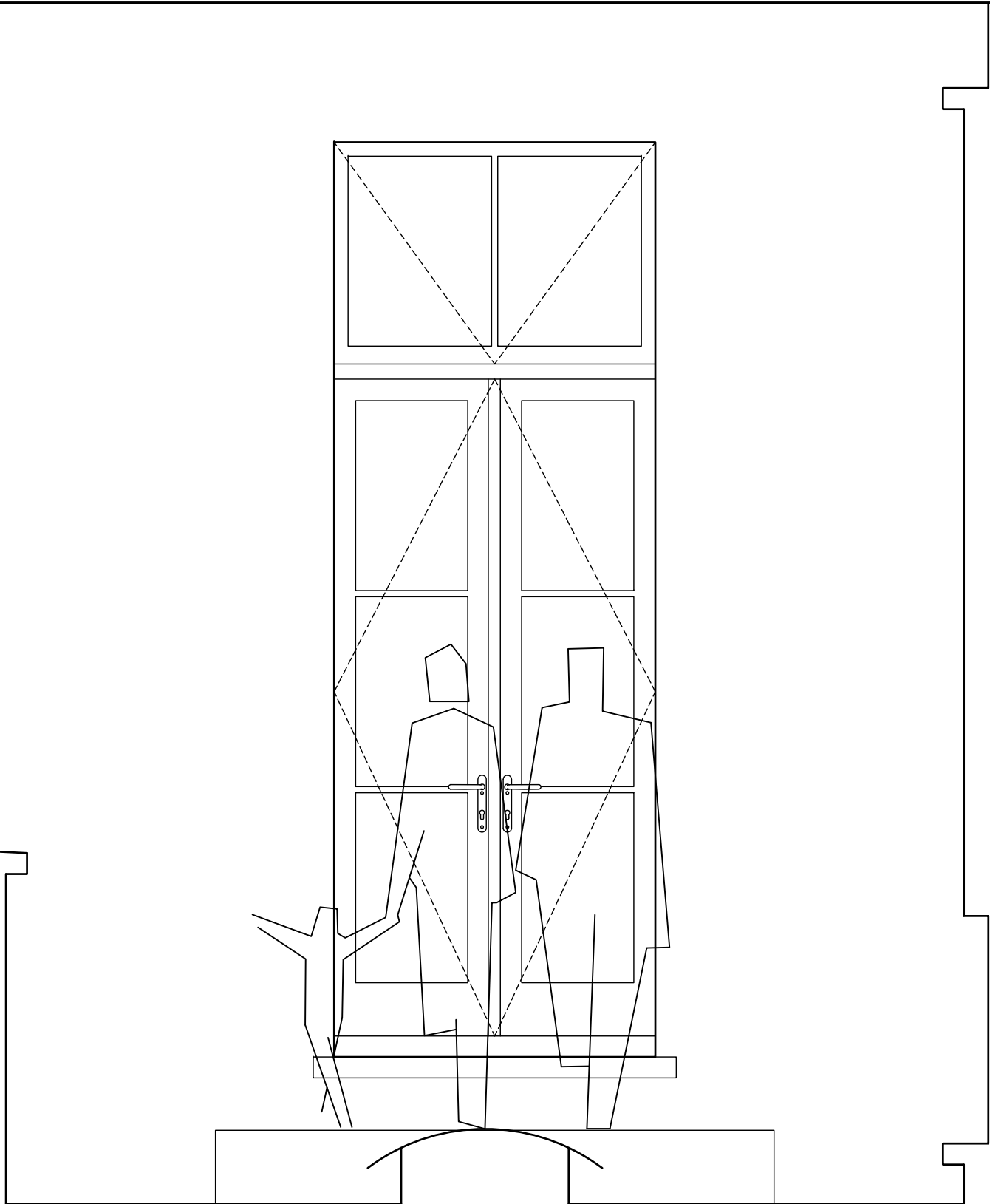


SECOND FLOOR OF CLOSET WING

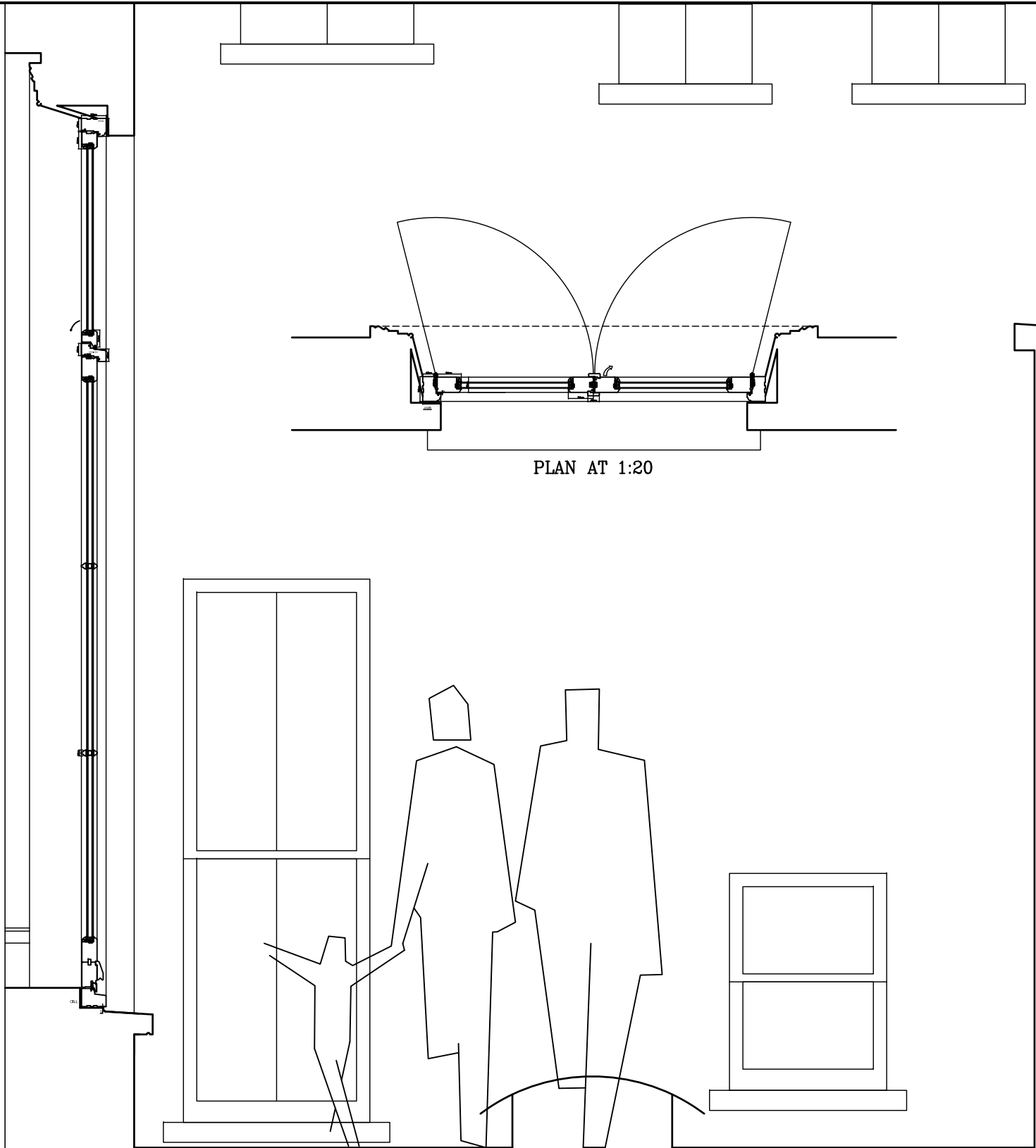
FIRST FLOOR OF CLOSET WING

BLIND BOUNDARY WITH 35 LITTLE RUSSELL ST.

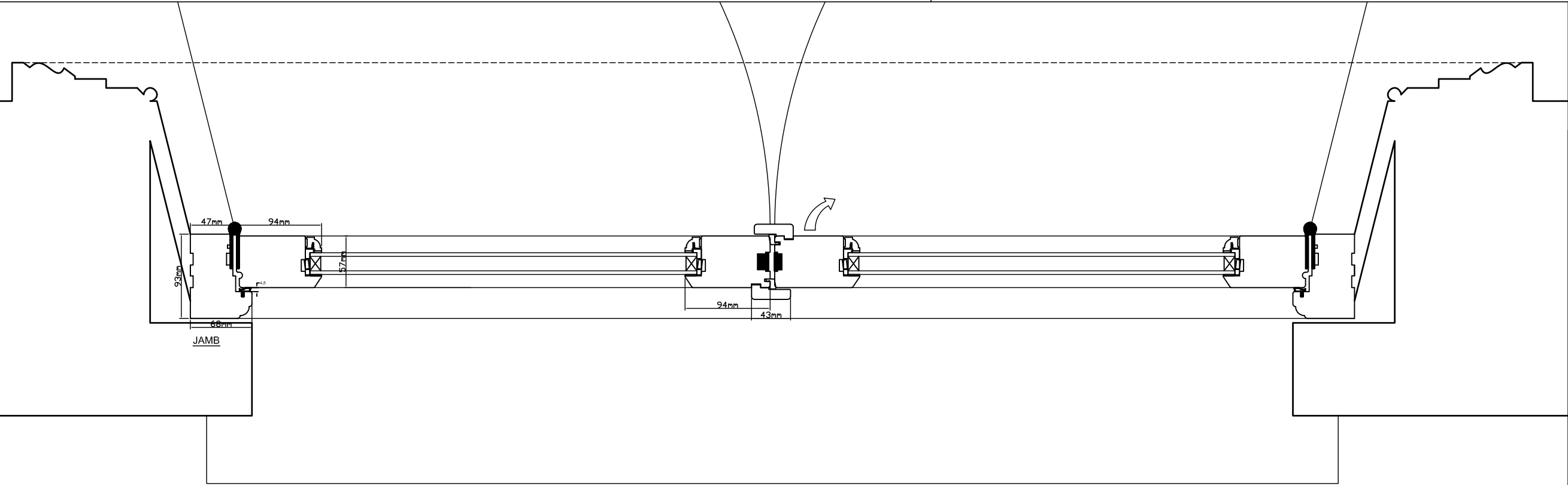
PROPOSED ROOF TERRACE



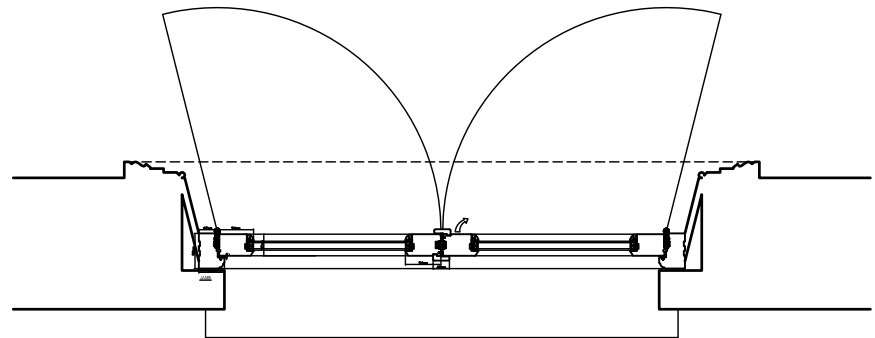
ELEVATION AT 1:20



SECTION AT 1:20



PLAN AT 1:5



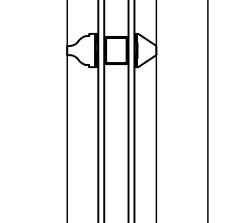
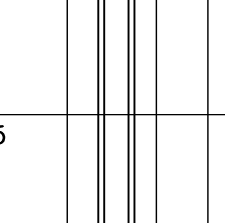
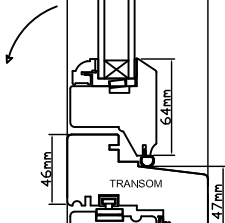
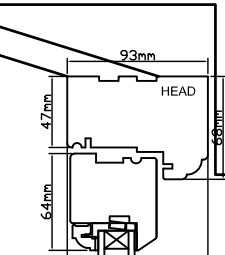
PLAN AT 1:20

HEAD AT 1:5

TRANSOM AT 1:5

MULLION AT 1:5

CILL AT 1:5



BOUNDARY WITH NO.31

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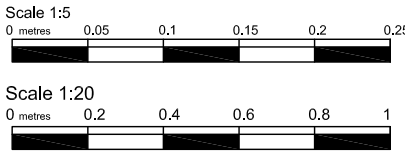
REVISIONS

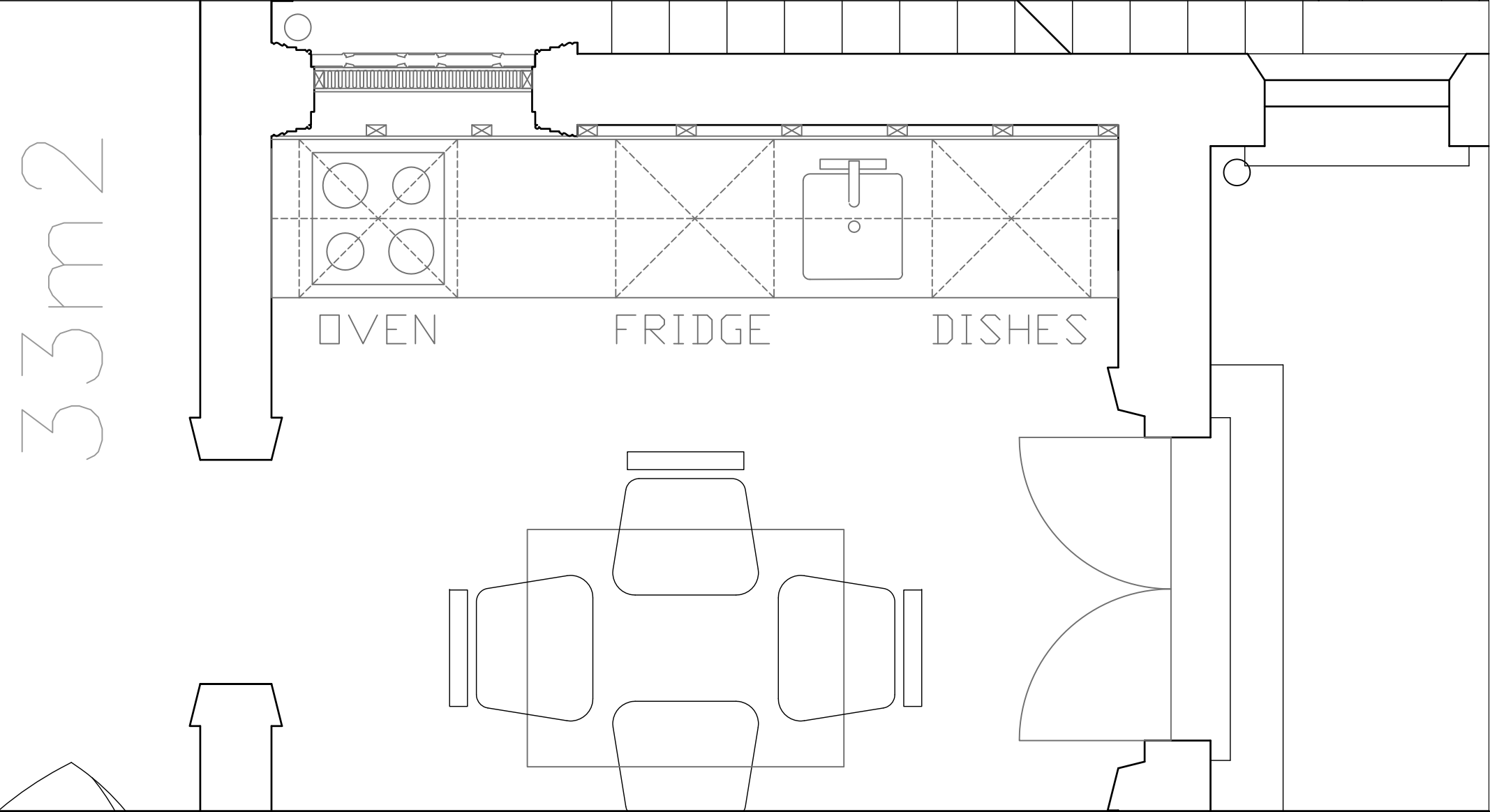
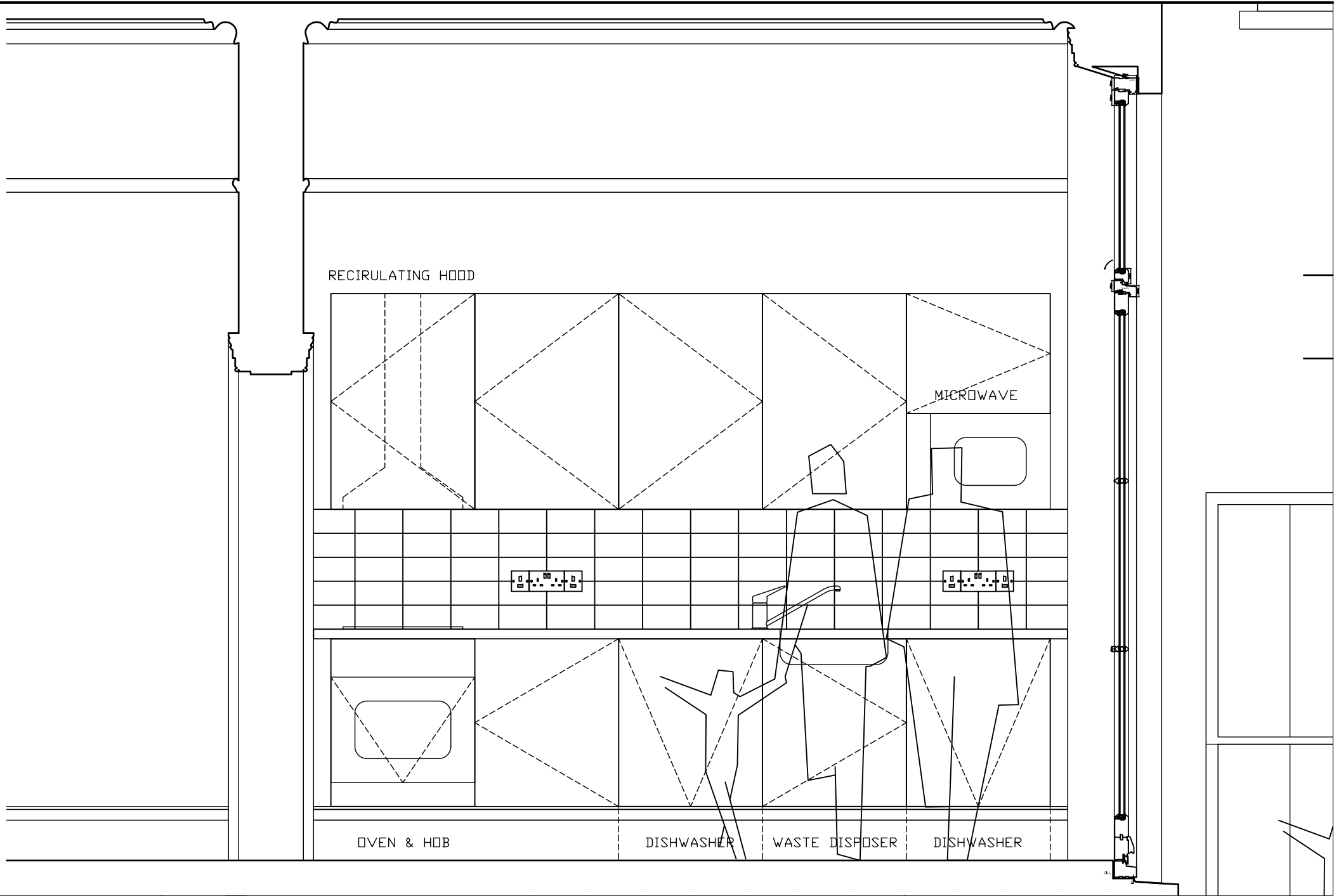
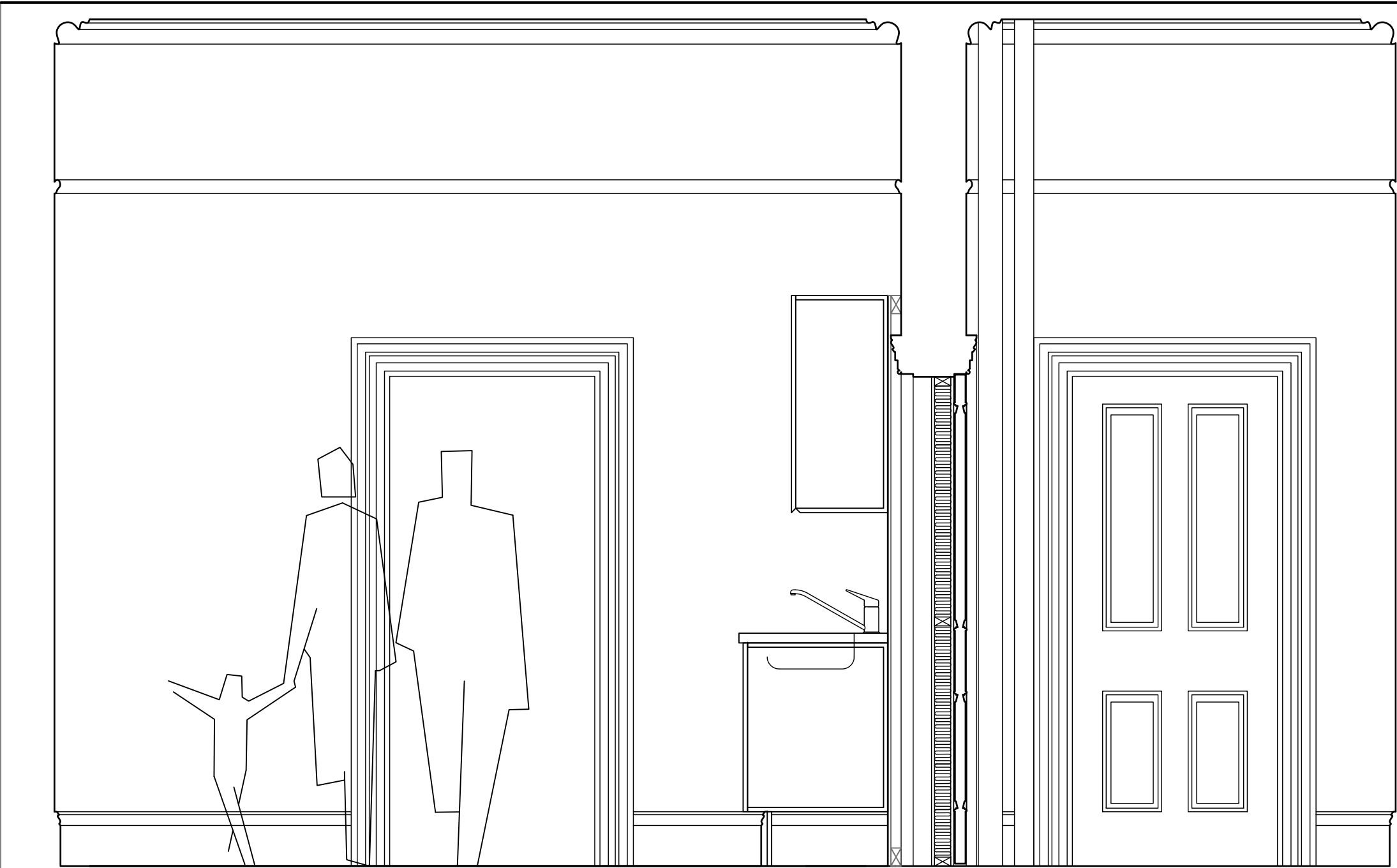
Detail drawings
see Schedule of Works
French doors

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

SCALE	DATE	DWG.No	REV
@A2	25.09.15	F2	-

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



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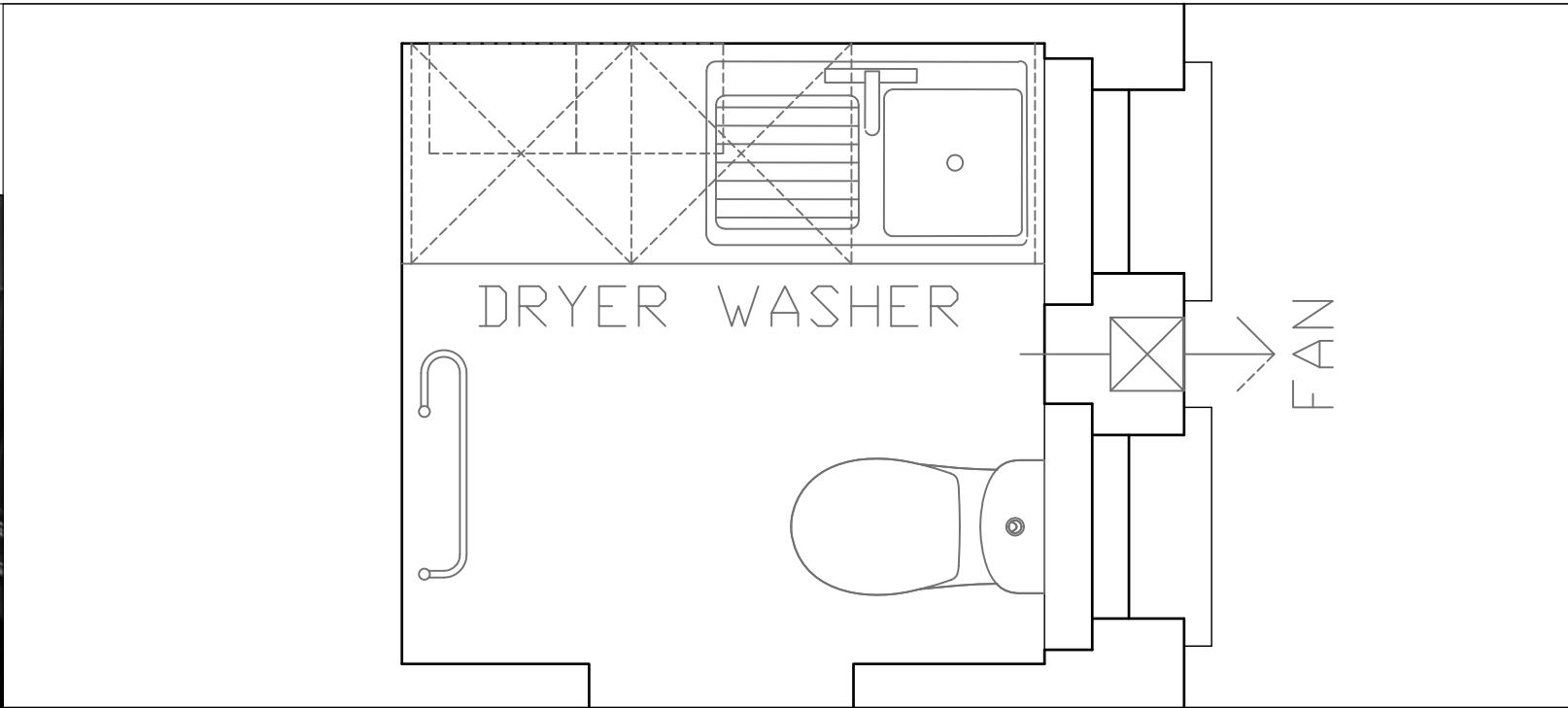
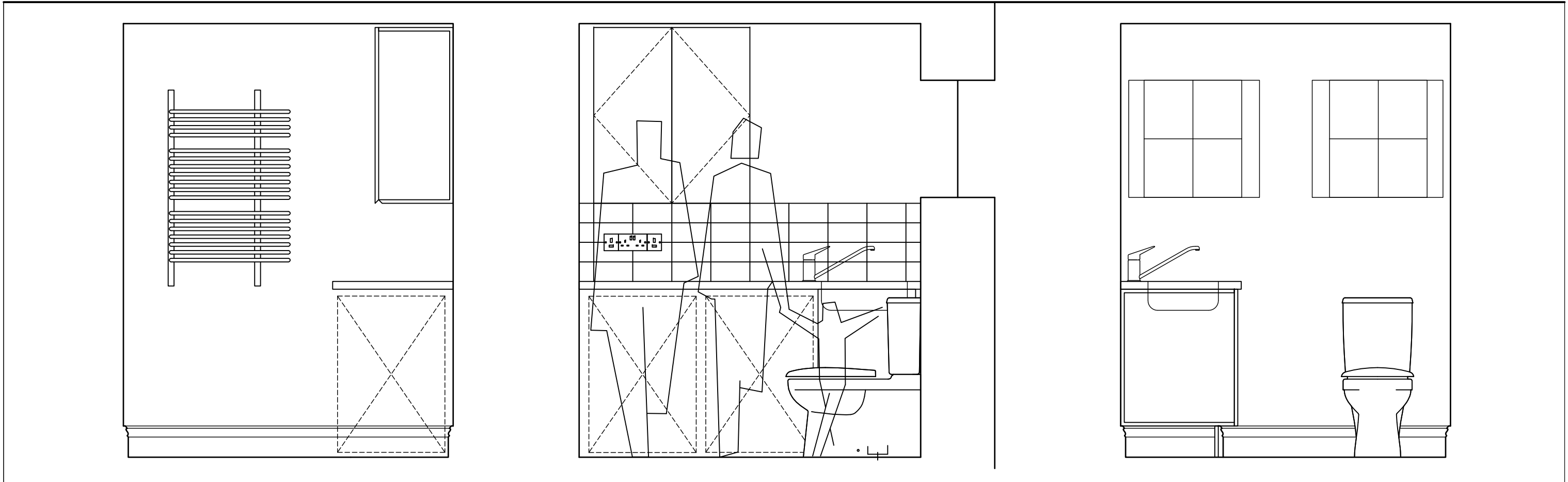
REVISIONS A 16.10.15	Detail drawings see Schedule of Works Bin & cycle store	30 Museum Street, WC1A 1LH for P Athill Esq.		
		SCALE 1:20@A3	DATE 25.09.15	DWG.No F5
				REV A



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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 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 metres0.20.40.60.81	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	REV A



REDUNDANT SERVICES REMOVED

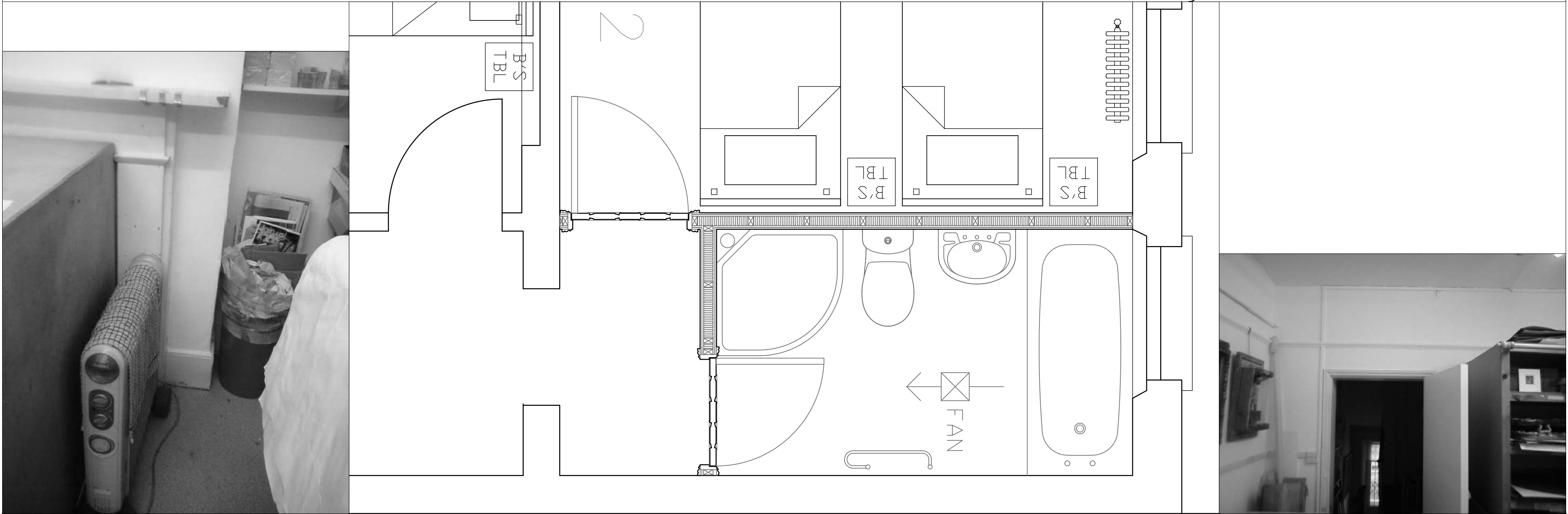
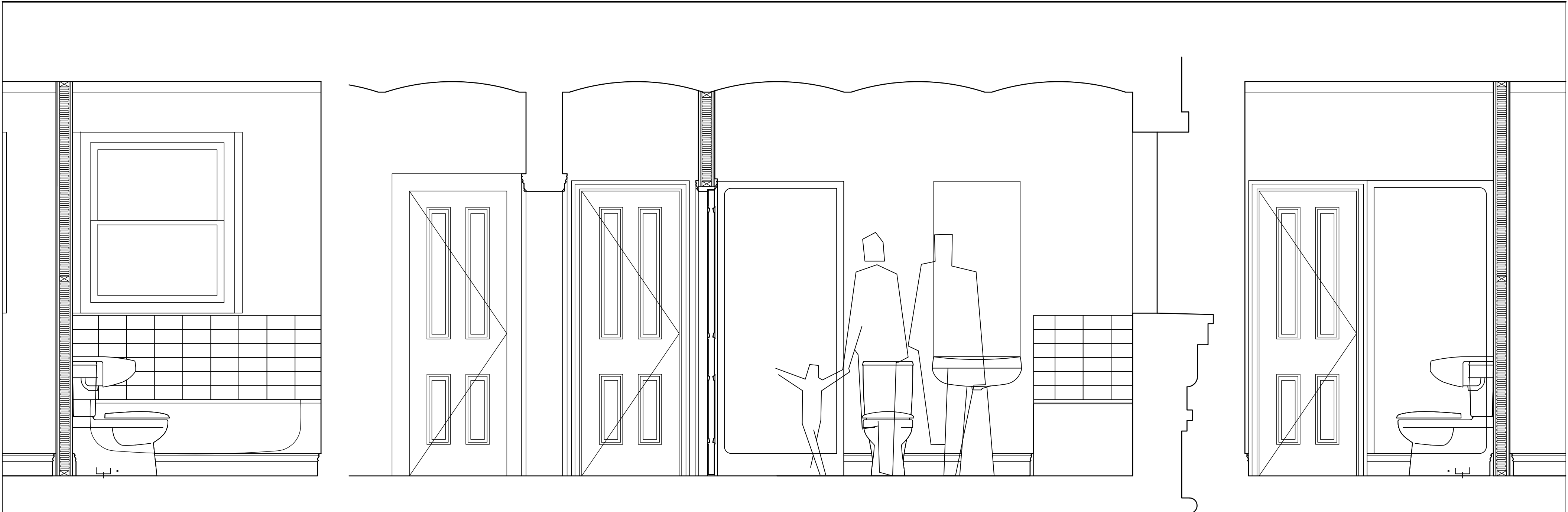


S5 STAIRCASE PARTITION REMOVED TO REVEAL
ORIGINAL HANDRAIL AND BALUSTRADE



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REVISIONS A 16.10.15	Detail drawings see Schedule of Works Staircase restoration	30 Museum Street, WC1A 1LH for P Athill Esq.		
		SCALE 1:20@A3	DATE 25.09.15	DWG.No S5
				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 Family bathroom	30 Museum Street, WC1A 1LH for P Athill Esq.			
			SCALE 1:20@A2	DATE 25.09.15	DWG.No T1,T2,T3	REV A



Insulating lightweight inverted roofs with STYROFOAM Solutions



Design considerations

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 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.

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 RDOFMATE LG-A thickness (mm) to meet U-values W/m²K

Roof build-up
 ROCKWOOL LG-A
 High performance felt 9mm
 Sand cement screed 80mm
 Concrete deck 120mm

Roofwater cooling capacity calculated to BS EN ISO 8040 Annex D4, $\Delta T = 10\text{m/s}$

ROOMATE 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.

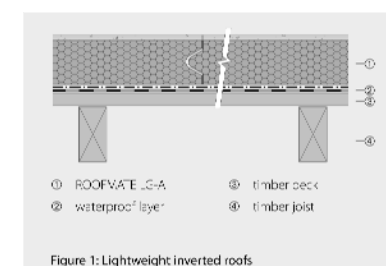


Figure 1: Lightweight inverted roof

Design considerations

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

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 ROOFWATE LG-A boards on a lightweight inverted roof it is important to consider:

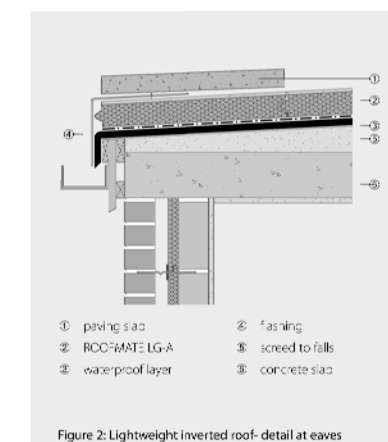


Figure 2: Lightweight inverted roof- detail at eaves

- ▶▶▶ **predicted uplift forces:** predictions of wind uplift should be based upon the calculator methods given in BS 6399: 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:** at roof perimeters 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 gutter. 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 RCDMATE LG-A project assessment form is available at www.styrofoam.com/csl or by emailing fidtech@dow.com. The specifier should send a completed copy of the form to Dow Building Solutions for each project designed with RCDMATE 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 fidtech@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 1:20@A3	DATE 25.09.15	DWG.No R1	REV -

