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C1	11/09/06	JL	JB	BJ
	Issued Fo	r Constructi	on	
Issue	Date	Ву	Chkd	Appd

Manhattan Lofts

Corporation Limited

St. Pancras Chambers

Drawing Title

Infilling of Basement Under Midland Road

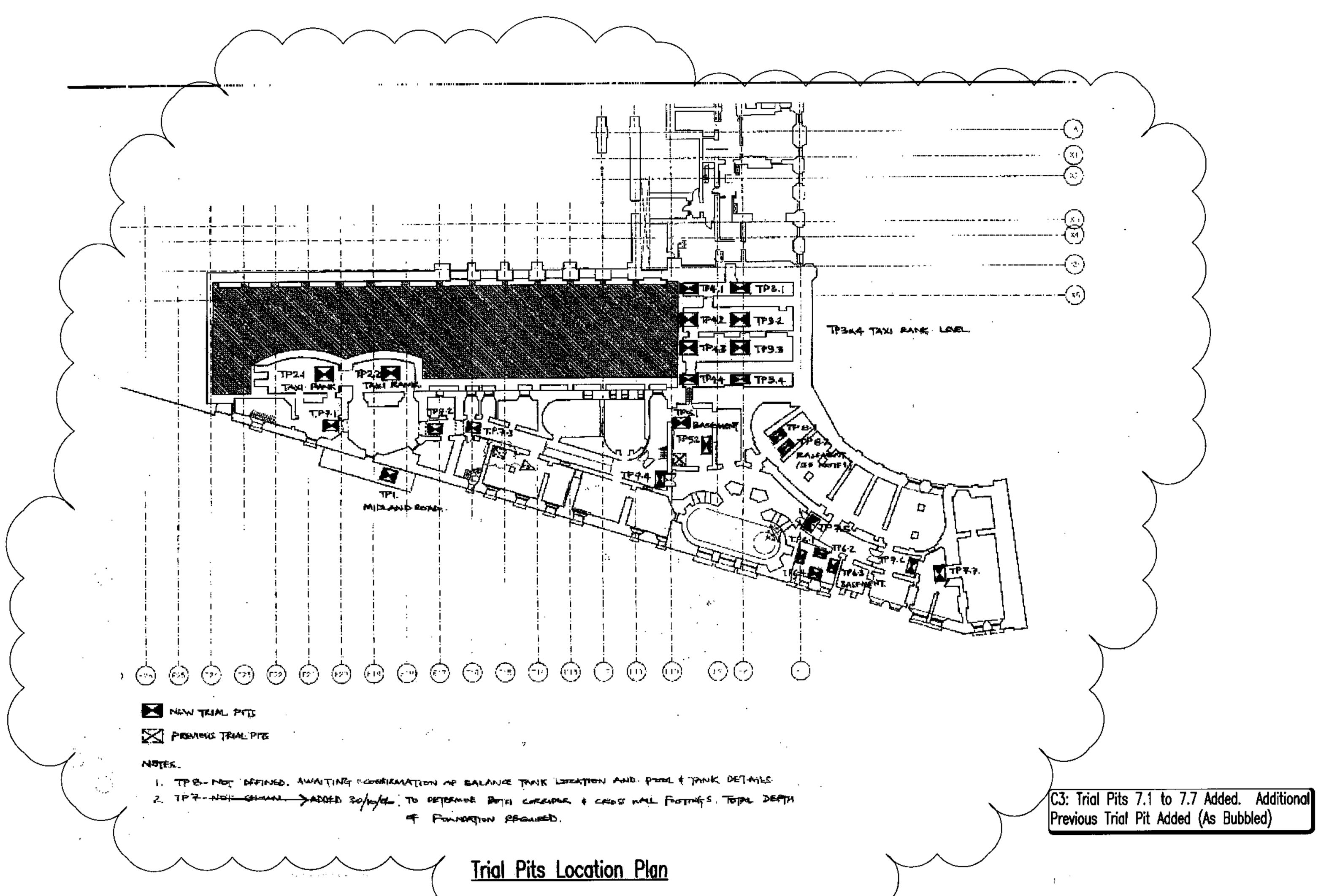
DFAB69AF-5E4D-4F73-9221-6A6EBDE81E7C

Drawing Status Construction

## St Pancras Chambers Trial Pits investigations required

<b>f</b>	Location	Commentary
TPI	Midland Road	Over basement space, as part of investigation into condition of Room 6A on 118000 SKS-117 rev A. May not be required if room backfilled.
TP2	Taxi Rank	Over existing Boiler Rooms, 2 & 3 on 118000 SKS-117 rev A, as part of roof investigation
TP3	Taxi Rank	Series of pits at position of southern glazed screen to determine clearance to brick arches beneath.
TP4	Taxi Rank	Series of pits at southern end of Taxi Rank, under Chambers Building required wherever architectural sections show any reduction in the existing road or pavement levels to install the new works. Pits to determine clearance to brick arches beneath.
TP5	Lift 2, 3 & 4	Pits to determine widths and depth of existing footings. To include chemical testing of soil to determine measures required when disposing of fill.
TP6	Lift 1 Stair 3	Pits to determine widths and depth of existing footings. To include chemical testing of soil to determine measures required when disposing of fill.
TP7	Chambers (Pistol Grip) basement	Pits required to confirm the invert levels of the under-slab drainage, by determining depths of the existing footings along the drain runs.
TP8	Chambers (Pistol Grip) basement	Swimming pool balance tank room. Pits to determine widths and depth of existing footings. To include chemical testing of soil to determine measures required when disposing of fill. Chemical testing also in swimming pool room.

Trial Pits Investigations Required



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	Issued Fo	r Constructi	on			
C2	11/09/06	JL	JB	BJ		
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СЗ	30/10/06	JL	JB	₿J		

# ARIJI

13 Fitzroy Street London W1T 4BQ Tel +44 (0)20 7636 1531 Fax +44 (0)20 7580 39 www.arup.com

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loh Title

St. Pancras Chambers

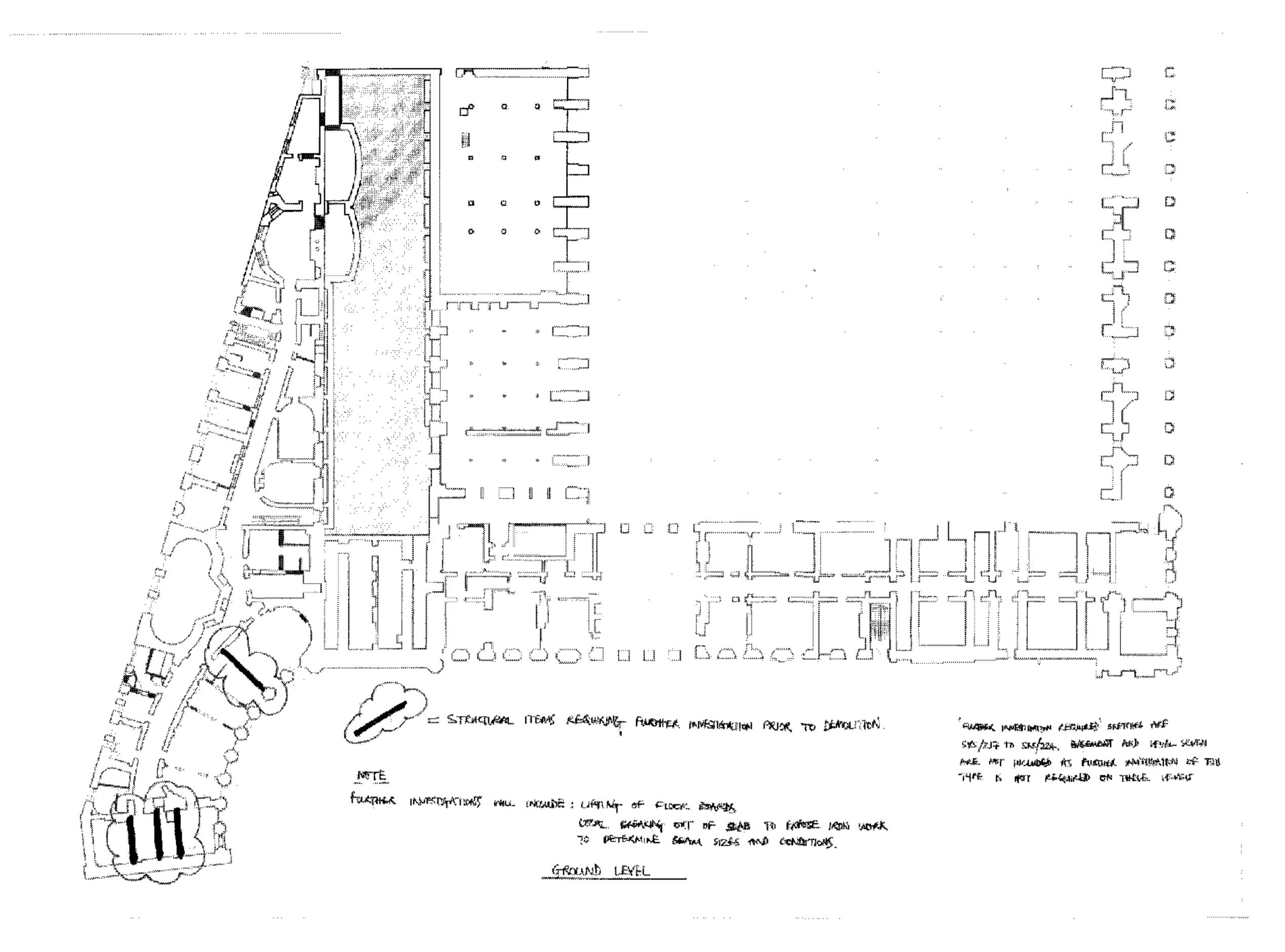
Trial Pits
Investigation Works

Scale at A1

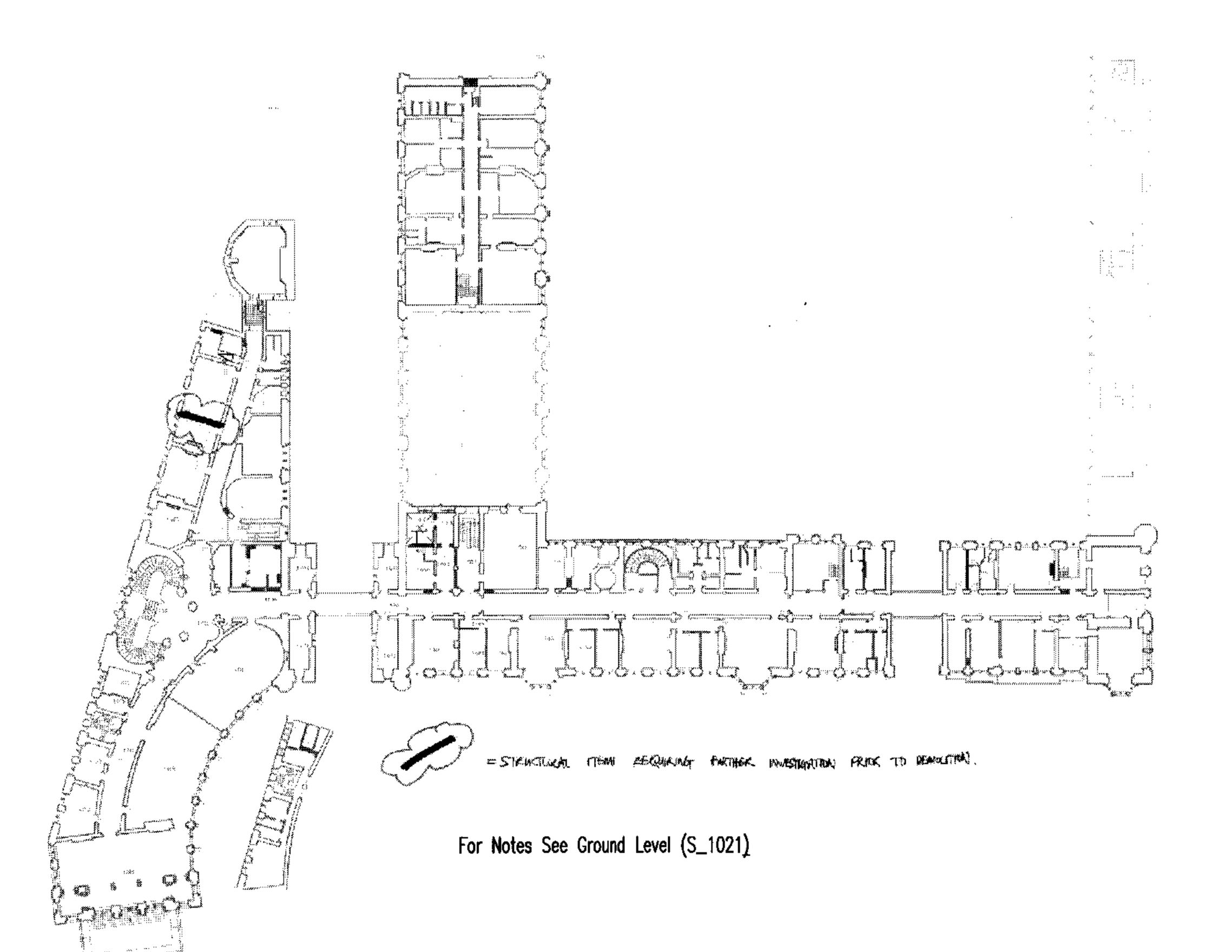
Plot ID 87EACA54-141A-4828-AA13-BE28DD18A311 Drawing Status

Construction

S\_1020

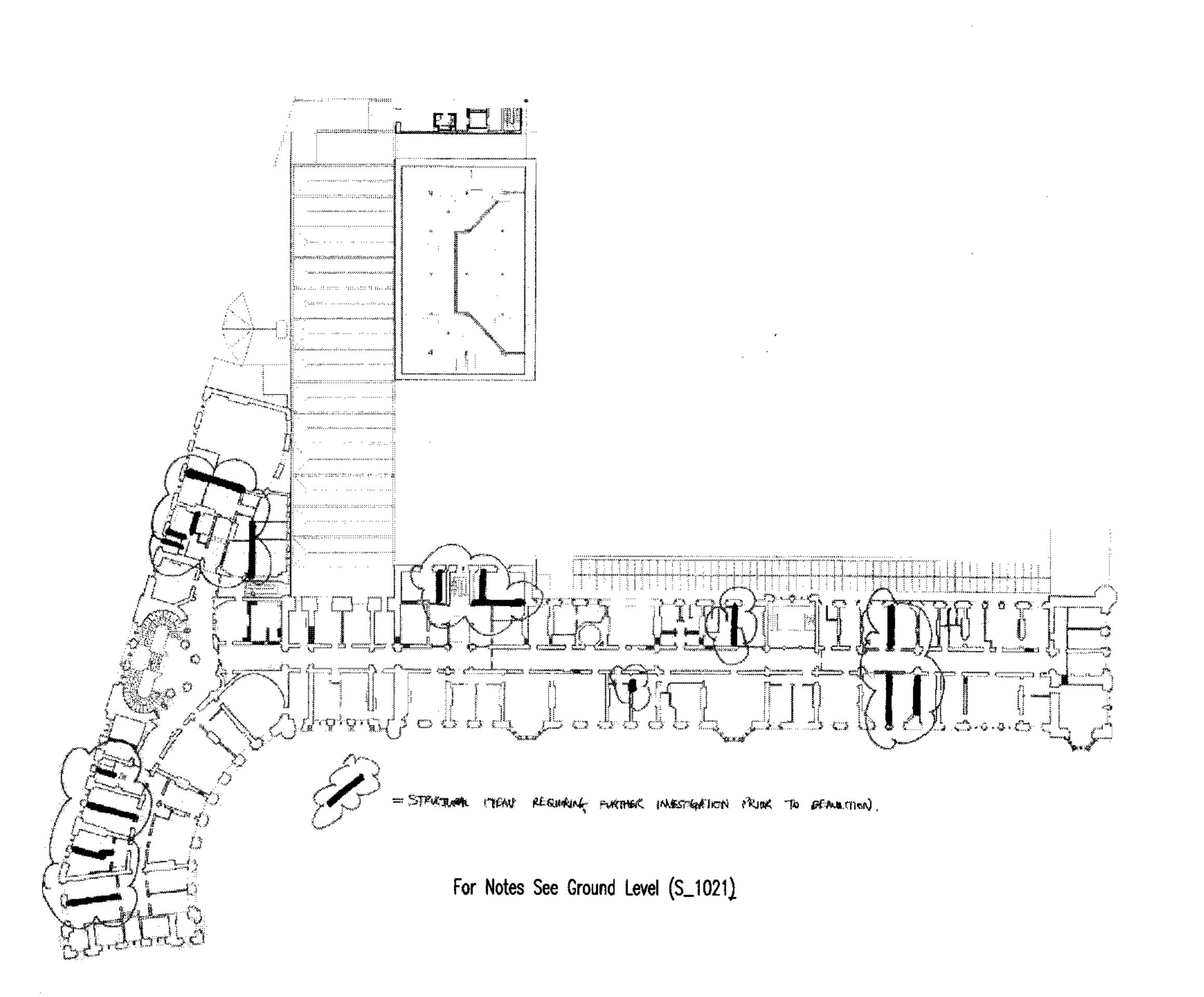


Ground Level



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<u>Platform Level</u>



Level 2

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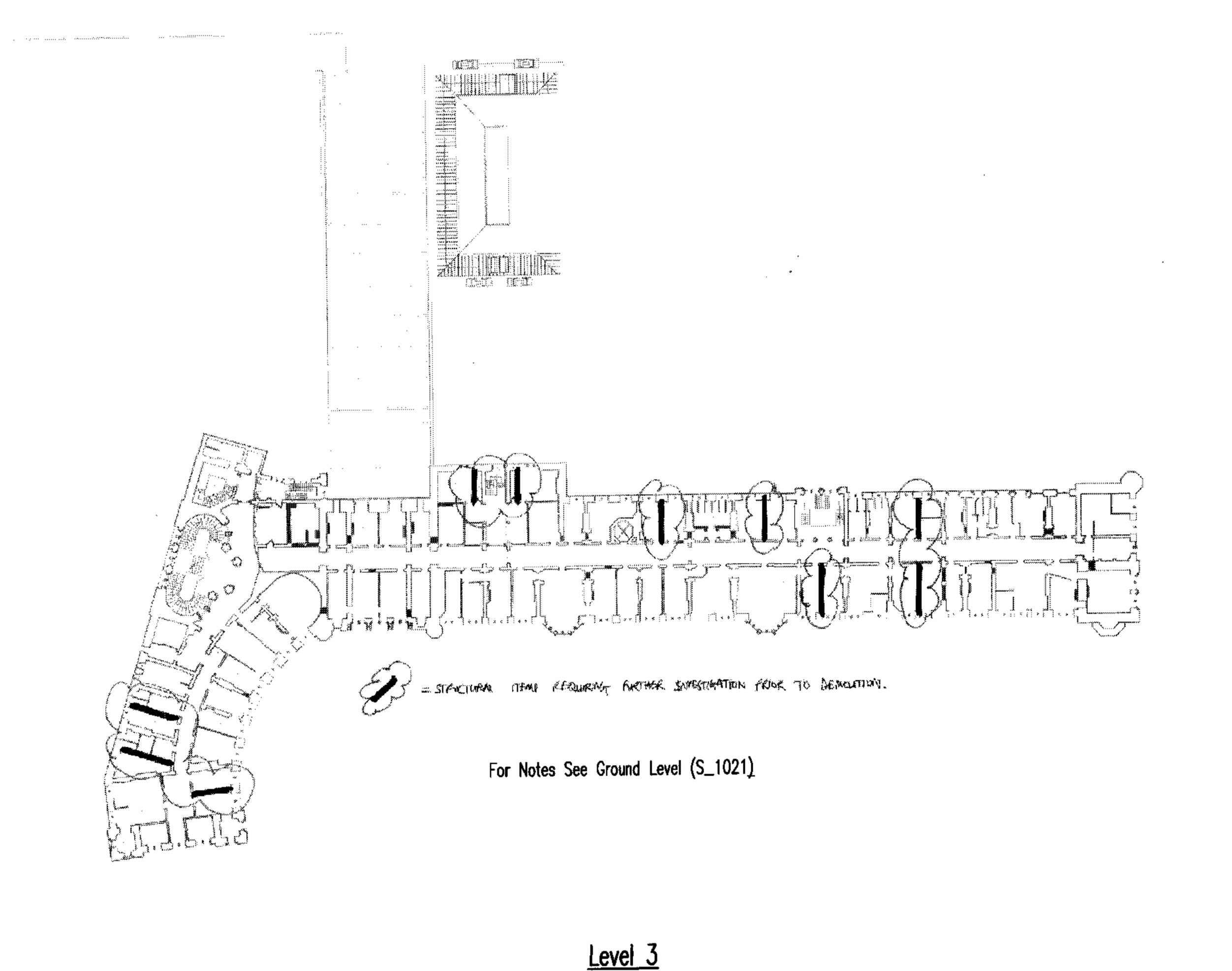
St. Pancras Chambers

Drawing Title Locations Requiring Further Structural Investigation

Construction

S\_1021

Level 1



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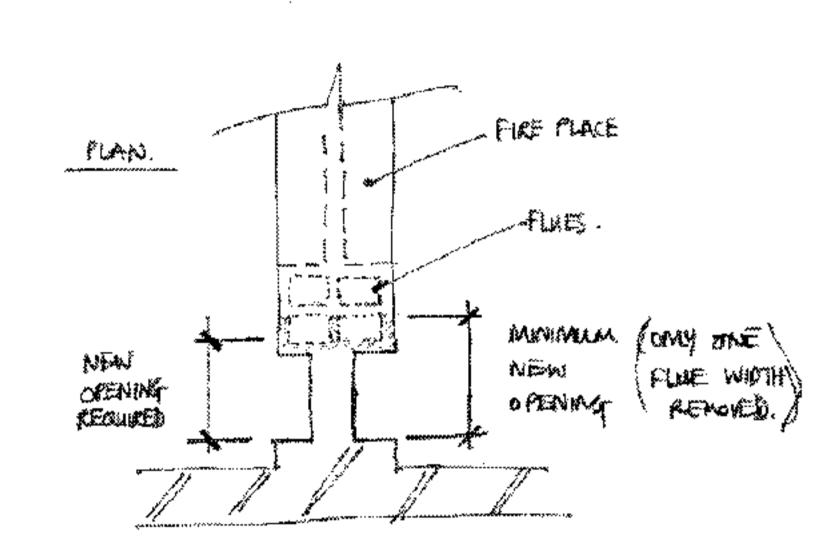
Drawing Title Locations Requiring Further Structural Investigation

Drawing Status Construction Drawing No S\_1022

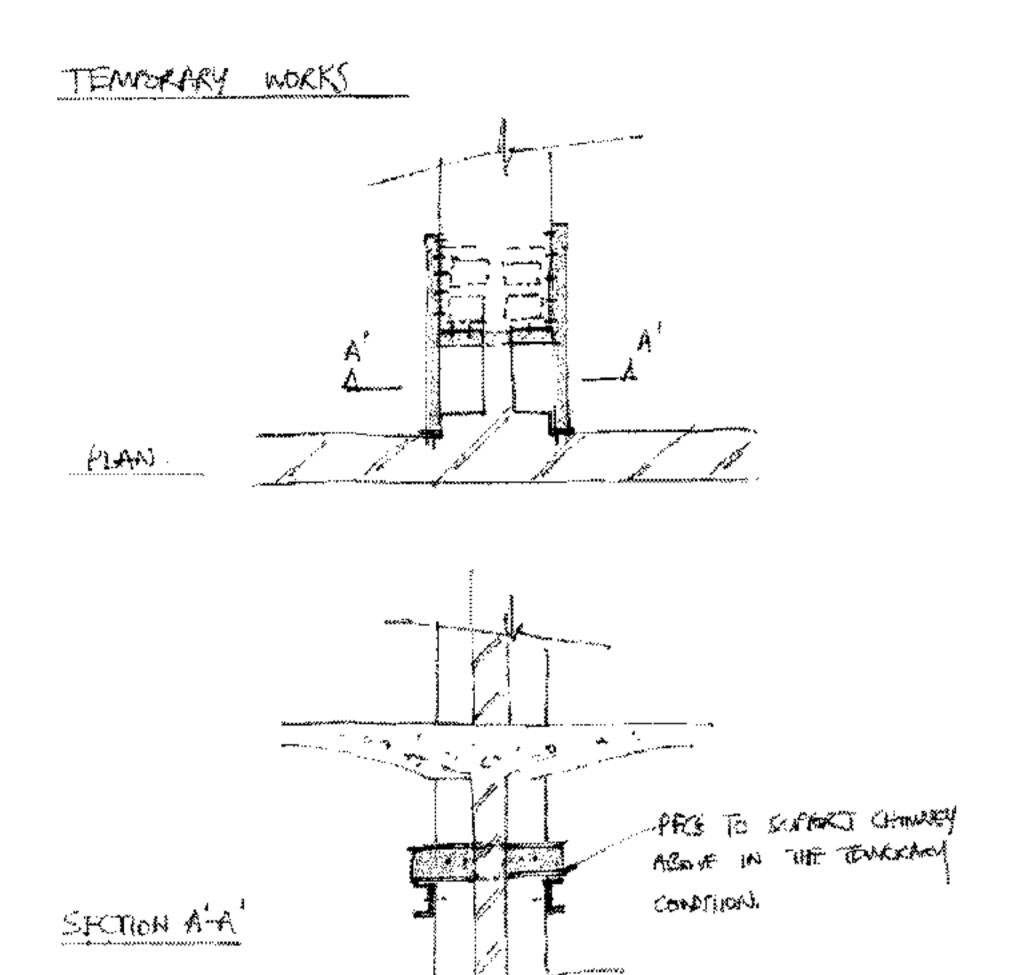
For Notes See Ground Level (S\_1021)

IN SOME POLATIONS, WHERE NEW OPENINGS AND REGULATED IN WALLS WITH CHAMBYS, REGMOVAL OF FULLS IS NECESSARY.

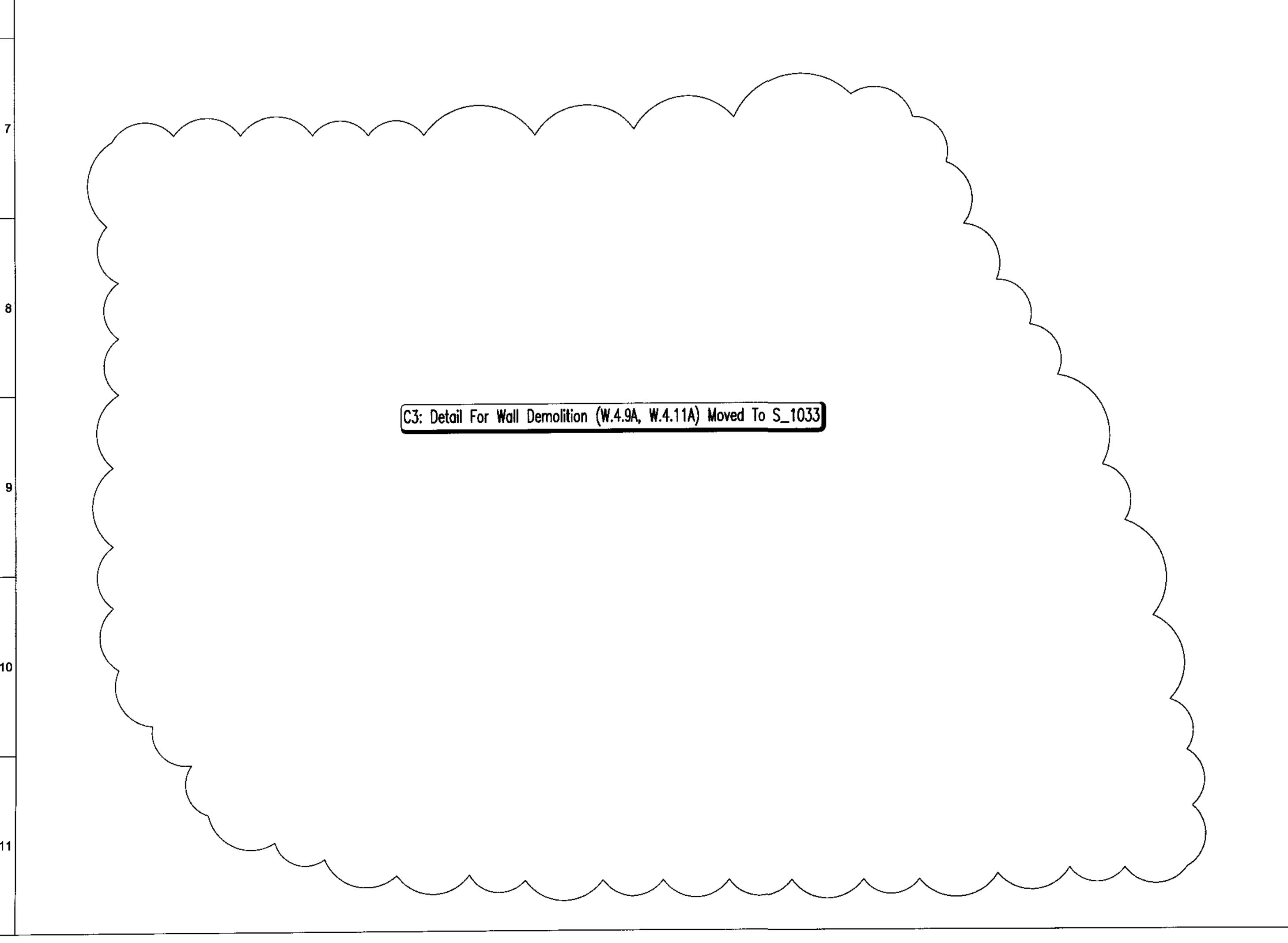
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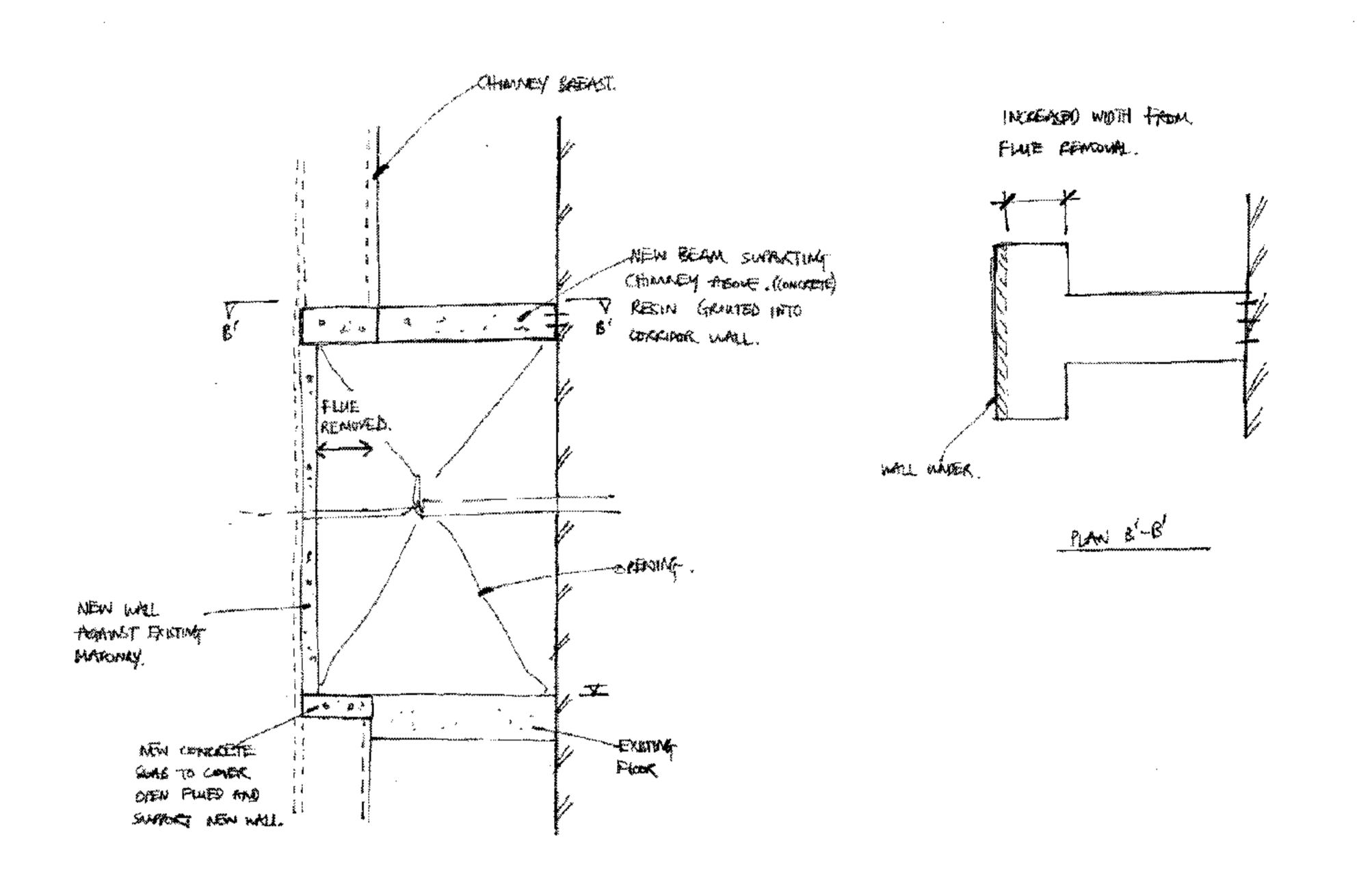


"LOCATION OF CLUES TO BE CONFIRMED ON SITE
BY DRILLING INTO CHIMNEY BREAST.

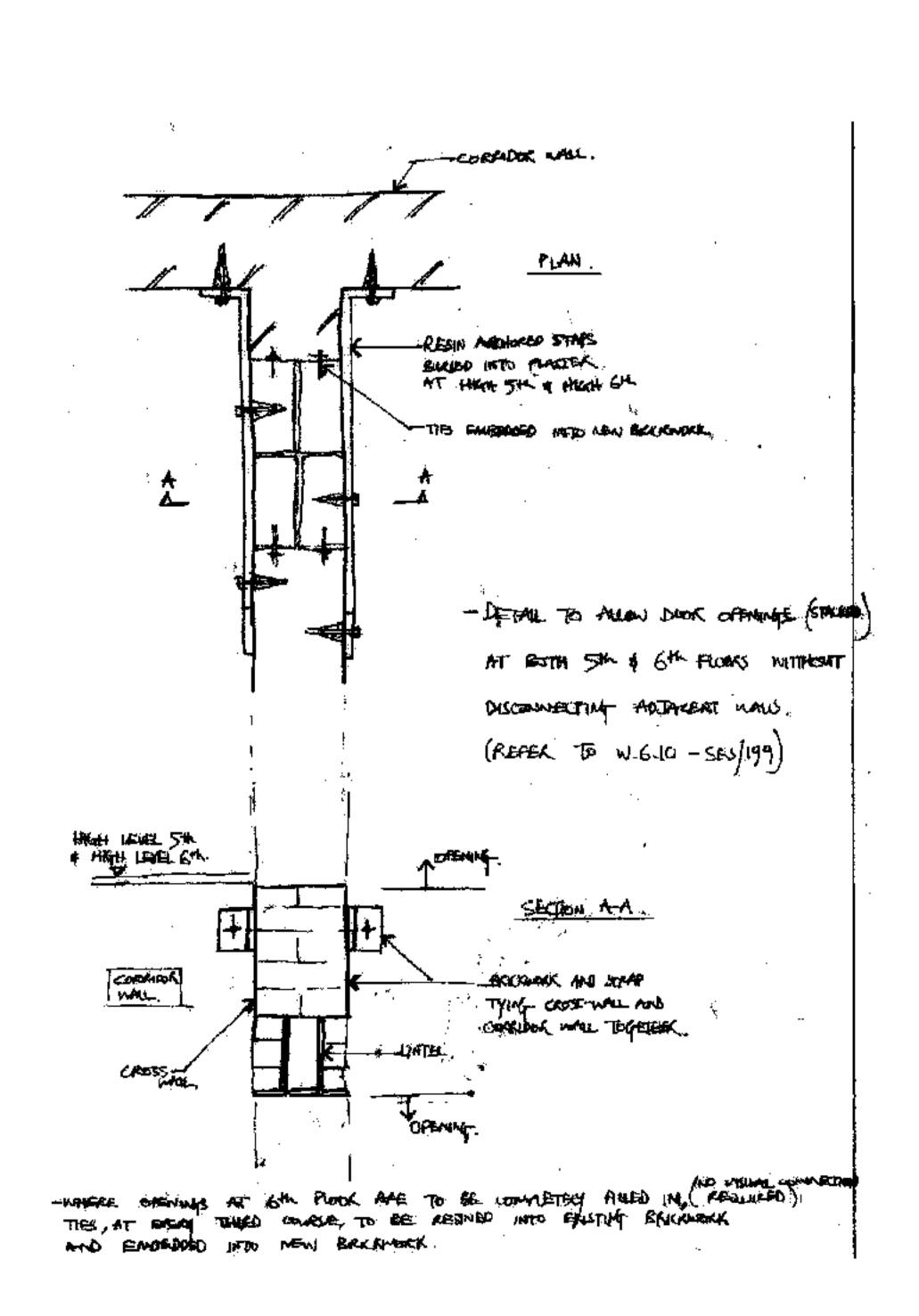


<u>Chimney Breast - Partial Removal -</u> (Generic Concept)





<u>Chimney Breast - Partial Removal -</u> (Generic Concept)



Strapping Detail to Tie Perpendicular Walls

<u>Together</u>

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## ARIJE

13 Fitzroy Street London W1T 4BQ Tel +44 (0)20 7636 1531 Fax +44 (0)20 7580 3

Manhattan Lofts Corporation Limited

St. Pancras Chambers

Drawing Title

Demolition Details

Scale at A1

Plot ID D75356F1-E751-4D75-B138-9B555DD86EA3

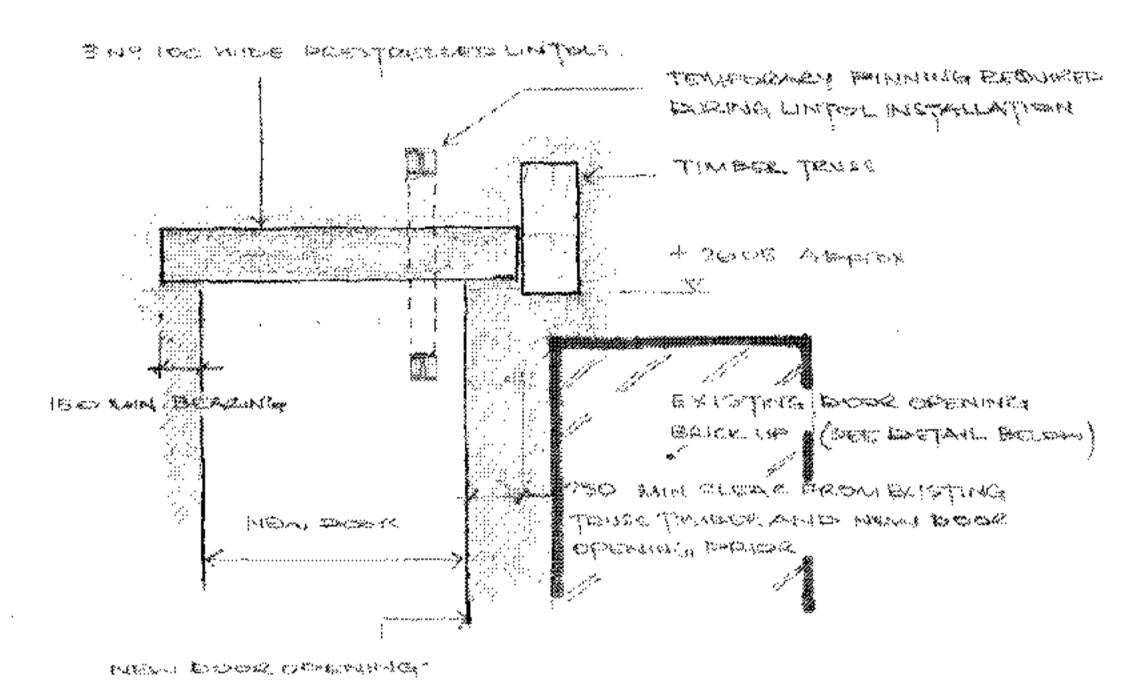
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Construction

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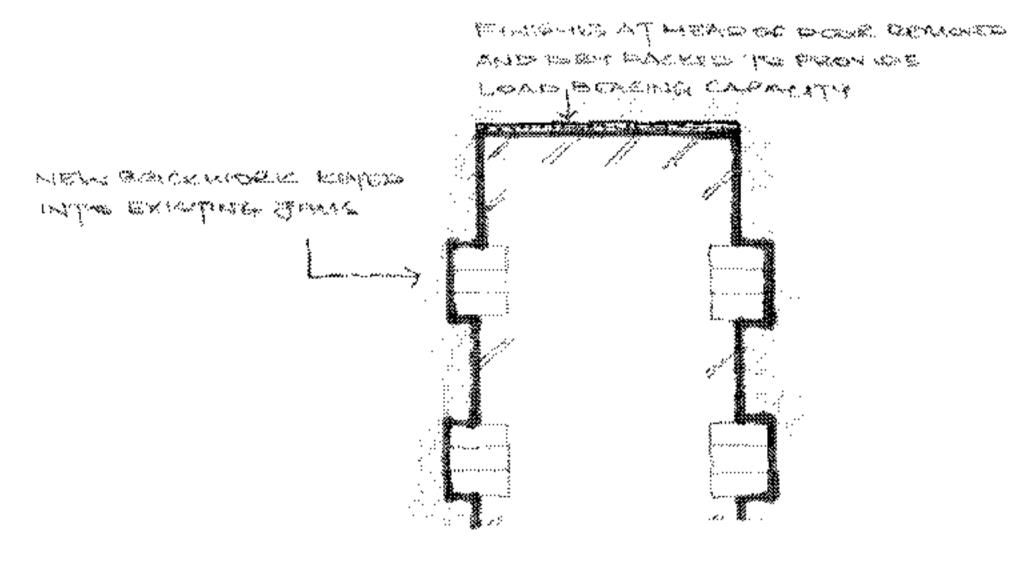
Drawing No S\_1031

C3

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and excellent excess or thanks



<u>Level 4 - New Door Opening Adjacent to</u>
<u>Truss T20</u>

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Issue Date By Chkd Appd

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Manhattan Lofts Corporation Limited

Job Title

St. Pancras Chambers

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**Demolition Details** 

Scale at A1

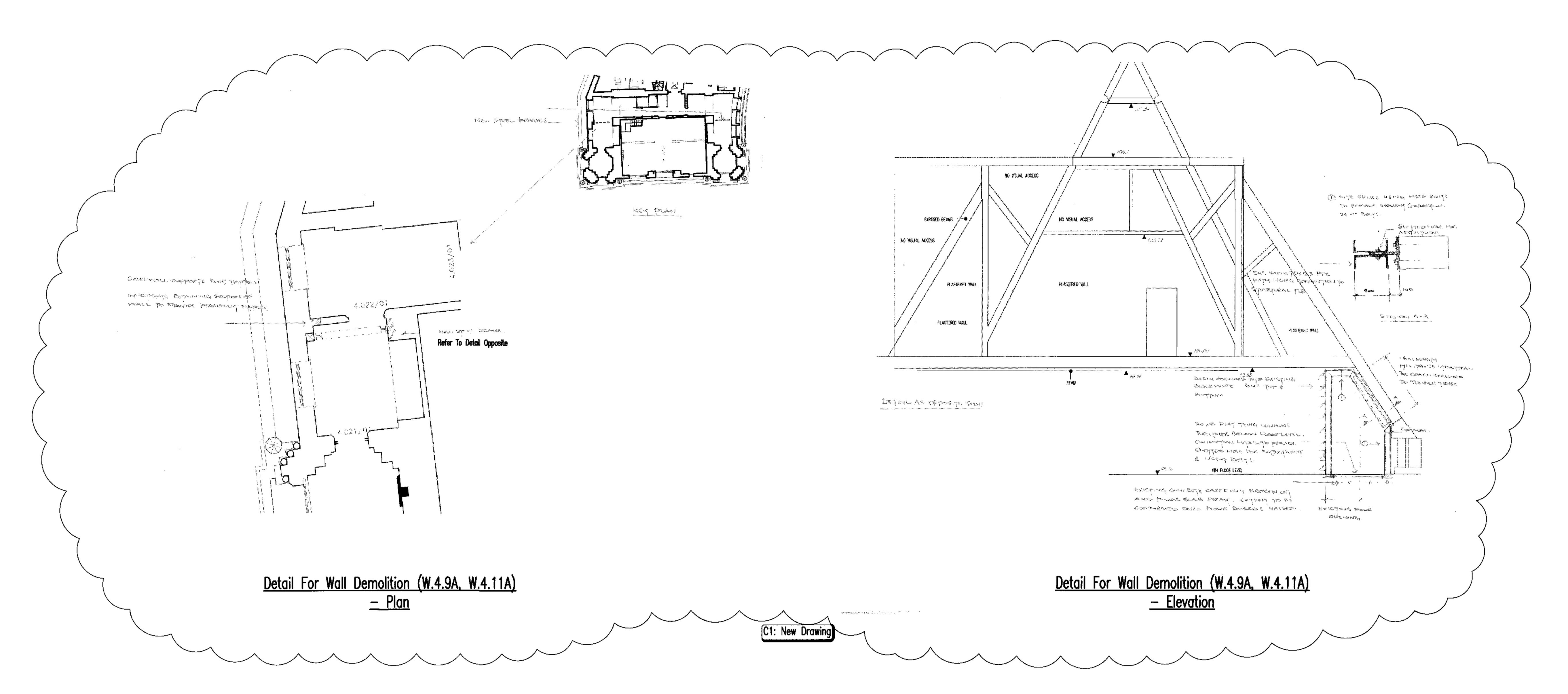
Plot ID 00975D33-44F3-4DF8-8EDA-CA6B83F93D6B

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Construction

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Job Title

St. Pancras Chambers

Drawing Title

Demolition Details

Scale at A1

lot ID D14C74E5-F8F2-4A21-9230-DB0EC19EA045

Drawing Status

Construction

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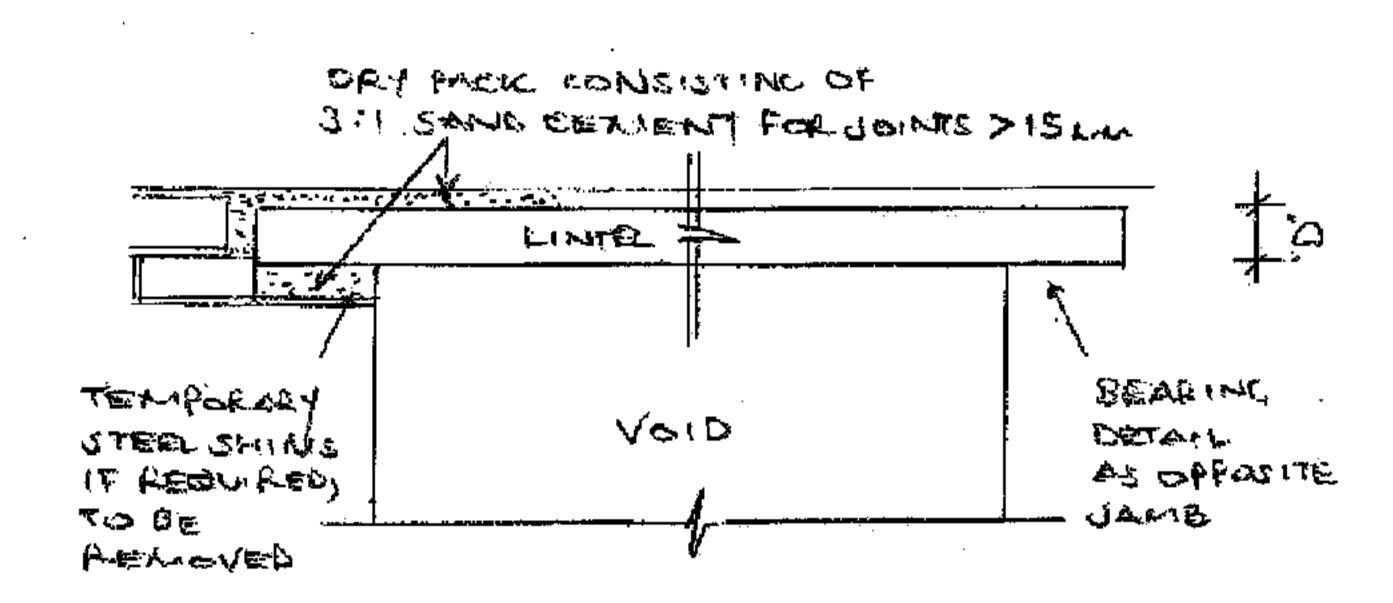
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## PLAN

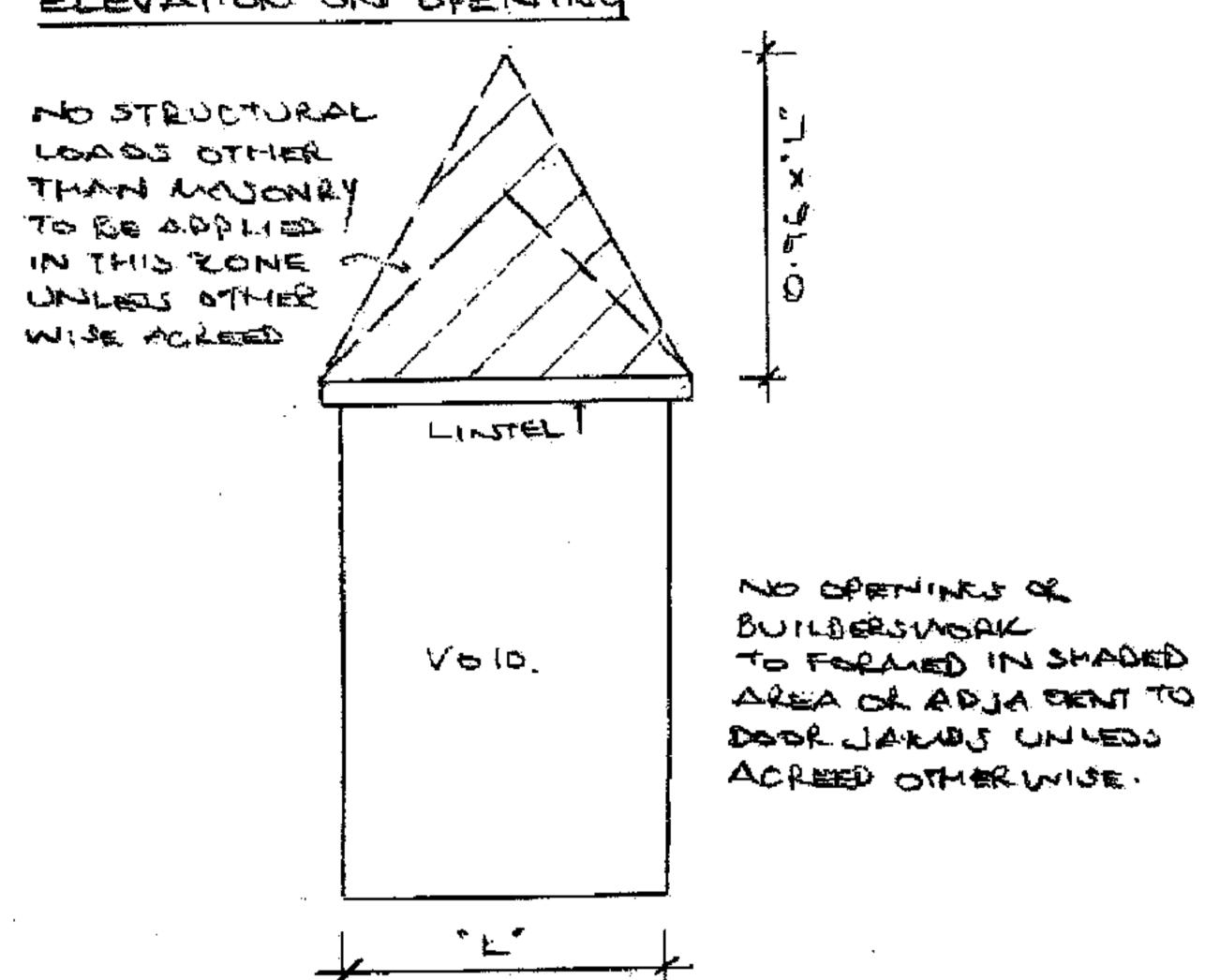
CLAPS BETWEEN LINTERS TO BE EVENLY SPACED AND DRY PACKED. LINTEL LINGTEL

### ELEVATION



### STRUCTURAL LIMITATIONS OF STANDAGO LINTELS

ELEVATIONS ONS OPENING



#### Notes to lintel schedule

support arrangements are in place.

for details Tarmac Topblock Plank Lintel for details Tarmac Topblock Beam Lintel for details Reinforced Concrete Lintel The Contractor is required to design, procur and install any temporary works required to accommodate the lintels. Refer to Tarmac Topfloor Precast Concrete Lintels technical and design data sheets, or similar For wall thicknesses refer to the RHWL General Arrangement drawings. For location of fire rated walls refer to RHWL a-04 series drawings. Reinforced concrete lintels are shown as being a minimum of 200mm wide for the purposes of

All linters above openings on the 4th and Ground floors to be Tarmac Toppfloor Beam type lintels of a minimum depth of 100mm for structural purposes.

0.5 hour fire resisting lintels may be substituted with 1 hour fire resisting lintels.

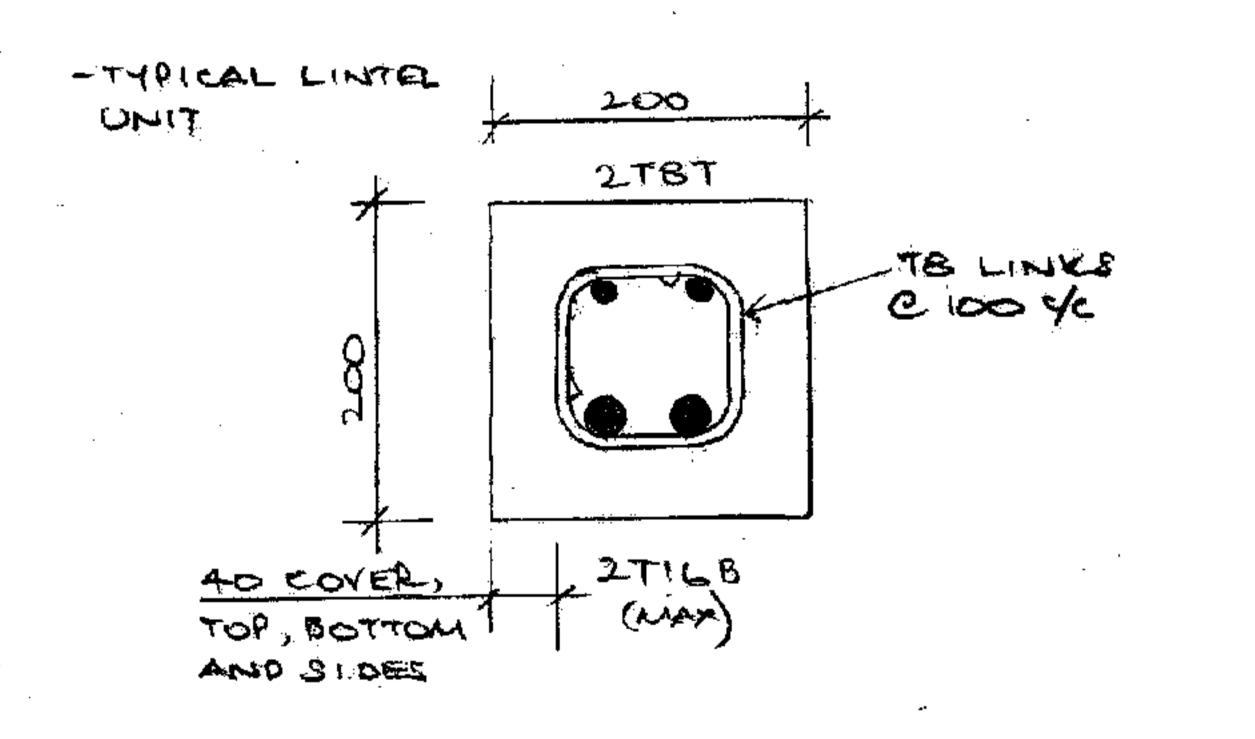
Wide lintels in narrow walls will require and additional non-structural infill. The width of the infill is shown in the schedule notes column.

pre-casting. These may alternatively be cast insitu monolithically providing suitable temporary

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# SECTION: REINFORCED LINTELS



Reinforced Concrete Lintel Specification (to be read in conjunction with the project specification)

Concrete Grade C40 (cube crushing strength 40N/mm² at 28 days). Reinforcement to be High Yield type 2. Maximum aggregtae size 20mm. Casting tolerance ± 5mm, sides and soffit.

### Openings upto 1.25m wide(L<=1.25)

Wall fre	Brick	Lintel	Number	Width	Depth	Bearing	Notes
rating	thickness	Type	reqd				_
(Hours)	T (mm)	<u> </u>	No	W (mm)	D (mm)	B (mm)	<u> </u>
0.5	114	P	1	100	65	100	See note 7 and 8
	229	Ρ	2	100	65	100	See note 7 and 8
	353	Ρ	C	100	65	100	See note 7 and 8
	467	P	4	100	65	100	See note 7 and 8
	592	Р	5	100	65	100	See note 7 and 8
	706	P	6	100	65	100	See note 7 and 8
	830	Р	7	100	65	100	See note 7 and 8
	<b>S44</b>	P.	8	100	65	100	See note 7 and 8
	1069	P	10	100	65	100	See note 7 and 8
	1183	P	11	100	65	100	See note 7 and 8
	1307	Þ	12	100	65	100	See note 7 and 8
1	114	No linte	el availab	o			
;	<b>22</b> 9	P	1	215	65	100	See note 7 and 5
	353	P	2	150	65	100	See note 7 and 8
	467	P	3	150	65	109	See note 7 and 8
''	592	P	3	150	65	100	See note 7 and 8
	706	P	4	150	65	100	Sec note 7 and 8
	830	P	5	150	65	100	See note 7 and 8
	944	P	6	150	65	100	See note 7 and 8
	1069	P	6	150	65	100	See note 7 and 8
	1 183	P	6	150	65	100	See note 7 and 8
	1307	P	8	- 50	65	100	
15	114	R	No lintel	available		100	
	229	R	1.	200	200	100	
j	353	α.	1	200	200	100	See note 9 - 150mm
	467	R	2	200	200	100	<u></u>
	592	R	2	200	200	100	
	706	Ŕ	3	200	200	100	
	830	Ŕ	3	200	200	100	<del>[</del>
	944	R	4	200	200	100	
	1069	R	5	200	200	1.00	
	1183	R	5	200	200	100	
	1307	R	6	200	200	100	
2	114		No lintel a			100	
Ī	229	R	1	200	200	100	
·	353	R	4	200	200	100	See note 9 - 150mm
	467	R	2	200	200	100	
i	592	R	2	200	200	100	
į	706	R	3	200	200	100	· · · · · · · · · · · · · · · · · · ·
	830	R	3	200	200	100	
	9/4	R	4	200	200	100	
<b>†</b>	1039	R	5	200	200	100	
ł	1183	R	5	200	200	100	
ŀ	1307	R	6	<b>20</b> C	200	100	

### Openings upto 2.1m wide and greater than 1.25m (1.25<=L<=2.1)

	L .	и	119111001	401031	10000	Dom not	110100
rating (Hours)	thickness T (mm)	Type		W (mm)	D (mm)	B (mm)	. <b>:</b>
0.5	114	B	4 .	100	100	150	See note 8
0.5		В	2	100		150	See note 8
	229	<del>_</del>	<del>  </del>	<del></del>	100	·····	
}	353	В	3	100	100	150	See note 8
	467	В	4	100	100	150	See note 8
	592	В	5	100	100	150	See note 8
1	706	В	6	100	100	150	See note 8
	830	В	7	100	100	150	See note 8
· .	944	B	8	100	100	150	See note 8
<b>!</b>	1069	B	10	100	100	160	See note 8
	1183	B	11	100	100	150	See note 8
	1,307	В	12	100	100	150	See note 8
1	1/4	No lint	d <b>alis</b> va la		<u> </u>		<u>.</u>
	229	В	1	215	100	150	
	353	В	2	150	100	150	
1	467	B	3	1.5C	100	150	
	502	В	3	150	100	1 <b>5</b> 0	
	706	B	4	150	100	150	
	830	В	5	150	100	150	
1	944	В	6	150	100	150	
]	1059	В	6	150	100	15C	•
	1183	В	6	150	100	<b>150</b>	·
:	1307	В	8	150	100	150	
1.5	114	No inte	el evallab	6	i i		
1	229	R	1	200	200	150	
	353	R	1	200	200	150	See note 9 - 150mm
-	467	R	2	200	200	150	
ĺ	592	R	2	200	200	150	
.]	706	R	3	200	200	150	
	830	R	3	200	200	150	
	944	R	4	200	200	160	
l	1069	B	5	200	200	150	
į.	1183	R	5	200	200	150	
	1307	R	6	200	200	150	<del> </del>
2	114		klelleve le		200	120	<u>.</u>
· -	229	R	1	200	200	160	
	353	R	<del> </del>	200	200	150	See note 9 - 150mm
	467	R	2	200	200	150	1000 11000 0 - 10011011
:	592	R	2	200	200	150	
	706	R					
	<del></del>	<del>- 1</del>	3	200	200	150	
	830	R	3	200	200	160	
	944	R	4	200	200	150	
	1069	R	5	200	200	150	
	1183	R	5	200	200	150	
	1307	R	6	200	200	150	<u> </u>

C1	17/03/06	вов	JL	ВЈ
	Issued Fo	r Constructi	on	
Issue	Date	Ву	Chkd	Appd

Manhattan Lofts Corporation Limited

St. Pancras Chambers

Drawing Title Standard Lintel Details

3BB0356B-49A6-40DB-9E33-E9EC4919AB00 Drawing Status

Construction