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PROJECT TITLE

42 BEDFORD SQUARE

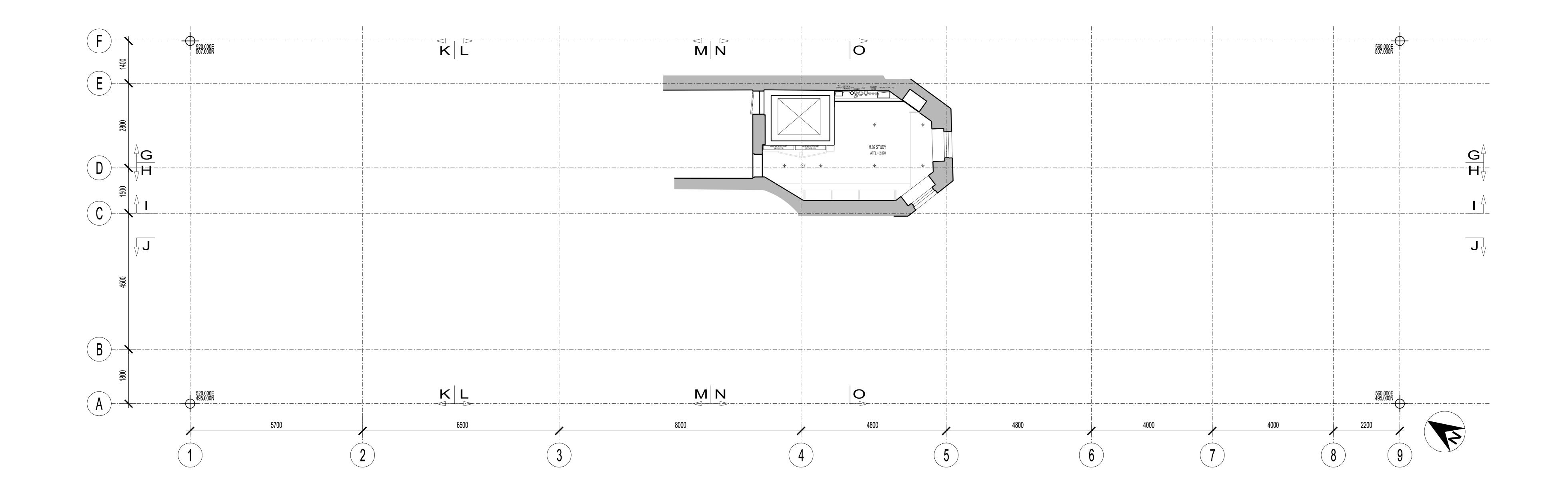
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FIRST FLOOR
REFLECTED CEILING PLAN
AS PROPOSED

DATE
12.2017

(15)AC123



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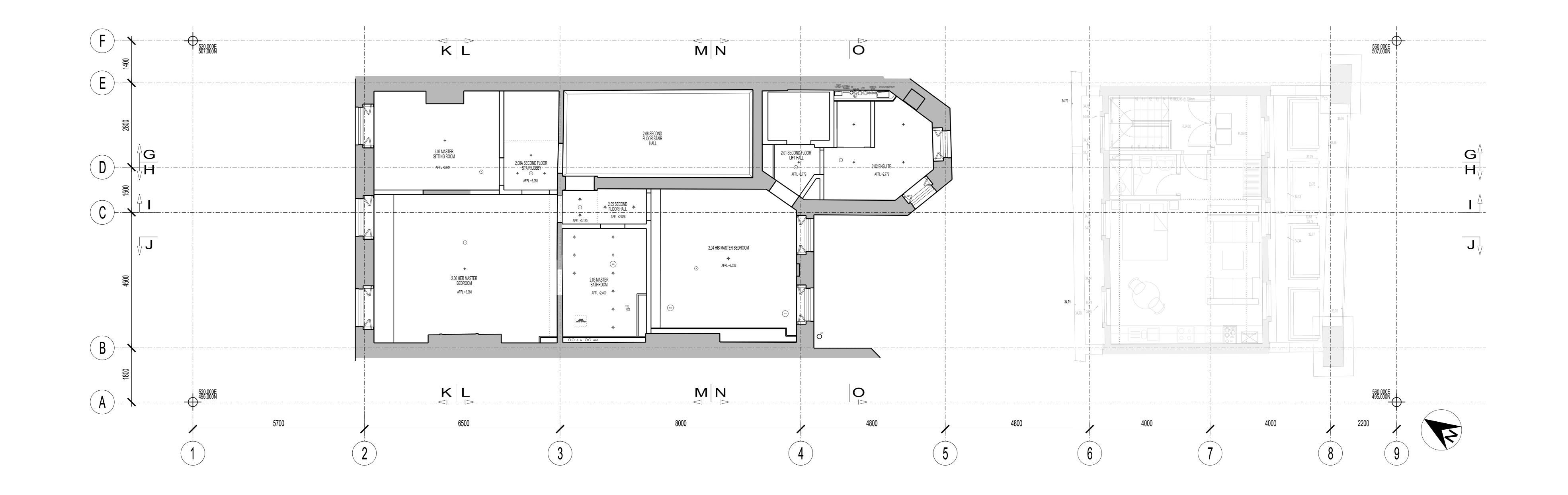
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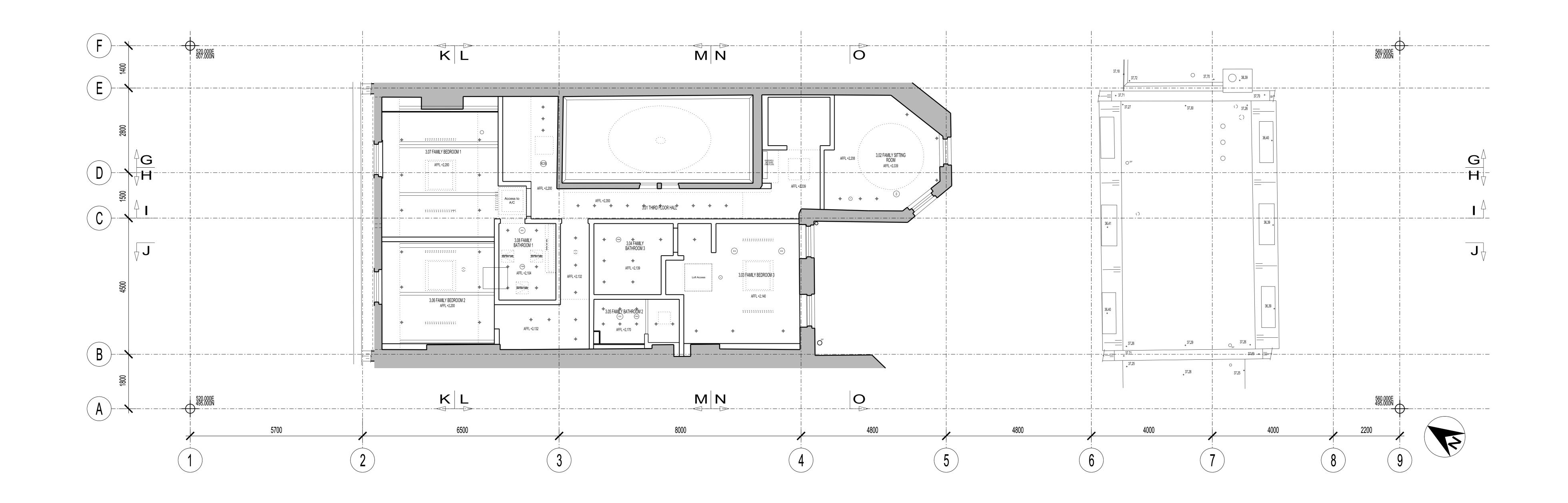
⊕ Smoke Detector

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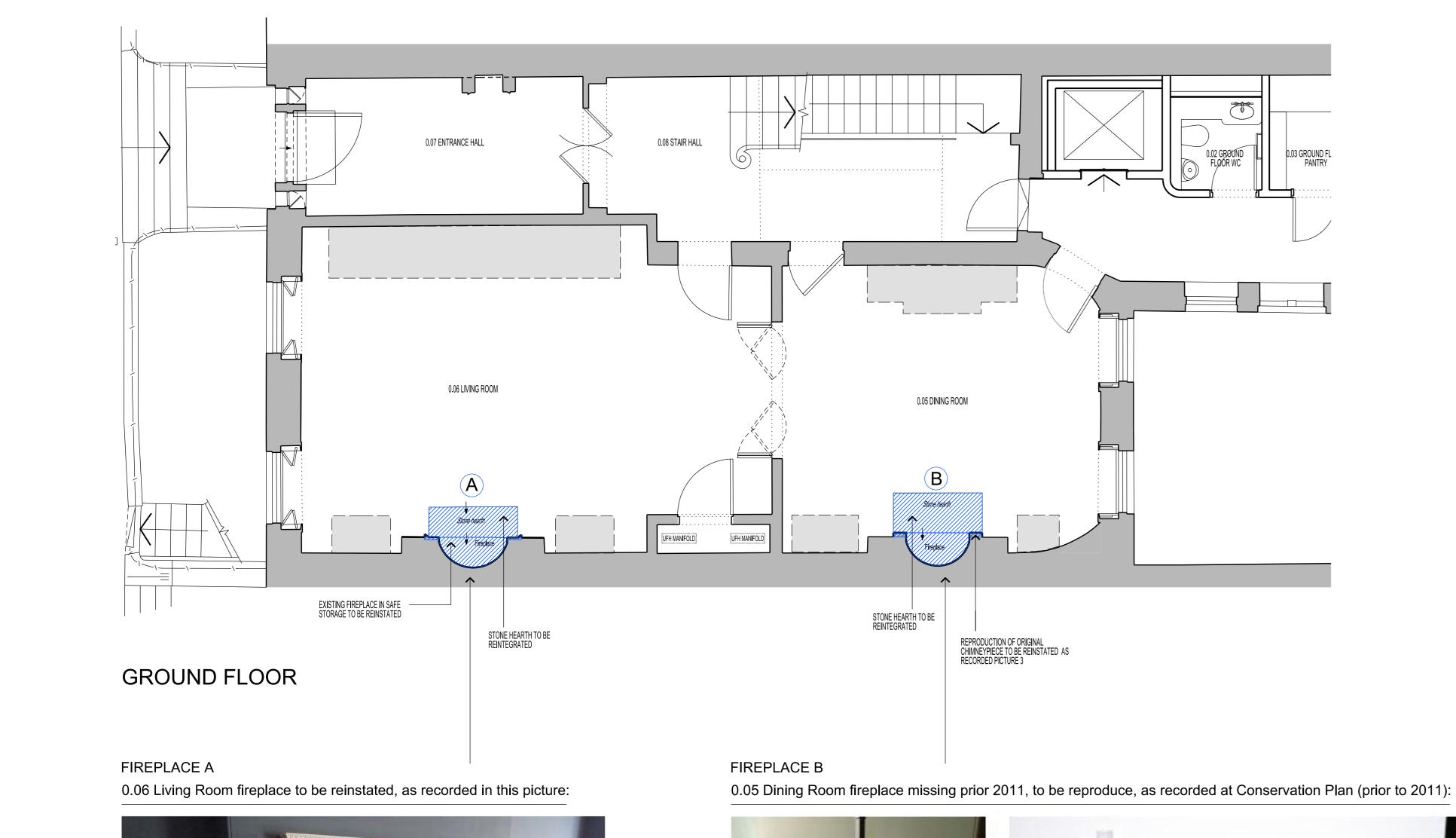
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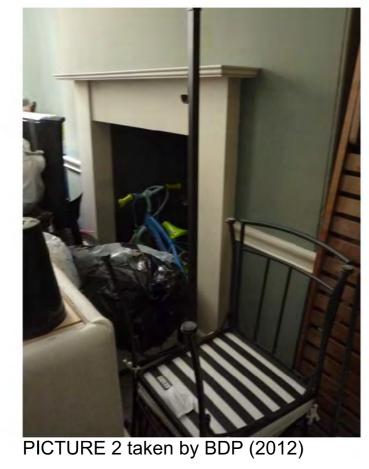
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42 BEDFORD SQUARE THIRD FLOOR REFLECTED CEILING PLAN 12.2017 AS PROPOSED (15)AC126





FIREBOX TO BE RESTORED





PICTURE 3 at Conservation Plan by Murray John Architects (prior 2011) Reproduction to be specified by specialist.

EXISTING CHIMNEYPIECE IN SAFE STORAGE TO BE CAREFULLY REINSTATED STONE HEARTH TO BE REINTEGRATED REPRODUCTION OF ORIGINAL CHIMNEYPIECE TO BE REINSTATED AS RECORDED PICTURE 7 FIRST FLOOR 1.04 Reception Room fireplace to be reinstated, as recorded in this picture: 1.03 Library fireplace missing prior 2011, to be reproduce, as recorded at Conservation Plan (prior to 2011):





PICTURE 7 at Conservation Plan by Murray John Architects (prior 2011) Reproduction to be specified by specialist.

(A) Existing fireplace in safe storage to be reinstated



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STONE HEARTH TO BE REINTEGRATED

PROPOSED REINSTATEMENT OF ORIGINAL **FIREPLACES**

GENERALLY

A complete damage assessment and work proposal to reinstate the stored parts of the fireplaces will be made by the Constructor and approved by the

A. LIVING ROOM FIREPLACE

Clean and repair existing firebox and reintegrate original hearth.

Identify original location of storaged parts of as per the attached PICTURE 4.

Clean, repair and carefully reinstate original pieces to their original location. And add new pieces, in a like for like basis, when missing or not able to be repaired.

Redecorate painted elements, using same color and type of pinture, as exisiting.

DINING ROOM FIREPLACE Reintegrate original hearth (if existing).

Reproduction of original chimneypiece to be reinstated as recorded PICTURE 3, specified

DRAWN CHECKED DATE REVISION / DESCRIPTION

C Existing fireplace in safe storage to be reinstated



PROPOSED REINSTATEMENT OF ORIGINAL FIREPLACES

A complete damage assessment and work proposal to reinstate the stored parts of the fireplaces will be made by the Constructor and approved by the

A. RECEPTION ROOM FIREPLACE

Clean and repair existing firebox and reintegrate original hearth.

Identify original location of storaged parts of as per the attached PICTURE 8.

Clean, repair and carefully reinstate original pieces to their original location. And add new pieces, in a like for like basis, when missing or not able to be repaired.

Redecorate painted elements, using same color and type of pinture, as exisiting.

LIBRARY FIREPLACE Reintegrate original hearth.

Reproduction of original chimneypiece to be by specialist.

AS PROPOSED

16 Brewhouse Yard Clerkenwell London, EC1V 4LJ United Kingdom

FIREPLACES REINSTATEMENT AS PROPOSED

12.2017

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ROOM FINISHES KEY

ROOM NUMBER ALL DIMENSIONS SHOULD BE CHECKED ON SITE. DO NOT SCALE FROM THIS DRAWING.

BROKEN GLASS TO BE REPLACED LIKE FOR LIKE

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IMAGE 1

NEW LIME RENDER

SIKA-1 WATERPROOF RENDERING TO WALLS AND CELINGS SIKA-1 SCREED TO FLOORS

A. Cleaning and strip out render in bad condition or cementitious render.

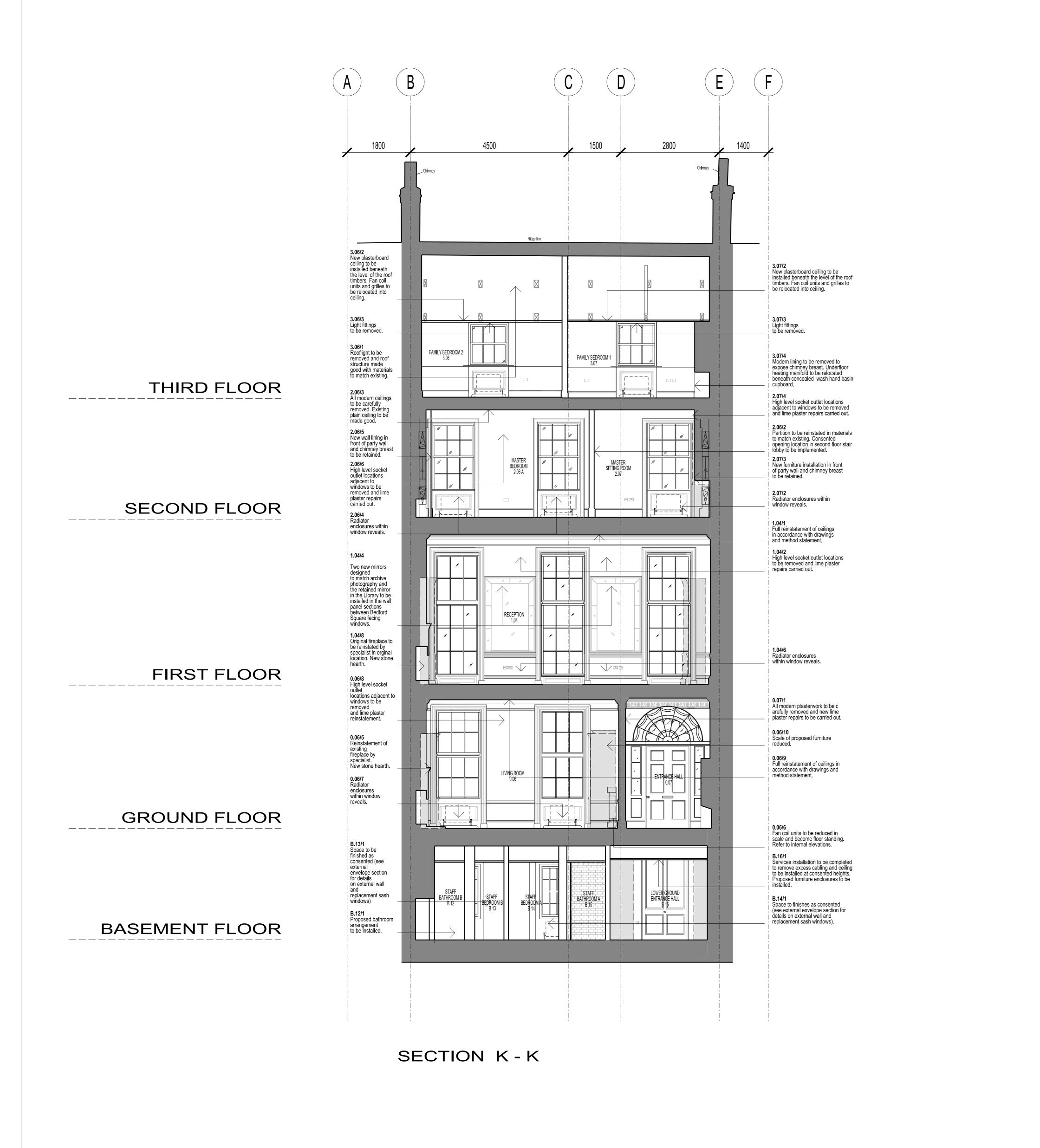
New Sika-1 waterproof rendering to walls and ceilings at vaults.
 New Sika-1 screed to floors.

B. New lime render to light well wall. Use based on non-hydraulic lime putty plus

Render coat: 1 Mature lime putty, 2.5 well-granded sand, 5kg/m hair, PFA TRASS

Floating coat: 1 Mature lime putty, 2.5 well-granded sand, 3kg/m3 hair, PFA TRASS 10%
Finishing coat: 1 Mature lime putty, 2.5 well-granded sand, PFA TRASS 10%

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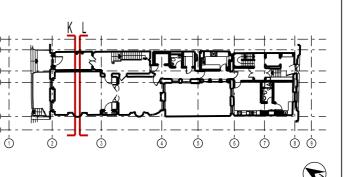
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PROJECT TITLE

42 BEDFORD SQUARE

PROJECT NUMBER
P2005698

DRAWING TITLE

PRINCIPAL HOUSE
SECTIONS K - K AND L - L
AS PROPOSED

DATE
11.2017

(15)AS139



DRAWN CHECKED DATE REVISION / DESCRIPTION

AS PROPOSED

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Existing Fabric

As Proposed Fabric

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PROJECT NUMBER P2005698	
PRINCIPAL HOUSE	1:50
SECTIONS M - M, N - N AND L - L AS PROPOSED	11.2017
(15)AS140	REVISION

h Fan coil unit reduction - technical note



42 BEDFORD SQUARE

ELECTRIC WINDOW HEATING PROJECT MEMORANDUM



MECHANICAL, ELECTRICAL & PUBLIC HEALTH INSTALLATIONS

I.0 EXECUTIVE SUMMARY

This project memorandum considers the options available for re-modelling the existing joinery around a Bedford Square fan coil units.

The document provides the minimum zones required for the installation of the FCU's assuming that all attention is removed (due to planning requirements).

2.0 FAN COIL UNIT INSTALLATION REVIEW

This project memorandum considers the options available for re-modelling the existing joinery around a Bedford Square fan coil units. The current joinery is being reviewed as part of addressing comments made by the planners/listed building consent officer.



Image 2.0.1: Exsiting FCU located in Library

Tracking

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Project: 42 Bedford Square	Status: Preliminary Issue	Date: May 2017	Doc. Ref: REP-0209223 / 08
Author: Paul McCabe & Nick Harrison	Reviewer: Matthew Warner	Page: 1 of 3	Revision: PI
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42 BEDFORD SQUARE

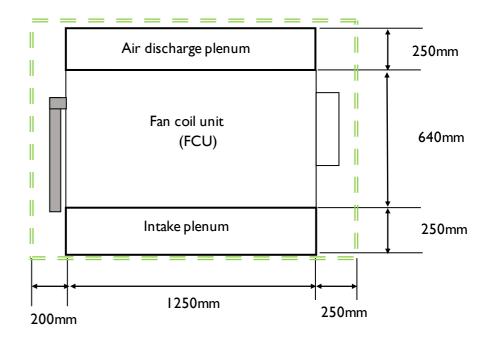
ELECTRIC WINDOW HEATING PROJECT MEMORANDUM



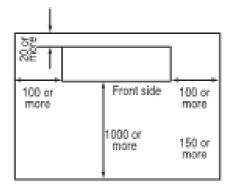
MECHANICAL, ELECTRICAL & PUBLIC HEALTH INSTALLATIONS

The current proposal is to box these type of units into the rear of full height joinery. As a less intrusive arrangement we have been asked to consider omitting the attenuators and reducing the unit's height to sit within a lower item of joinery. The sketch below indicates how this arrangement could work in elevation for a typical fan coil unit (FCU):

4



The minimum manufactures clearances/access requirements are indicated on the plan view below:



The clearance of 1000mm at the front of the unit can be achieved by providing removable panes within the joinery if required.

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Project: 42 Bedford Square	Status: Preliminary Issue	Date: May 2017	Doc. Ref: REP-0209223 / 08
Author: Paul McCabe & Nick Harrison	Reviewer: Matthew Warner	Page: 2 of 3	Revision: PI
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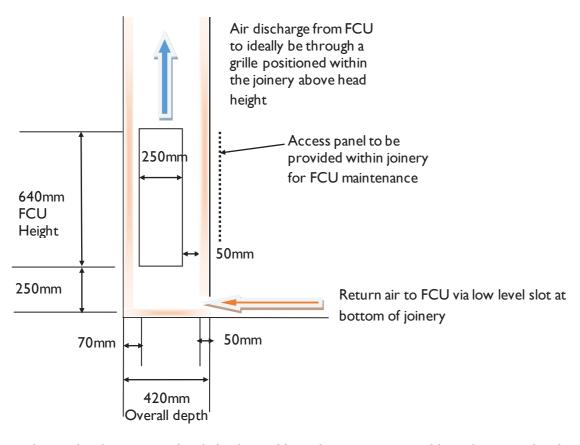
42 BEDFORD SQUARENDON

Design & Access Statement

ELECTRIC WINDOW HEATING PROJECT MEMORANDUM

MECHANICAL, ELECTRICAL & PUBLIC HEALTH INSTALLATIONS

In section the dimensions are as below:-



- In order to develop a more detailed solution Hoare Lea acoustics would need to consider the impact on the room NR levels given the omission of the silencers. For example to design NR level for the Library space was NR25 and this will increase if the attenuators currently specified are removed.
- It would be suggested that the plenum boxes are acoustically lined to help reduced the noise levels from the FCU's or the plenum boxes could be removed and acoustic lining provided to the joinery to assist in noise reduction form the unit.
- A solution was also discussed for the FCU's installed as floor mounted and not secured to the wall. This is a possible solution but would require the following provision:
 - a. A support frame constructed to secure the FCU
 - b. Anti vibration mounts onto the floor (to prevent vibration from the unit being transferred thought the wooden floors into the structure
 - c. A fixing to the joinery to ensure that the FCU is properly secured

To achieve a floor mounted solution with a separate support frame, the following additional zones would be required to those shown on the sketches within this document:-

- I 00mm at the base
- 150mm on each side

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Project: 42 Bedford Square	Status: Preliminary Issue	Date: May 2017	Doc. Ref: REP-0209223 / 08	
Author: Paul McCabe & Nick Harrison	Reviewer: Matthew Warner	Page: 3 of 3	Revision: PI	
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Method Statements



42 BEDFORD SQUARE PROJECT

Title: Method Statement for Repair Work following Removal of Newly Constructed

Partitions

Project: 42 Bedford Square

Job No: **P2005698**

Document No: SPC(00)001

Date: **08/012/2017**

Note: To be read in conjunction with drawings as built and as proposed drawings

METHOD STATEMENT FOR REPAIR WORK FOLLOWING THE REMOVAL OF NEWLY CONSTRUCTED PARTITIONS

General

Modern partitions to be carefully removed in order to protect adjoining existing material. The adjoining and adjacent historic fabric to be fully protected prior to the commencement of any works.

A complete damage assessment and work proposal will be made by a Specialist following the removal, and approved by the Architect.

Record castings to historic cornices

Historic cornices to be made good after the permanent removal of newly constructed abutting walls. Adjoining, currently unaffected historic cornices, may also be vulnerable to damage or loss during this work. Ensure protection.

Carefully make castings of existing historic cornice prior to commencement of this work to enable accurate reproductions to be made if required.

Defective timber laths and plaster work

An analysis of the existing adjoining walls, plaster, cracks and exposed substrates and laths will be undertaken by a Contractor appointed specialist who will advise on remedial action.

Detach soft, friable, badly cracked, affected by efflorescence or otherwise damaged plaster following removal of partitions. Cut back to a square, sound edge.

Remove all dust and loose material from exposed substrates and edges.

Carefully remove defective plaster and laths without damaging adjacent sound plaster. Cut back defective laths to supporting timbers.

Timber laths and plaster replacement

Supply new laths to match existing. Screw laths back to framework using brass or stainless steel screws and washers.

Finish with 3-coat plaster work using proprietary, pre-mixed lime plasters comprising animal hair for the pricking up and floating coats and fine stuff for the finish coat or as advised by Specialist.

Please refer to Type A3 Mortar Mix based on non-hydraulic lime in 'English Heritage Practical Building Conservation Mortars Renders & Plasters:

Render Coat - Mature Lime Putty 1

Well Graded Sand 2-2.5

Animal Hair 5kg per M3 Binder: Aggregate Proportions 1:2 – 2.5

Floating Coat - Mature Lime Putty 1

Well Graded Sand 2-2.5

Animal Hair 3kg per M3 Binder: Aggregate Proportions 1:2 – 2.5

Setting Coat Mature Lime Putty 1

Fine Sand 1
Binder: Aggregate Proportions 1:1

Plaster to be finished flush to adjacent.

Potential Crack repairs required

Repair small cracks and fissures with an all-purpose drywall joint compound. Cut back plasterwork each side of cracks to sound plaster. Remove dust. Dampen repair area or apply suitable sealer. Fill with lime plaster as specification above.

Decoration

Use an Alkali-resistant primer and a latex or oil-based paint for final coat as specified by Interior Designer.

42 BEDFORD SQUARE PROJECT

Title: Method Statement for Reinstatement of Walls to Original & Consented Locations

Project: 42 Bedford Square

Job No: **P2005698**

Document No: SPC(00)002

Date: **08/12/2017**

Note: To be read in conjunction with as built and as proposed drawings

METHOD STATEMENT FOR REINSTATEMENT OF WALLS TO ORIGINAL & CONSENTED LOCATIONS

General

Internal walls are to be reinstated using materials to match the existing and adjacent. At the ground floor level, an enlarged opening between the stair hall and Living Room has been created in a masonry wall. Further enlargements of openings have been constructed in the opposite cupboard area and between the front and rear rooms of the property. These are created within timber stud partitions. At the first floor level, enlarged openings between the front room, stair hall and rear room have been created in masonry and timber stud with brick infill walls.

For the reinstatement of sections of masonry wall, salvaged or second hand bricks are to be sourced to match the existing, free from matter such as mortar, plaster, paint, bituminous materials and organic growths. Bricks are to be sound and clean and reasonably free from cracks and chipped arrises. Mortar selection is to be in accordance with the English Heritage Practical Building Conservation publication 'Mortars, renders and plasters'. The proposed specification refers to masonry in a moderate condition and within a sheltered environment:

Type A1 1 part mature lime putty: 2 \(\frac{3}{4} \) parts well graded sand.

Brickwork to be laid in courses to match the existing adjacent and keyed in at each horizontal course to ensure solid connection. Lime plaster (type A3) to be applied to brickwork in 3 coat work comprising:

Render Coat_ 1 part mature lime putty: 2 ½ parts well graded sand: 5kg hair/m3 of coarse stuff Floating Coat_ 1 part mature lime putty: 2 ½ parts well graded sand: 3kg hair/m3 of coarse stuff Setting Coat_ 1 part mature lime putty: 1 part fine sand

Plasterwork to be finished flush with the existing adjacent.

New timber stud work to match the existing in terms of cross sectional dimensions and setting out. New horizontal hardwood laths will be fixed directly to vertical timber studs and finished with 3-coat plaster work using proprietary, pre-mixed lime plasters comprising animal hair for the pricking up and floating coats and Fine Stuff for the finish coat.

Plasterwork to be finished flush with the existing adjacent.

Wall Construction

Remove current finish to the reveals of the newly constructed enlarged openings, and just enough plaster from walls to ensure that the existing wall construction is sufficient to fix to and extend new wall infills from. Cut back plaster removals to square sound edges and remove all dust and loose material from exposed substrates and edges.

Extend new vertical timber studs from top plate of current openings using brass or stainless steel screws and angled/knuckled plates.

Timber laths and plaster

Cut back defective laths where plaster has been removed to supporting timbers. Supply new laths to match existing. Screw laths back to framework using brass or stainless steel screws and washers.

New horizontal hardwood laths fixed directly to new vertical studs with the joints ideally staggered.

New plaster will be 3-coat plaster work as described above. (Type A3 Mortar Mix based on non-hydraulic lime in 'English Heritage Practical Building Conservation Mortars Renders & Plasters')

Plaster flushing finish to adjacent.

Potential Cracks

Repair small cracks and fissures that may occur to the existing maintained walls during the works, with an all-purpose drywall joint compound. Cut back plasterwork each side of cracks to sound plaster. Remove dust. Dampen repair area or apply suitable sealer. Lime plaster as advised by Specialist. Very fine hairline cracks in painted surfaces may be filled by applying several coats of limewash, or in the case of internal plaster, distemper.

Decoration

Use an Alkali-resistant primer and a latex or oil-based paint for final coat as specified by Interior Designer

42 BEDFORD SQUARE PROJECT

Project: 42 Bedford Square

Job No: **P2005698**

Document No: SPC(00)003

Date: **08/12/2017**

METHOD STATEMENT FOR STONE CLEANING AND REPAIR

GENERALLY

Stone Cleaning

Stone cleaning must be done applying the least invasive of the successful methods.

Test methods in the less visible areas. Record and photograph all tests, noting down locations, dwell times, temperature, weather conditions and exact formulae used.

Apply methods of cleaning beginning with cold and then hot water and soft brush. If that is not successful use a steam based system such as DOFF making tests increasing temperature and pressure. Continue with increasingly strong methods, culminating with TORC system using mild aggregates such as calcite. Stop immediately if it appears that the surface of the stone is damaged. Sand blasting is not acceptable under any circumstances.

Site operatives are to be experienced in this area of work and monitored by a specialist in stone cleaning. Work to code of practice BS8221 Part 1 2000

Protect surrounding paintwork and cover drains so as to avoid solid matter entering the sewers. Protect people with appropriate clothing and breathing apparatus where fine grain particle may be used. Avoid working in low temperatures- especially below 6 degrees.

Ensure masonry is sound and fill, temporarily, significant holes where water is likely to penetrate. Simple water may run to drains in small quantities. Provide run off facilities to collect and retain and dispose of any excess water.

The work will be completed in small areas at a time.

Allow for periodic water washing to maintain the surface colour after satisfactorily completing the work. Do not attempt to apply protective coats or sealants to the stone.

Stone Repointing

Identify areas of pointing required for repair. External areas such as the front light well and central courtyard (where stone flags have been removed) will require full repointing. Allow for inspection by

specialist after cleaning. Take a mortar sample and analyse its contents. Ensure that the mortar is as original and not of a recent repointing.

Cut out pointing to a normal required depth - minimum 25mm - taking care not to damage the stone with cutters or discs. The joint should only be removed where pointing is substantially damaged.

Dampen joint and apply base mortar of one part lime putty and three parts aggregate varying consistency in order to match the colour of the stone.

Flush point and tap with brush and whilst still wet, incise joint (called grooving) to perfect gauged lines with a bevelled edge rule. Observe the adjacent colour and texture of the stone joints and match.

Keep the work damp by spraying gently for min 10 days to slow the drying process and avoid direct sunlight or working in low or high temperatures or with too much wind.

SPECIFIC REPAIRS

A. New stone

A1. Supply and fix new approved Yorkstone paving slabs to match adjacent. Layout of paving as shown on drawings. Lay stone on a bedding layer to match adjacent: allow for 40mm 6 to 1 mix of lime mortar bed. Level stone surface with adjacent.

B. Stone replacement

- B1. Replace existing stone with new approved Yorkstone to match adjacent stone and existing layout.
- B2. Replace existing stone with new approved Yorkstone carved step to match adjacent stone and existing layout.

C. Stone pinning

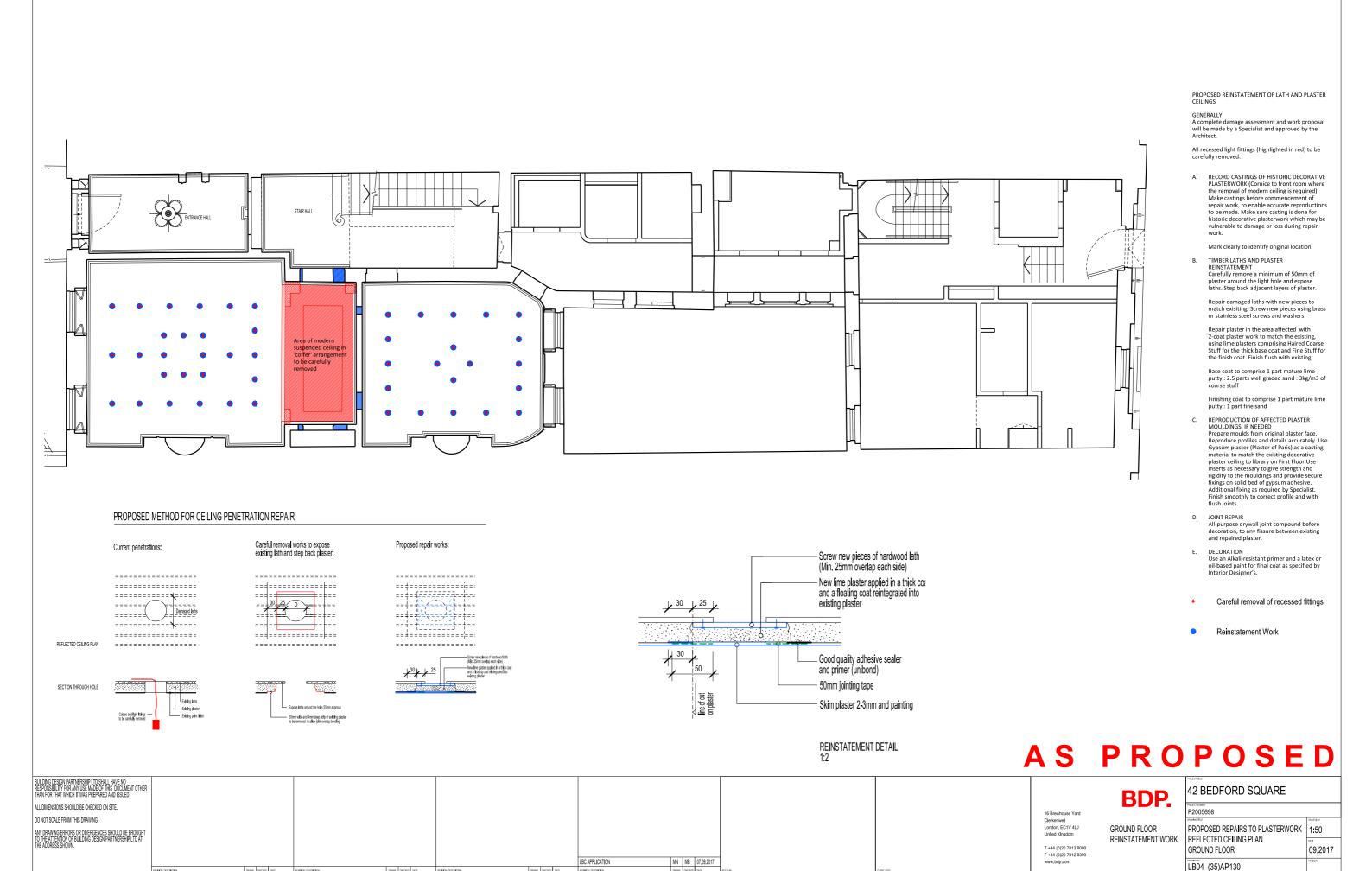
C1. Pin loose stone with min 2No SS dowels chemically anchored to sound stone with epoxy resin injection. Use lime mortar matching colour of stone for finishing.

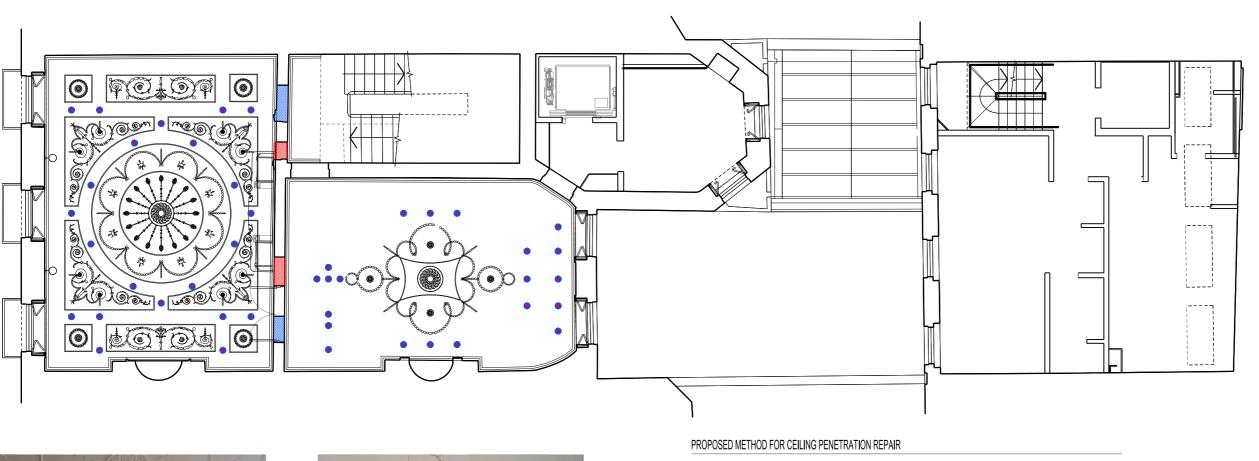
D. Stone indenting

D1. Cut out defective area to neat lines and removing any defective previous repairs. Indent stone with new approved Yorkstone to match adjacent. Pin stone as previously specified.

E. Stone surface repairs

E1. Use natural hydraulic lime repair mortar as Lithomex by Masons mortar or similar approved to reinstate original stone shape. Colour to match stone. Apply repair to sound stone clean of debris.







Decorative plaster ceiling to Front Reception Room to be reinstated

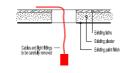


Decorative plaster ceiling to first floor rear room to be reinstated

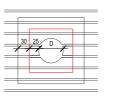
they are at the moment;

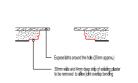
Lighting holes to be repaired as

REFLECTED CEILING PLAN

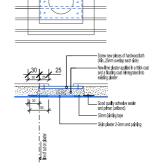


Demolition works to expose existing lath and step back plaster:





Proposed repair works:



PROPOSED REINSTATEMENT OF LATH AND PLASTER CEILINGS

GENERALLY

A complete damage assessment and work proposal will be made by a Specialist and approved by the Architect.

All recessed light fittings (highlighted in red) to be carefully removed.

RECORD CASTINGS OF HISTORIC DECORATIVE PLASTERWORK (Cornice to front room where the removal of modern ceiling is required) Make castings before commencement of repair work, to enable accurate reproductions to be made. Make sure casting is done for historic decorative plasterwork which may be vulnerable to damage or loss during repair

Mark clearly to identify original location.

TIMBER LATHS AND PLASTER REINSTATEMENT

Carefully remove a minimum of 50mm of plaster around the light hole and expose laths. Step back adjacent layers of plaster.

Repair damaged laths with new pieces to match exisiting. Screw new pieces using brass or stainless steel screws and washers

Repair plaster in the area affected with 2-coat plaster work to match the existing, using lime plasters comprising Haired Coarse Stuff for the thick base coat and Fine Stuff for the finish coat. Finish flush with existing.

Base coat to comprise 1 part mature lime putty: 2.5 parts well graded sand: 3kg/m3 of coarse stuff

Finishing coat to comprise 1 part mature lime putty: 1 part fine sand

REPRODUCTION OF AFFECTED PLASTER

MOULDINGS, IF NEEDED
Prepare moulds from original plaster face.
Reproduce profiles and details accurately. Use Gypsum plaster (Plaster of Paris) as a casting oypsum plaster (rlaster or raris) as a casting material to match the existing decorative plaster ceiling to library on First Floor. Use inserts as necessary to give strength and rigidity to the mouldings and provide secure fixings on solid bed of gypsum adhesive. Additional fixing as required by Specialist. Finish smoothly to correct profile and with flush joints.

JOINT REPAIR All-purpose drywall joint compound before decoration, to any fissure between existing and repaired plaster.

F DECORATION

Use an Alkali-resistant primer and a latex or oil-based paint for final coat as specified by Interior Designer's.

Careful removal of recessed fittings

Reinstatement Work

AS PROPOSED

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ANY DRAWING ERRORS OR DIVERGENCES SHOULD BE BROUGHT TO THE ATTENTION OF BUILDING DESIGN PARTNERSHIP LTD AT THE ADDRESS SHOWN.

A-TENDER ADDENDUM MN MB 07.09,2017

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PROPOSED REPAIRS TO PLASTERWORK 1:50 REFLECTED CEILING PLAN 09.2017 FIRST FLOOR

j Building Services Overlay Drawings



