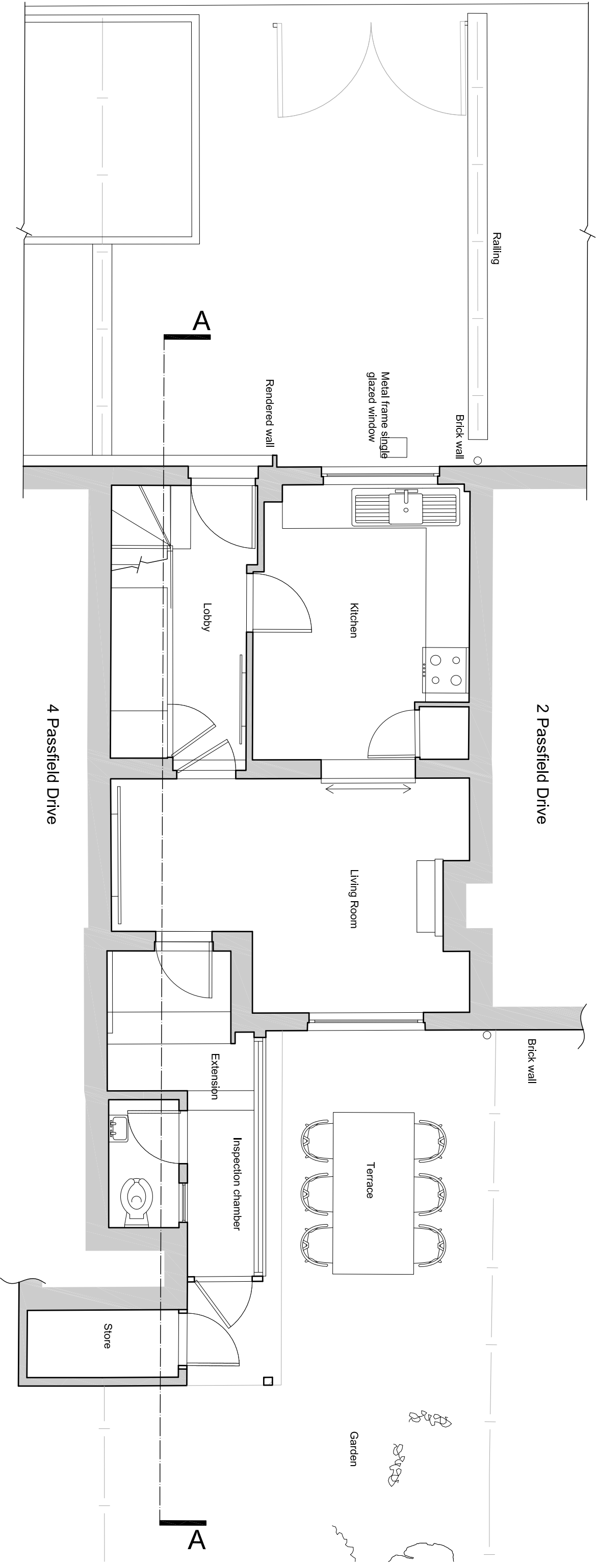
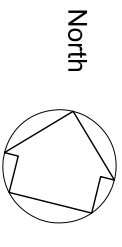


Retrofit for the Future Final Phase  
Report  
ZA521E  
Appendix 1  
Architectural Drawings



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- 1 Use figured dimensions only
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- 3 All dimensions to be checked on site and the Architect to be informed of any discrepancies before construction commences
- 4 All references to drawings refer to current revision of that drawing
- 5 Structural and services information shown is indicative only. Refer to consultants drawings for details and setting out
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Rev	Description	Date	By	Chk
A	First Issue	29.09.10	SLH	DC

# STAGE 1 REPORT

**Project:** 3 Passfield Drive  
London

**Subject:** Ground Floor Plan  
Existing

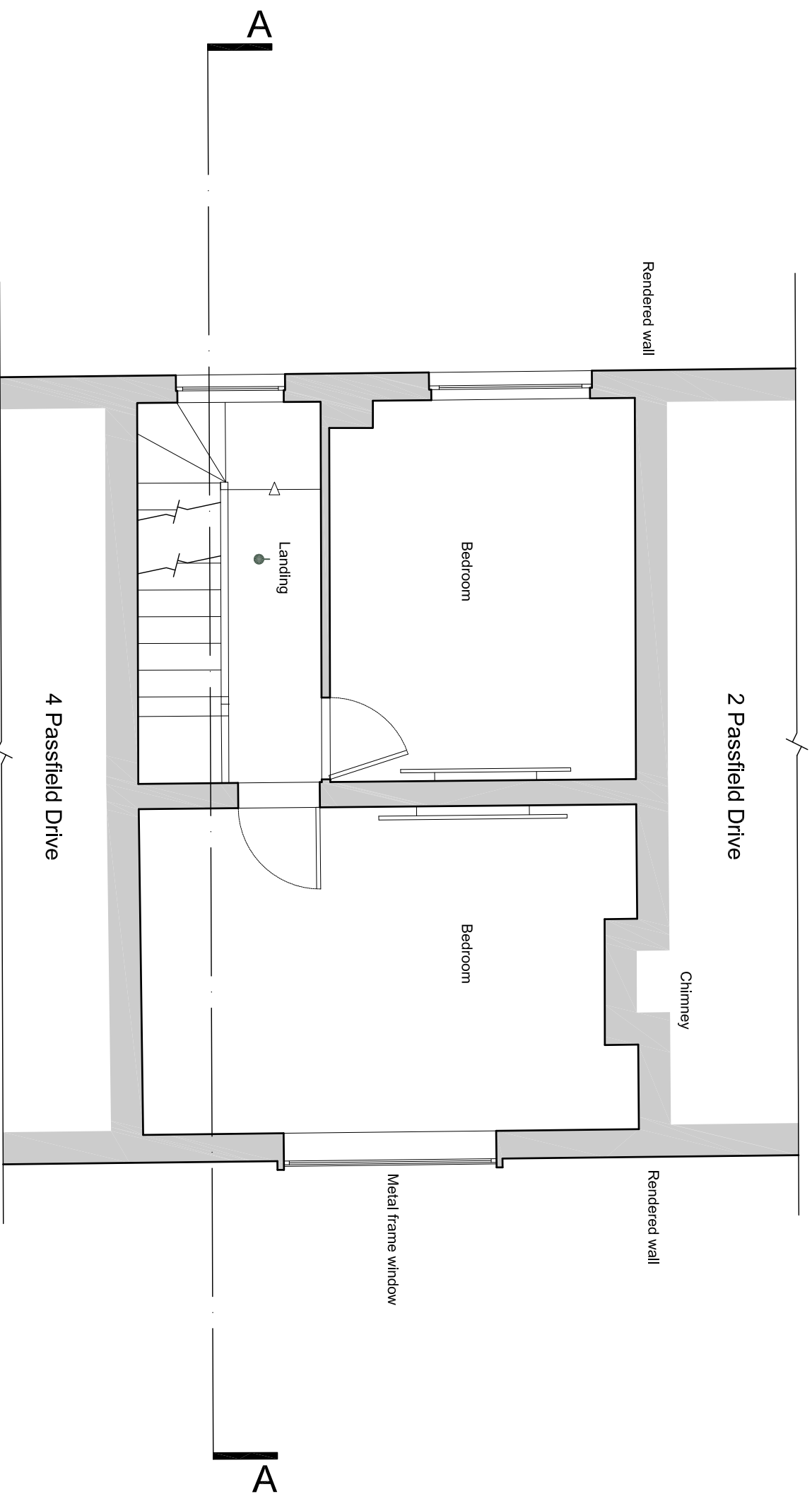
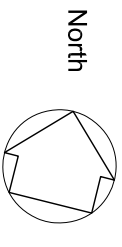
**Scale:** 1:50 @ A3

**Date:** 07.10.09

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Project Drawing Rev  
**0369.B3.G20.P00 A**



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Rev	Description	Date	By	Chk
A	Revised where cluded	DD.MM.YY	XX	XX

## STAGE 1 REPORT

**Project:** 3 Passfield Drive  
London

**Subject:** First Floor Plan  
Existing

**Scale:** 1:50 @ A3

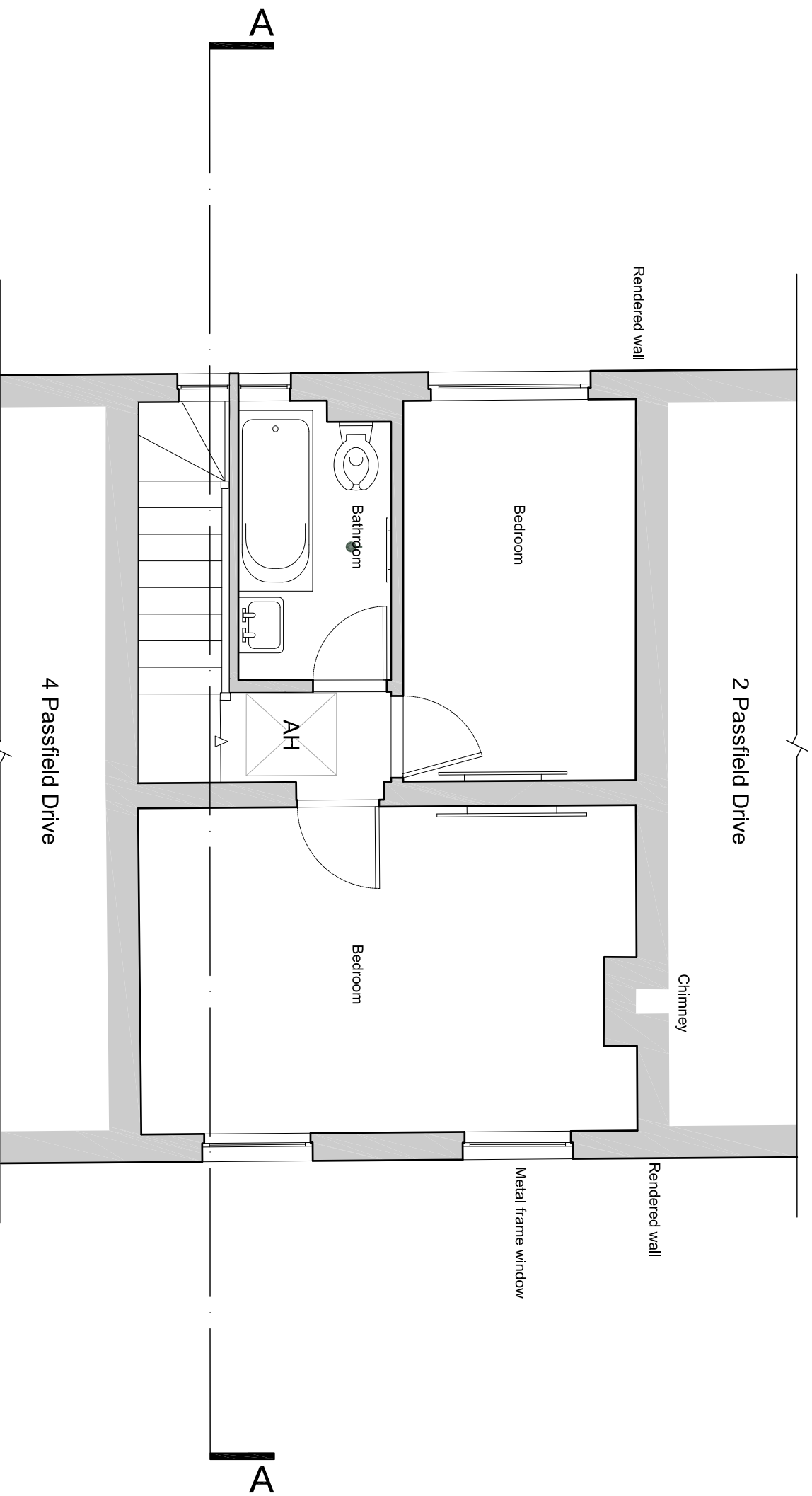
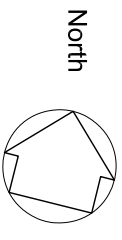
**Date:** 07.10.09

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Project Drawing

0369.B3.G20.P01 **A**



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- 3 All dimensions to be checked on site and the Architect to be informed of any discrepancies before construction commences
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- 5 Structural and services information shown is indicative only. Refer to consultants drawings for details and setting out
- 6 All work and materials to be in accordance with current applicable statutory legislation and to comply with all relevant codes of practice and British and European standards

Rev	Description	Date	By	Chk
A	Revised where clouded	DD.MM.YY	XX	XX

# STAGE 1 REPORT

**Project:** 3 Passfield Drive  
London

**Subject:** Second Floor Plan  
Existing

**Scale:** 1:50 @ A3

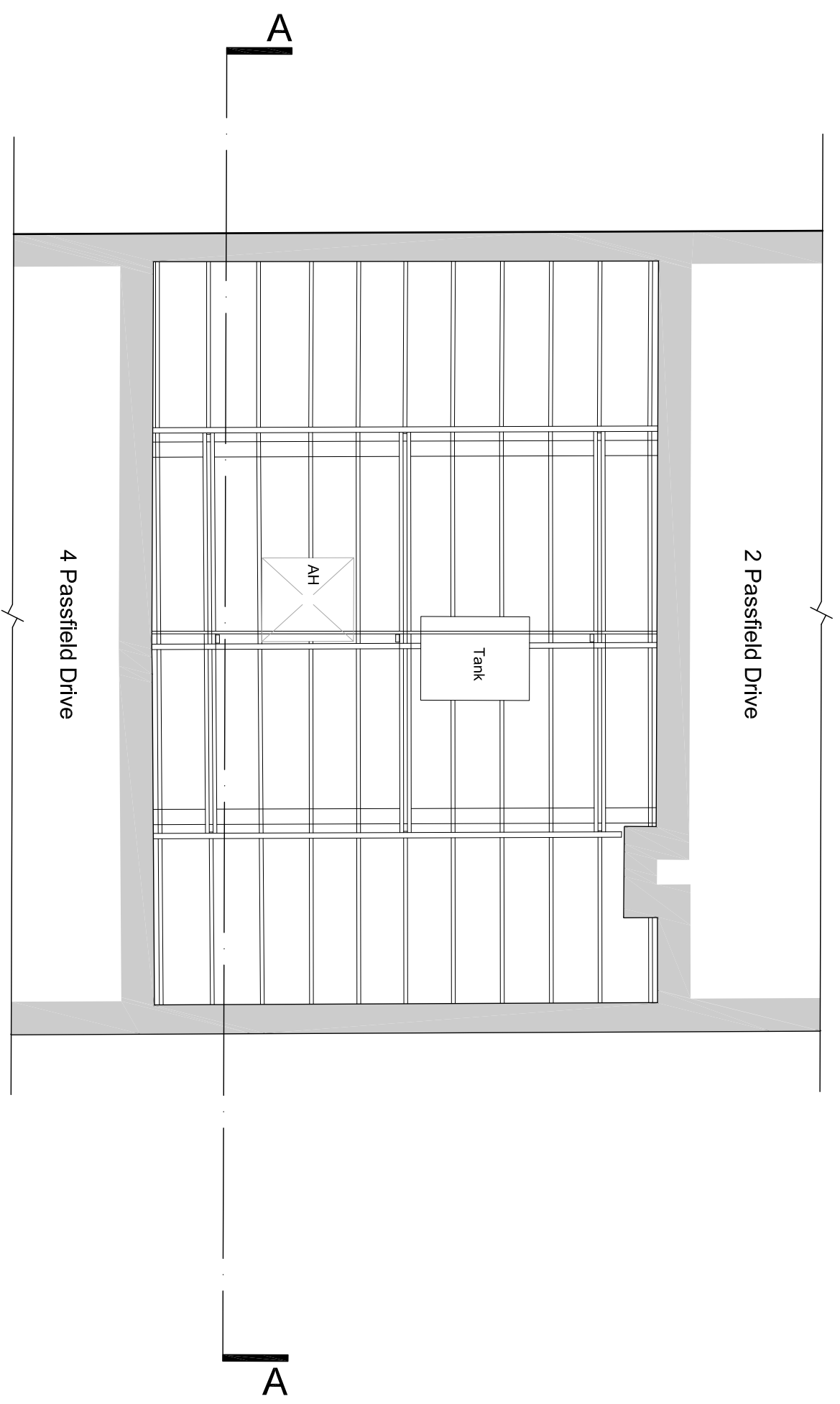
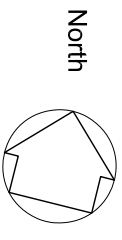
**Date:** 07.10.09

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Project Drawing

0369.B3.G20.P02 **A**



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Rev	Description	Date	By	Chk
A	Revised where cluded	DD.MM.YY	XX	XX

# STAGE 1 REPORT

**Project:** 3 Passfield Drive  
London

**Subject:** Third Floor Plan  
Existing

**Scale:** 1:50 @ A3

**Date:** 07.10.09

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Project Drawing Rev

**0369.B3.G20.P03 A**



Rev	Description	Date	By	Chk
A	Revised where clouded	DD.MM.YY	XX	XX

- 1 Use figured dimensions only
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- 3 All dimensions to be checked on site and the Architect to be informed of any discrepancies before construction commences
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- 6 All work and materials to be in accordance with current applicable statutory legislation and to comply with all relevant codes of practice and British and European standards

## STAGE 1 REPORT

**Project:** 3 Passfield Drive  
London

**Subject:** Front Elevation  
Existing

**Scale:** 1:50 @ A3

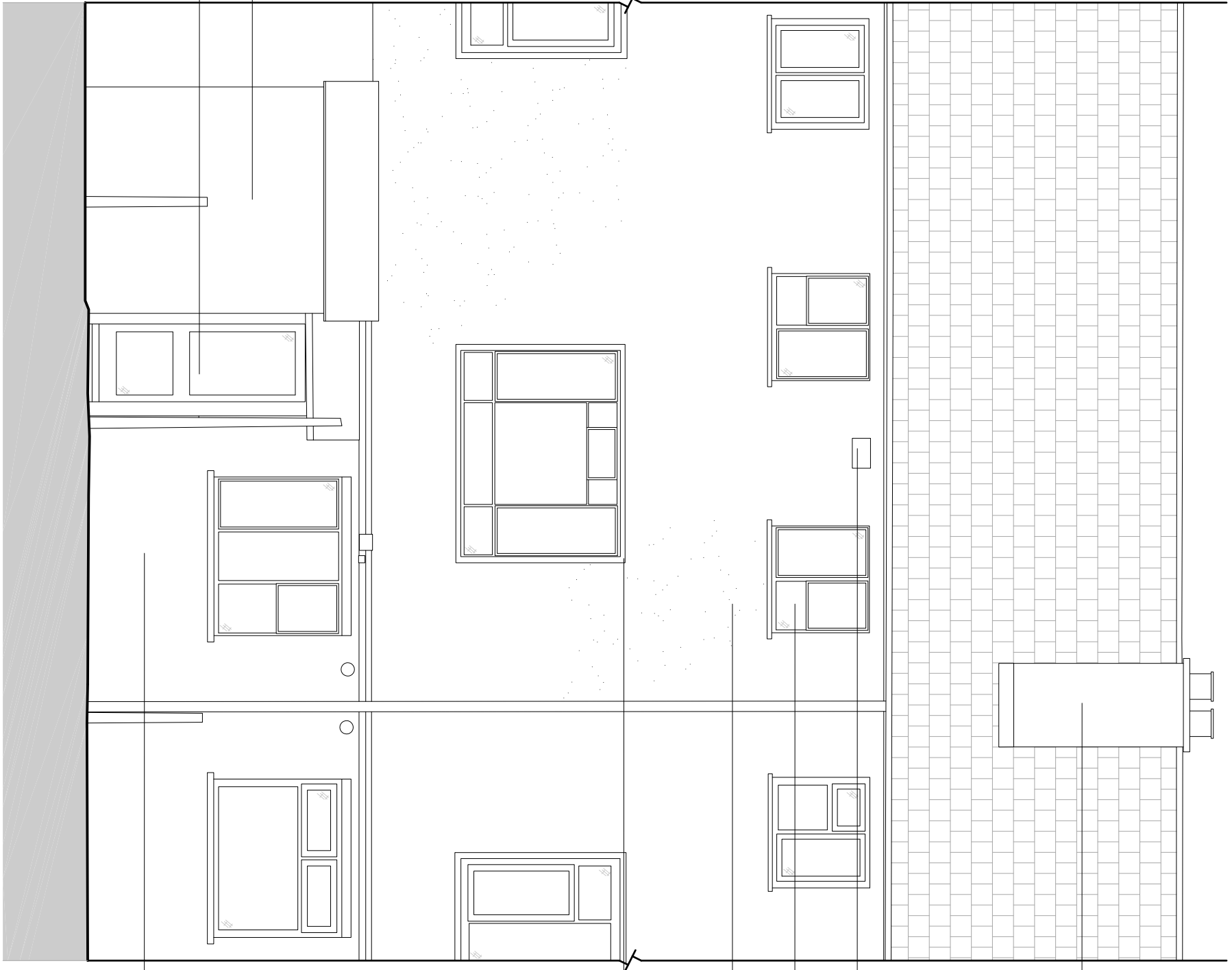
**Date:** 07.10.09

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Project Drawing

0369.B3.G20.E00 A



Brick chimney

Room vents

Metal frame window

Rendered brick wall

Concrete frame

Exposed brick

Shed

Garden door



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Rev	Description	Date	By	Chk
A	Revised where clouded	DD.MM.YY	XX	XX

- 1 Use figured dimensions only
- 2 Do not scale from this drawing
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# STAGE 1 REPORT

**Project:** 3 Passfield Drive  
London

**Subject:** Rear Elevation  
Existing

**Scale:** 1:50 @ A3

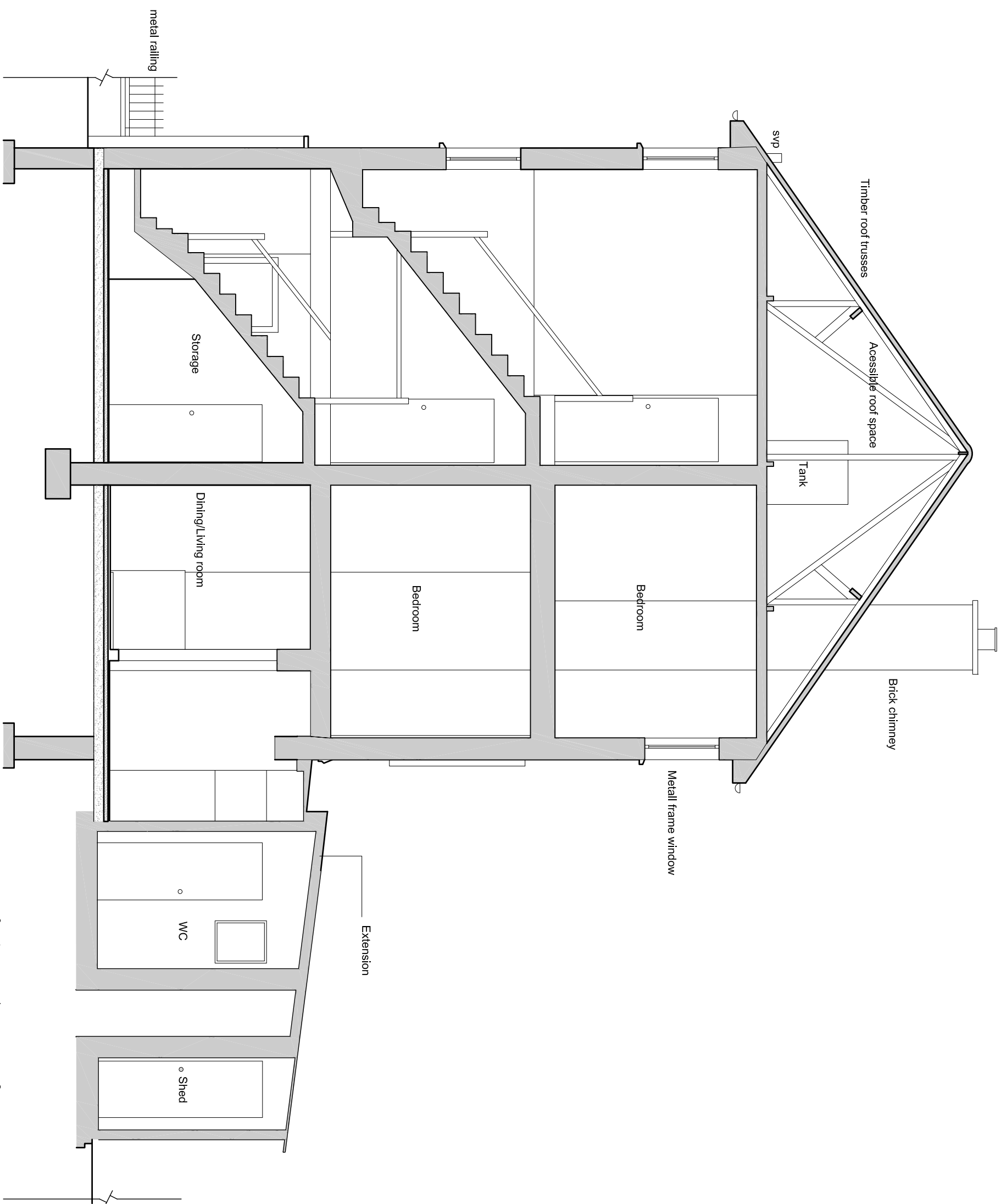
**Date:** 07.10.09

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Project Drawing

0369.B3.G20.E01 A



Rev	Description	Date	By	Chk
A	Revised where clouded	DD.MM.YY	XX	XX

- 1 Use figured dimensions only
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- 3 All dimensions to be checked on site and the Architect to be informed of any discrepancies before construction commences
- 4 All references to drawings refer to current revision of that drawing
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# STAGE 1 REPORT

**Project:** 3 Passfield Drive  
London

**Subject:** Section AA  
Existing

**Scale:** 1:50 @ A3

**Date:** 07.10.09

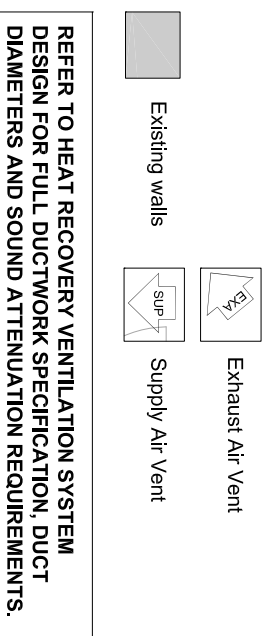
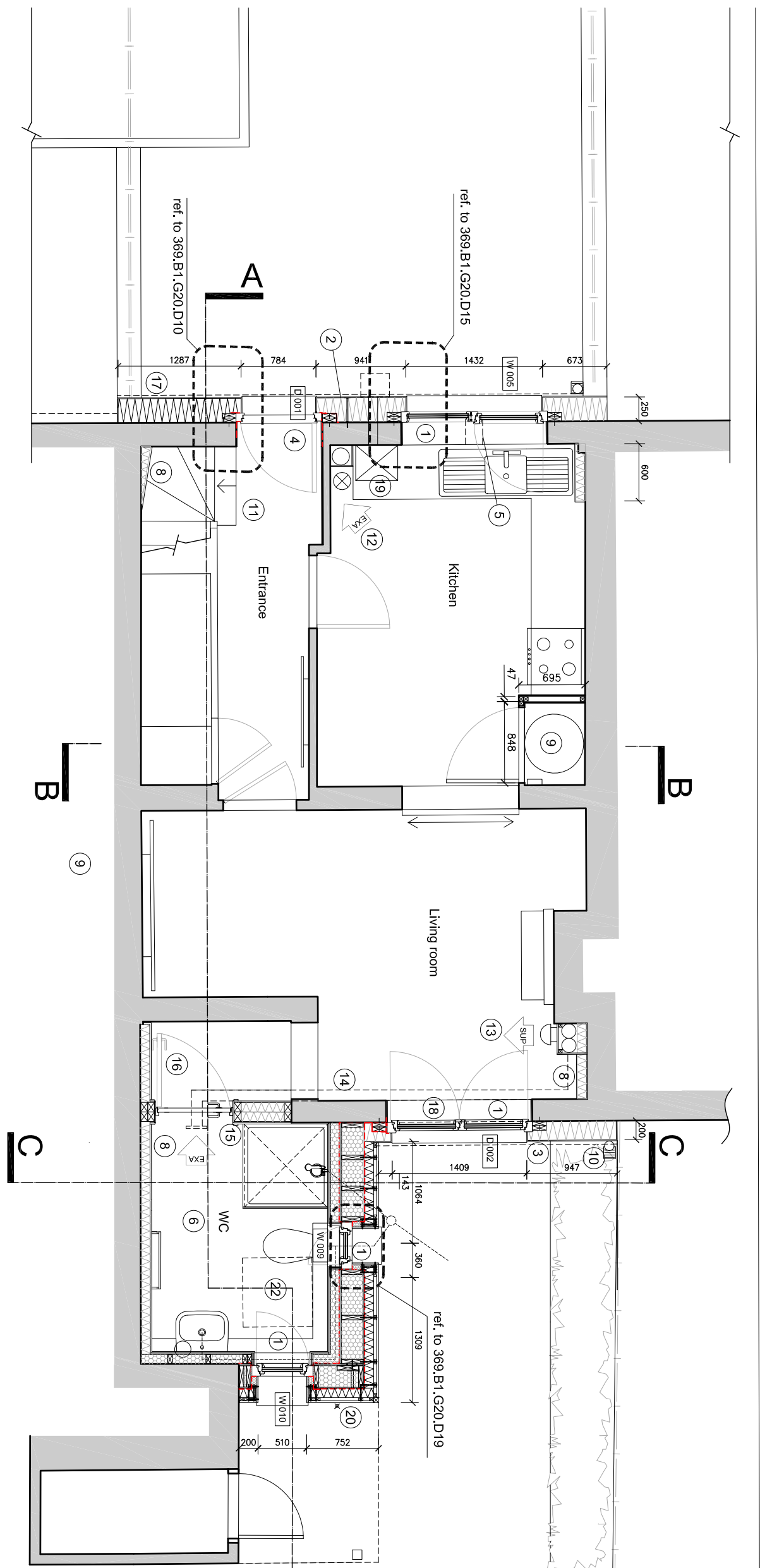
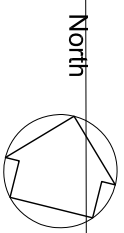
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Project Drawing Rev

**0369.B3.G20.S01 A**





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- 1 NBS L10.225 New timber triple glazed Passivhaus windows with aluminum Guttman cills externally and new painted plywood cills and linings internally.
- 2 NBS M21.210A New PermaRock insulated render system PermaRock K-finish render on 250mm PermaRock EPS insulation boards - total build up 260mm.
- 3 NBS M21.210A New PermaRock insulated render system. PermaRock K-finish render on 200mm PermaRock EPS insulation boards. - total build up 210mm.
- 4 NBS L10.485 New timber triple glazed Passivhaus door with aluminum Guttman cills externally and new painted plywood cills and linings internally.
- 5 Existing air vent over window to be removed and wall made good.
- 6 New rear extension for second bathroom. Refer to drawing 369.B1.G40.P01

- 7 Existing gas meter box relocated
- 8 NBS P10.200A 100mm NBT Pavatex Pavadentro internal insulation bonded to existing plaster wall using a bonding mortar and 3 mechanical fixings per board. Bonding mortar 5mm thick average. New internal plaster 8mm thick = total build-up approx 110mm.
- 9 New cupboard to house - NBS S12.430 new Vaillant solar twin coil hot water cylinder.
- 10 Existing RWP and gully relocated to outer face of new insulation.
- 11 NBS P10.115 Vacupor 10mm Vacupor Insulation to ground floor
- 12 Kitchen Extract through ceiling.

- 13 NBS U90.506 New supply air to living room at ceiling level.
- 14 NBS U90.506 New extract air ductwork to rear extension within boxing out at ceiling level.
- 15 New timber stud wall with rockwool flexi infill to form doorway into rear extension.
- 16 NBS L20.410 New door into rear extension to contractor's choice.
- 17 Line (dotted line) of render above overhangs approx 25mm
- 18 Wall below existing windows removed to form new garden door opening.
- 19 NBS S12.310 Existing Vaillant boiler retained and converted to sealed system. Existing boiler flue removed. New flue to extend through PermaRock.
- 20 New garden tap
- 21 New planting
- 22 New Jones of Oswestry double sealed manhole with inset cover

Rev	Description	Date	By	Chk
A	First Issue	04.06.10	SIH	DC
B	Second Issue	03.02.11	SIH	DC
C	Third Issue	28.04.11	SIH	DC

**G20 GENERAL ARRANGEMENT**

**CONSTRUCTION ISSUE**

**Project:** 3 Passfield Drive  
London

**Subject:** Ground Floor Plan  
PROPOSED

**Scale:** 1:50 @ A3

**Date:** 09.09.10

**Project:** 3 Passfield Drive  
London

**Subject:** Ground Floor Plan  
PROPOSED

**Scale:** 1:50 @ A3

**Date:** 09.09.10

**Project:** 3 Passfield Drive  
London

**Subject:** Ground Floor Plan  
PROPOSED

**Scale:** 1:50 @ A3

**Date:** 09.09.10

**Project:** 3 Passfield Drive  
London

**Subject:** Ground Floor Plan  
PROPOSED

**Scale:** 1:50 @ A3

**Date:** 09.09.10

**Project:** 3 Passfield Drive  
London

**Subject:** Ground Floor Plan  
PROPOSED

**Scale:** 1:50 @ A3

**Date:** 09.09.10

**Project:** 3 Passfield Drive  
London

**Subject:** Ground Floor Plan  
PROPOSED

**Scale:** 1:50 @ A3

**Date:** 09.09.10

**Project:** 3 Passfield Drive  
London

**Subject:** Ground Floor Plan  
PROPOSED

**Scale:** 1:50 @ A3

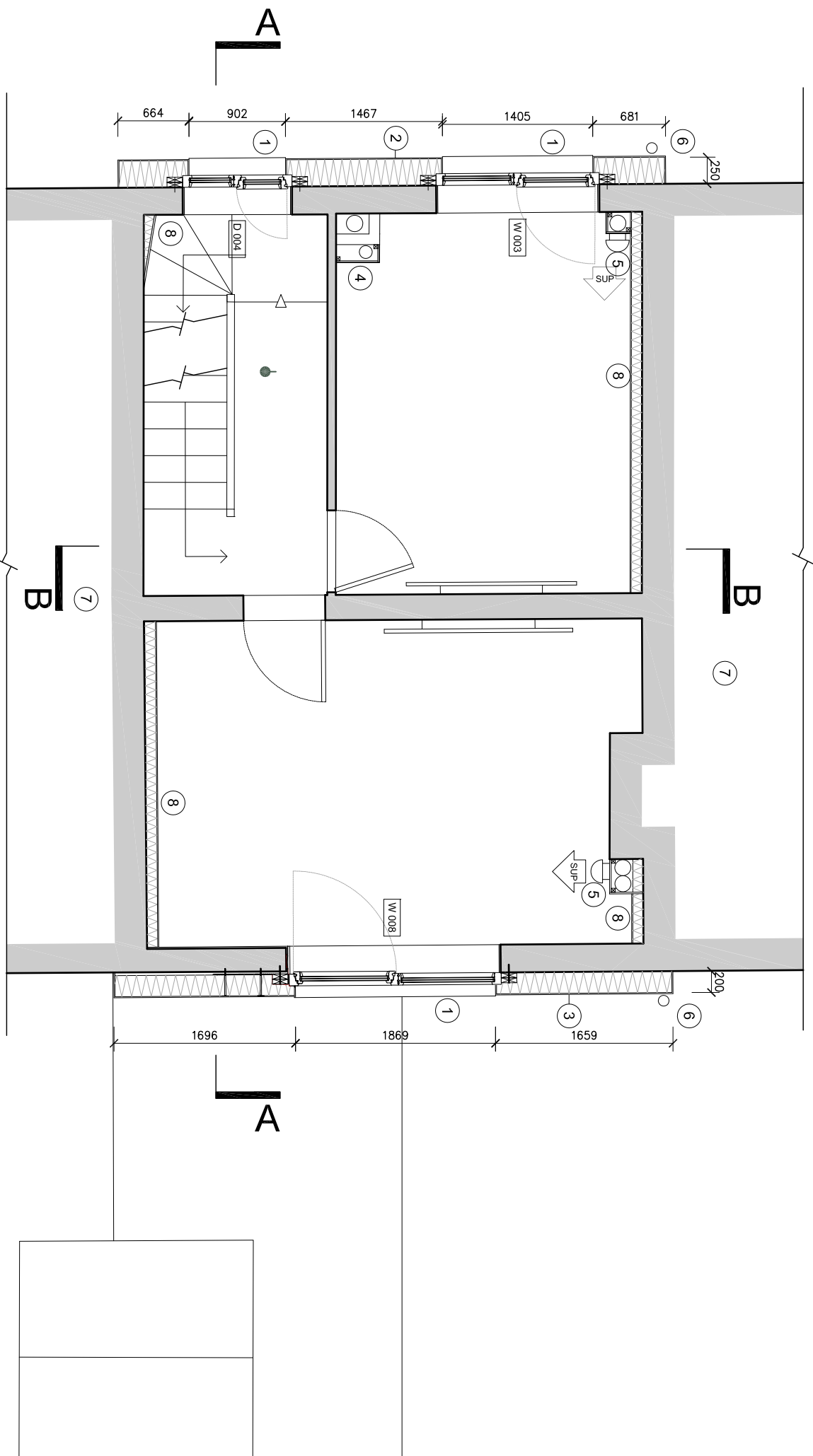
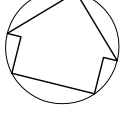
**Date:** 09.09.10

**Project:** 3 Passfield Drive  
London

**Subject:** Ground Floor Plan  
PROPOSED

**Scale:** 1:50 @ A3

**Date:** 09.09.10



- ① NBS L10.225  
New timber triple glazed Passivhaus windows with aluminium Guttman cills externally and new painted plywood cills and linings internally.
- ② NBS M21.210A  
New Permarock insulated render system  
PermaRock K-finish render on 250mm PermaRock EPS insulation boards - total build up 260mm.
- ③ NBS M21.210A  
New Permarock insulated render system.  
PermaRock K-finish render on 200mm PermaRock EPS insulation boards. - total build up 210mm.
- ④ NBS K10.205  
New boxing to house air extract duct and existing SVP
- ⑤ NBS U90.506  
Supply air through side of duct at ceiling level. New ductwork within boxing out to corner of room.
- ⑥ Existing RWP relocated to outer face of new insulation.
- ⑦ Neighbouring building
- ⑧ NBS P10.200A  
100mm NBT Pavatex Pavadentro internal insulation bonded to existing plaster wall using a bonding mortar 3 mechanical fixings per board. Bonding mortar 5mm thick average. New internal plaster 8mm thick = total build-up approx 110mm.



**REFER TO HEAT RECOVERY VENTILATION SYSTEM DESIGN FOR FULL DUCTWORK SPECIFICATION, DUCT DIAMETERS AND SOUND ATTENUATION REQUIREMENTS.**

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Rev	Description	Date	By	Chk
A	First Issue	04.06.10	SLH	DG
B	Second Issue	03.02.11	SLH	DG

## G20 GENERAL ARRANGEMENT

**CONSTRUCTION ISSUE**

**Project:** 3 Passfield Drive  
London

**Subject:** First Floor Plan  
PROPOSED

**Scale:** 1:50 @ A3

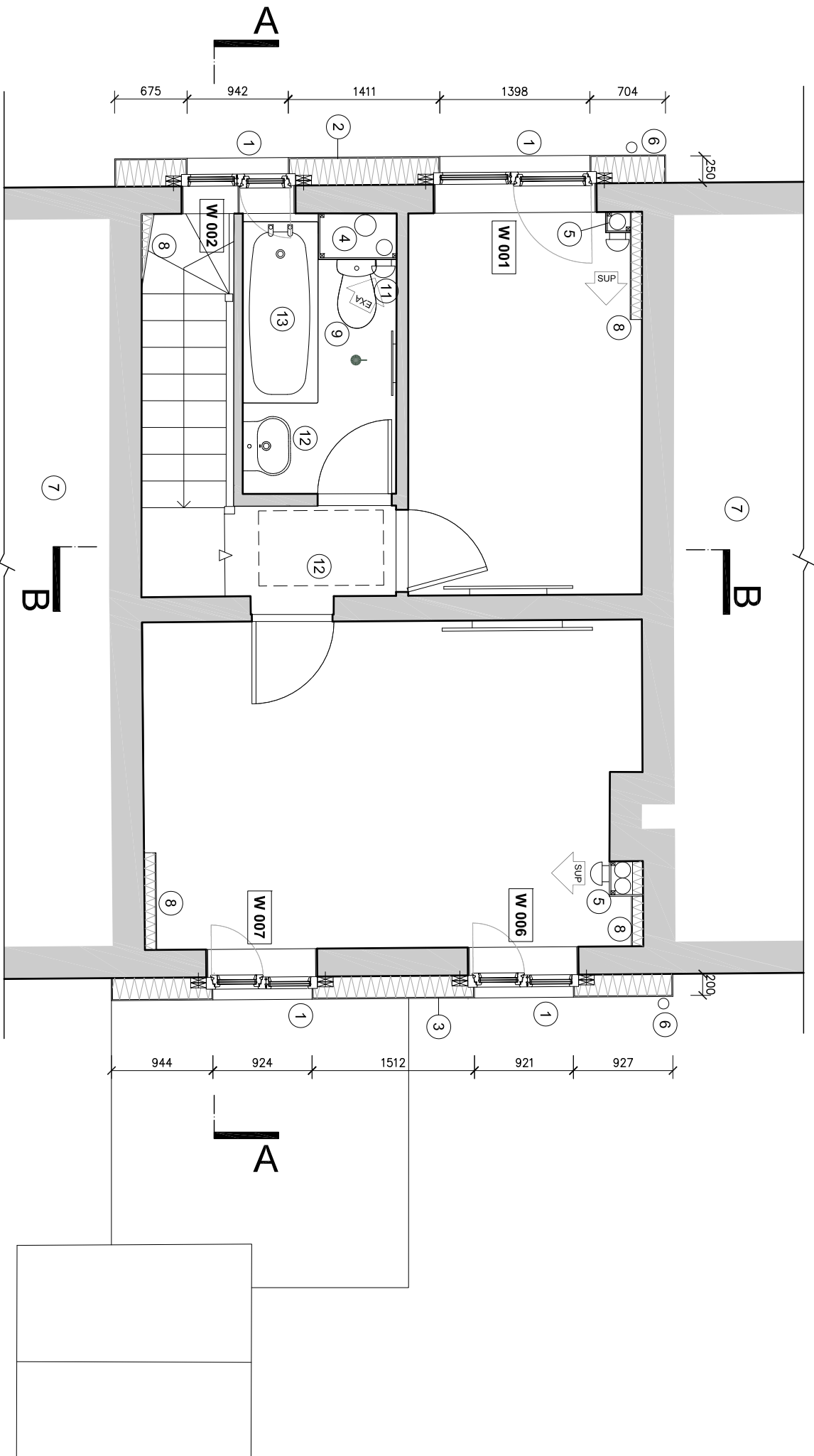
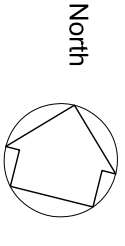
**Date:** 04.06.10

**bere:architects**

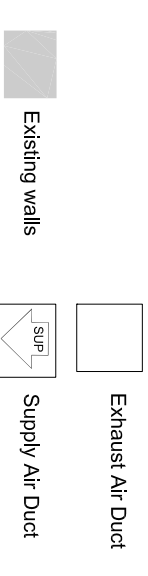
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Project Drawing Rev

**0369.B1.G20.P01 B**



- ① NBS L10.225  
New timber triple glazed Passivhaus windows with aluminium Guttman cills externally and new painted plywood cills and linings internally.
- ② NBS M21.210A  
New Permarock insulated render system  
PermaRock K-finish render on 250mm PermaRock EPS insulation boards - total build up 260mm.
- ③ NBS M21.210A  
New Permarock insulated render system.  
PermaRock K-finish render on 200mm PermaRock EPS insulation boards. - total build up 210mm.
- ④ NBS K10.205  
New enlarged boxing to house air extract duct and existing SVP.
- ⑤ NBS U90.506  
Supply air through side of duct at ceiling level. New ductwork within boxing out to corner of room.
- ⑥ Existing RWP relocated to outer face of new insulation.
- ⑦ Neighbouring building
- ⑧ NBS P10.200A  
100mm NBT Pavatex Pavadentro internal insulation bonded to existing plaster wall using a bonding mortar 3 mechanical fixings per board. Bonding mortar 5mm thick average. New internal plaster 8mm thick = total build-up approx 110mm.
- ⑨ NBS N13.300 New Twyford Alcona WC
- ⑩ New Wellhofer airtight loft hatch above.  
Refer to detail drawings 396.B1.G20.D12+D13.
- ⑪ NBS U90.380 Extract in ceiling
- ⑫ NBS N13.335 New Twyford Alcona 600 wash basin with low flow taps
- ⑬ NBS N13.335 New Twyford Neptune 1700 x 700 bath



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Rev	Description	Date	By	Chk
A	First Issue	17.10.10	SLH	DG
B	Second Issue	03.02.11	SLH	DG

## G20 GENERAL ARRANGEMENT

**CONSTRUCTION ISSUE**

### Project:

3 Passfield Drive  
London

### Subject:

Second Floor Plan  
PROPOSED

### Scale:

1:50 @ A3

### Date:

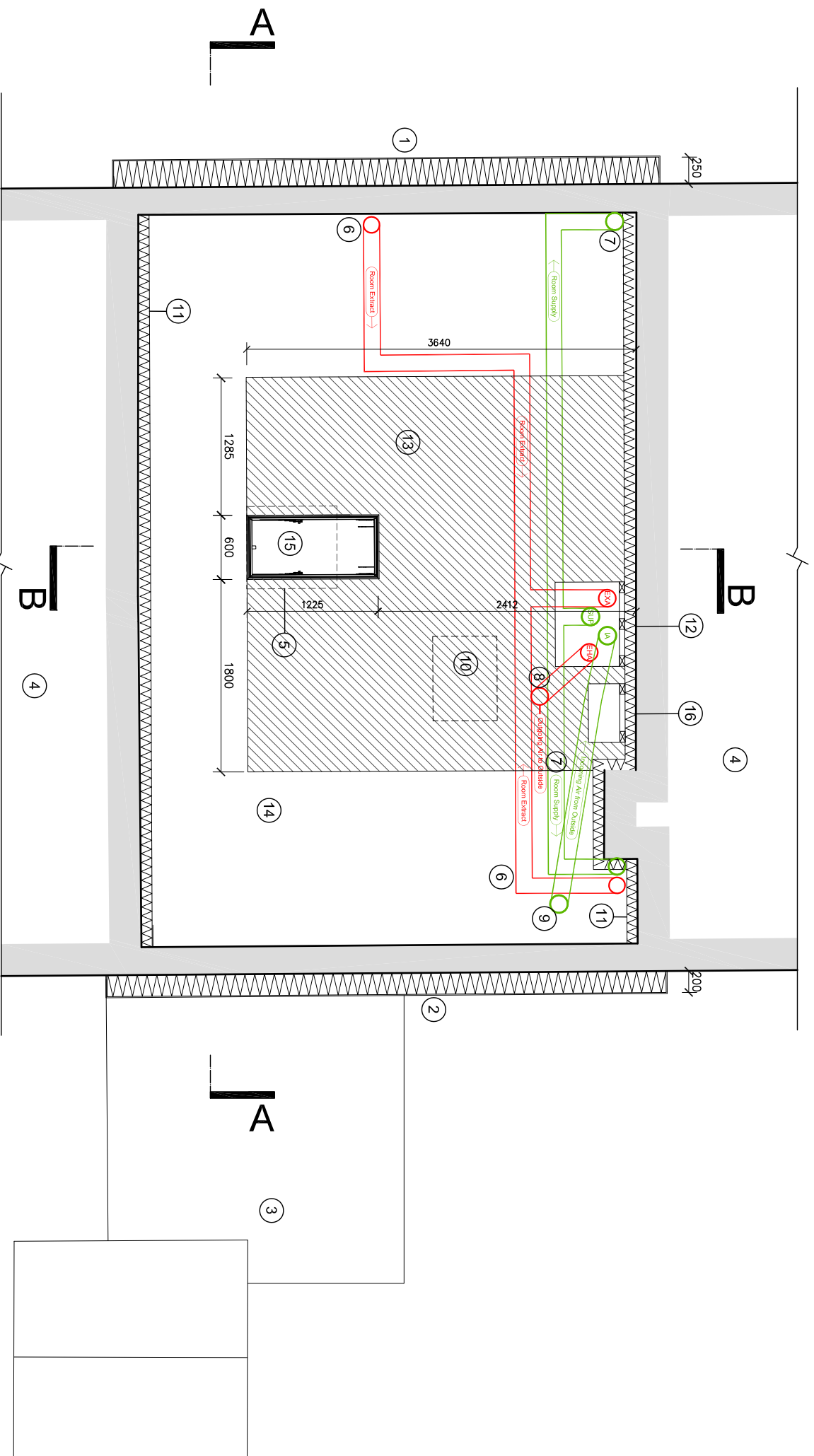
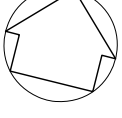
04.06.10

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Project Drawing

**0369.B1.G20.P02 B**



- ① NBS M21.210A PermaRock insulated render system. PermaRock K-finish render on 250mm PermaRock EPS insulation boards - total build up 260mm.
- ② NBS M21.210A New PermaRock insulated render system. PermaRock K-finish render on 200mm PermaRock EPS insulation boards. - total build up 210mm.
- ③ New extension below
- ④ Neighbouring building.
- ⑤ Existing loft hatch to be removed.
- ⑥ NBS U90 New extract ductwork from bathrooms and kitchen. Refer to service engineers drawings
- ⑦ NBS U90 New supply ductwork to living rooms and bedrooms. Refer to service engineers drawings
- ⑧ NBS U90.510 Exhaust ducts vertical through roof. Refer to service engineers drawings
- ⑨ NBS U90.320 Intake ducts through roof. Refer to service engineers drawings
- ⑩ Existing water tank removed.
- ⑪ NBS P10.200A 100 mm NBT Pavatex Pavadentro internal insulation to party walls.
- ⑫ NBS U90.415 New Paul Novus 300 MVHR fixed to partition wall
- ⑬ NBS P10.130A New 18mm OSB deck fixed to provide access for MVHR. Deck to be built off existing attic timber floor structure allowing for insulation below.
- ⑭ NBS P10.130A 200mm Knaufl insulation on top of existing 290mm of mineral wool insulation.
- ⑮ NBS L20.630A New Wellhofer airtight loft hatch to formed enlarged opening. Opening to be formed with S/W joist trimmers.
- ⑯ NBS S12.450/460 Solar controls and pump station for solar panel.

- Existing walls
  - New access deck to loft
- |                              |
|------------------------------|
| IA = INTAKE AIR FROM OUTSIDE |
| SUP = SUPPLY AIR TO ROOMS    |
| EXA = EXTRACT AIR FROM ROOMS |
| EHA = EXHAUST AIR TO OUTSIDE |

**ALL DUCTWORK WITHIN THE LOFT (OUTSIDE THERMAL ENVELOPE) TO BE INSULATED WITH CLOSED CELL ARMAFLEX INSULATION. REFER TO ALAN CLARKE'S DESIGN AND SPECIFICATION FOR FULL INSULATION DETAILS.**

**REFER TO HEAT RECOVERY VENTILATION SYSTEM DESIGN FOR FULL DUCTWORK SPECIFICATION, DUCT DIAMETERS AND SOUND ATTENUATION REQUIREMENTS.**

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Rev	Description	Date	By	Chk
A	First Issue	17.09.10	SLH	DC
B	Second Issue	03.02.11	SLH	DC

## G20 GENERAL ARRANGEMENT

CONSTRUCTION ISSUE

**Project:** 3 Passfield Drive  
London

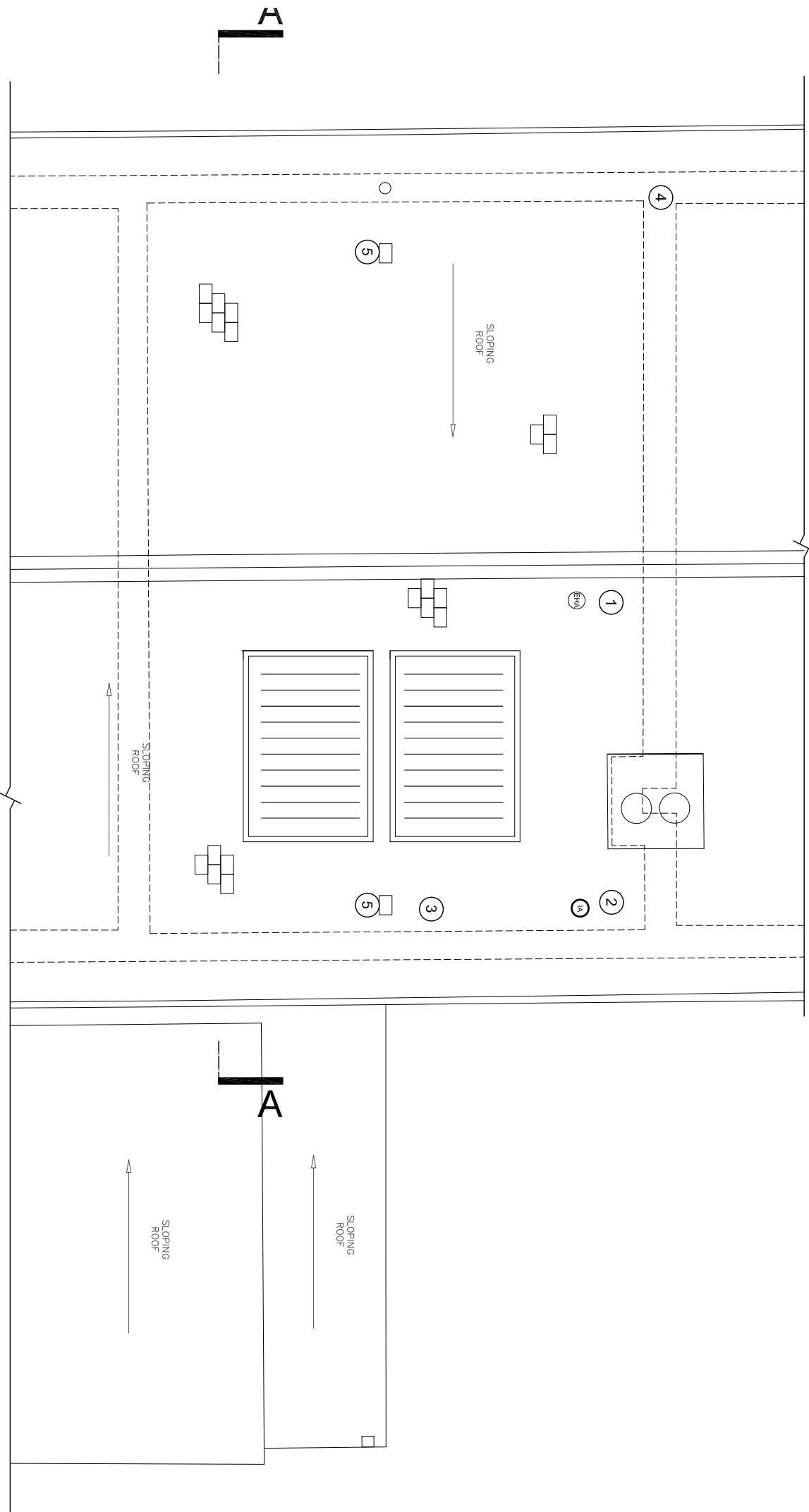
**Subject:** Attic Floor Plan  
PROPOSED

**Scale:** 1:50 @ A3

**Date:** 17.09.10

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- ① NBS U90.510  
EHA - Exhaust Air duct through roof.
- ② NBS U90.320  
IA - Intake Air duct through roof.
- ③ 2no. Solar Panels - autoTHERM plus VFK 150V for hot water heating.
- ④ Brick wall beneath roof
- ⑤ Tile vent

IA = INTAKE AIR FROM OUTSIDE  
EHA = EXHAUST AIR TO OUTSIDE

REFER TO HEAT RECOVERY VENTILATION SYSTEM DESIGN FOR FULL DUCTWORK SPECIFICATION, DUCT DIAMETERS AND SOUND ATTENUATION REQUIREMENTS.

Rev	Description	Date	By	CHK
A	First Issue	13.10.10	RW	DC
B	Second Issue	03.02.11	SH	DC

- 1 Use figured dimensions only
- 2 Do not scale from this drawing
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## G20 GENERAL ARRANGEMENT

**CONSTRUCTION ISSUE**

**Project:** 3 Passfield Drive  
London

**Subject:** Roof Plan  
PROPOSED

**Scale:** 1:50 @ A3

**Date:** 15.11.10

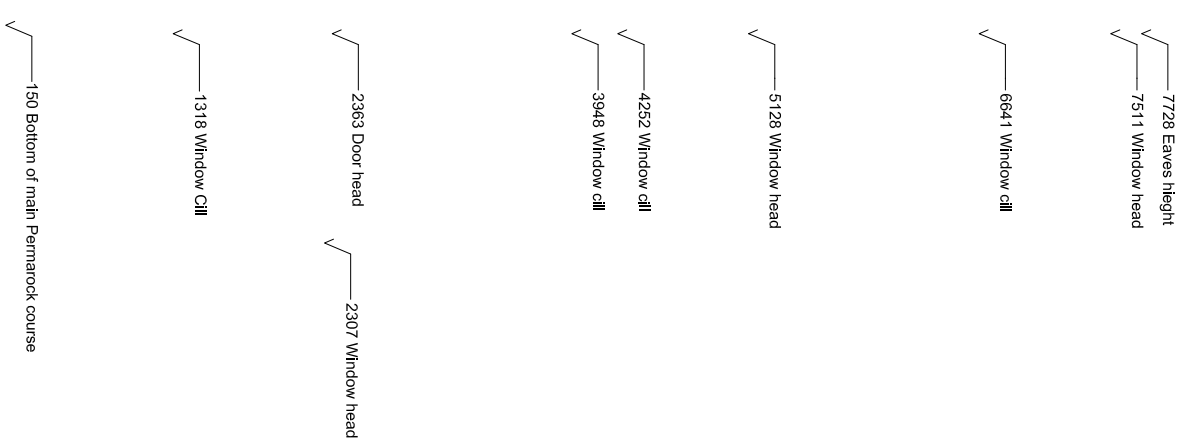
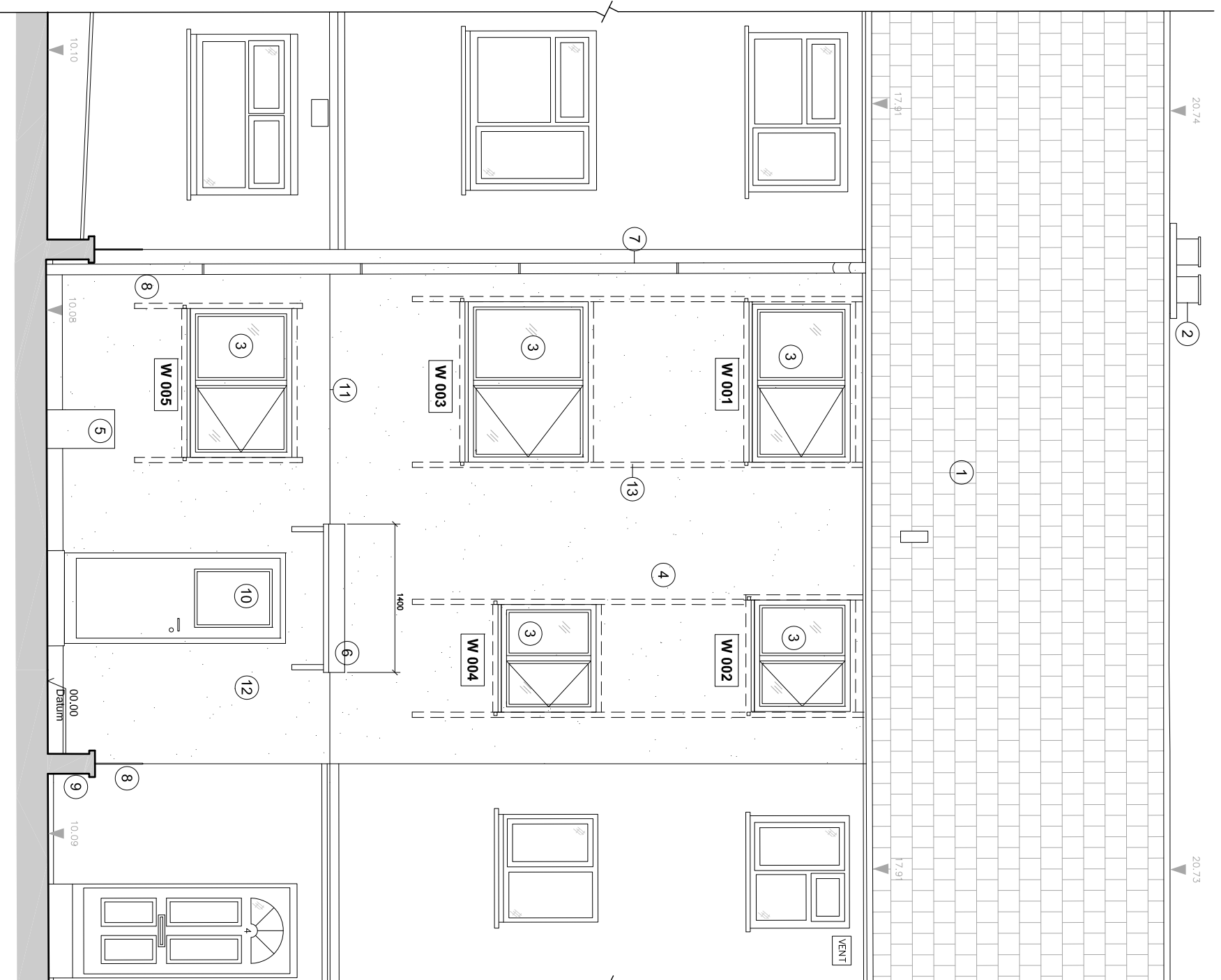
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Project Drawing Rev

**0369.B1.G20.P04 B**





- ① Existing Tiles
- ② Brick chimneys insulated in loft only
- ③ New timber triple glazed Passivhaus windows NBS L10.225 with new painted timber cills and linings NBS P20.235 internally. Aluminum Guttman cills externally.
- ④ NBS M21.210A New Permarock insulated render system Permarock onto pebbledash with rough K-finish render. 250mm Permarock EPS insulation boards - total build up 265mm.
- ⑤ Gas meter in new gas meter box
- ⑥ New timber canopy with lead flashing and gutter to discharge to extended gully
- ⑦ Relocated RWP
- ⑧ Existing metal fence retained and adjusted to suit extra insulation
- ⑨ Brick garden wall retained and adjusted to suit 265mm Permarock
- ⑩ NBS L10.485 New timber triple glazed Passivhaus door with new painted timber cills and linings NBS P20.235
- ⑪ Step in render
- ⑫ NBS M21.210A New Permarock insulated render system Permarock onto brick, smooth K-finish render. 250mm Permarock EPS insulation boards - total build up 265mm.
- ⑬ NBS G20.210 Timber stud frame to outside face of wall to fix new passivhaus windows to existing wall within external insulation

Rev	Description	Date	By	Chk
A	First Issue	04.06.10	SH	DC
B	Second Issue	03.02.11	SH	DC

- 1 Use figured dimensions only
- 2 Do not scale from this drawing
- 3 All dimensions to be checked on site and the Architect to be informed of any discrepancies before construction commences
- 4 All references to drawings refer to current revision of that drawing
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- 6 All work and materials to be in accordance with current applicable statutory legislation and to comply with all relevant codes of practice and British and European standards

## G20 GENERAL ARRANGEMENT

**CONSTRUCTION ISSUE**

**Project:** 3 Passfield Drive  
London

**Subject:** Front Elevation  
PROPOSED

**Scale:** 1:50 @ A3

**Date:** 10.09.10

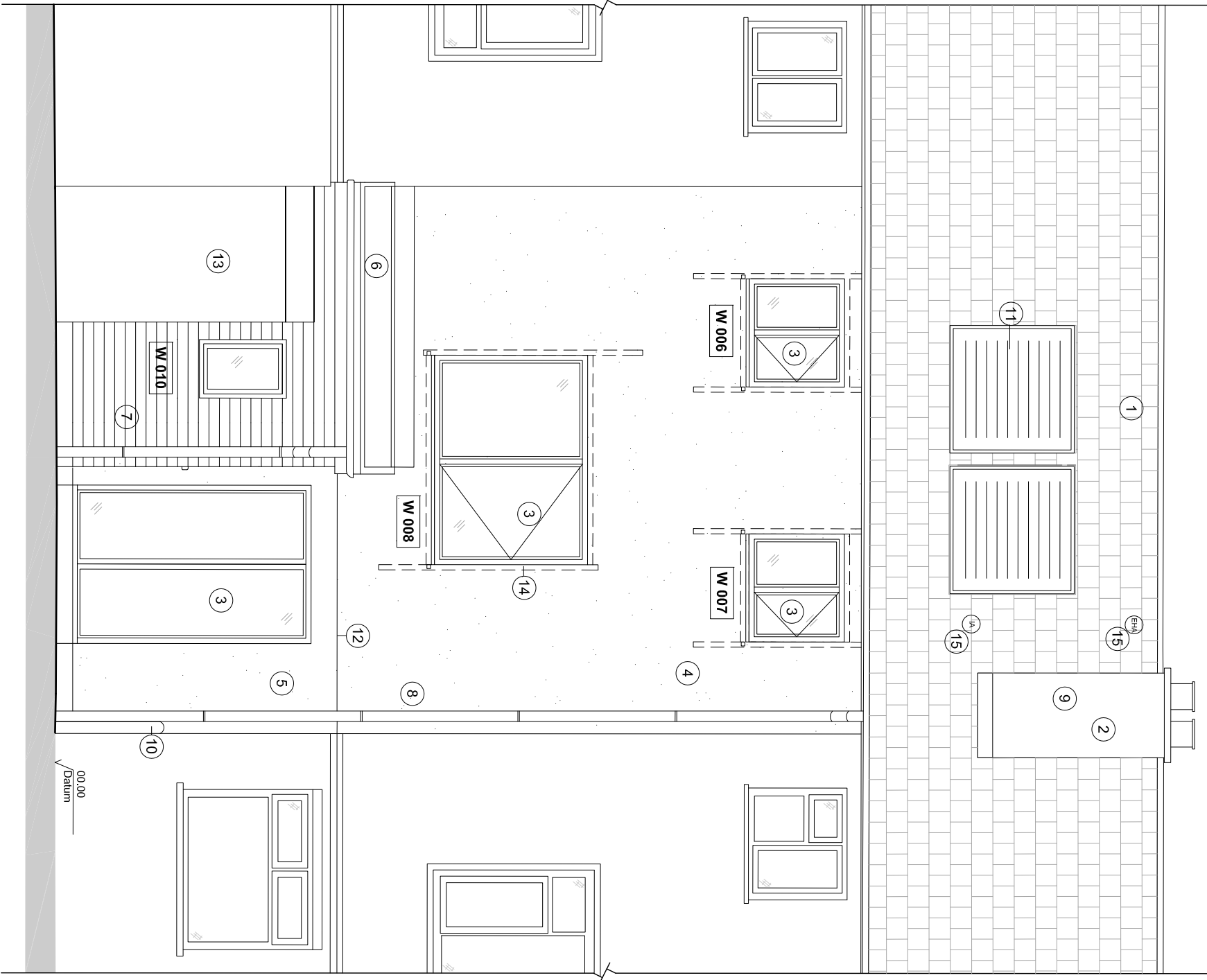
**Project:** Drawing

**Rev**

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**0369.B1.G20.E00 B**



- ① Existing roof Tiles
- ② Brick chimneys insulated in loft only
- ③ New timber triple glazed Passivhaus windows NBS L10.225 with new painted timber cills and linings NBS P20.235 Internally. Aluminium Guttman cills externally.
- ④ NBS M21.210A New PermaRock insulated render system PermaRock onto pebbledash rough K-finish render. 200mm PermaRock EPS insulation boards. - total build up 215mm.
- ⑤ NBS M21.210A New PermaRock insulated render system PermaRock onto Brick smooth K-finish render. 200mm PermaRock EPS insulation boards. - total build up 215mm
- ⑥ NBS J42.110 Samafil membrane refer to drawing D05
- ⑦ New timber extension clad with NBS H21.120 20mm thk Horizontal British Larch cladding fixed with stainless steel nails.
- ⑧ Relocated RWMP
- ⑨ NBS U90.510 intake to heat recovery ventilation unit behind chimney
- ⑩ Existing fence moved and reinstated to accommodate external insulation
- ⑪ 2 no. Solar hot water panels NBS.S12.440
- ⑫ Step in render
- ⑬ Existing shed
- ⑭ NBS G20.210 Timber stud frame to outside face of wall to fix new passivhaus windows to existing wall within external insulation
- ⑮ NBS U90.520 exhaust and intake to HRVU

- 7691 Eaves height
- 7451 Window head
- 6581 Window cill
- 5071 Window head
- 3581 Window cill
- 2384 Door head
- 150 Bottom of main PermaRock course

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Rev	Description	Date	By	CHK
A	First Issue	04.06.10	SLH	DC
B	Second Issue	03.02.11	SLH	DC

## G20 GENERAL ARRANGEMENT

**CONSTRUCTION ISSUE**

**Project:** 3 Passfield Drive  
London

**Subject:** Rear Elevation  
PROPOSED

**Scale:** 1:50 @ A3

**Date:** 09.09.10

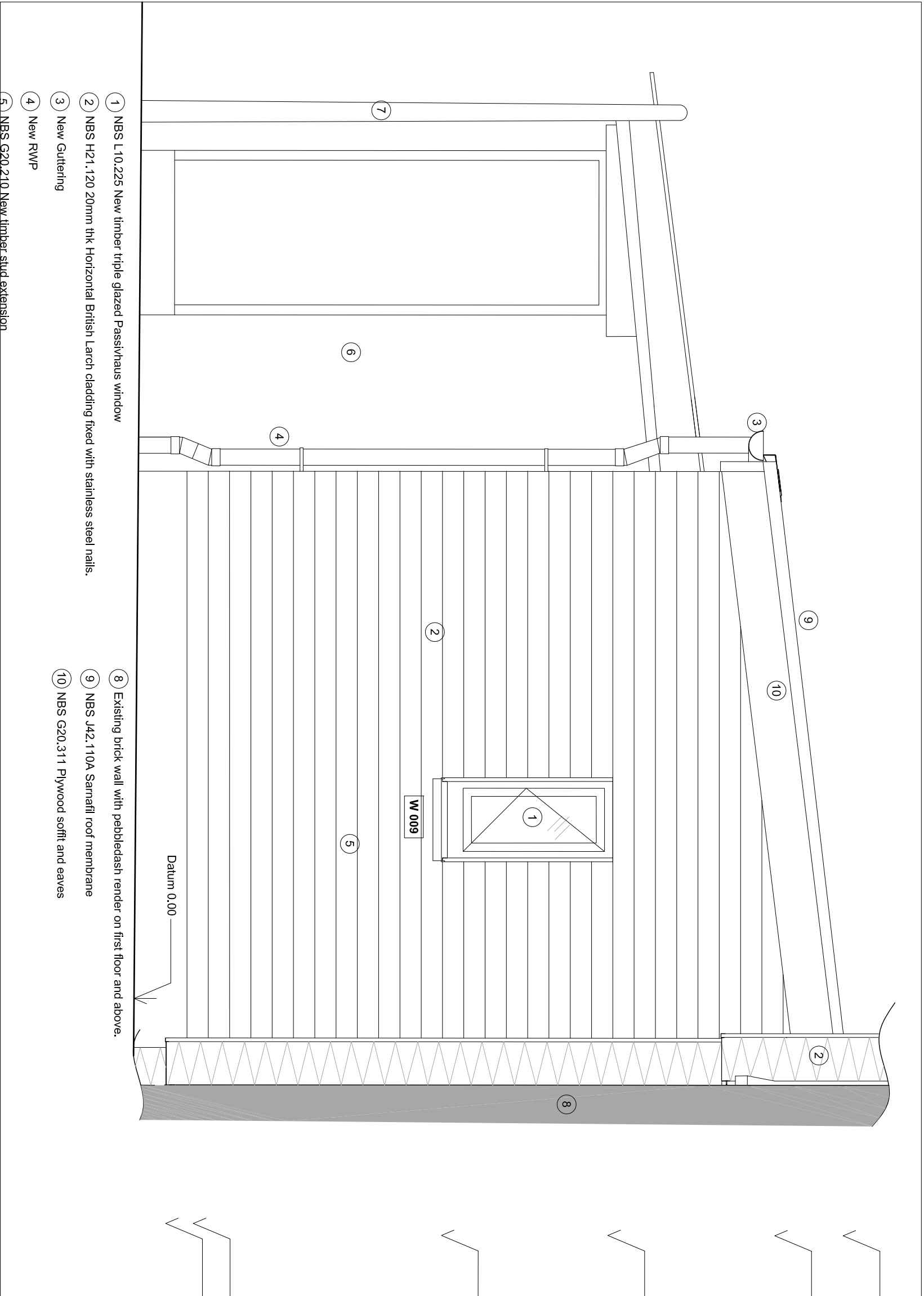
**Project:** Drawing

**Rev**

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**0369.B1.G20.E01 B**



- ① NBS L10.225 New timber triple glazed Passivhaus window
- ② NBS H21.120 20mm thk Horizontal British Larch cladding fixed with stainless steel nails.
- ③ New Guttering
- ④ New RWP
- ⑤ NBS G20.210 New timber stud extension
- ⑥ Existing shed
- ⑦ Existing concrete post

- ⑧ Existing brick wall with pebbledash render on first floor and above.
- ⑨ NBS J42.110A Samafil roof membrane
- ⑩ NBS G20.311 Plywood soffit and eaves

- 3330 Highest point of pitched roof
- 3010 Bottom of pitched roof
- 2227 Window head
- 1437 Window cill
- 160 Top of slab to extension
- 150 Bottom of main Permarock course

- 1 Use figured dimensions only
- 2 Do not scale from this drawing
- 3 All dimensions to be checked on site and the Architect to be informed of any discrepancies before construction commences
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Rev	Description	Date	By	Chk
A	First issue	19.09.10	SLH	DC
B	Second issue	03.02.11	SLH	DC

## G20 GENERAL ARRANGEMENT

**CONSTRUCTION ISSUE**

**Project:** 3 Passfield Drive  
London

**Subject:** Extension Elevation  
Proposed

**Scale:** 1:20 @ A3

**Date:** 17.09.10

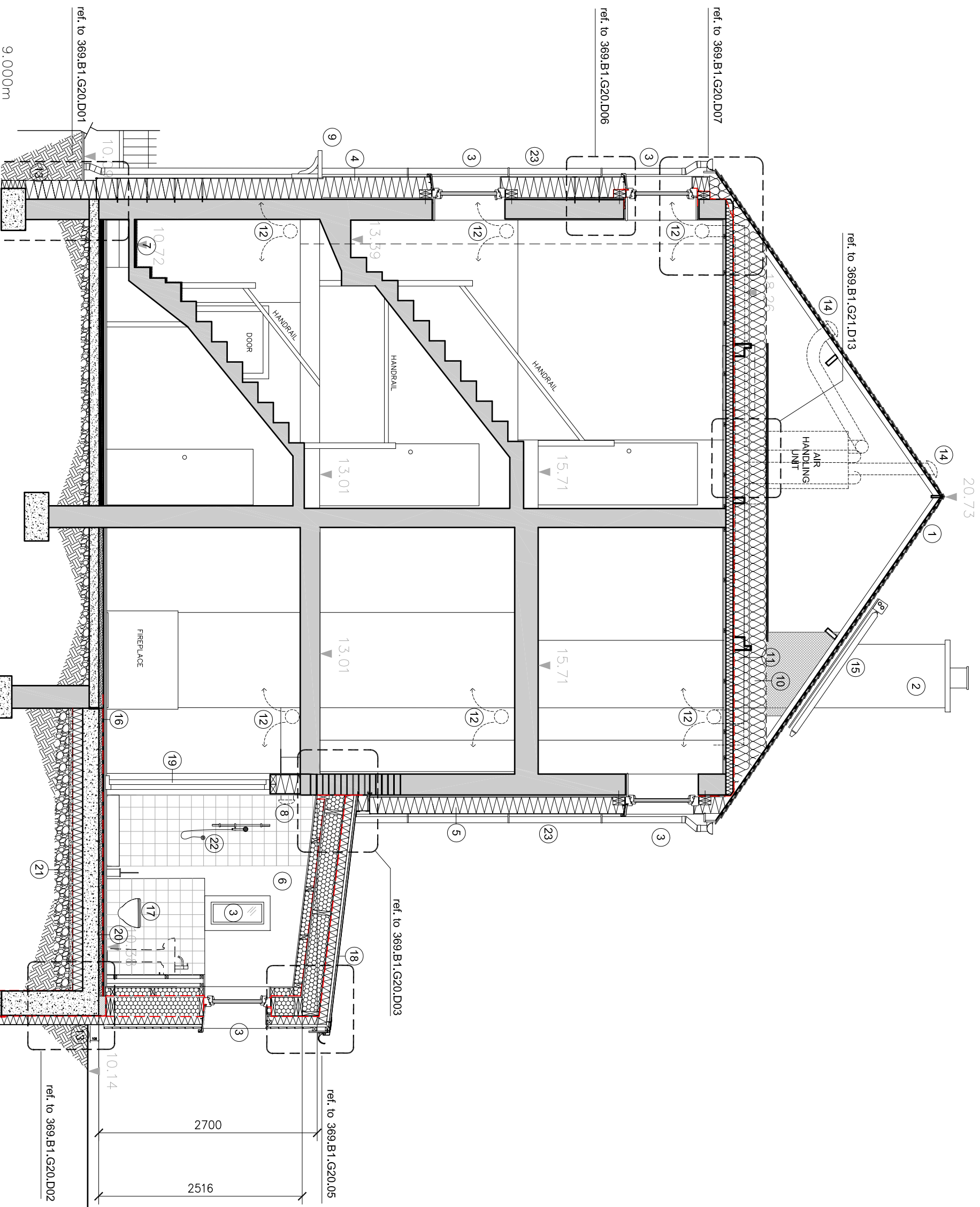
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Project Drawing Rev

**0369.B1.G20.E02 B**





- 1 NBS H60.210 Existing tiles. Remove tiles at eaves and retain for later use
- 2 Existing brick chimney internally insulated in loft space
- 3 NBS L10.225 New timber triple glazed Passivhaus windows with new painted timber cills and linings internally. Gutterman cills externally
- 4 NBS M21.210A New PermaRock insulated render system PermaRock K-finish render. 250mm PermaRock EPS insulation boards - total build up 265mm.
- 5 NBS M21.210A New PermaRock insulated render system PermaRock K-finish render. 200mm PermaRock EPS insulation boards - total build up 215mm.
- 6 New timber stud extension
- 7 Steps adjusted to accommodate new floor finishes
- 8 Extract fan at ceiling level
- 9 New timber door canopy
- 10 NBS P10.130A 200mm of new Knaufl insulation on top of 290mm existing mineral wool insulation
- 11 Existing 290mm mineral wool insulation
- 12 NBS U90.506 New supply air ducts. Note penetrations through airtightness membrane to be correctly sealed following installation
- 13 Floorplate external insulation below ground level. XPS waterproof boards.
- 14 NBS U90 Exhaust and intake for heat recovery ventilation unit
- 15 NBS S12.440 Solar Collector
- 16 NBS P10.115 10mm Vacuapor insulation laid onto floor slab with 18mm 4mm foam sheeting ontop and below. OSB protection boards above
- 17 NBS N13.300 New wall mounted dual flush WC
- 18 New Sarnafil roof finish
- 19 New door contractors choice
- 20 NBS Q21.140 200mm new floor slab with 50mm screed with 15mm finishes
- 21 NBS P10.120A New 300mm Floorplate underfloor insulation
- 22 NBS N13.375 New Twyford Twylite shower
- 23 RWP relocated

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Rev	Description	Date	By	Chk
A	First Issue	14.06.10	SHH	DC
B	Second Issue	03.02.11	SHH	DC
C	Second Issue	09.02.11	SHH	DC

- 1 Use figured dimensions only
- 2 Do not scale from this drawing
- 3 All dimensions to be checked on site and the Architect to be informed of any discrepancies before construction commences
- 4 All references to drawings refer to current revision of that drawing
- 5 Structural and services information shown is indicative only. Refer to consultants drawings for details and setting out
- 6 All work and materials to be in accordance with current applicable statutory legislation and to comply with all relevant codes of practice and British and European standards

**G20 GENERAL ARRANGEMENT**

**CONSTRUCTION ISSUE**

**Project:** 3 Passfield Drive  
London

**Subject:** Section AA  
PROPOSED

**Scale:** 1:50 @ A3

**Date:** 14.06.10

**Project:** Drawing

**Rev**

**Project:** Drawing

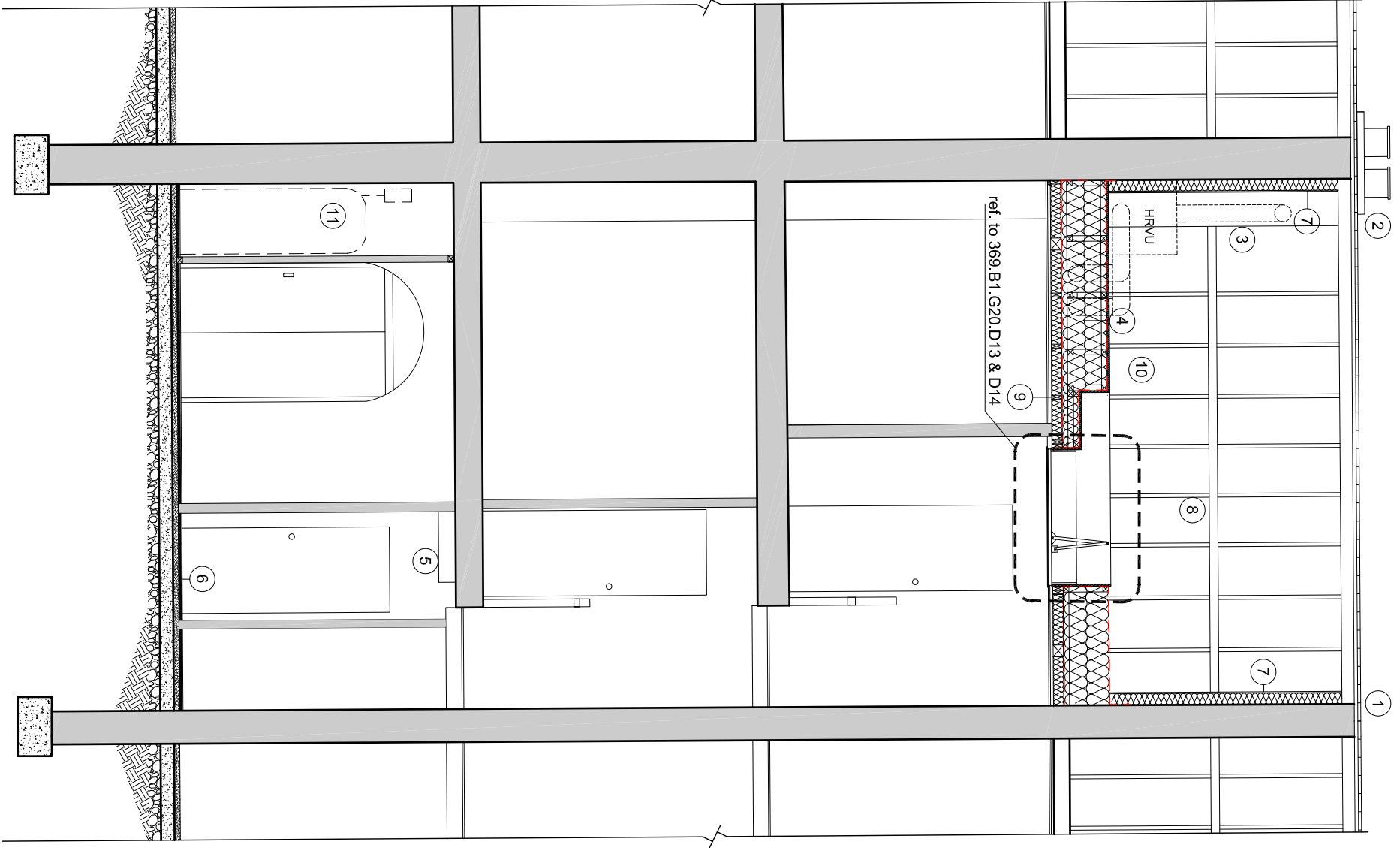
**Rev**

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**0369.B1.G20.S00**

**C**



Assumed foundation depth

- 1 Existing roof tiles
- 2 Existing brick chimney
- 3 NBS P10.200A 150 mm Pavatex Pavadentro around existing chimney breast insulated
- 4 NBS P10.130A New 200mm Krauf insulation on top of 290mm of existing mineral wool insulation
- 5 NBS U90.506 New Extract air to rear extension within boxing out at ceiling level.
- 6 NBS P10.115 10mm Vacupor insulation laid onto floor slab with 4mm foam sheeting laid below and on top of vacupor. 18mm OSB NBS K11 335 protection boards above
- 7 NBS P10.200 New 100mm Pavatex Pavadentro against neighbouring walls
- 8 Existing rafters (indicative)
- 9 Existing joists
- 10 NBS U90.415 New Paul Novus 300 HRVU
- 11 NBS S12.430 New Vaillant twin coil solar water cylinder
- 11 Step formed to edge of loft hatch

Existing building

Rev	Description	Date	By	CHK
A	First Issue	04.02.11	SLH	DC

- 1 Use figured dimensions only
- 2 Do not scale from this drawing
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- 4 All references to drawings refer to current revision of that drawing
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# G20 GENERAL ARRANGEMENT

**CONSTRUCTION ISSUE**

**Project:** 3 Passfield Drive  
London

**Subject:** Section BB  
PROPOSED

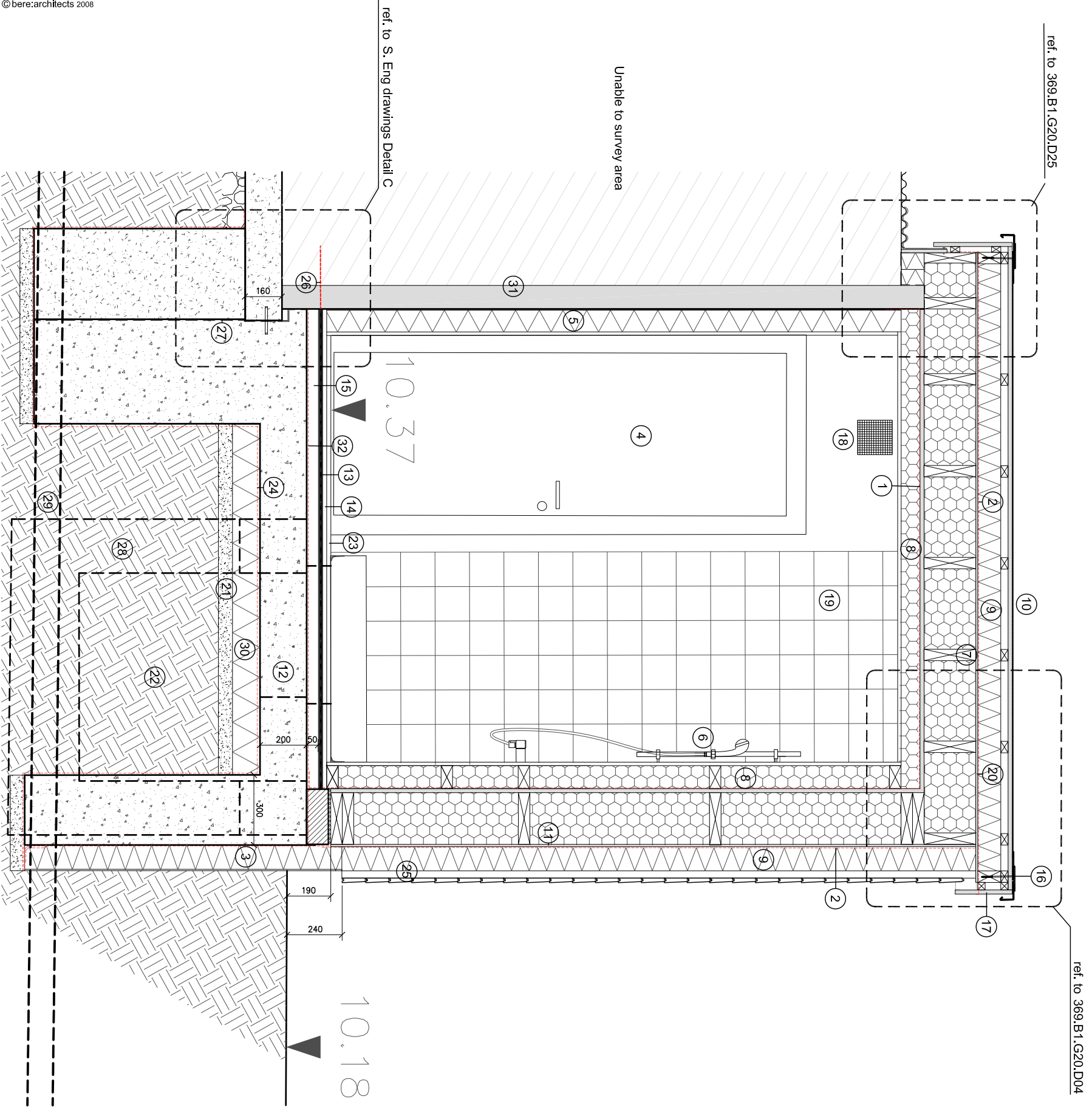
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**Date:** 22.09.10

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Project Drawing Rev

**0369.B1.G20.S01 A**



ref. to 369.B1.G20.D25

ref. to 369.B1.G20.D04

Unable to survey area

ref. to S. Eng drawings Detail C

10.37

10.18

- 1 Use figured dimensions only
- 2 Do not scale from this drawing
- 3 All dimensions to be checked on site and the Architect to be informed of any discrepancies before construction commences
- 4 All references to drawings refer to current revision of that drawing
- 5 Structural and services information shown is indicative only. Refer to consultants drawings for details and setting out
- 6 All work and materials to be in accordance with current applicable statutory legislation and to comply with all relevant codes of practice and British and European standards

Rev	Description	Date	By	Chk
A	First Issue	14.06.10	SIH	DC
B	Second Issue	03.02.11	SIH	DC

## G20 GENERAL ARRANGEMENT

**CONSTRUCTION ISSUE**

**DOTTED RED LINES INDICATE POSITION OF MEMBRANES OR INJECTED DPC. SEE KEY AND NOTES FOR DETAILS.**

- ① NBS P10.315 Pro cirna Intello Plus air-tightness membrane.
- ② NBS P10.315A Solitex membrane
- ③ 100mm Floormate external insulation below ground level. XPS waterproof boards with Eternit board bonded to face, RAL tbc.
- ④ NBS L20.410 New timber door contractors choice.
- ⑤ NBS P10.200A 200mm NBT Pavatex Pavadentro internal insulation and finishes
- ⑥ NBS N13.375 New Twyford Twyllite shower
- ⑦ NBS G20 225mm x 50mm s/w timber rafters, untreated, with Knauf Frametherm fitted between studs NBS P10.210
- ⑧ NBS G20 100 x 50 mm s/w timber battens with Pavaflex wood fibre insulation between studs
- ⑨ NBS P10 100 mm Pavatherm Plus Wood fibre insulation, cut edges to be primed and taped in accordance with manufacturers instructions. Helifix by battens into timber studs.
- ⑩ NBS J42.110 Samafil Membrane
- ⑪ NBS K11.445 10mm Panelvent board with breather membrane to outer face.
- ⑫ NBS Q21.140 200mm raft foundations dowled into neighbouring foundations with mild steel dowels
- ⑬ NBS P10.115 10mm of Vacupor NT on top of screed with 4mm foam sheeling laid below and ontop of vacupor.
- ⑭ NBS K11.335 18mm OSB ontop of vacupor
- ⑮ 50mm screed
- ⑯ NBS J42.110 Samametal roof trim
- ⑰ NBS G20.311 New timber barge board and gutter
- ⑱ NBS U90 Extract vent
- ⑲ Tiles to southern housing specification
- ⑳ NBS K11.445 10mm PanelVent panel extending over insulation
- ㉑ 50mm sand blinding
- ㉒ Consolidated ground
- ㉓ Floor finishes to decent homes specification
- ㉔ DPC contractors choice to join to RIW LAC dressed down side of foundation.
- ㉕ NBS H21.115 32 x74mm s/w vertical counter battens, fixed through Pavatherm Plus insulation with Helifix InSkew600 stainless steel fixings
- ㉖ Injected DPC contractors choice
- ㉗ RIW applied to neighbouring foundations and underpinning
- ㉘ Existing inspection chamber built up to slab with new 600mm x 650mm manhole cover. Manhole cover finishes and insulation to match floor finishes and insulation
- ㉙ Existing drain
- ㉚ 120mm Floormate insulation
- ㉛ Existing brick wall
- ㉜ RIW LAC damp proof membrane applied to screed and to wall of neighbouring extension up to injected DPC

**Project:** 3 Passfield Drive  
London

**Subject:** Section CC  
PROPOSED

**Scale:** 1:20 @ A3

**Date:** 05.10.10

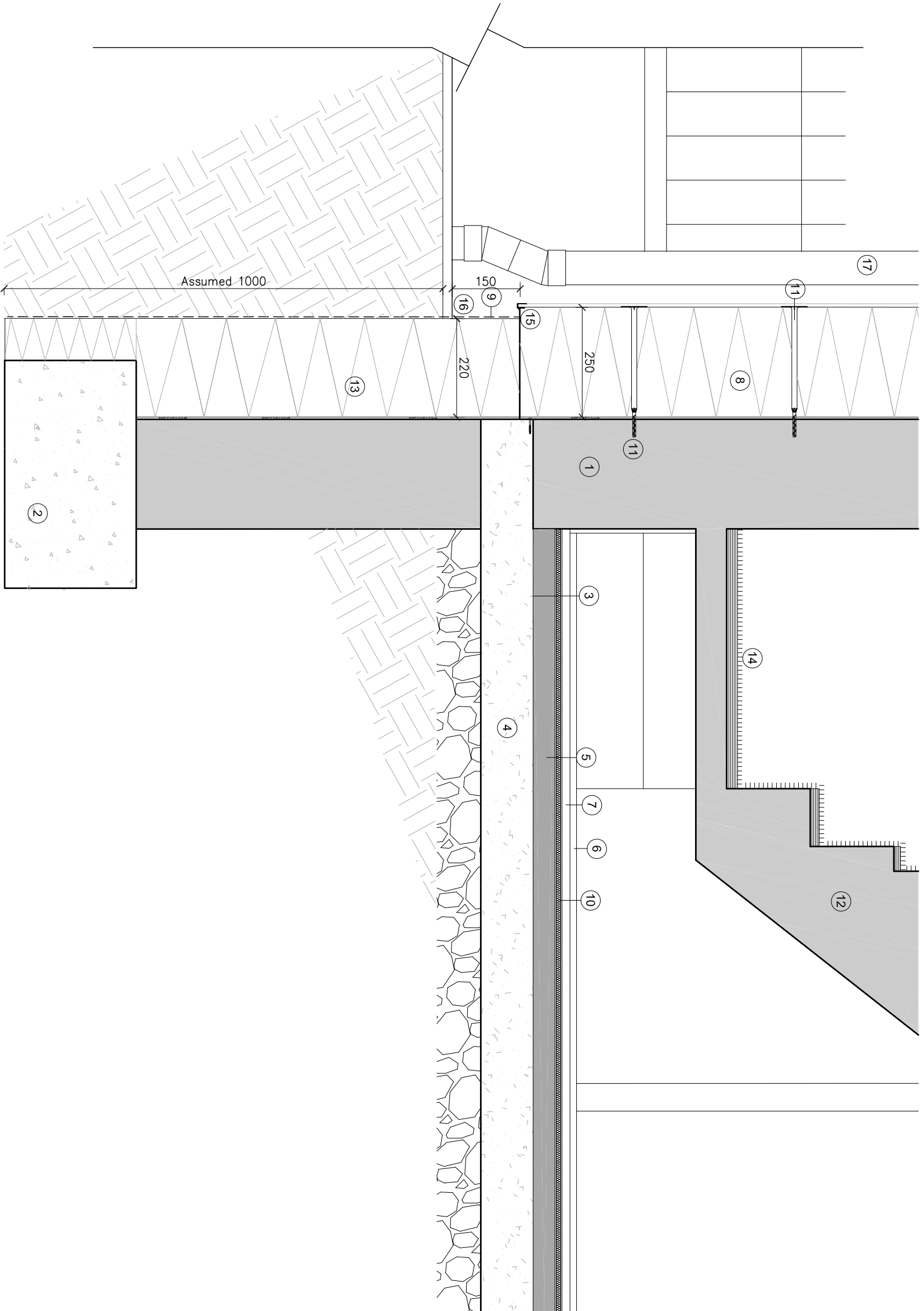
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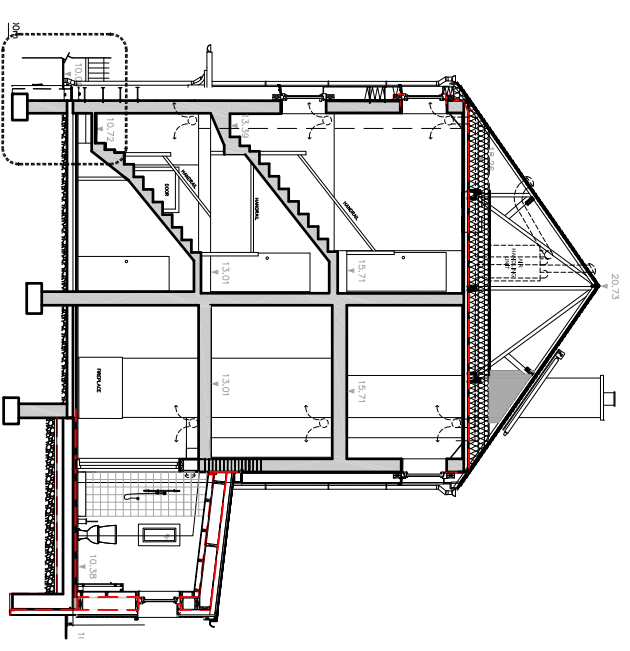
Project Drawing Rev

**0369.B1.G20.S02 B**





- 1 Existing solid brick wall
- 2 Existing concrete strip foundations (assumed)
- 3 Existing waterproof membrane
- 4 Existing 120mm concrete floor slab
- 5 Existing 50mm screed
- 6 Existing floor finishes (underlay & carpet) relayed
- 7 NBS K11.335 18mm OSB above Vacuumor
- 8 New PermaRock insulated render system PermaRock K-finish render, 250mm PermaRock EPS insulation boards NBS M21.210A. - total build up 265mm.
- 9 PermaRock CT-114 Waterproof adhesive coating applied over face of insulation and lapped over reinforced bedding mortar and decorative finish to min. 50mm above ground level
- 10 NBS P10.115 10mm of Vacuumor NT on top of screed with 4mm foam sheeting fixed to either side of vacuumor.
- 11 PermaRock fixing Indicative
- 12 Existing Staircase
- 13 NBS M21.215A PermaRock XPS below ground
- 14 Steps adjusted with plywood to accommodate new floor finishes
- 15 PermaRock starter track
- 16 NBS M21.215A. PermaRock Capatect heavy duty render to ground-wall junction.
- 17 RWP relocated to accommodate external insulation



Rev	Description	Date	By	CHK
A	First issue	03.02.11	SLH	DC

- 1 Use figured dimensions only
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## G20 General Arrangement

CONSTRUCTION ISSUE

**Project:** 3 Passfield Drive  
London

**Subject:** Foundation Detail  
PROPOSED

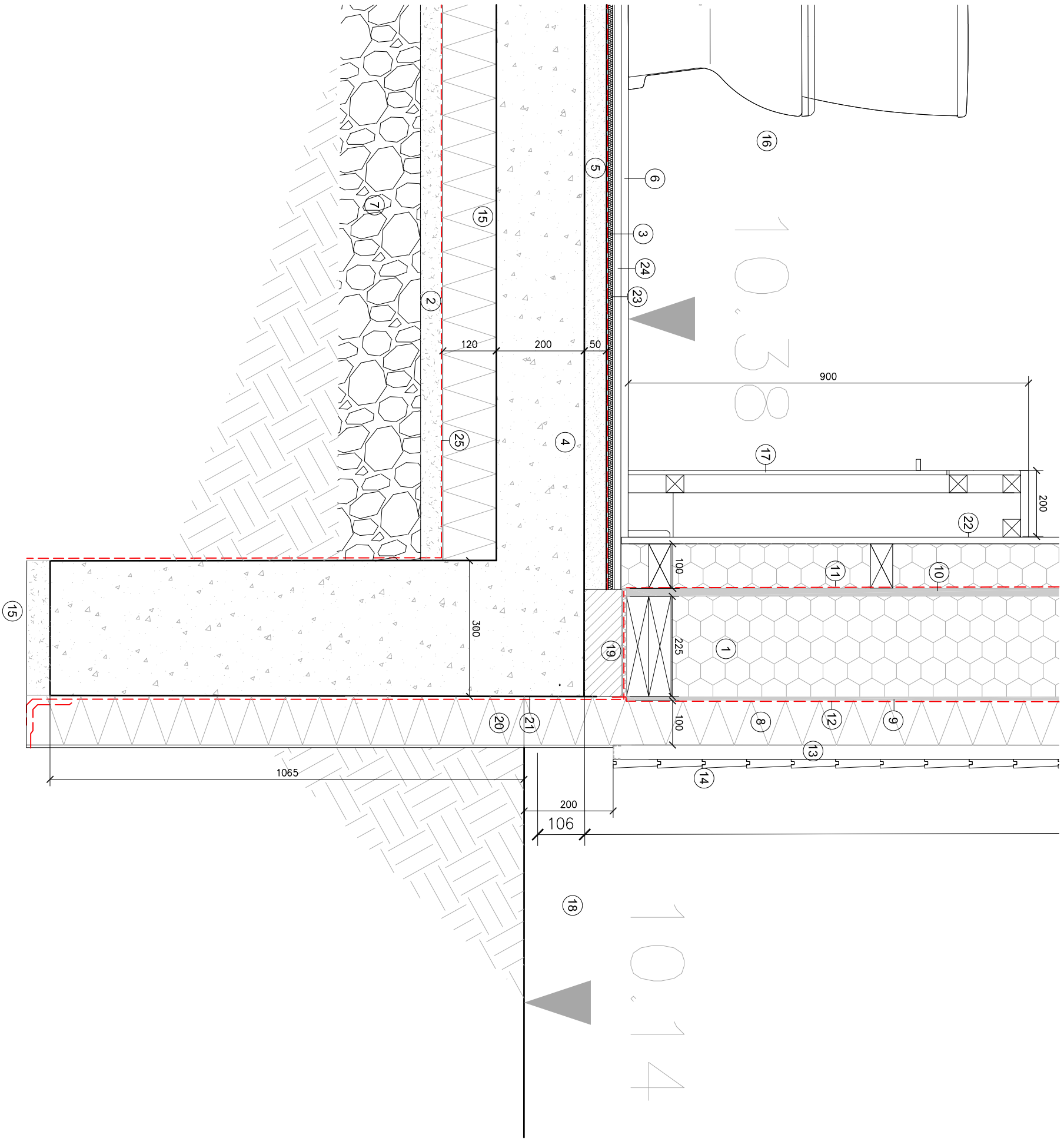
**Scale:** 1:10 @ A3

**Date:** 15.09.10

**bere:architects**

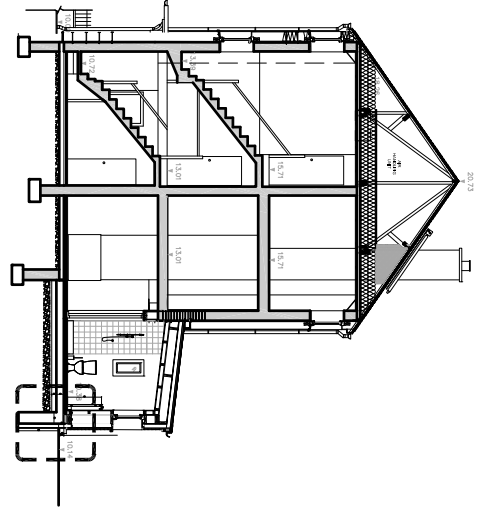
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Project Drawing Rev  
**0369.B1.G20.D01 A**



- 1 NBS G20 225mm x 50mm s/w timber studs, untreated, with Knauf Frametherm between studs
- 2 30 - 50mm Sand blinding
- 3 RIW LAC damp proof membrane applied to screed and wall of neighbouring extension upto injected DPC
- 4 NBS Q21.140 200mm concrete raft foundations
- 5 New 50mm screed
- 6 NBS New lino floor finishes
- 7 Consolidated ground
- 8 NBS P10. 100 mm Pavathern Plus Wood fibre insulation, cut edges to be primed and taped in accordance with manufacturers instructions. Helifixed by battens into timber studs.
- 9 NBS K11.445 10mm Panelvent board with breather membrane stapled to outer face.
- 10 NBS K11.335A low VOC 18 mm OSB panel
- 11 NBS P10.315 Pro clima Intello Plus air-tightness membrane.
- 12 NBS P10.315A Soliflex membrane
- 13 NBS H21.115 32x74mm s/w counter battens, fixed through Pavathern Plus insulation with Helifix InSkew600 stainless steel fixings
- 14 NBS H21.120 20mm thk Horizontal British Larch cladding fixed with stainless steel nails.
- 15 120mm Floormate insulation
- 16 NBS N13.300 New Twyfordalcona WC
- 17 Basin framework stud and birch ply gussets. Pair of MDF doors to access trap
- 18 Reinstate external surfaces where possible
- 19 Blockwork plinth. Refer to structural engineers drawings for specification
- 20 100mm Floormate insulation with Eternit board fixed to frame. To 200mm above ground. RAL TBC.
- 21 NBS J RIW sheetseal 226 tanking membrane, reinforced at junction in accordance with manufacturers details
- 22 NBS M40.110 tiles on Wedi tile backer board
- 23 NBS P10.115 10mm of Vacupor NT on top of screed with 4mm foam sheeting laid below and on top of vacupor.
- 24 NBS K11.335 18mm OSB
- 25 DPC contractors choice

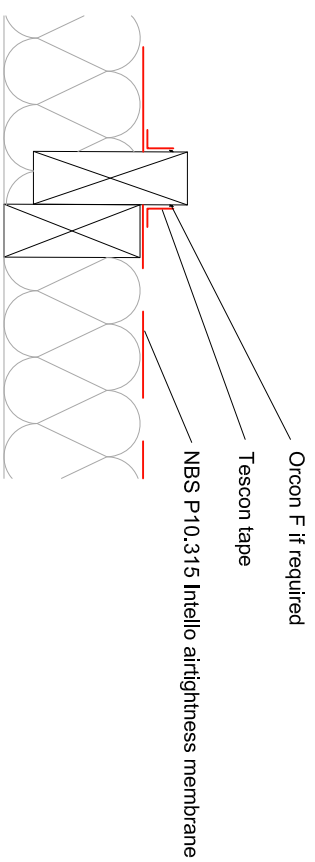
**DOTTED RED LINES INDICATE POSITION OF MEMBRANES. SEE KEY AND NOTES FOR DETAILS.**



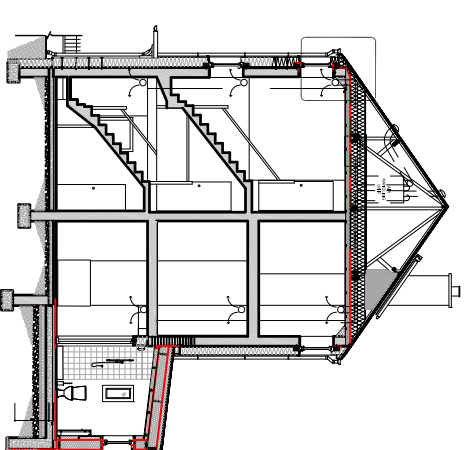
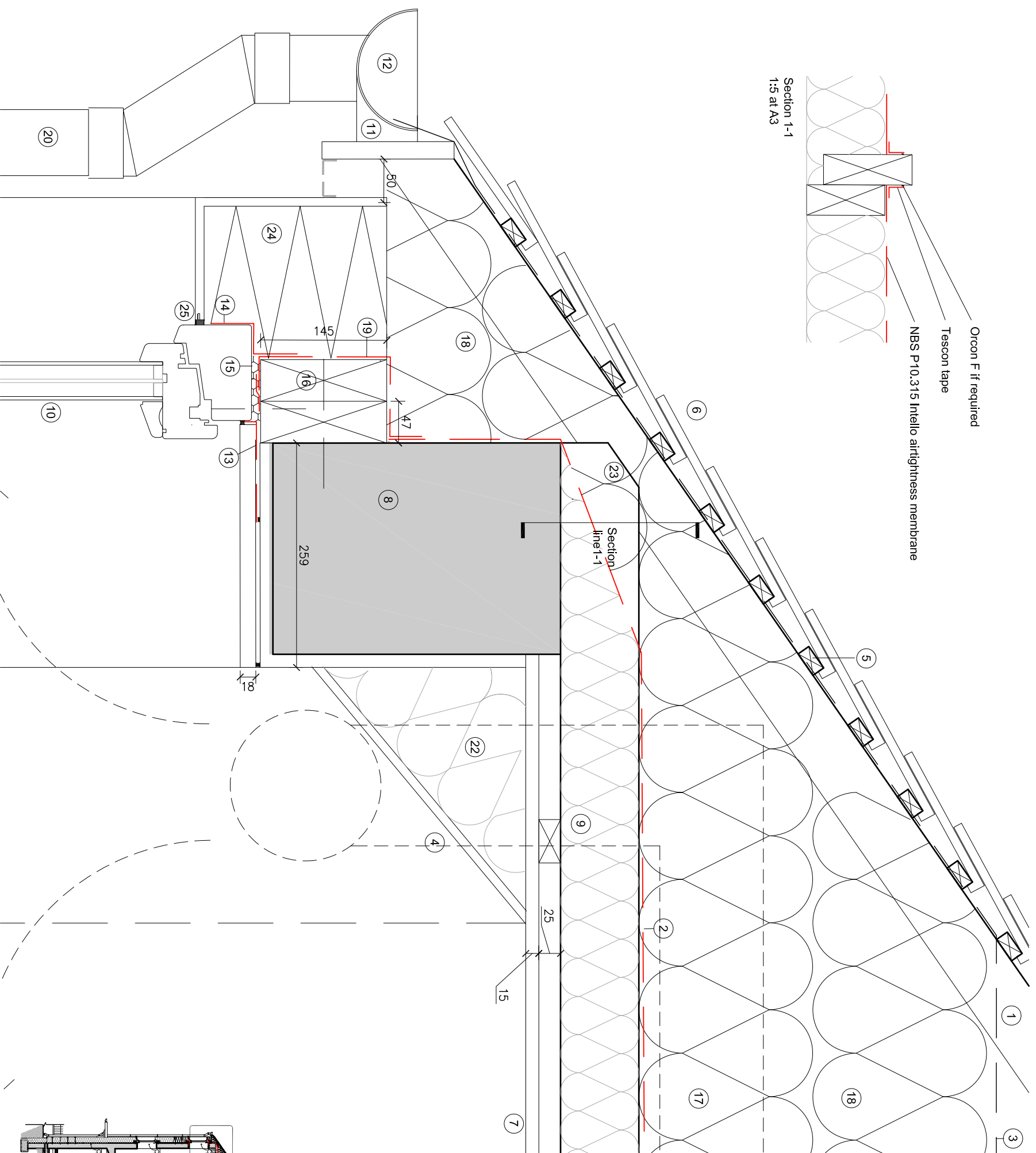
Rev	Description	Date	By	Chk
1	Use figured dimensions only			
2	Do not scale from this drawing			
3	All dimensions to be checked on site and the Architect to be informed of any discrepancies before construction commences	14.06.10	SLH	DC
4	All references to drawings refer to current revision of that drawing	03.02.11	SLH	DC
5	Structural and services information shown is indicative only. Refer to consultants drawings for details and setting out			
6	All work and materials to be in accordance with current applicable statutory legislation and to comply with all relevant codes of practice and British and European standards			

**G20 General Arrangement**

**CONSTRUCTION ISSUE**



Section 1-1  
1:5 at A3



- ① Existing timber truss
- ② NBS P10.315 Intello airtightness membrane laid over existing insulation and joists and sealed to existing walls with Orcon F mastic. Sealed to rafters with Tescon tape and Orcon F mastic where required
- ③ NBS P10.315A Solitex membrane
- ④ New Plywood
- ⑤ Existing timber battens
- ⑥ Existing roof tiles
- ⑦ Existing plaster board
- ⑧ Existing solid brick wall
- ⑨ Existing roof joists with 90mm of existing insulation
- ⑩ NBS L10.225. New timber triple glazed Passivhaus door with new painted timber cills and painted plywood linings internally NBS, P20.235 and Gutanman aluminium cills externally.
- ⑪ Existing timber barge board
- ⑫ Existing gutturing repaired where necessary
- ⑬ NBS L10.815 llbruck window air tightness tape to inside of window in accordance with manufacturers installation instructions.
- ⑭ NBS L10.815 llbruck window weatherproofing tape to outside of window in accordance with manufacturers installation instructions.
- ⑮ Expanded foam infill
- ⑯ NBS G20.210 Timber studs fixed to wall with Rawiplug FF-10160 Frame Fixers at 400mm centres
- ⑰ 200mm existing mineral wool insulation relaid
- ⑱ NBS P10.130A 200mm Knaufl insulation on top of 290mm existing mineral wool insulation and filling void in eaves
- ⑲ NBS P10.315 Intello airtightness membrane sealed to brick wall with Orcon F mastic. Sealed to timber stud with Tescon tape.
- ⑳ Relocated RWMP
- ㉑ Existing plasterwork
- ㉒ NBS P10.130A Knaufl insulation
- ㉓ NBS P10.130A Knaufl insulation between Intello airtightness membrane and solitex membrane
- ㉔ NBS M21.210A. New PermaRock insulated render system PermaRock K-finish render, 250mm PermaRock EPS insulation boards - total build up 265mm.
- ㉕ PermaRock window sealing strip

Rev	Description	Date	By	Chk
A	First Issue	03.02.11	SLH	DC
B	Second Issue		SLH	DC

**G20 General Arrangement**

**CONSTRUCTION ISSUE**

**Project:** 3 Passfield Drive  
London

**Subject:** Eaves Detail  
PROPOSED

**Scale:** 1:5 @ A3

**Date:** 18.06.10

**bere:architects**

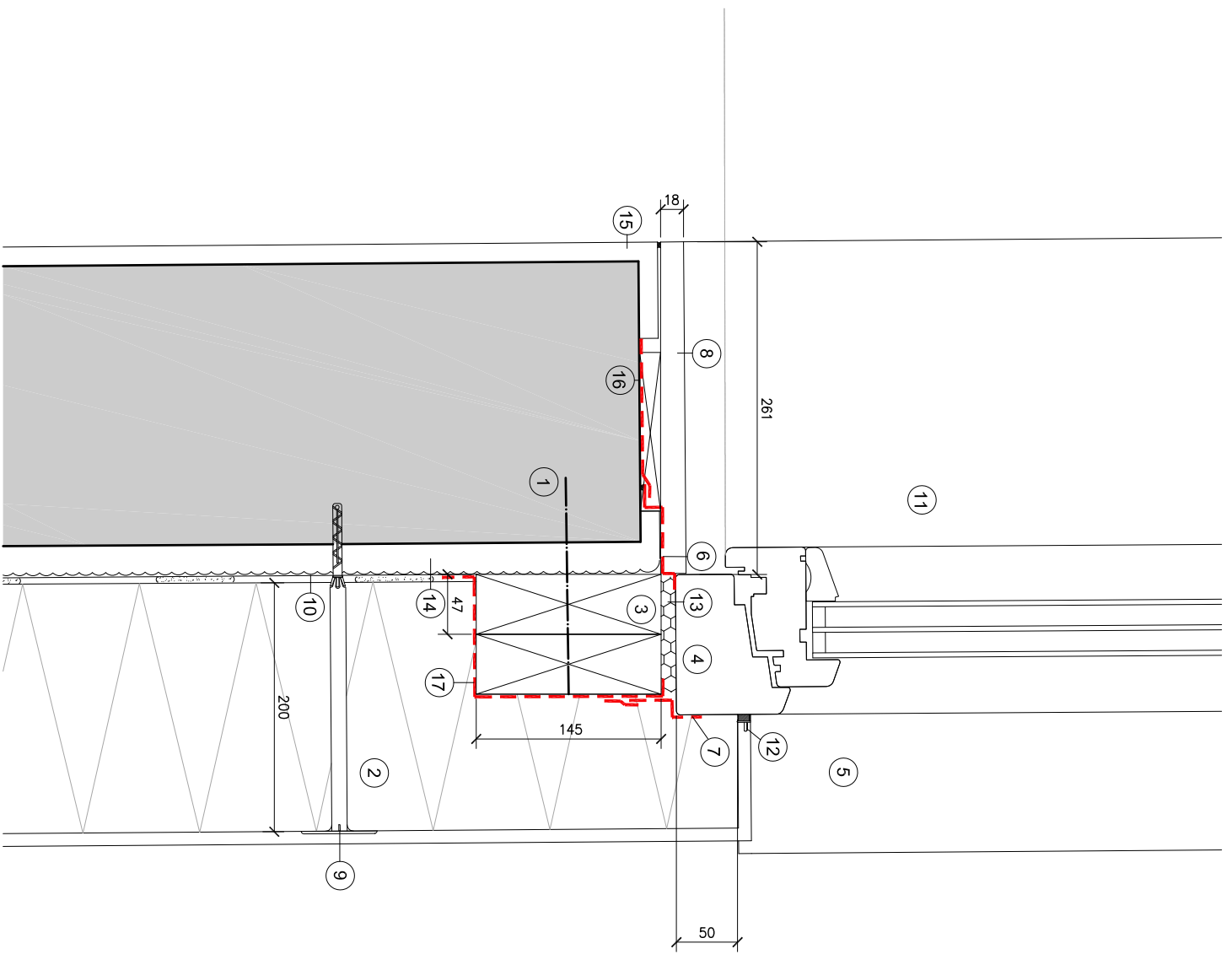
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Project Drawing Rev

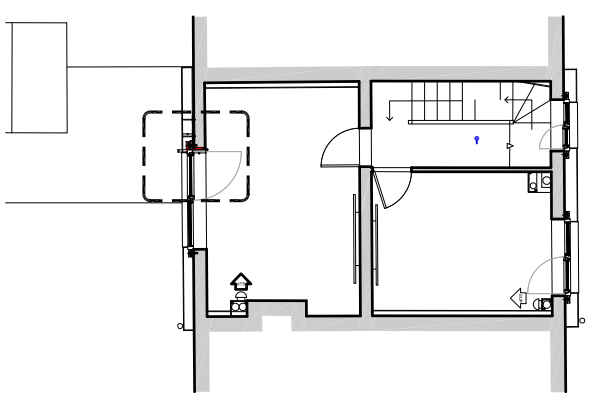
**0369.B1.G20.D07 B**

# TYPICAL WINDOW JAMB

## REAR ELEVATION (200MM PERMAROCK)



- ① Existing brick wall
- ② NBS M21.210A New PermaRock insulated render system PermaRock K-finish render. 200mm PermaRock EPS insulation boards NBS M21.210A. - total build up 215mm.
- ③ NBS G20.210 New timber studs fixed to wall with Rawlplug FF-10160 Frame Fixers at 400mm centres
- ④ NBS L10.225 New timber triple glazed Passivhaus window
- ⑤ New aluminum window cill manufactured by Gutmann.
- ⑥ NBS L10.815 Illbruck window airtightness tape to inside of window in accordance with manufacturers installation instructions. Taped to wall with Tescon No 1 use Orcon F if necessary. Ensure tape is continuous to plaster
- ⑦ NBS L10.815 Illbruck window weatherproofing tape to outside of window in accordance with manufacturers installation instructions. Taped to Intello membrane with Tescon No 1
- ⑧ NBS G20.235 New painted 18mm plywood linings
- ⑨ PermaRock fixing indicative
- ⑩ PermaRock parge coat
- ⑪ NBS G20.235 New painted interior timber window cill
- ⑫ PermaRock sealing strip
- ⑬ Expanded foam infill
- ⑭ Existing Pebbledash
- ⑮ Existing plaster work
- ⑯ Timber packer
- ⑰ NBS P10.315 Intello airtightness membrane sealed to existing wall with Orcon F. Sealed to timber frames with stainless steel staples.



Rev	Description	Date	By	CHK
1	Use figured dimensions only			
2	Do not scale from this drawing			
3	All dimensions to be checked on site and the Architect to be informed of any discrepancies before construction commences			
A	First Issue	02.02.11	SLH	DC
A	Second Issue	04.02.11	SLH	DC

**G20 GENERAL ARRANGEMENT**

**CONSTRUCTION ISSUE**

**Project:** 3 Passfield Drive  
London

**Subject:** Window Jamb First Floor  
**PROPOSED**

**Scale:** 1:5 @ A3

**Date:** 18.06.10

**Project:** Drawing

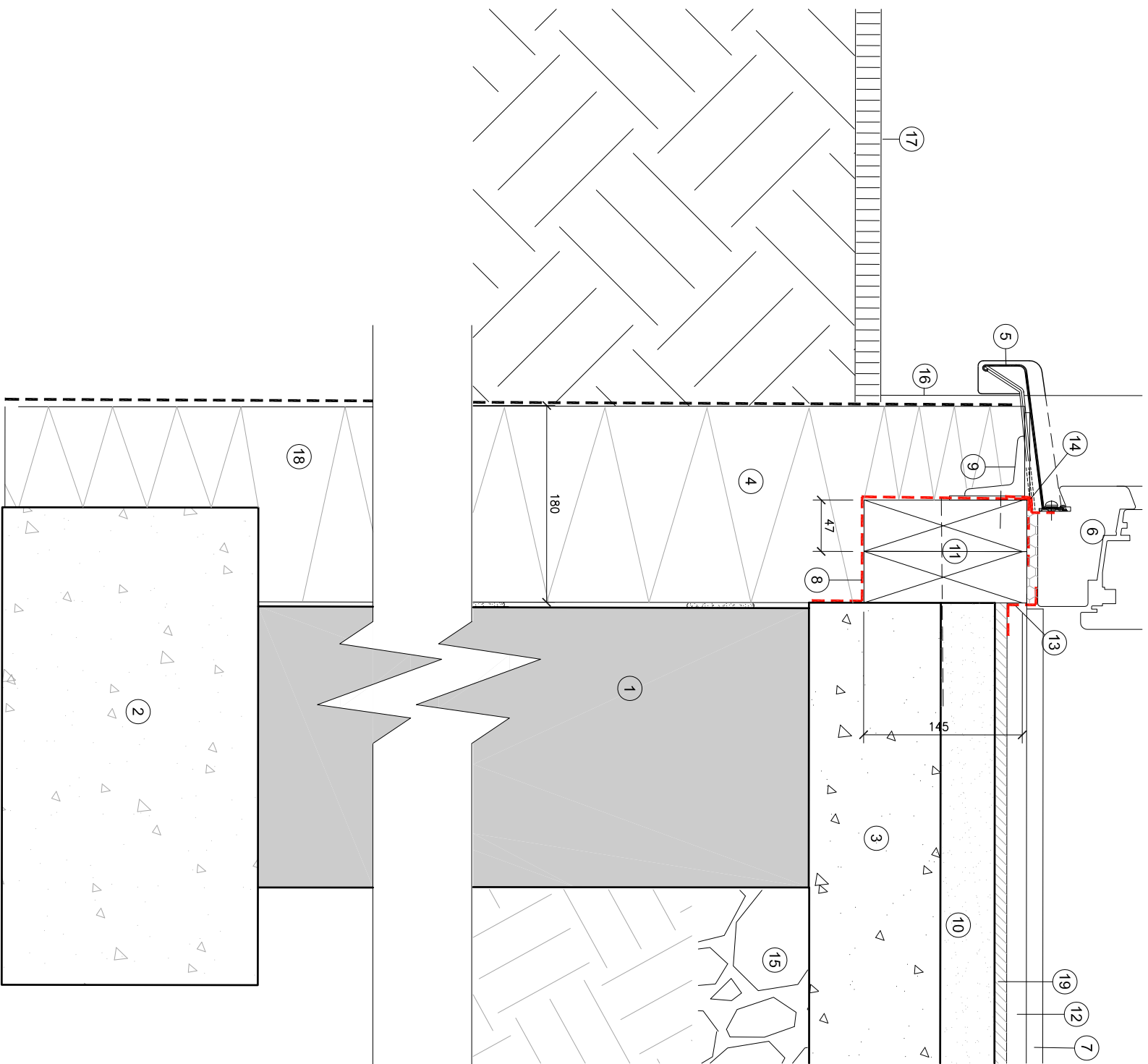
**Rev**

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**0369.B1.G20.D15 A**





- ① Existing solid brick wall
- ② Existing concrete strip foundations (assumed)
- ③ Existing concrete slab
- ④ NBS M21.215A External XPS insulation below ground level
- ⑤ New aluminium Gutmann cill
- ⑥ NBS L20.485 New timber triple glazed Passivhaus door with new painted timber cills and linings..
- ⑦ Existing floor finishes reinstated
- ⑧ NBS P10.315 Intello airtightness membrane sealed to existing wall with Orcon F sealed to timber with stainless steel staples.
- ⑨ New steel angle to structural engineers spec. with 4no. 102mm Timberlok fixings into adjacent timbers
- ⑩ Existing screed
- ⑪ NBS G20.210 New timber studs fixed to wall with 4 no. M12 fixings with suitable resin anchors into existing slab with 115mm embedment.
- ⑫ NBS K11.335 18mm OSB
- ⑬ NBS L10.815 Illbruck window air tightness tape to inside of door in accordance with manufacturers installation instructions.
- ⑭ NBS L10.815 Illbruck window weatherproofing tape to outside of door in accordance with manufacturers installation instructions. Taped to intello with Tescon No 1.
- ⑮ Existing hardcore
- ⑯ NBS M21.215A PermaRock capped render
- ⑰ External surfaces reinstated
- ⑱ NBS M21.850 PermaRock CT-114 Waterproof Adhesive coating applied over face of insulation and lapped over reinforced bedding mortar and decorative finish to min 50mm above ground level
- ⑲ NBS P110.115 10mm Vacupor NT. 4mm foam sheeting laid below and ontop of Vacupor.

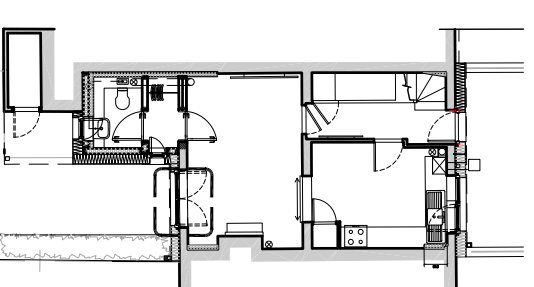
## FRONT DOOR THRESHOLD

Rev	Description	Date	By	Chk
A	First issue	24.02.11	SLH	DC

- 1 Use figured dimensions only
- 2 Do not scale from this drawing
- 3 All dimensions to be checked on site and the Architect to be informed of any discrepancies before construction commences
- 4 All references to drawings refer to current revision of that drawing
- 5 Structural and services information shown is indicative only. Refer to consultants drawings for details and setting out
- 6 All work and materials to be in accordance with current applicable statutory legislation and to comply with all relevant codes of practice and British and European standards

**G20 GENERAL ARRANGEMENT**

**CONSTRUCTION ISSUE**



**Project:** 3 Passfield Drive  
London

**Subject:** Door Threshold Detail  
PROPOSED

**Scale:** 1:5 @ A3

**Date:** 23.02.11

**bere:architects**

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Project Drawing Rev

**0369.B1.G20.D29 A**