

Whitestone House, London, NW3

APPENDIX B

**PROPOSED STRUCTURAL SCHEME DRAWINGS
OUTLINE CONSTRUCTION SEQUENCE SKETCHES**

Ref: 140050/KH/TA

Date: February 2015

Rev No: P1

• **London**
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St Benedicts Street
Norwich NR2 4AP
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47 – 51 Norfolk Street
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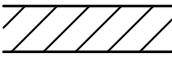

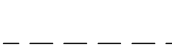
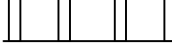
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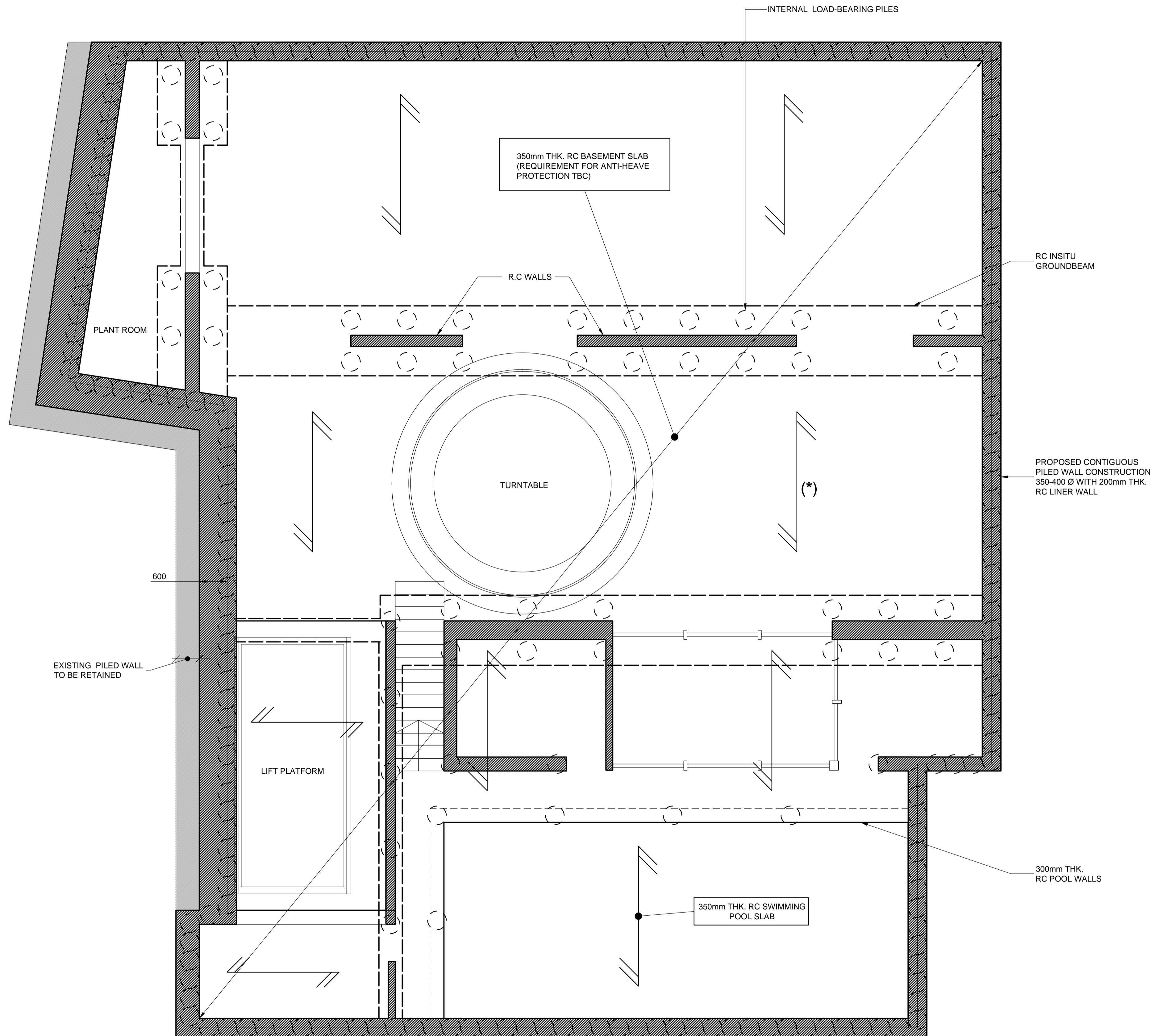


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Chris Boydell BSc CEng MStructE MICE
Tim Attwood BSc CEng MStructE
Bob Stagg BSc CEng FStructE MICE
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Ben Heath BEng CEng MStructE
Keith Hirst BEng CEng MStructE

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- LEGEND:**
-  DENOTES RC INSITU WALLS
 -  DENOTES NEW 140mm BLOCK/CAVITY/100mm BRICK WALLS
 -  DENOTES EXISTING WALLS
 -  DENOTES LOADBEARING WALLS BELOW
 -  DENOTES NEW STUD WALLS



WORK IN PROGRESS


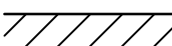

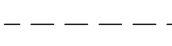
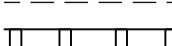
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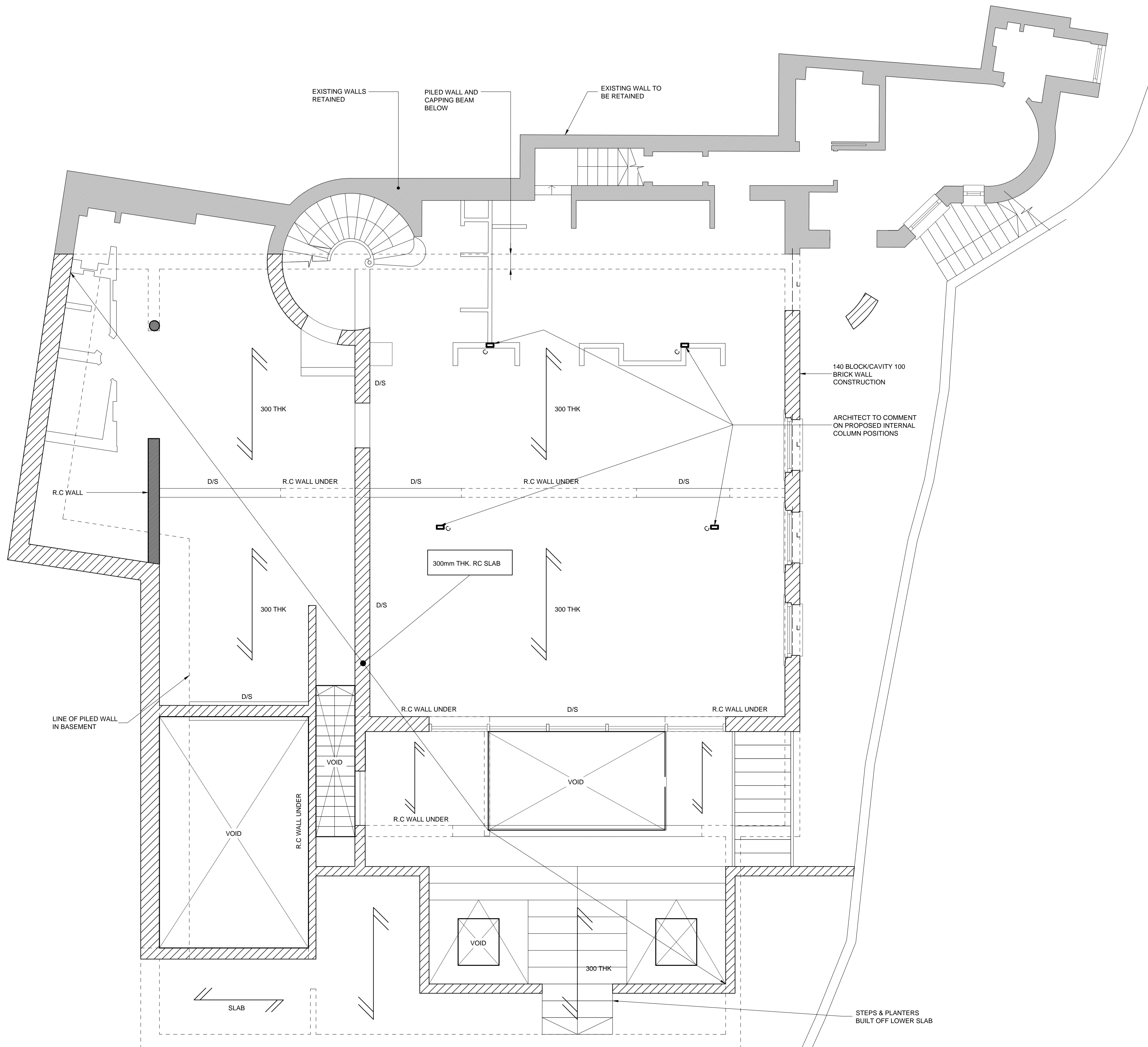
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Rev	Date	Description	Drawn / Check

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Drawing Status	Date March 2015
INFORMATION	Scale 1:50 @ A1
Project	Drawn DZ
Whitestone House London NW3 1EA	Engineer KH
Project No	Project No
	140050
Title	Drawing No
Proposed Basement PPlan	SK100
	Revision
	T1

- LEGEND:**
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 -  DENOTES EXISTING WALLS
 -  DENOTES LOADBEARING WALLS BELOW
 -  DENOTES NEW STUD WALLS



WORK IN PROGRESS

NOT FOR CONSTRUCTION

T1	X.X.X ISSUED FOR TENDER	DZ	KH
Rev	Date	Description	Drawn


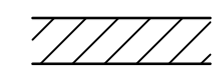

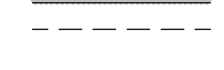
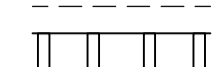
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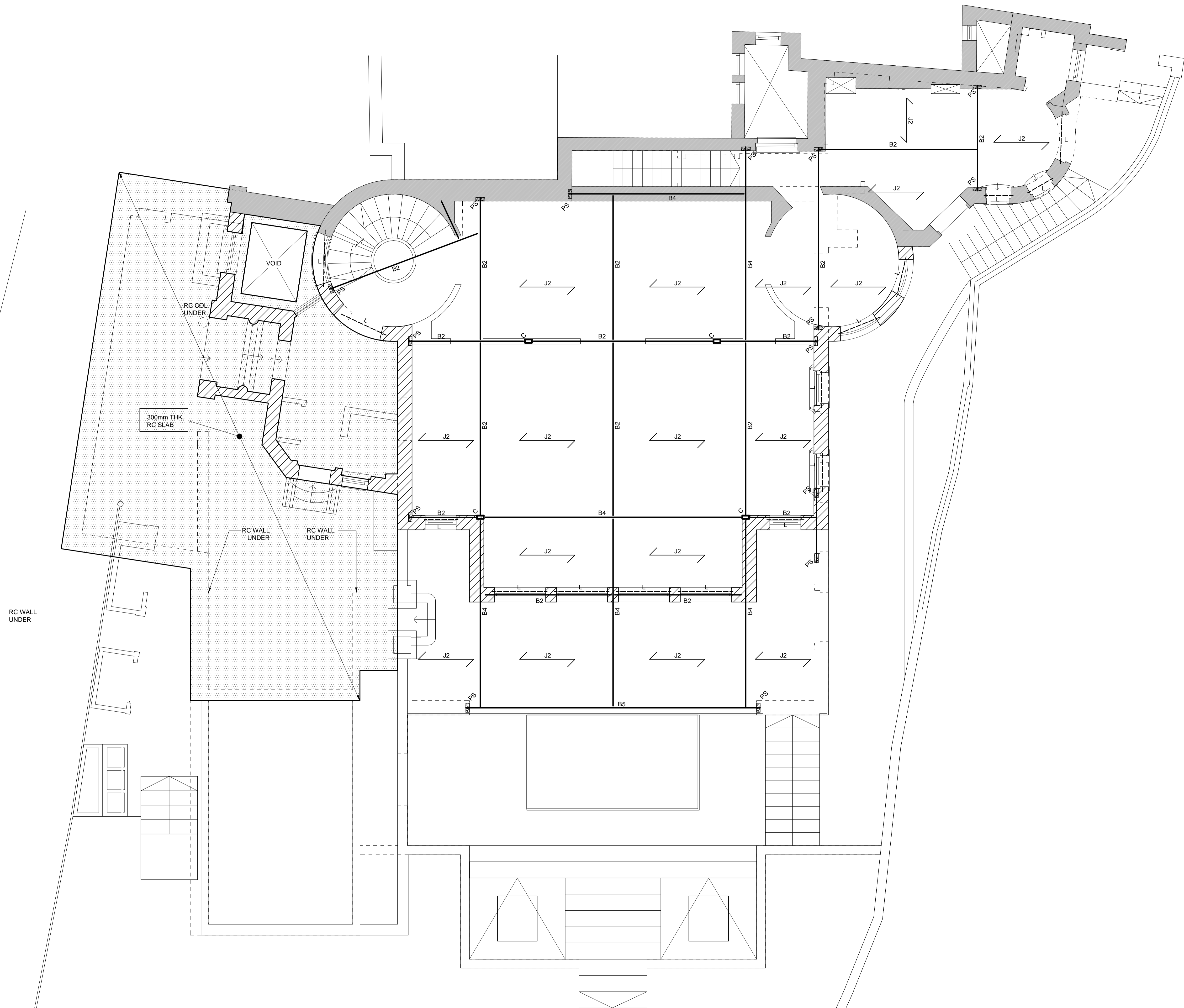
Drawing Status	Date
INFORMATION	March 2015
Project	Scale
Whitestone House	1:50 @ A1
London NW3 1EA	Drawn
	DZ
	Engineer
	KH
	Project No
	140050
	Drawing No
	SK101
	Revision
	T1

Proposed Lower Ground Floor Plan

LEGEND:

-  DENOTES RC INSITU WALLS
-  DENOTES NEW 140mm BLOCK/CAVITY/100mm BRICK WALLS
-  DENOTES EXISTING WALLS
-  DENOTES LOADBEARING WALLS BELOW
-  DENOTES NEW STUD WALLS

STRUCTURE SCHEDULE	
MARK	DESCRIPTION
C	200x100 RHS COLUMN
CU	COLUMN UNDER
B1	203 UC 60
B2	203 UC 46
B3	203 x 102 UB
B4	203 UC 86
B5	305 UC 198
PS	INSITU PADSTONE
J1	200 x 50 C16 JOISTS @ 400 CTRS
J2	225 x 150 C16 JOISTS @ 400 CTRS
R1	150 x 150 C16 RAFTERS @ 450 CTRS



WORK IN PROGRESS

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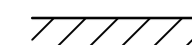

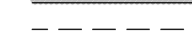
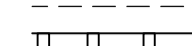
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Rev	Date	Description	Drawn	Check

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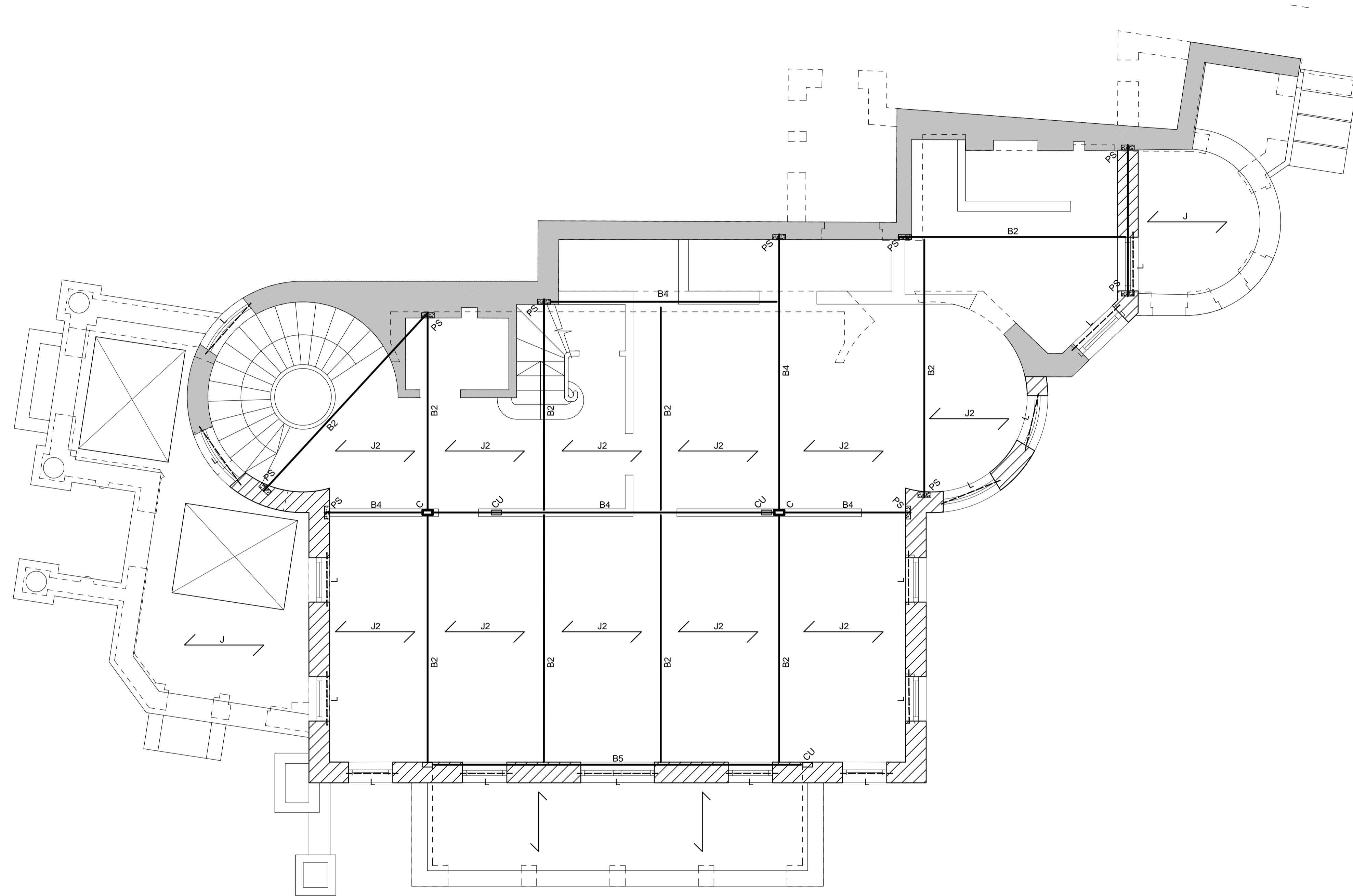
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Drawing Status	Date
INFORMATION	March 2015
Project	Scale
Whitestone House	1:50 @ A1
London NW3 1EA	Drawn
	DZ
	Engineer
	KH
	Project No
	140050
	Drawing No
Proposed Ground Floor Plan	SK102
	Revision
	T1

LEGEND:

-  DENOTES RC INSITU WALLS
-  DENOTES NEW 140mm BLOCK/CAVITY/100mm BRICK WALLS
-  DENOTES EXISTING WALLS
-  DENOTES LOADBEARING WALLS BELOW
-  DENOTES NEW STUD WALLS

STRUCTURE SCHEDULE	
MARK	DESCRIPTION
C	200x100 RHS COLUMN
CU	COLUMN UNDER
B1	203 UC 60
B2	203 UC 46
B3	203 x 102 UB
B4	203 UC 86
B5	305 UC 198
PS	INSITU PADSTONE
J1	200 x 50 C16 JOISTS @ 400 CTRS
J2	225 x 150 C16 JOISTS @ 400 CTRS
R1	150 x 150 C16 RAFTERS @ 450 CTRS



WORK IN PROGRESS

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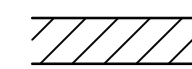

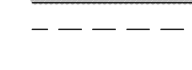
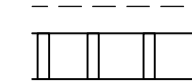
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Rev	Date	Description	Drawn	Check

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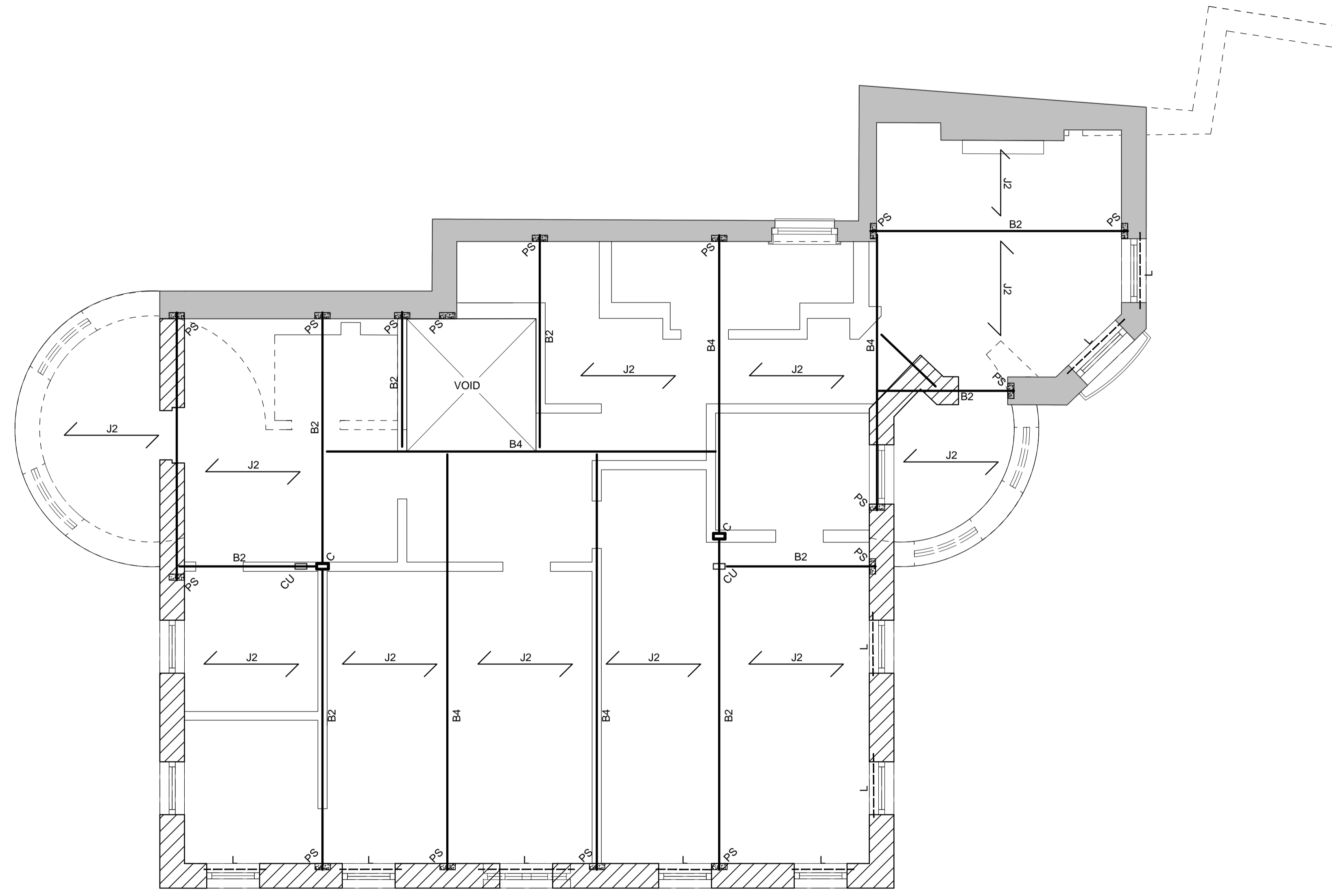
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Drawing Status	Date	March 2015
TENDER	Scale	1:50 @ A1
Project	Drawn	DZ
Whitestone House London NW3 1EA	Engineer	KH
	Project No	140050
	Drawing No	SK103
	Revision	T1

LEGEND:

-  DENOTES RC INSITU WALLS
-  DENOTES NEW 140mm BLOCK/CAVITY/100mm BRICK WALLS
-  DENOTES EXISTING WALLS
-  DENOTES LOADBEARING WALLS BELOW
-  DENOTES NEW STUD WALLS

STRUCTURE SCHEDULE	
MARK	DESCRIPTION
C	200x100 RHS COLUMN
CU	COLUMN UNDER
B1	203 UC 60
B2	203 UC 46
B3	203 x 102 UB
B4	203 UC 86
B5	305 UC 198
PS	INSITU PADSTONE
J1	200 x 50 C16 JOISTS @ 400 CTRS
J2	225 x 150 C16 JOISTS @ 400 CTRS
R1	150 x 150 C16 RAFTERS @ 450 CTRS



WORK IN PROGRESS

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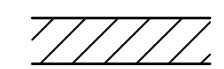

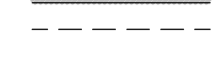
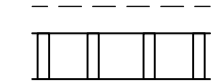
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Rev	Date	Description	Drawn	Check

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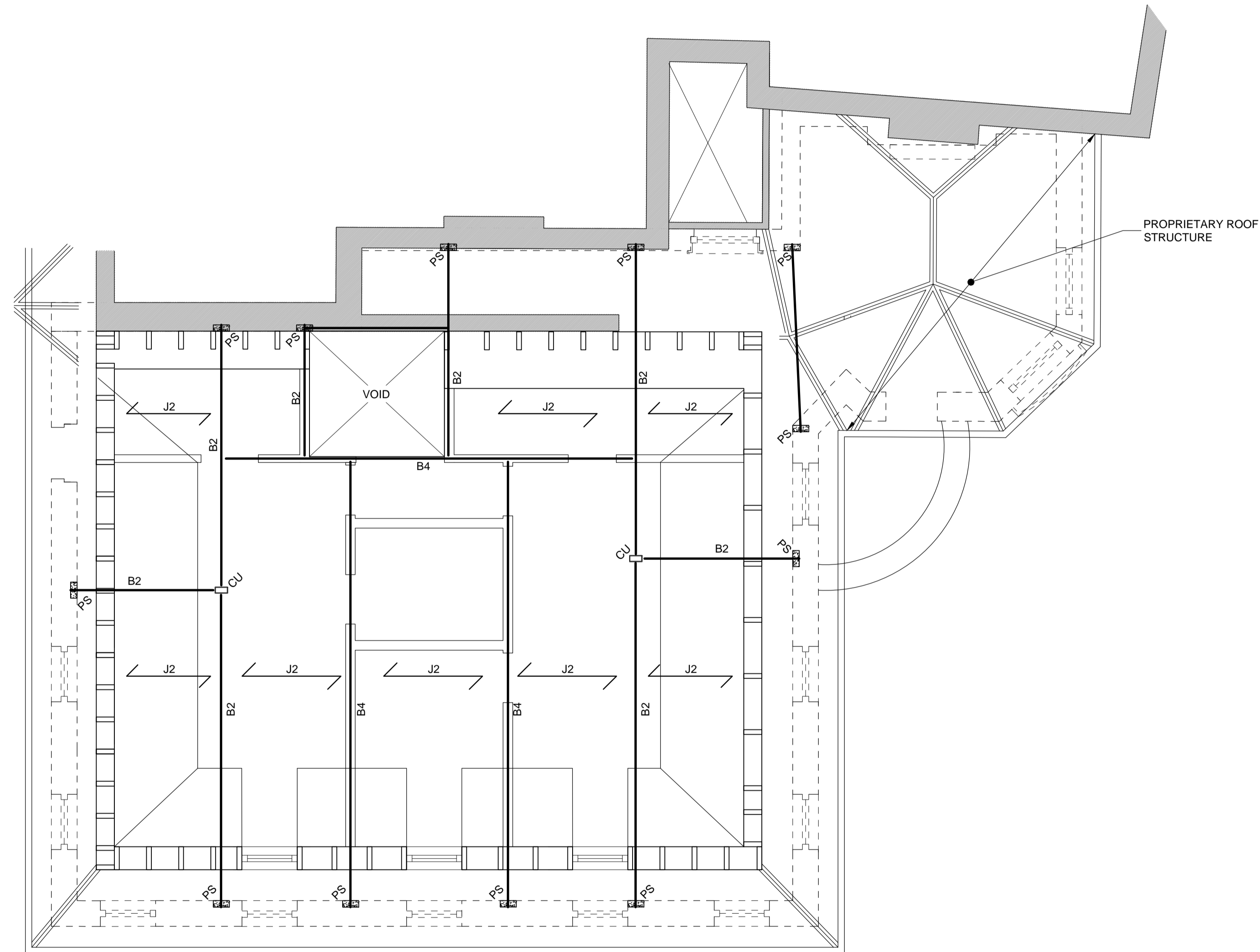
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Drawing Status	Date	March 2015
INFORMATION		
Project	Whitestone House London NW3 1EA	Scale 1:50 @ A1
Project No	140050	Drawn DZ
Engineer	KH	Engineer KH
Title	Proposed Second Floor Plan	Drawing No SK104
Revision	T1	

LEGEND:

-  DENOTES RC INSITU WALLS
-  DENOTES NEW 140mm BLOCK/CAVITY/100mm BRICK WALLS
-  DENOTES EXISTING WALLS
-  DENOTES LOADBEARING WALLS BELOW
-  DENOTES NEW STUD WALLS

STRUCTURE SCHEDULE	
MARK	DESCRIPTION
C	200x100 RHS COLUMN
CU	COLUMN UNDER
B1	203 UC 60
B2	203 UC 46
B3	203 x 102 UB
B4	203 UC 86
B5	305 UC 198
PS	INSITU PADSTONE
J1	200 x 50 C16 JOISTS @ 400 CTRS
J2	225 x 150 C16 JOISTS @ 400 CTRS
R1	150 x 150 C16 RAFTERS @ 450 CTRS



WORK IN PROGRESS

NOT FOR CONSTRUCTION


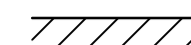

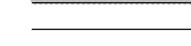
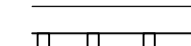
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Rev	Date	Description	Drawn	Check

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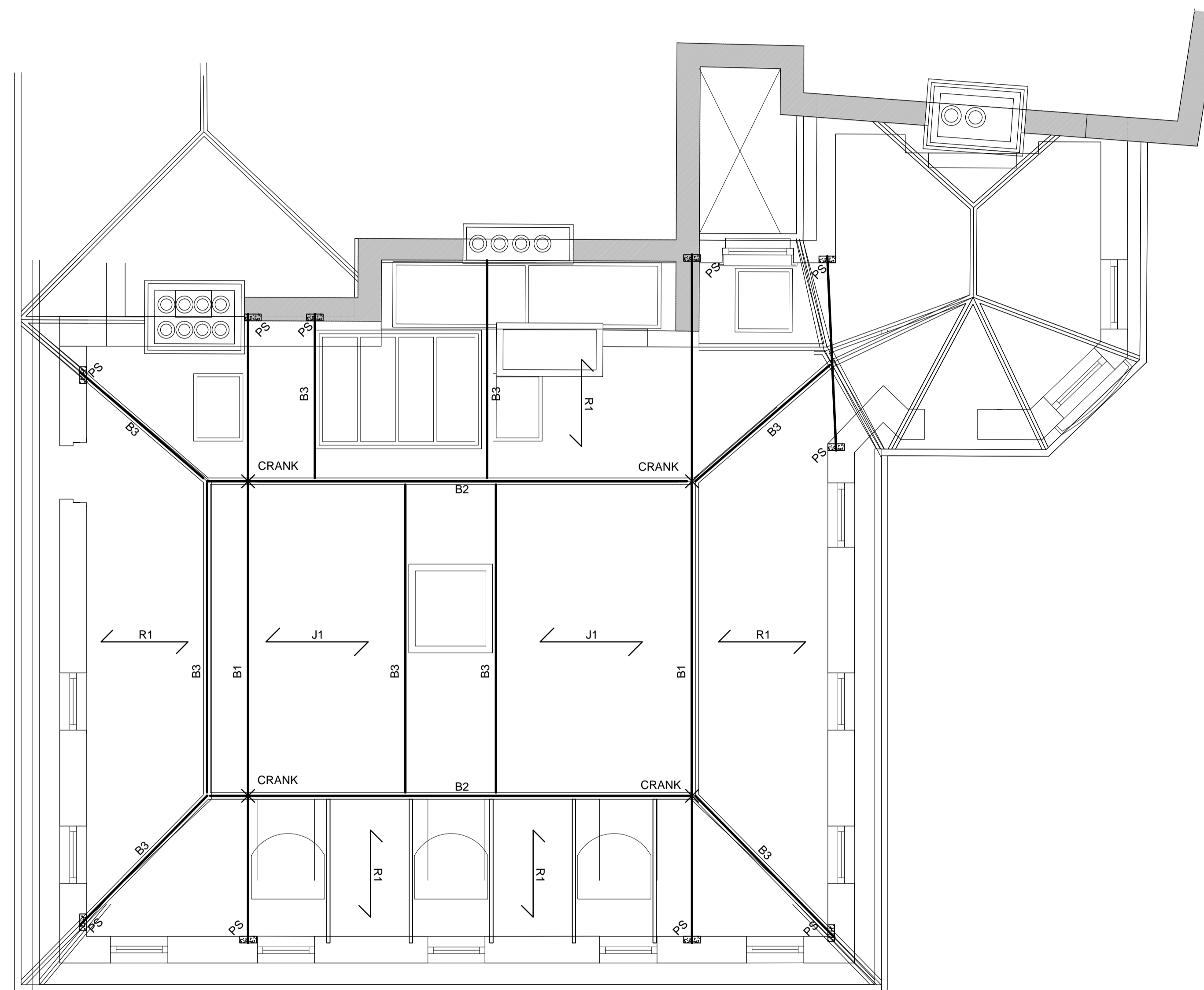
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Drawing Status	Date	March 2015
INFORMATION		
Project	Whitestone House London NW3 1EA	Scale 1:50 @ A1
Project No	140050	Drawn DZ
Title	Proposed Third Floor Plan	Engineer KH
Revision	T1	Drawing No SK105

LEGEND:

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-  DENOTES NEW 140mm BLOCK/CAVITY/100mm BRICK WALLS
-  DENOTES EXISTING WALLS
-  DENOTES LOADBEARING WALLS BELOW
-  DENOTES NEW STUD WALLS

STRUCTURE SCHEDULE	
MARK	DESCRIPTION
C	200x100 RHS COLUMN
CU	COLUMN UNDER
B1	203 UC 60
B2	203 UC 46
B3	203 x 102 UB
B4	203 UC 86
B5	305 UC 198
PS	INSITU PADSTONE
J1	200 x 50 C16 JOISTS @ 400 CTRS
J2	225 x 150 C16 JOISTS @ 400 CTRS
R1	150 x 150 C16 RAFTERS @ 450 CTRS



WORK IN PROGRESS

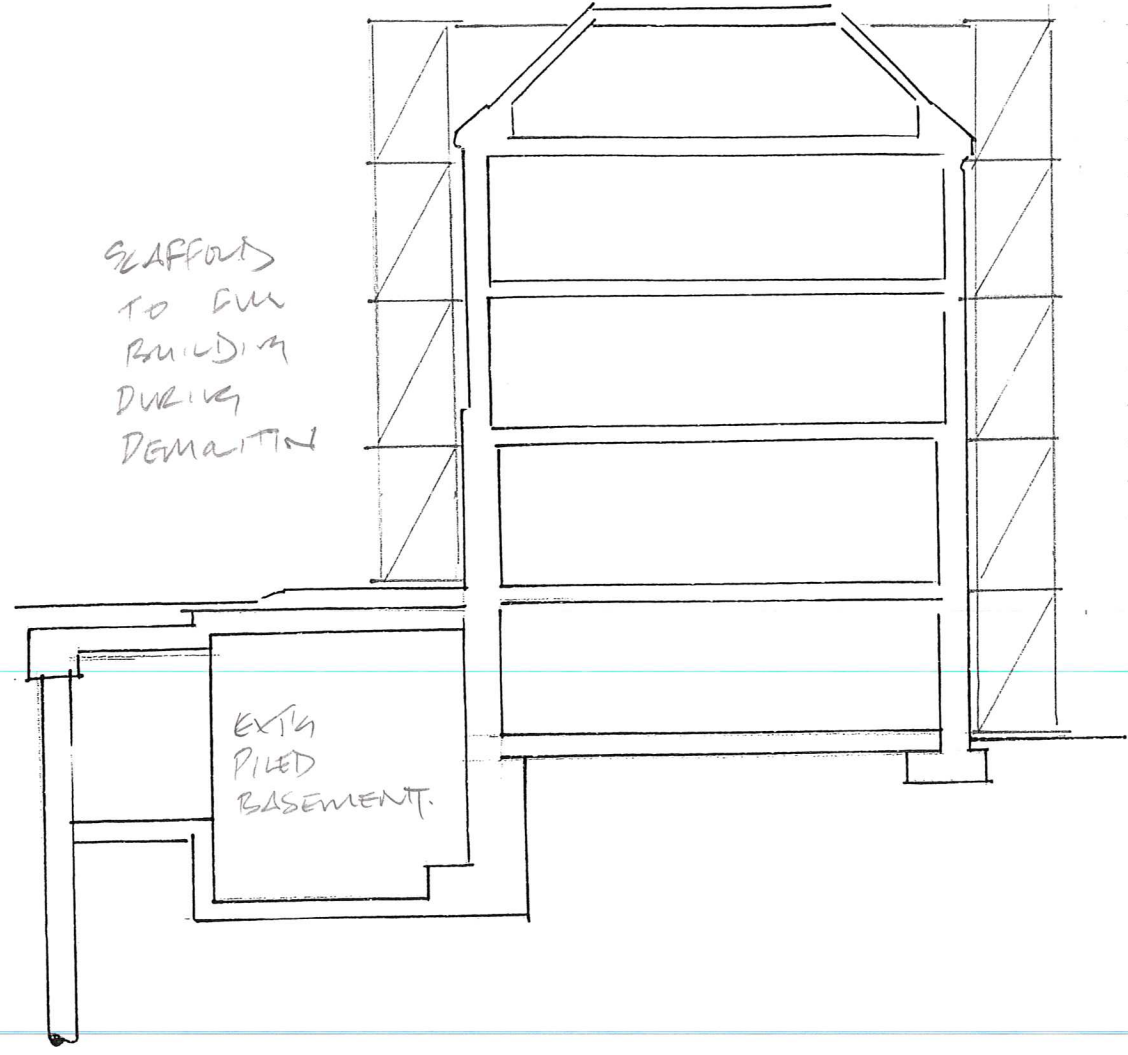
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T1	X.X.X	ISSUED FOR TENDER	DZ	KH
Rev	Date	Description	Drawn	Check

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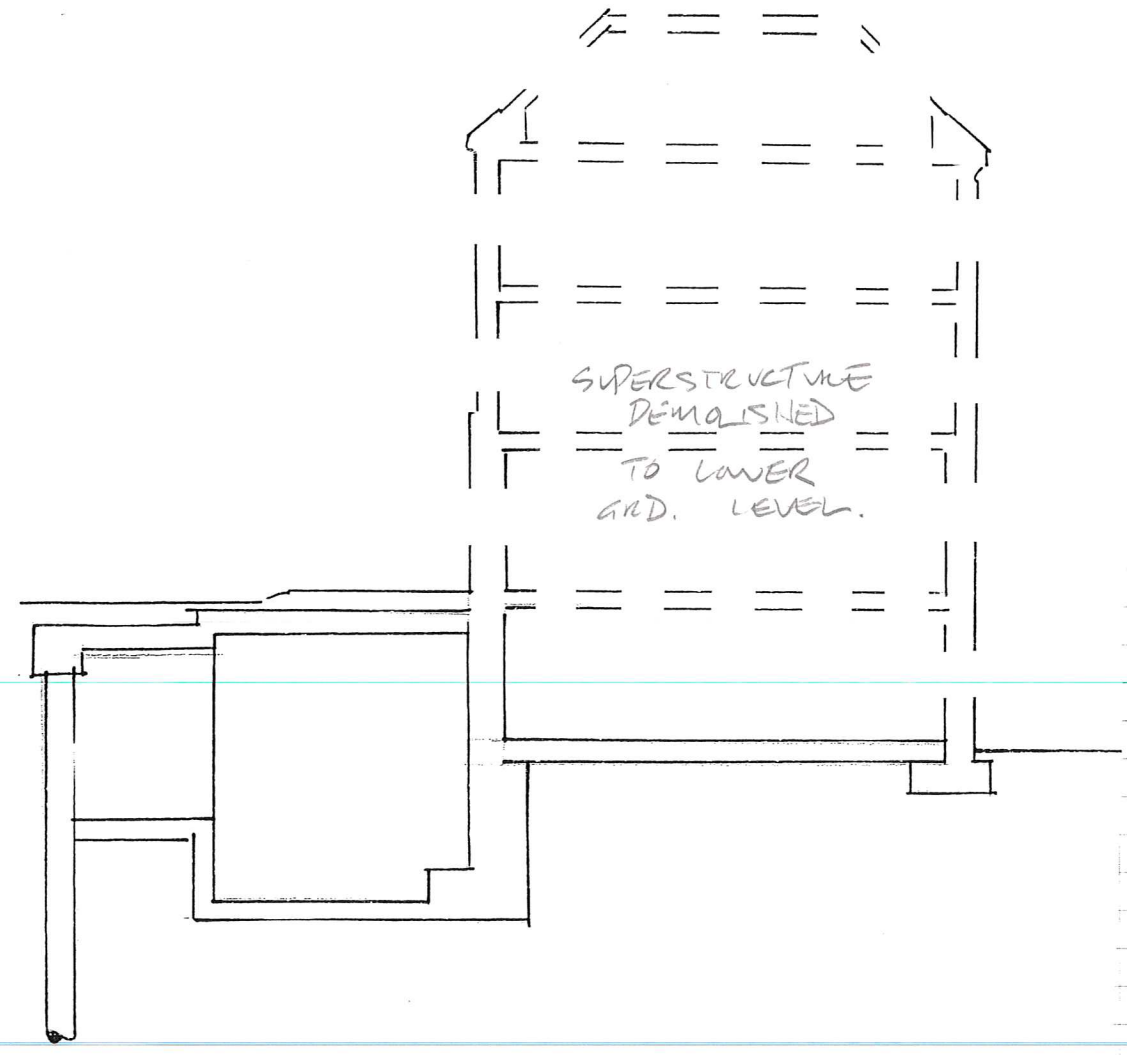
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Drawing Status	Date	March 2015
INFORMATION		
Project	Whitestone House London NW3 1EA	Scale 1:50 @ A1
Project No	140050	Drawn DZ
Title	Proposed Roof Plan	Engineer KH
Drawing No	SK106	Project No
Revision	T1	Drawing No



STAGE 1.

- SITE SET UP AND MOBILISATION.
- ERECT SCAFFOLDING + SET STRIP.



STAGE 2

- DEMOLISH SUPERSTRUCTURE IN REVERSE ORDER OF CONSTRUCTION.
- DEMOLISH TO EXTRA GROUND LEVEL.

rev.	date	drawing status	INFORMATION
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		checked	
		job no.	CMS 01
		drw no.	
		rev	

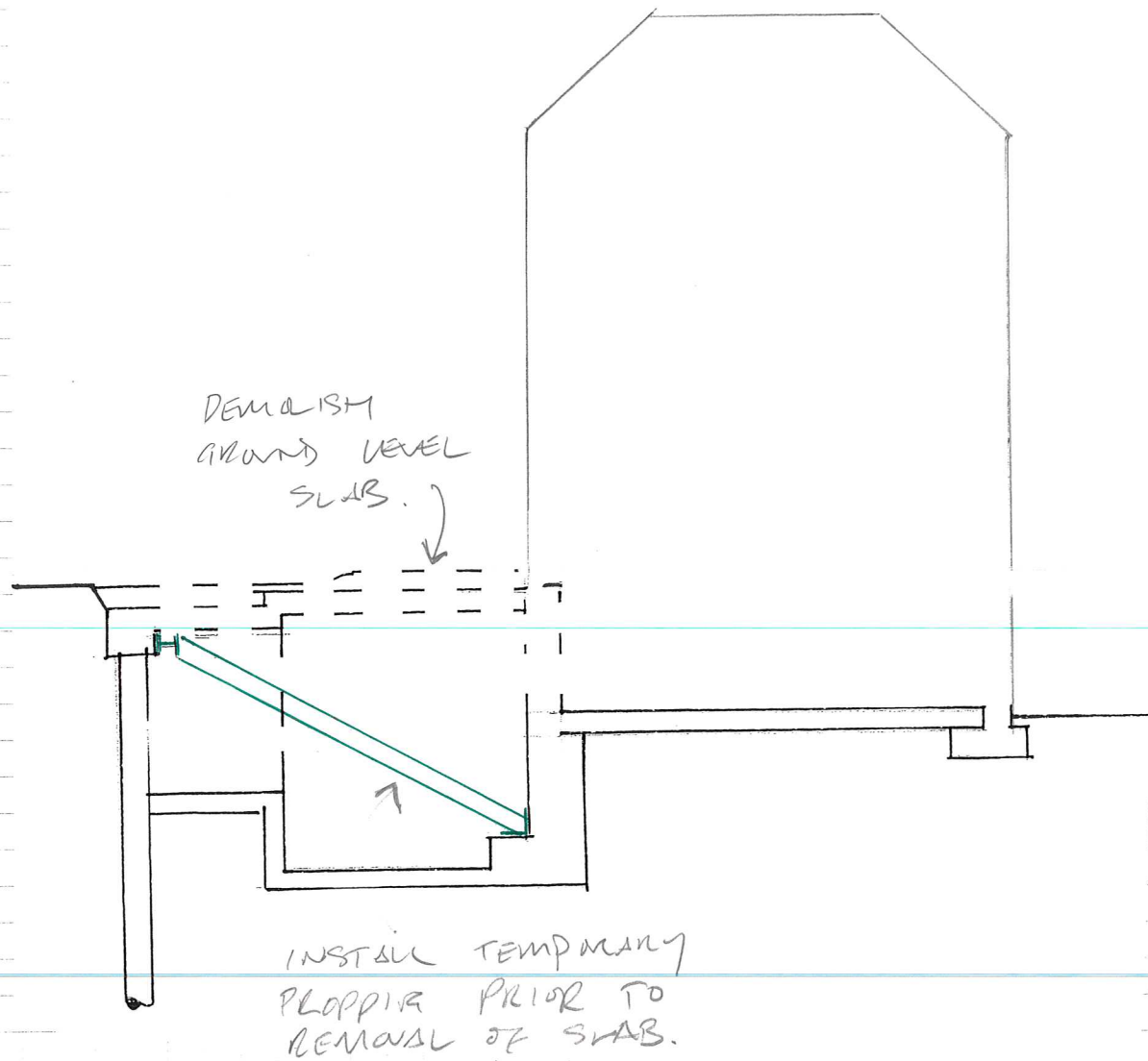
project
WHITESTONE HOUSE

title
ATLINE CONSTRUCTION METHOD (1023)

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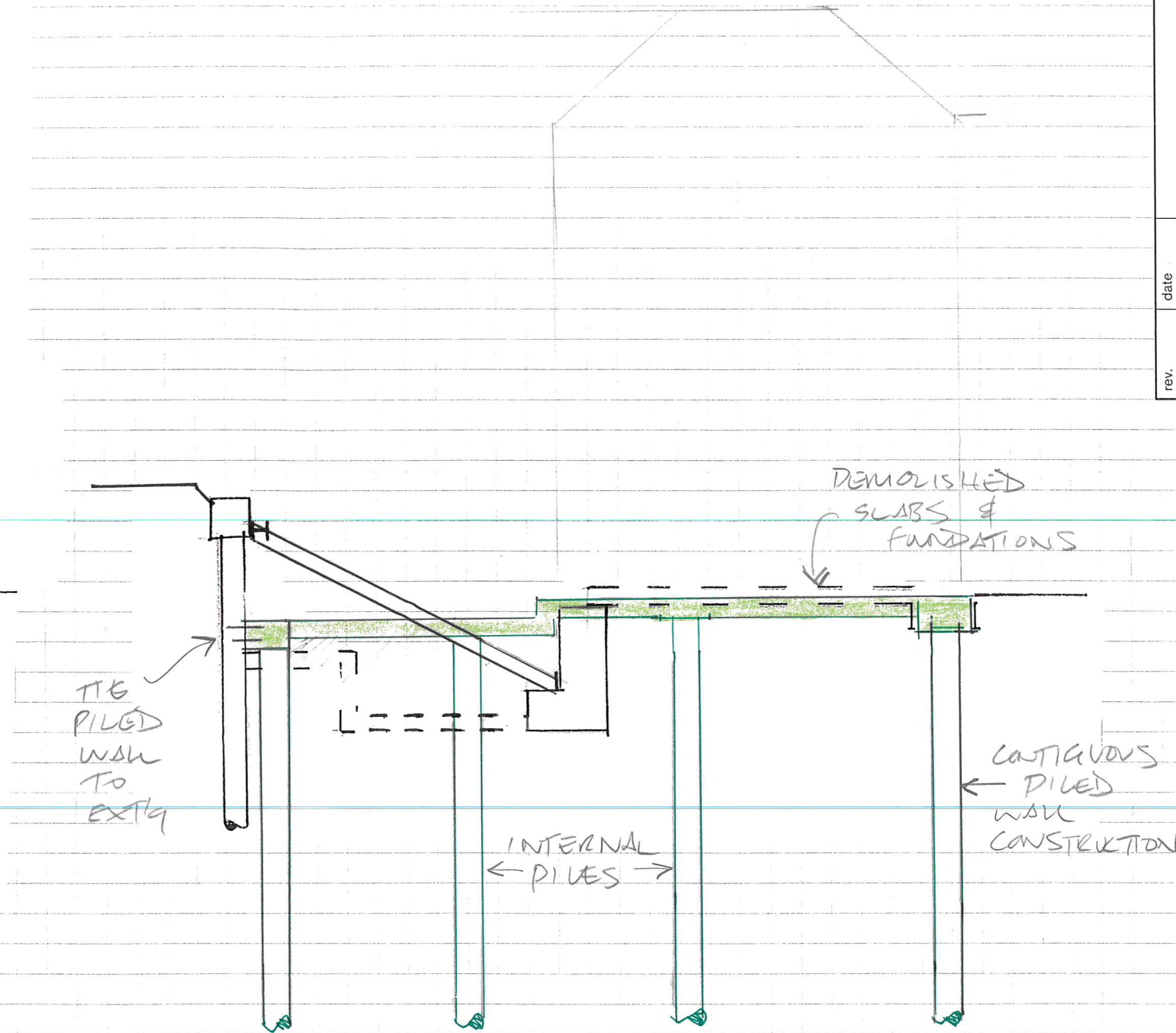
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STAGE 3.

- INSTALL TEMPORARY PROPS TO LATERALLY SUPPORT HEADS OF EXTERIOR PILED WALL.
- REMOVE EXTERIOR GROUND FLOOR SLAB.



STAGE 4.

- COMMENCE REMOVAL OF BELOW GROUND CONCRETE WORKS (RETAINING WALLS, UNDERPINNED FOUNDATIONS ETC.)
- INSTALL CONTIGUOUS PILED WALL & INTERNAL PILES.
- INSTALL CAPPING BEAM.
- CAST LOWER GROUND FLOOR SLAB (OFF CAPPING BEAM & INTERNAL SUPPORTS)

rev.	date	drawing status	INFORMATION	drawn	checked	rev
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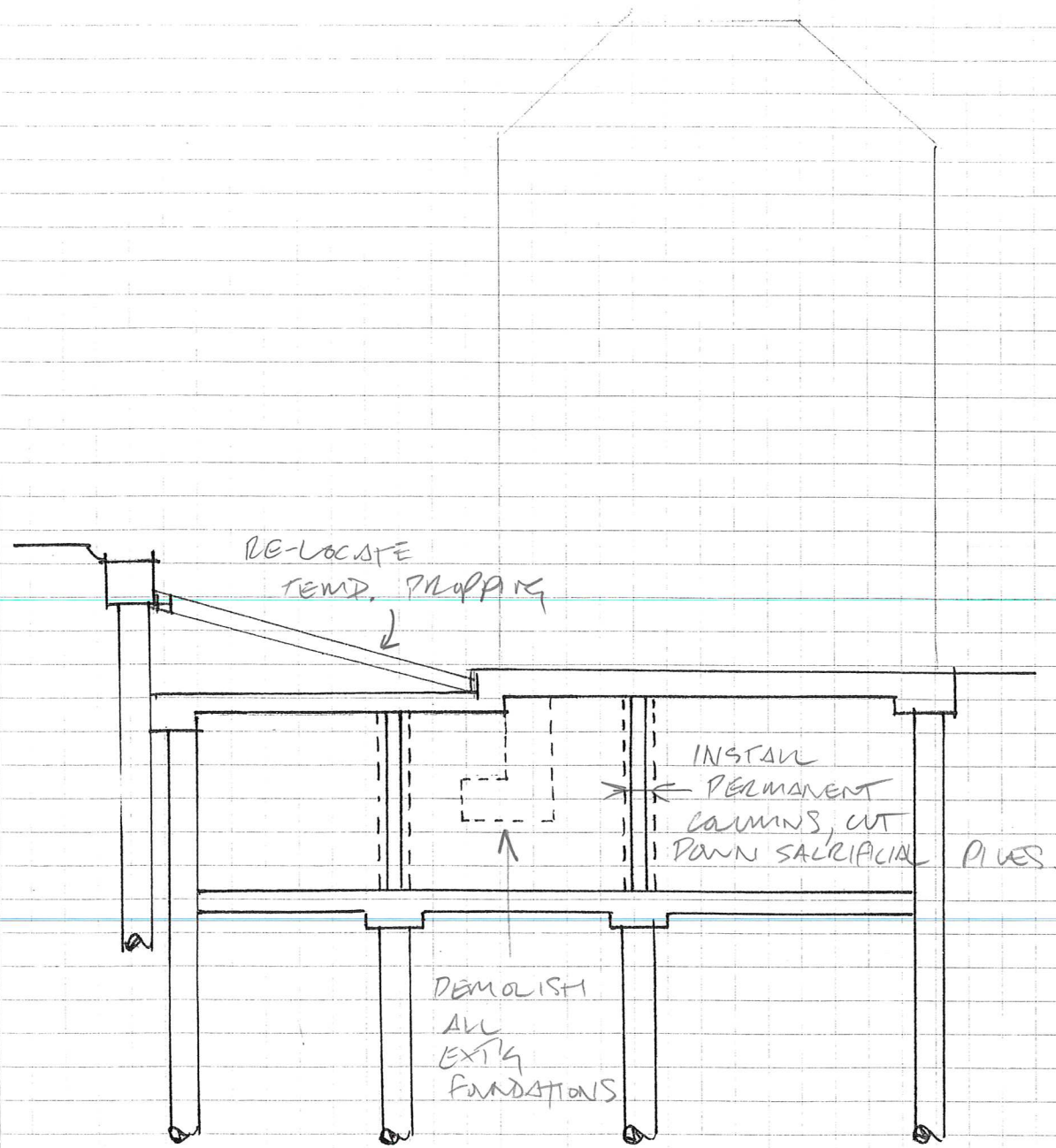
project
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title
OUTLINE CONSTRUCTION METHOD (2013)

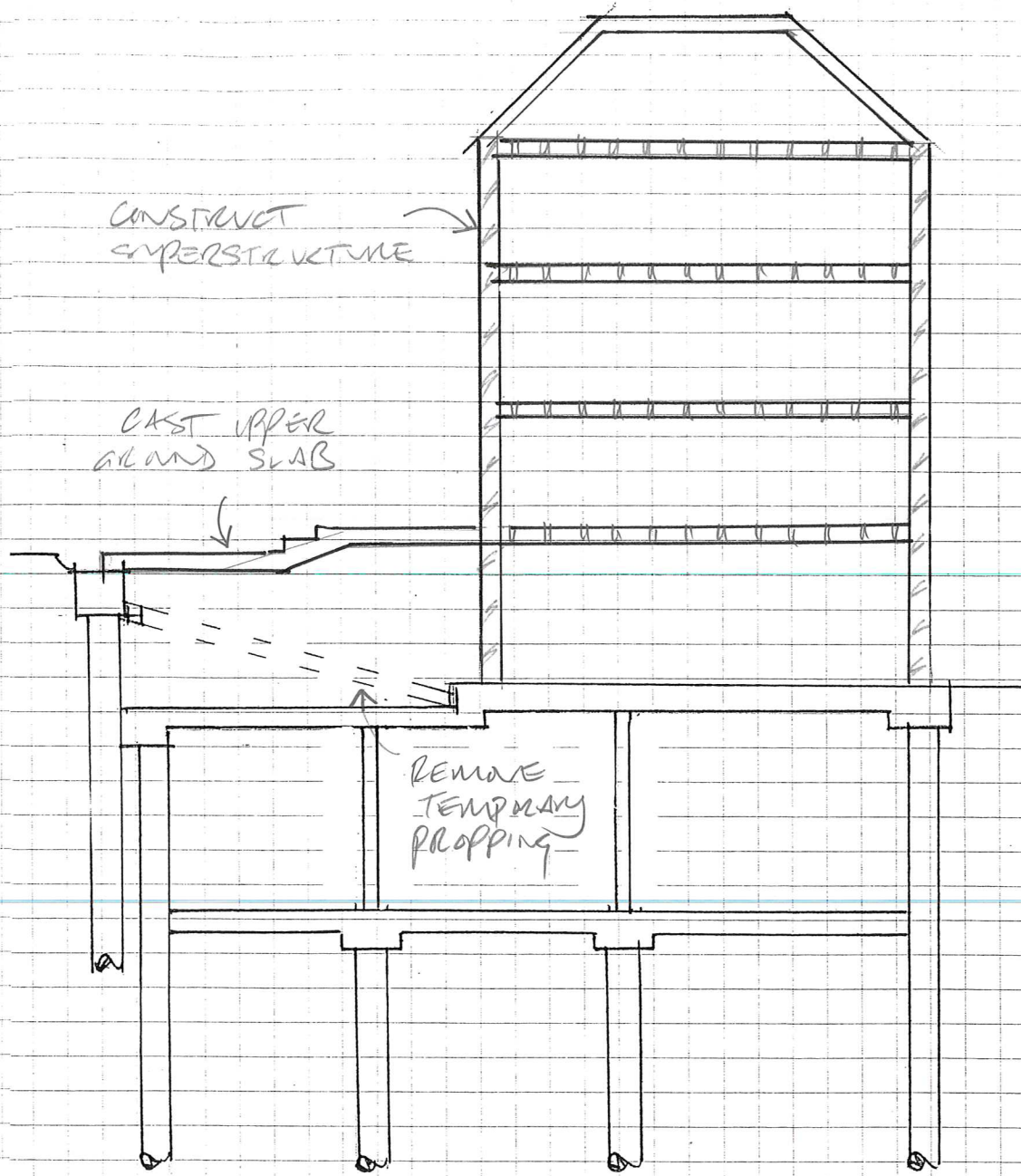
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STAGE 5.



STAGE 6.

• EXCAVATE TO BASEMENT LEVEL + CAST SLAB.

• MOVE TEMPORARY PROPPING TO HIGH LEVEL CAPPING BEAM. REMOVE ANY ASSOCIATED SUPPORTS.

• INSTALL PERMANENT BASEMENT COLUMNS. CUT DOWN TEMPORARY SUPPORT PILES.

• INSTALL LINER WALL, DRAINAGE ETC.

• COMMENCE SUPERSTRUCTURE. CAST UPPER GRAND LEVEL SLAB.

• REMOVE TEMPORARY PROPS TO EXTRA PILED WALL

• COMPLETE CONSTRUCTION OF SUPERSTRUCTURE.

rev.	date	drawing status	INFORMATION
scale	1:200EAS	date	06/14
job no.	1450(0)	drn no.	CMS 03
drawn	ETH	checked	
rev			

project	WHITESTONE HOUSE
title	OUTLINE CONSTRUCTION METHOD (S+3)

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