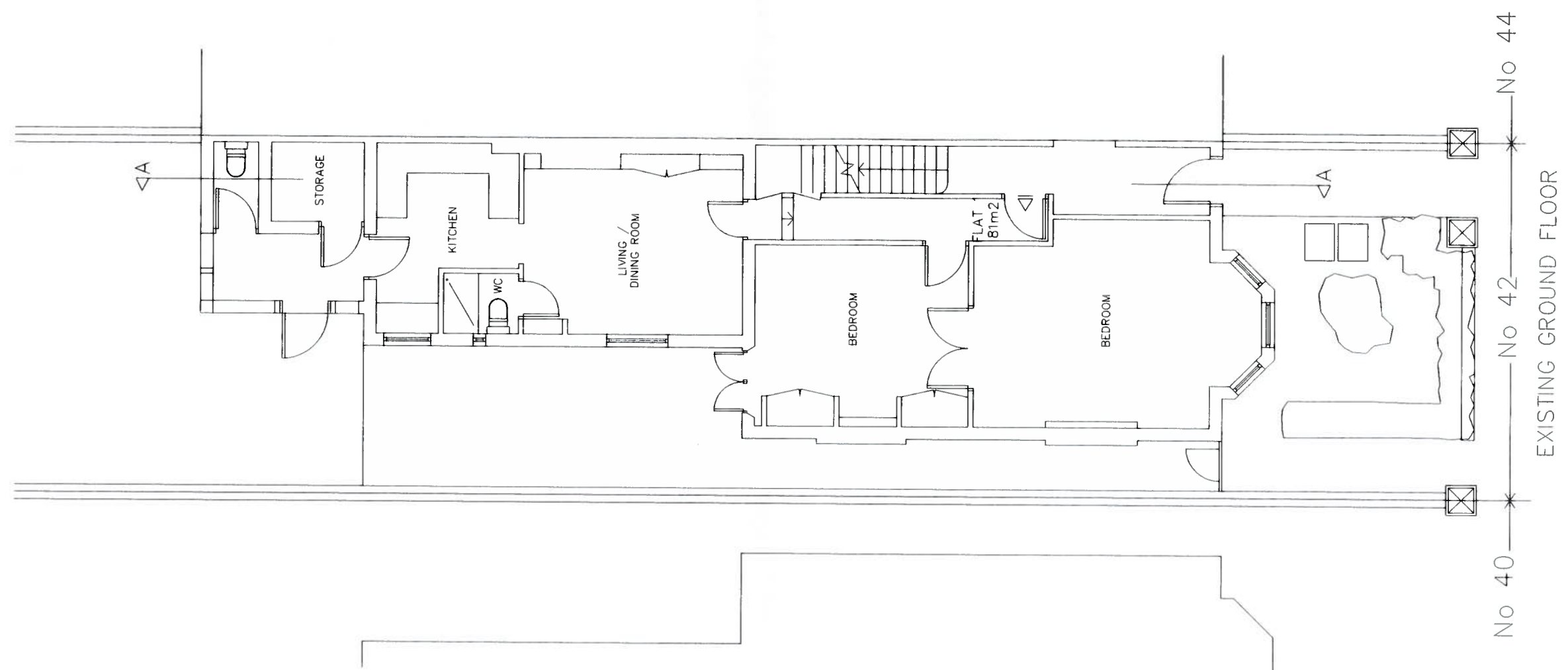




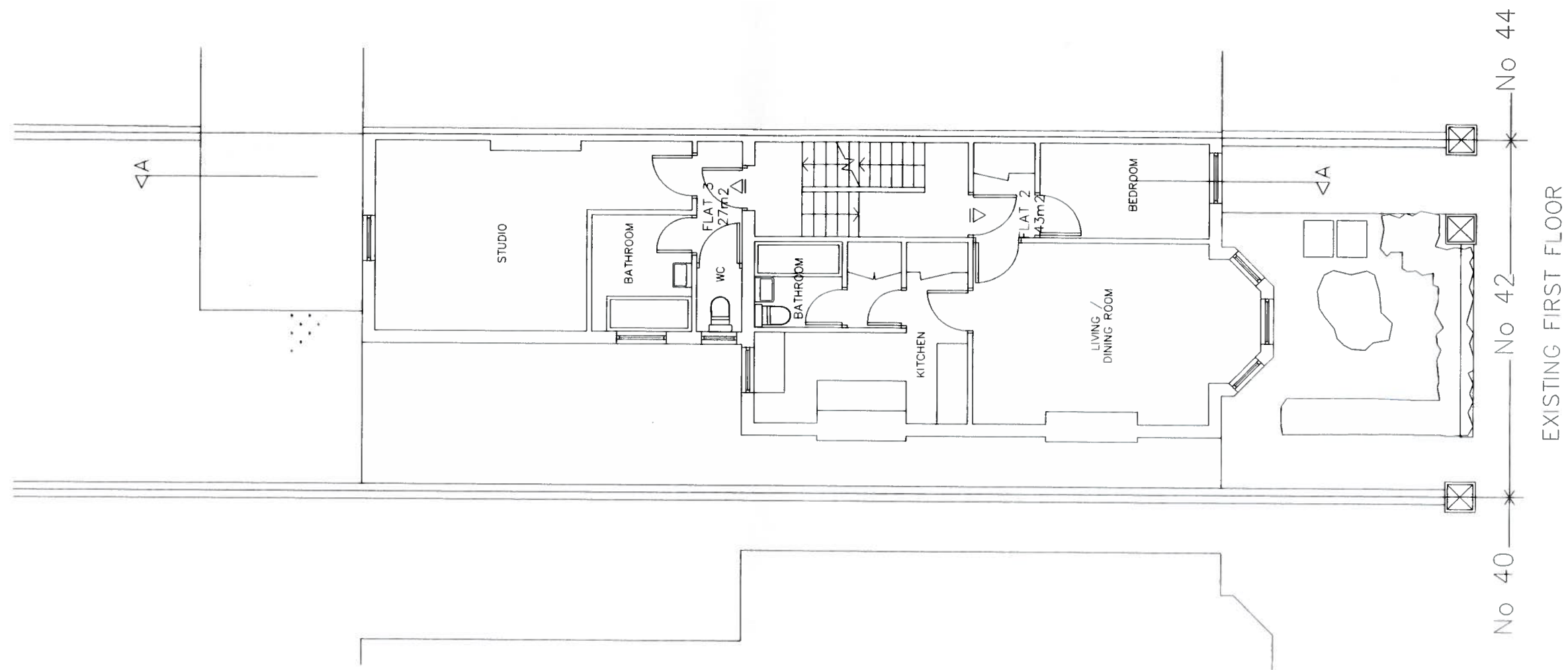
BLOCK PLAN  
1:500



SITE PLAN  
1:1250



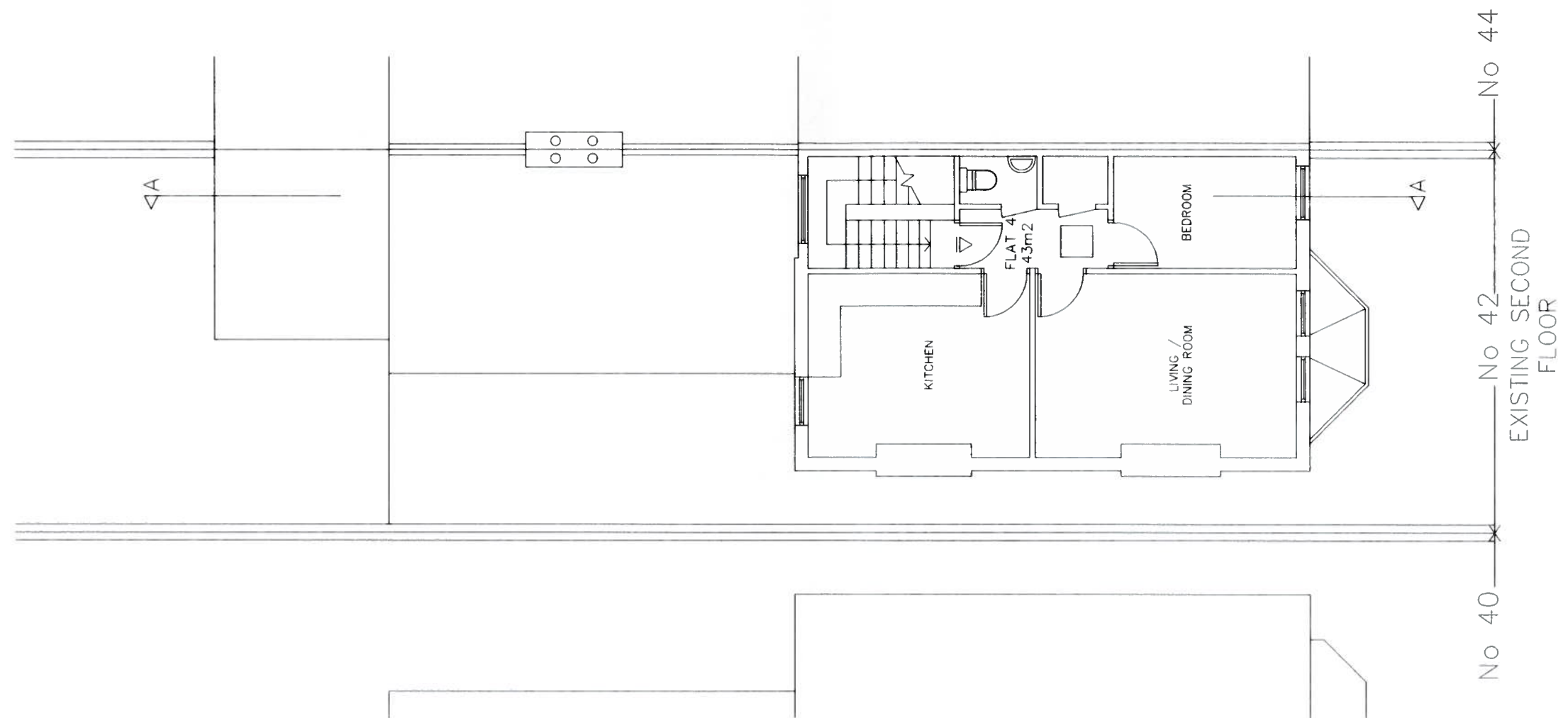
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| TITLE  | SURVEY DRAWINGS | ADDRESS     | 42 FORDWYCH ROAD<br>LONDON, NW2 |
| CLIENT | Mr.             | SCALE       | 1:100 @ A3                      |
|        |                 | DRAWING NO. | 170605/02                       |
|        |                 | DATE        | MAY 2017                        |
|        |                 | REV.        |                                 |



EXISTING FIRST FLOOR

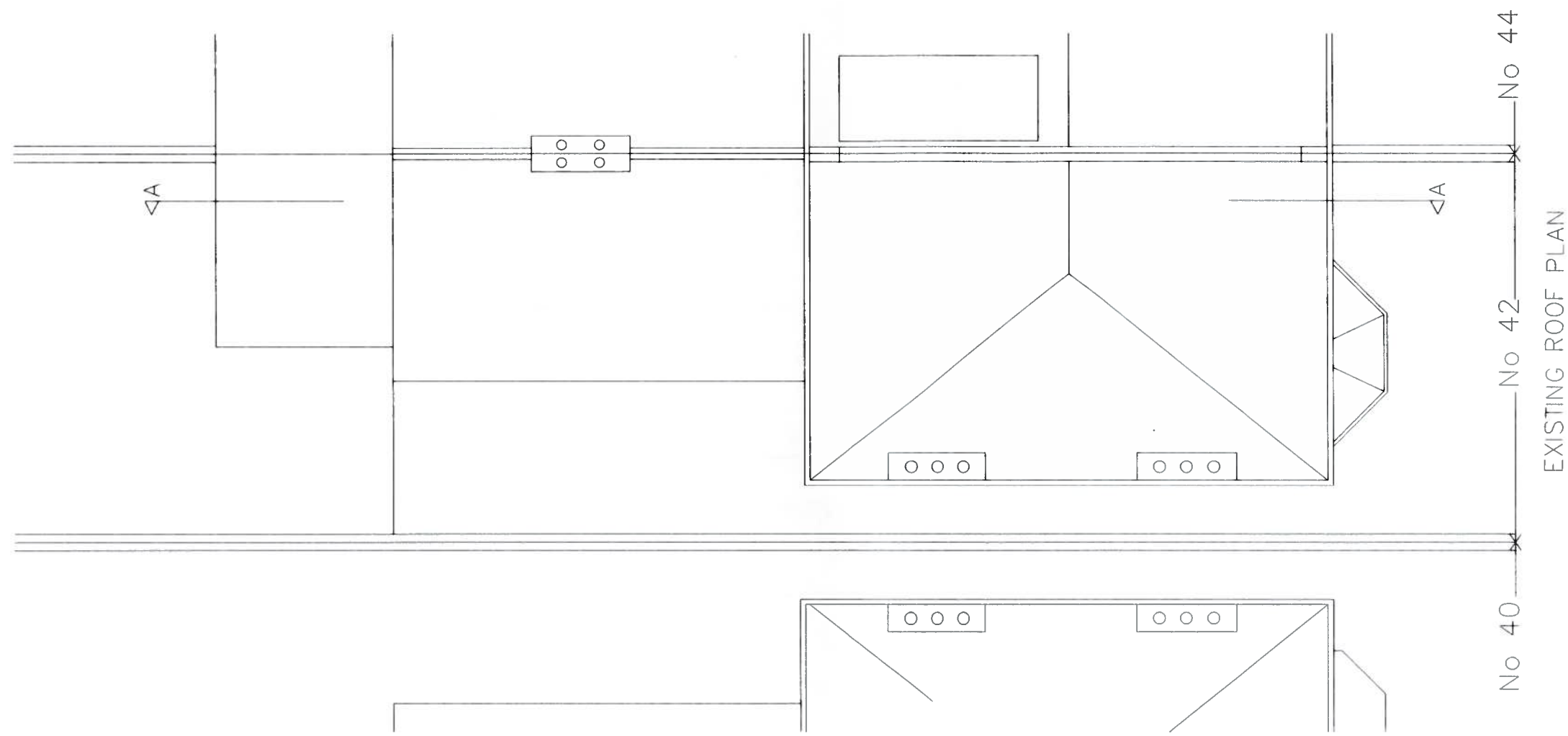
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| CLIENT | Mr.             | SCALE       | 1:100 @ A3                      |
|        |                 | DRAWING NO. | 170605/03                       |
|        |                 | DATE        | MAY 2017                        |
|        |                 | REV.        |                                 |

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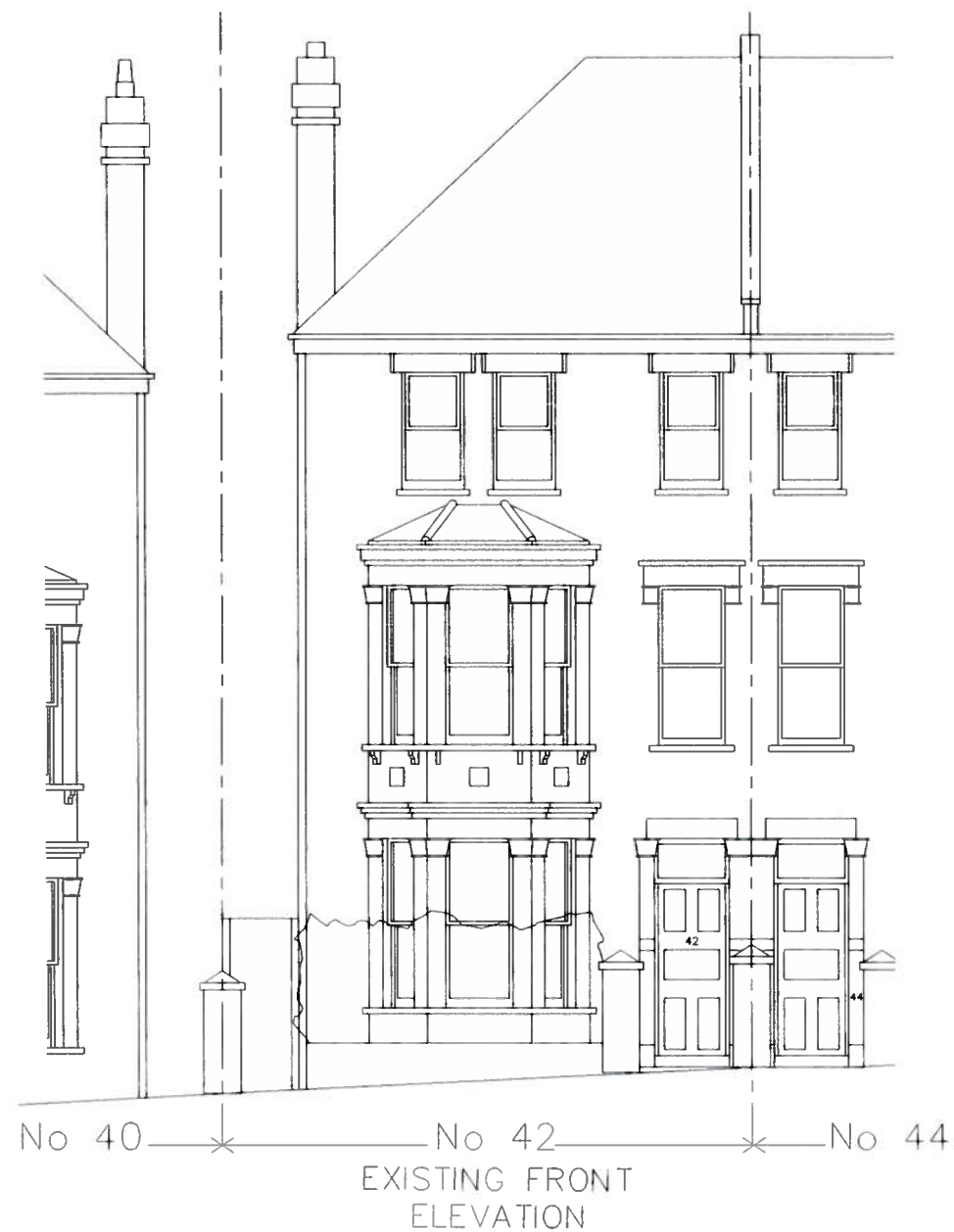


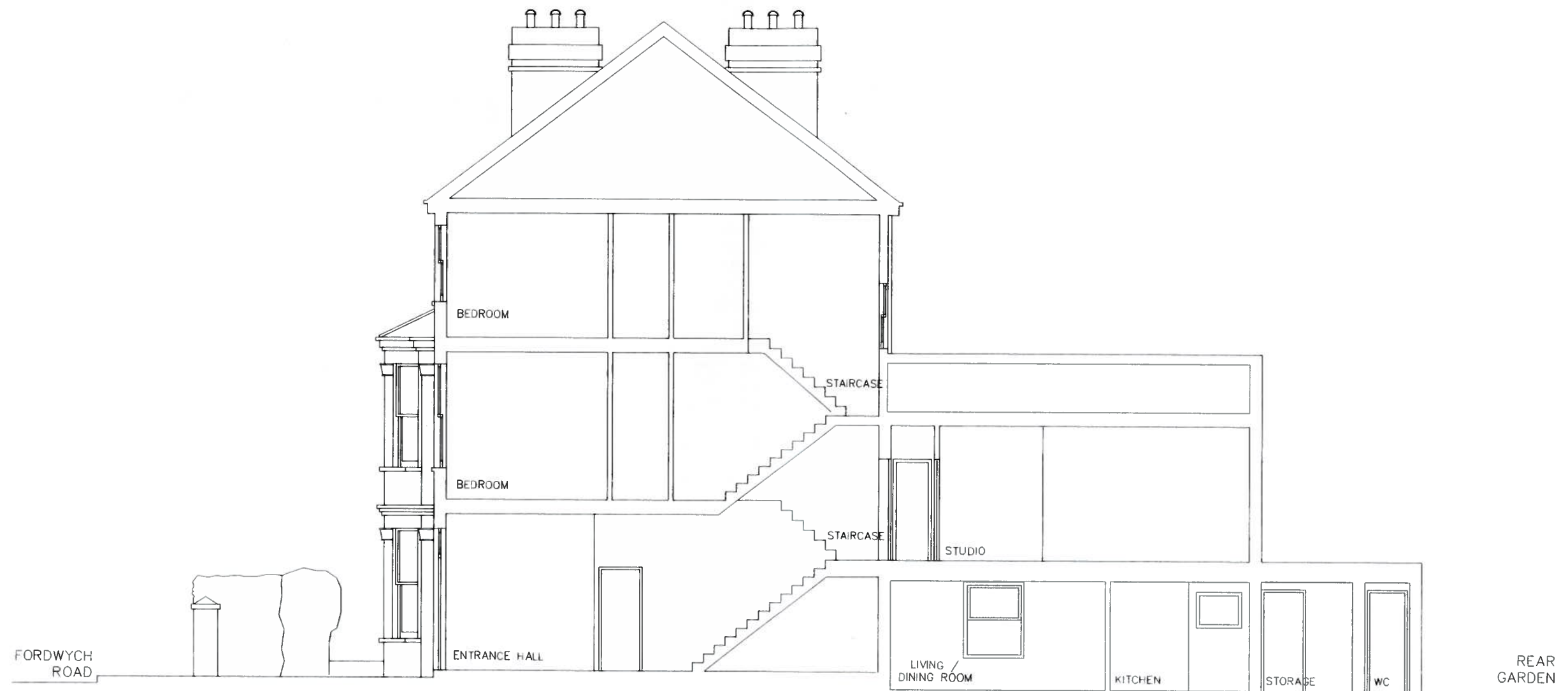
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| CLIENT | Mr.             | SCALE       | 1:100 @ A3                      |
|        |                 | DRAWING NO. | 170605/04                       |
|        |                 | DATE        | MAY 2017                        |
|        |                 | REV.        |                                 |





|        |                 |             |                                 |
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| TITLE  | SURVEY DRAWINGS | ADDRESS     | 42 FORDWYCH ROAD<br>LONDON, NW2 |
| CLIENT | Mr.             | SCALE       | 1:100 @ A3                      |
|        |                 | DRAWING NO. | 170605/05                       |
|        |                 | DATE        | MAY 2017                        |
|        |                 | REV.        |                                 |





EXISTING SECTION A-A



|        |                 |             |                                 |
|--------|-----------------|-------------|---------------------------------|
| TITLE  | SURVEY DRAWINGS | ADDRESS     | 42 FORDWYCH ROAD<br>LONDON. NW2 |
| CLIENT | Mr.             | SCALE       | 1:100 @ A3                      |
|        |                 | DRAWING NO. | 170605/07                       |
|        |                 | DATE        | MAY 2017                        |
|        |                 | REV.        |                                 |



EXISTING SIDE  
ELEVATION

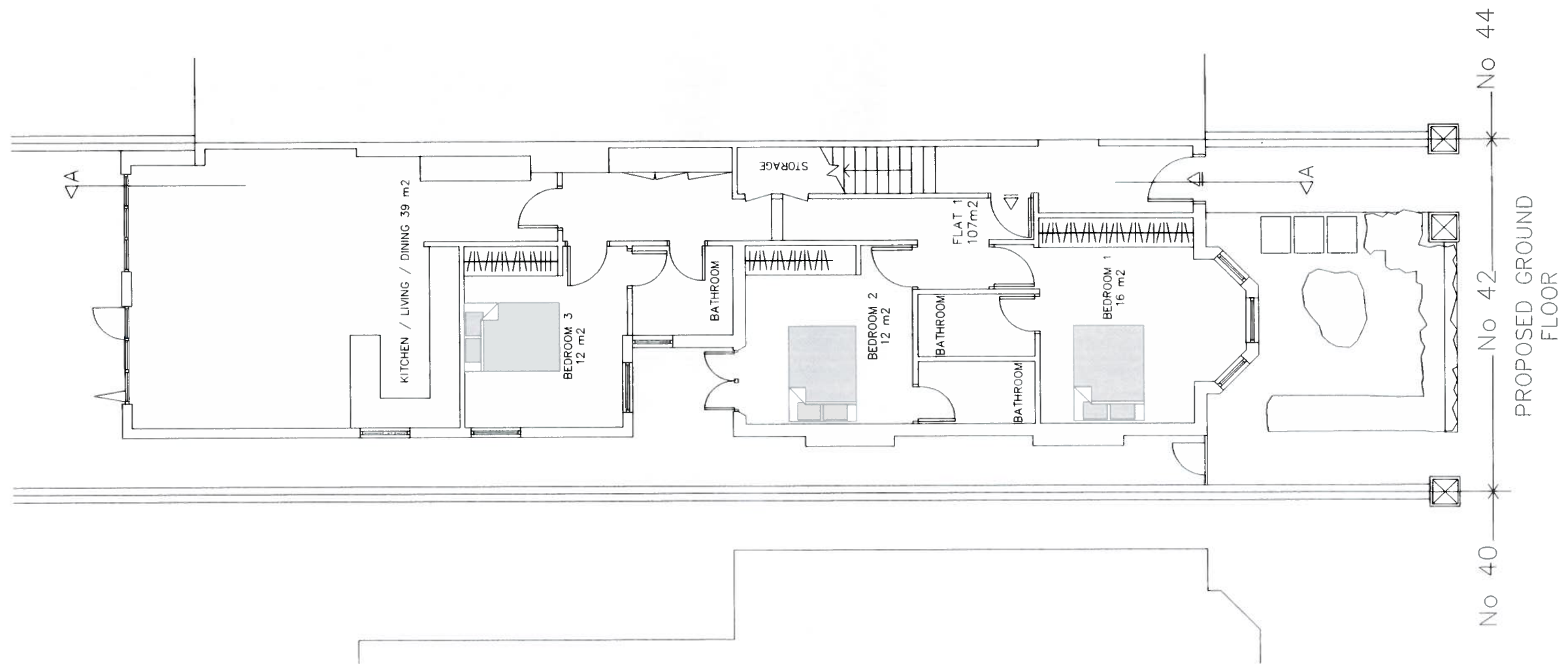


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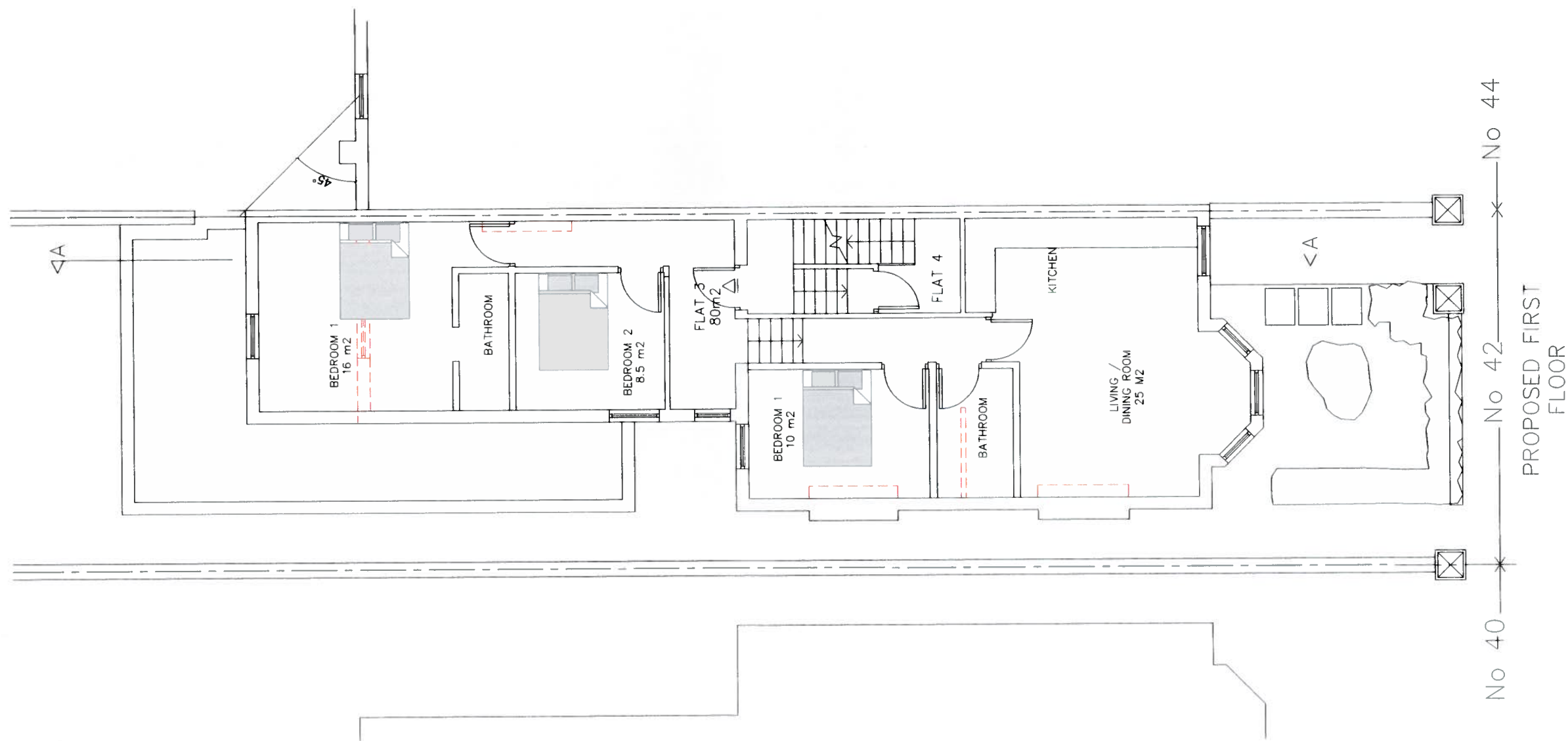
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| CLIENT | Mr.             | SCALE       | 1:100 @ A3                      |
|        |                 | DRAWING NO. | 170605/08                       |
|        |                 | DATE        | MAY 2017                        |
|        |                 | REV.        |                                 |

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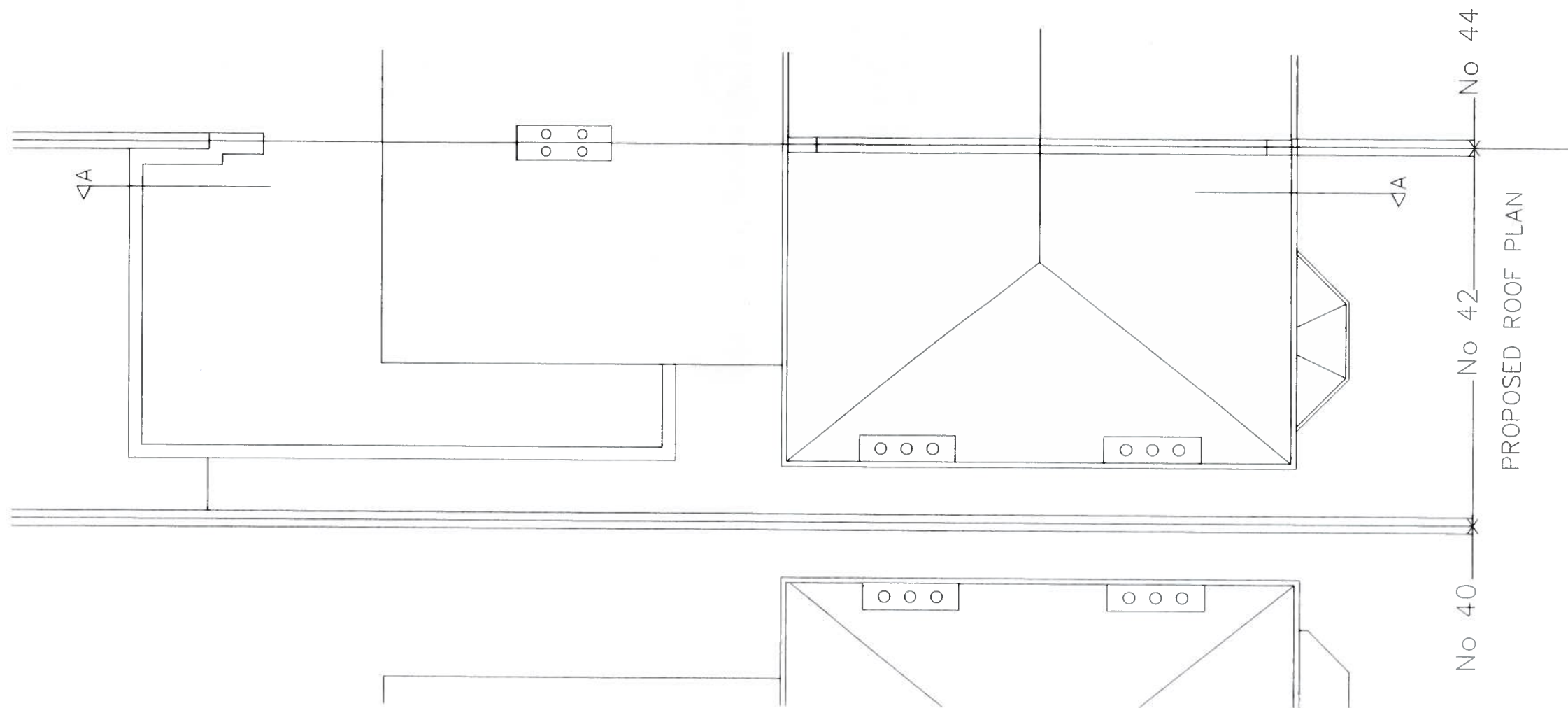




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| TITLE  | PROPOSED DRAWINGS | ADDRESS     | 42 FORDWYCH ROAD<br>LONDON. NW2 |
| CLIENT | Mr.               | SCALE       | 1:100 @ A3                      |
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|        |                   | DATE        | MAY 2017                        |
|        |                   | REV.        |                                 |



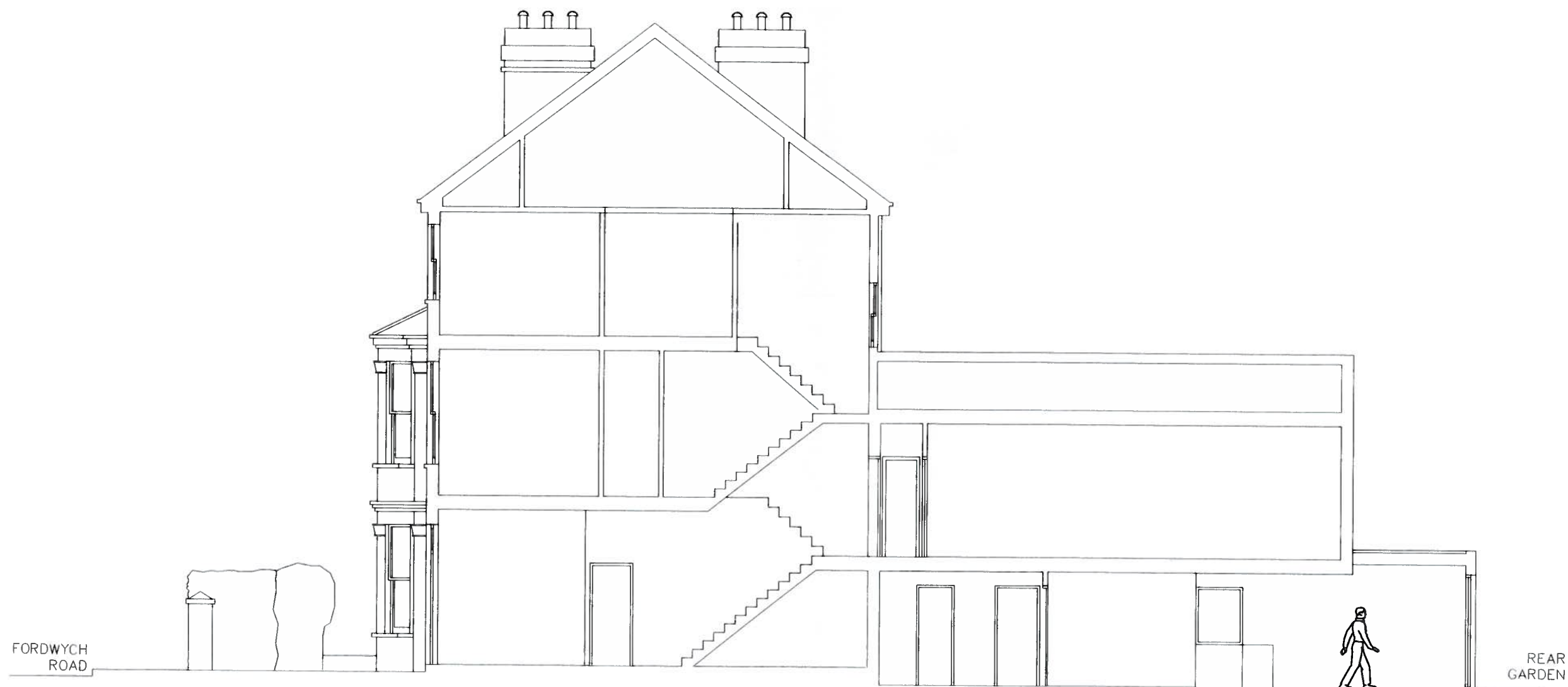
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| CLIENT | Mr.               |  | SCALE       | 1:100 @ A3                      | DATE MAY 2017 |
|        |                   |  | DRAWING NO. | 170605/10                       | REV.          |



|        |                   |             |                                 |
|--------|-------------------|-------------|---------------------------------|
| TITLE  | PROPOSED DRAWINGS | ADDRESS     | 42 FORDWYCH ROAD<br>LONDON, NW2 |
| CLIENT | Mr.               | SCALE       | 1:100 @ A3                      |
|        |                   | DRAWING NO. | 170605/11                       |
|        |                   | DATE        | MAY 2017                        |
|        |                   | REV.        |                                 |



|        |                   |             |                                 |
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| TITLE  | PROPOSED DRAWINGS | ADDRESS     | 42 FORDWYCH ROAD<br>LONDON, NW2 |
| CLIENT | Mr.               | SCALE       | 1:100 @ A3                      |
|        |                   | DRAWING NO. | 170605/12                       |
|        |                   | DATE        | MAY 2017                        |
|        |                   | REV.        |                                 |

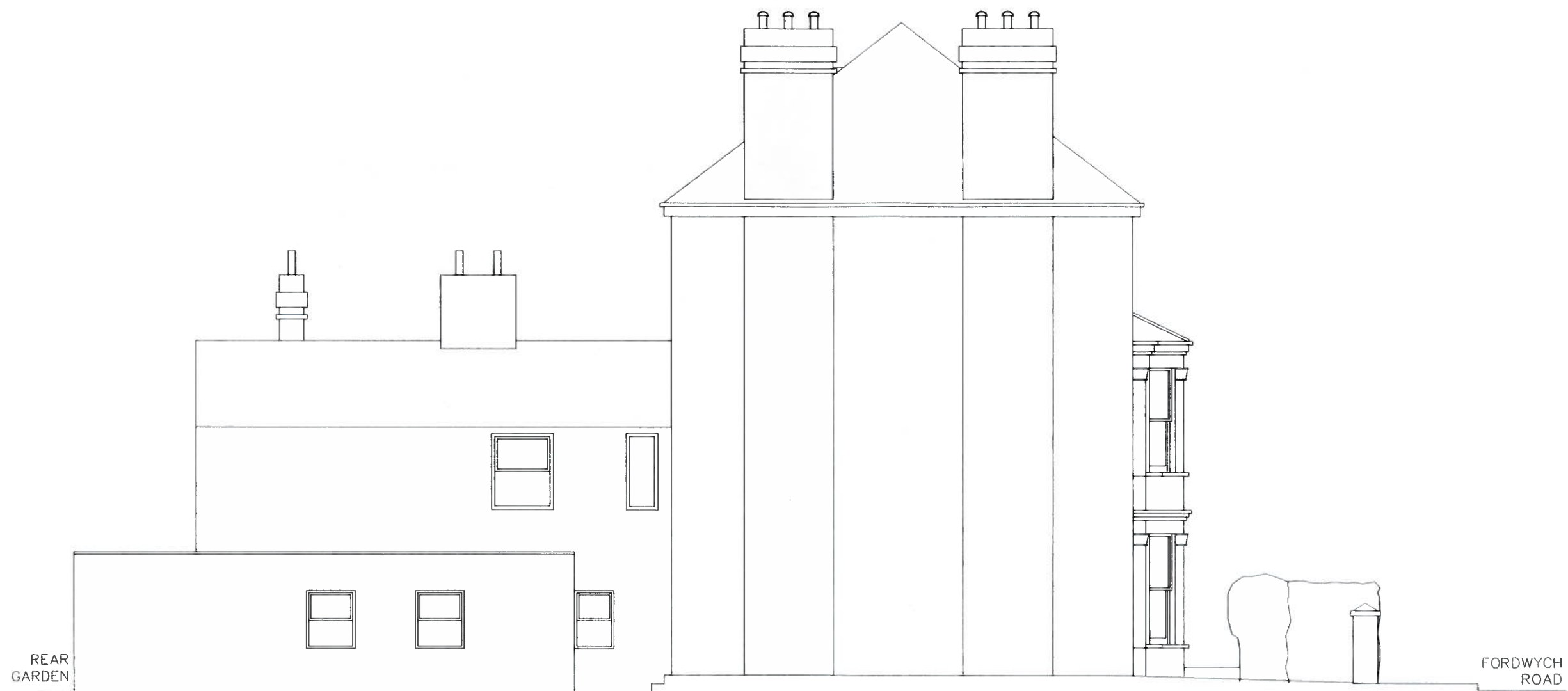


PROPOSED SECTION  
A-A



|        |                   |             |                                 |
|--------|-------------------|-------------|---------------------------------|
| TITLE  | PROPOSED DRAWINGS | ADDRESS     | 42 FORDWYCH ROAD<br>LONDON, NW2 |
| CLIENT | Mr.               | SCALE       | 1:100 @ A3                      |
|        |                   | DRAWING NO. | 170605/13                       |
|        |                   | DATE        | MAY 2017                        |
|        |                   | REV.        |                                 |





PROPOSED SIDE  
ELEVATION

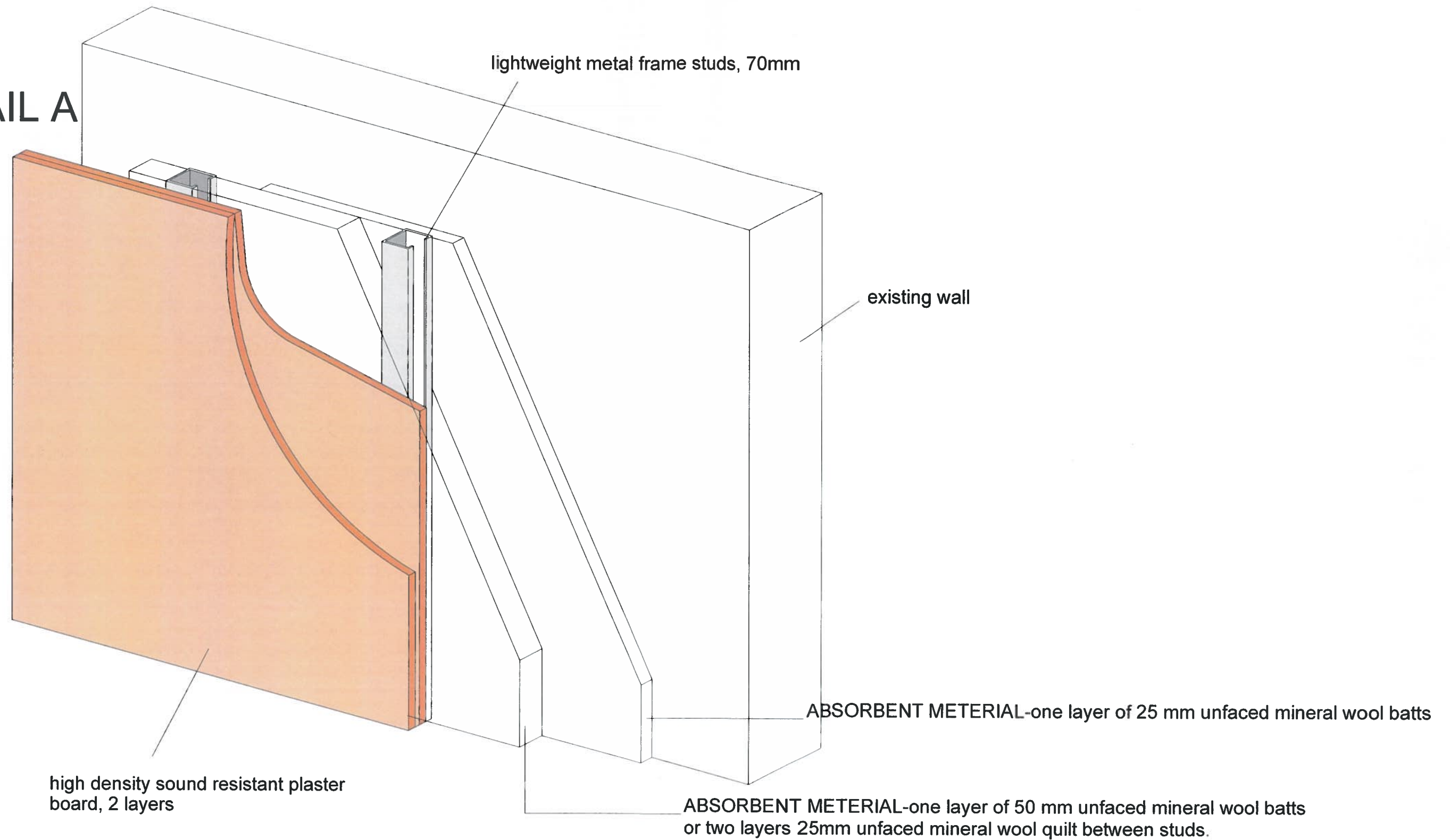


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|        |                   |             |                                 |               |
|--------|-------------------|-------------|---------------------------------|---------------|
| TITLE  | PROPOSED DRAWINGS | ADDRESS     | 42 FORDWYCH ROAD<br>LONDON. NW2 |               |
| CLIENT | Mr.               | SCALE       | 1:100 @ A3                      | DATE MAY 2017 |
|        |                   | DRAWING NO. | 170605/14                       | REV.          |

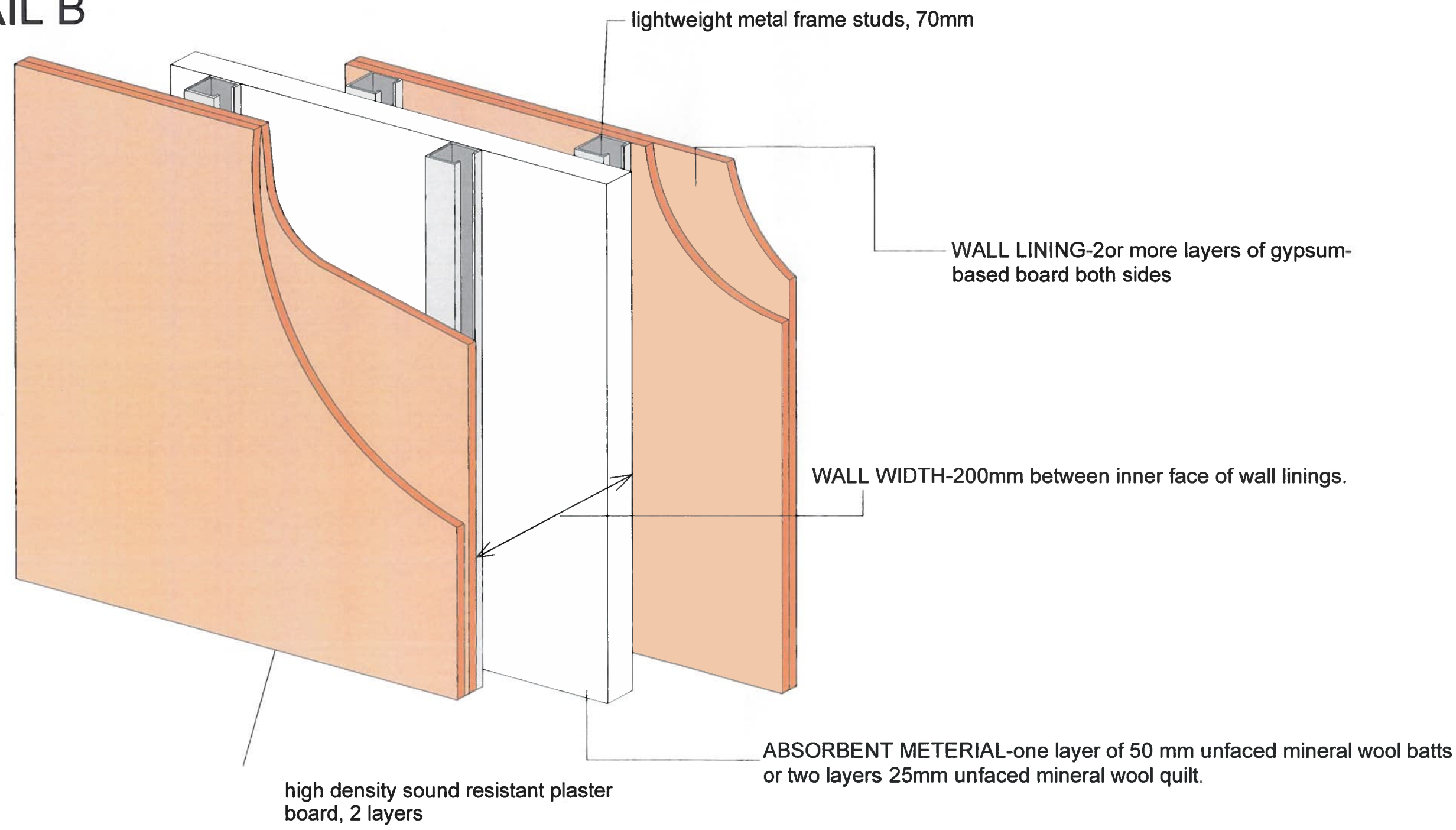
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# DETAIL A



|        |                   |             |                                 |
|--------|-------------------|-------------|---------------------------------|
| TITLE  | PROPOSED DRAWINGS | ADDRESS     | 42 FORDWYCH ROAD<br>LONDON, NW2 |
| CLIENT | Mr.               | SCALE       | 1:100 @ A3                      |
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|        |                   | DATE        | MAY 2017                        |
|        |                   | REV.        |                                 |

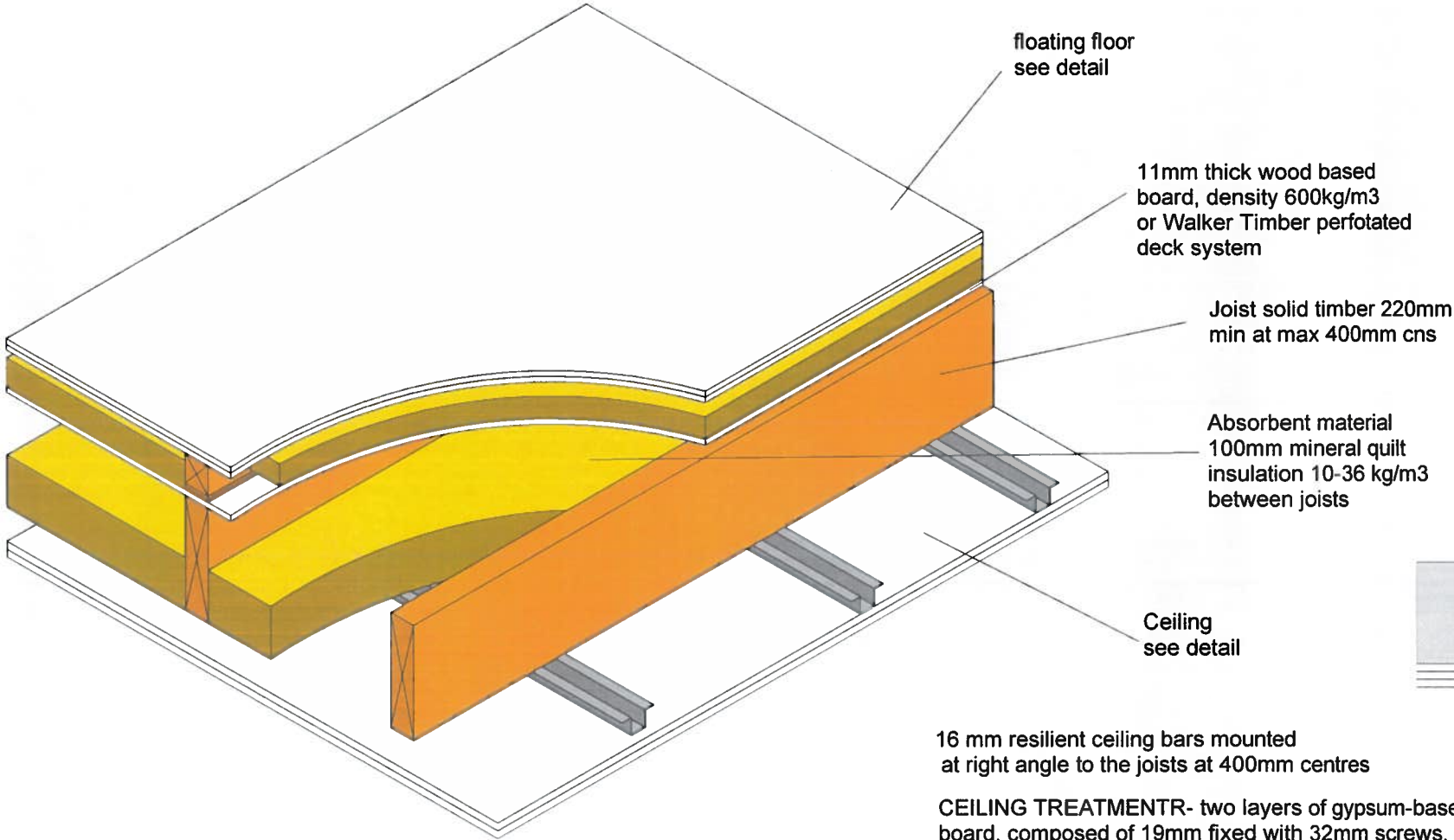
# TWIN METAL FRAMES FOR USE IN LIGHTWRIGHT STEEL FRAME HOUSES AND FLATS DETAIL B



|        |                   |             |                                 |
|--------|-------------------|-------------|---------------------------------|
| TITLE  | PROPOSED DRAWINGS | ADDRESS     | 42 FORDWYCH ROAD<br>LONDON, NW2 |
| CLIENT | Mr.               | SCALE       | 1:100 @ A3                      |
|        |                   | DRAWING NO. | 170605/16                       |
|        |                   | DATE        | MAY 2017                        |
|        |                   | REV.        |                                 |



# FLOATING FLOOR ROBUST DETAIL E-FT-2



16 mm resilient ceiling bars mounted  
at right angle to the joists at 400mm centres

CEILING TREATMENTR- two layers of gypsum-based  
board, composed of 19mm fixed with 32mm screws, and  
12.5mm fixed with 42mm screws

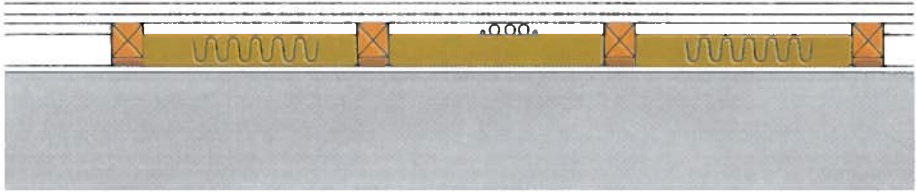
CEILING TREATMENT CT2- two layers of gypsum-based boards  
composed of 15mm with 25mm screws and second layer of 15mm  
gypsum-based board fixed with 42mm screws.

25MM RESILIENT BARS WITH CT3- 25mm metal resilient ceiling bars  
mounted at right angles to the joists at 400mm centres.

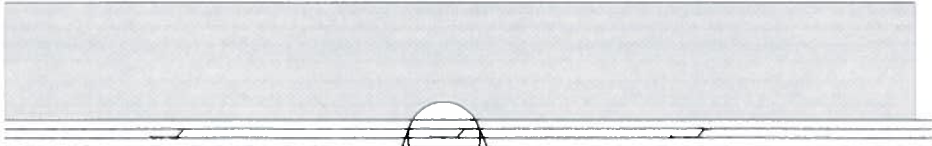
CEILING TREATMENT CT3- two layers of gypsum-based board,  
composed of 10mm fixed with 30mm screws and second layer of 10mm  
fixed with 30mm screws.

18mm t&g flooring  
gypsum based board 13.5kg/m2 density  
FFT-1 resilient composite deep battens  
resilient layer must be continuous and not  
pre bonded to batten  
battens may have resilient layer at top or bottom  
60mm 10-36 kg/m3 mineral wool between battens

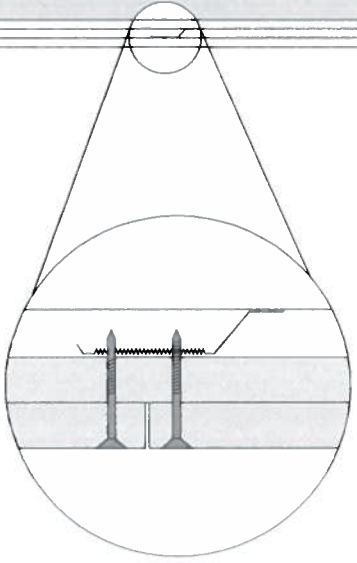
## E-FT-2 FLOATING FLOOR DETAIL



services located above  
or below quilt



## E-FT-2 CEILING TREATMENT.



|        |                   |             |                                 |
|--------|-------------------|-------------|---------------------------------|
| TITLE  | PROPOSED DRAWINGS | ADDRESS     | 42 FORDWYCH ROAD<br>LONDON, NW2 |
| CLIENT | Mr.               | SCALE       | 1:100 @ A3                      |
|        |                   | DRAWING NO. | 170605/17                       |
|        |                   | DATE        | MAY 2017                        |
|        |                   | REV.        |                                 |



# Xtratherm Thin-R

## Thin-R XT/TL-MF

### Thermal Lining Insulation

Xtratherm Thin-R Thermal Liner is a composite insulated panel of Xtratherm Polyiso (PIR) core with a foil face one side bonded to plasterboard for for mechanically fixing to internal walls. XT/TL-MF is designed to provide high levels of thermal insulation and dry lining in one operation for suitable masonry walls, sloped rafters and ceilings in new build and refurbishment situations.



#### U-value calculations to BS EN ISO-6946

##### WALLS (XT/TL-MF) - Dry Lined

| WALL TYPE                     | XTRATHERM THICKNESS (mm) |      |      |      |      |
|-------------------------------|--------------------------|------|------|------|------|
|                               | 25                       | 40   | 50   | 60   | 70   |
| 300mm Cavity Wall Brick/Block | 0.43                     | 0.33 | 0.29 | 0.25 | 0.23 |
| 215mm Solid Brickwork         | 0.45                     | 0.35 | 0.30 | 0.26 | 0.23 |

Contact Xtratherm Technical Support for specific U-value calculations.

#### Resistance 'R' Values

The resistance value of any thickness of Xtratherm PIR can be ascertained by simply dividing the thickness of the material (in metres) by its agreed declared lambda value 0.022 W/mK. eg 50mm = 0.050/0.022 = R2.27

| PROPERTY                 | UNITS                |
|--------------------------|----------------------|
| Density (Foam Core)      | 32 Kg/m <sup>3</sup> |
| Compressive Strength     | > 140 KPa            |
| Water Vapour Resistivity | > 100 MNs/gm         |
| Thermal Conductivity     | 0.022 W/mK           |
| Surface Spread of Flame  | Class 1*             |

\*When laminated to plasterboard, then R XT/TL-MF is deemed to be class 0 in accordance with the building regulations.



#### Installation Guidelines

##### Mechanical Fixing XT/TL-MF

Fix a pre-treated timber batten horizontally at ceiling level and another 20mm above the finished floor level.

Fix vertical battens at max 600mm centres.

Ensure battens are wide enough to offer 20mm support to all four edges of the plasterboard.

Pack battens if necessary to level the wall.

Trim all openings and service penetrations with timber battens.

Insulation should be cut back to accommodate an adjoining panel at external corners.

Lift the XT/TL-MF Thermal Liner into position using wedges on the floor.

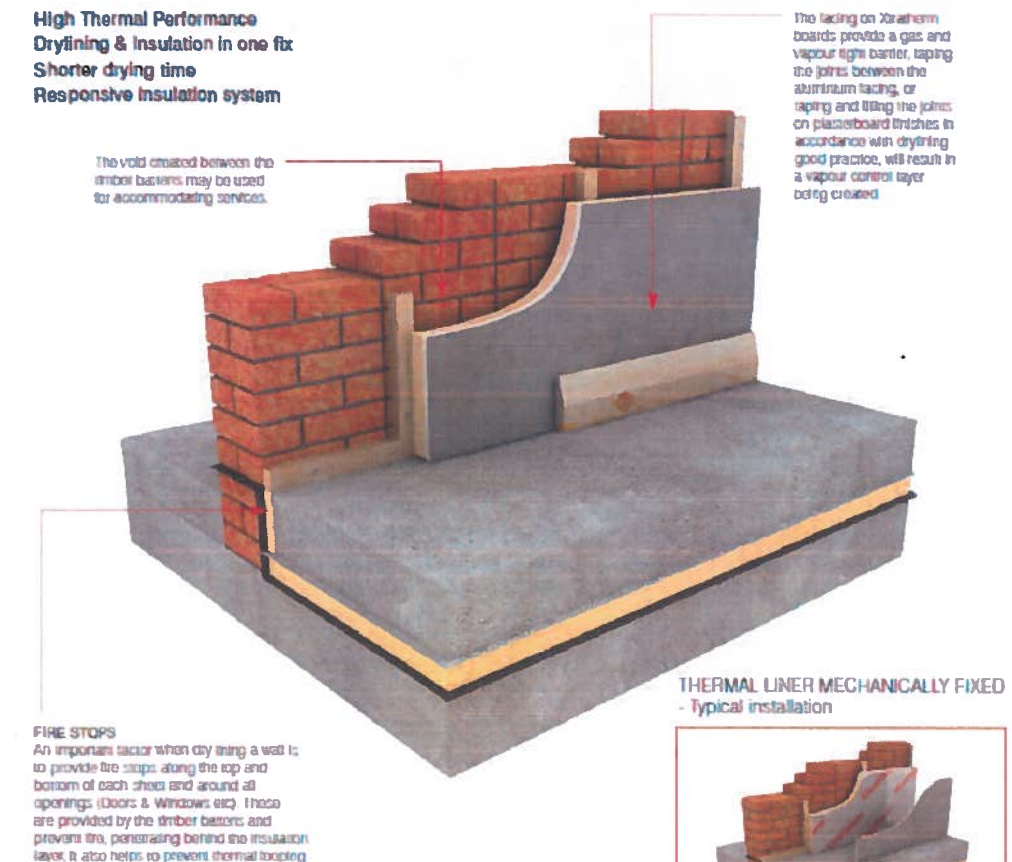
Screws should be fixed to the timber batten at 150mm centres, at least 12mm in from the board edge. The fixings should penetrate at least 25mm into the batten.

Installation must be in accordance with good dry lining practice. BS 0212:1988 should be considered, careful cutting out and planning is essential. Fill any gaps with foam filler.

Accredited details should be followed to ensure that calculated performance is achieved.

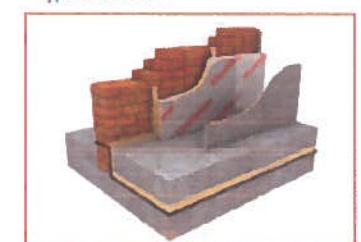
## Thermal Lining

High Thermal Performance  
Drylining & Insulation in one fix  
Shorter drying time  
Responsive Insulation system



**FIRE STOPS**  
An important factor when dry lining a wall is to provide fire stops along the top and bottom of each sheet and around all openings (doors & windows etc). These are provided by the timber battens and prevent fire penetrating behind the insulation layer. It also helps to prevent thermal looping.

THERMAL LINER MECHANICALLY FIXED  
- Typical installation



#### Specification Clause

The insulated dry lining wall insulation shall be Xtratherm Thin-R XT/TL-MF 12.5mm plasterboard bonded to ... mm CFC/HCFC free rigid Polyisocyanurate core between low emissivity foil faces manufactured to EN ISO 9001:2000 by Xtratherm. The insulated dry lining plasterboard XT/TL-MF shall be mechanically fixed to battens, or proprietary system in accordance with instructions issued by Xtratherm. Refer to NBS clause K10 205.

#### THIN-R SHEET SIZE

| DIMENSIONS            | SIZE (mm)               |
|-----------------------|-------------------------|
| Length                | 2400                    |
| Width                 | 1200                    |
| Thickness*            |                         |
| Plasterboard 9.5mm +  | 25/40/50                |
| Plasterboard 12.5mm + | 25/30/40/50/60/70/80/90 |

\*Other sizes available subject to quantity and lead time.  
Note: Standard product supplied Ireland - tapered edge

Ireland

INSULATION TO BE 80MM THICK  
TO ACHIEVE REQUIRED U VALUE



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|        |                   |             |                                 |
|--------|-------------------|-------------|---------------------------------|
| TITLE  | PROPOSED DRAWINGS | ADDRESS     | 42 FORDWYCH ROAD<br>LONDON. NW2 |
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|        |                   | DRAWING NO. | 170605/18                       |
|        |                   | DATE        | MAY 2017                        |
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