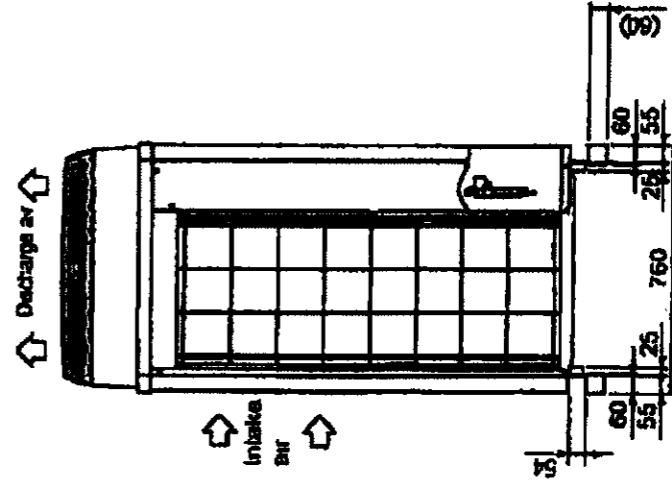
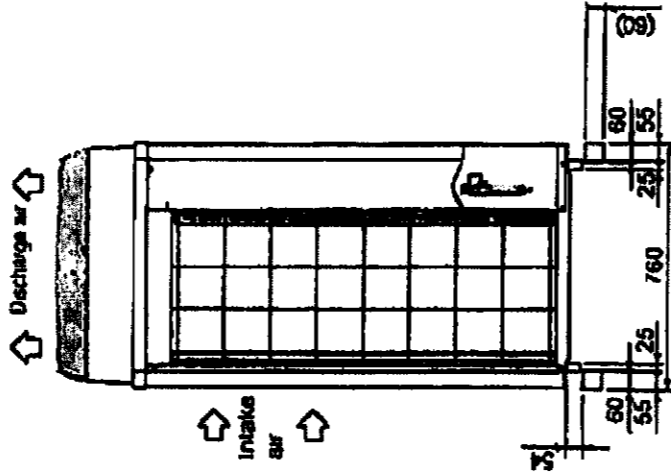
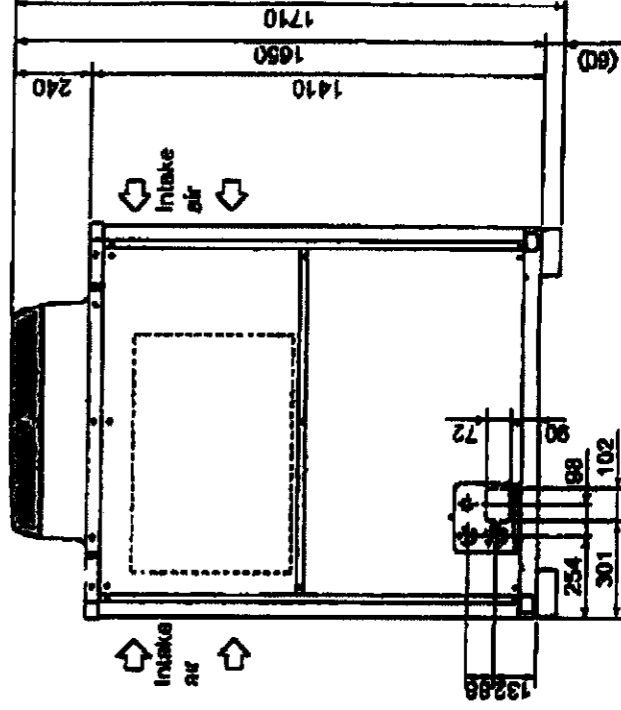
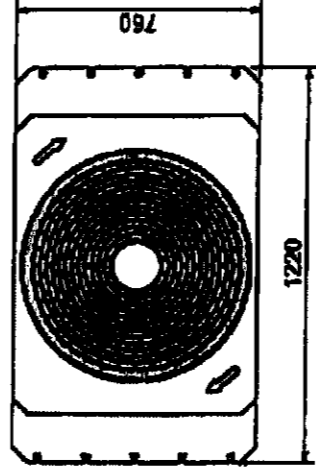
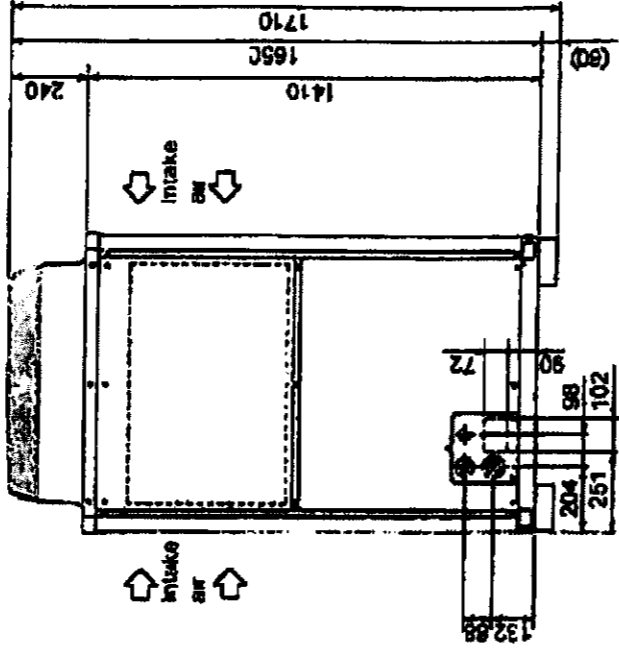
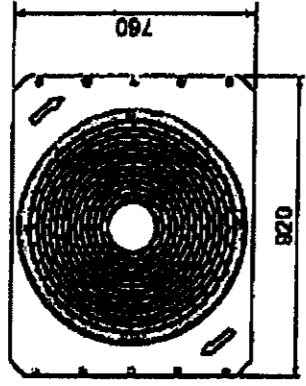


THE PHENE, 9 PHENE STREET, LONDON, CHELSEA, SW3

APPENDIX C
HEAT PUMP INFORMATION FOR PROPERTY

mitsubishi puhy-p250





THE PHENE, 9 PHENE STREET, LONDON, CHELSEA, SW3

APPENDIX D

HEAT PUMP INFORMATION FOR SWIMMING POOL

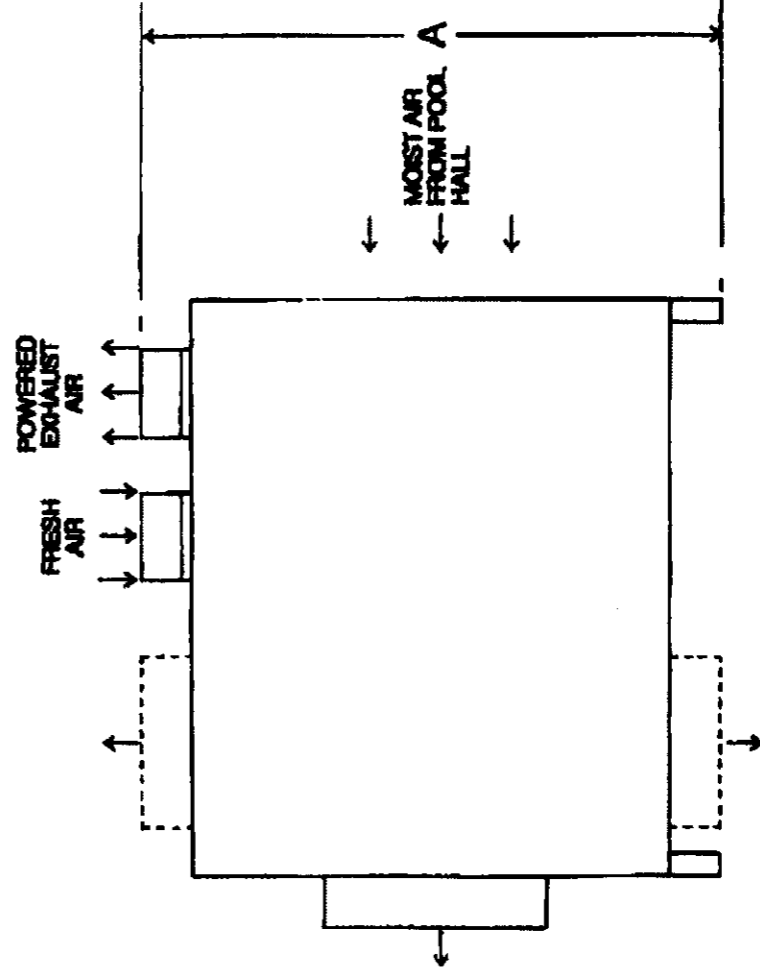
SWIMMING POOL HEAT PUMP

Calorex DELTA Specifications

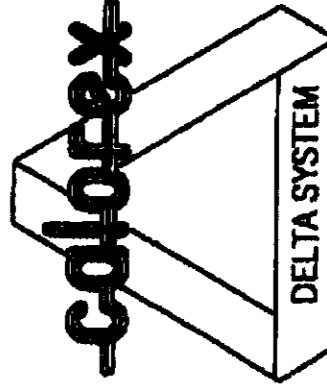
MODEL	1	2	4	6	8	10	12
POOL AIR RECIRCULATION FAN AIR FLOW M ³ /HR:-	2500	2600	3000	4000	5000	6000	7000
EXHAUST / FRESH AIR FAN AIR FLOW M ³ /HR (STEPPED CONTROL):-	120-1200	130-1300	150-1500	200-2000	250-2500	300-3000	350-3500
DEHUMIDIFICATION DUTY LITRES/HR @ 28deg C 60% RH TOTAL DUTY BY HEAT PUMP & FRESH AIR DILUTION:-	9.5	10.7	12.1	16.1	20.1	24.2	28.2
HEAT TO AIR KW							
VIA HEAT PUMP (MODE "A"):-	1.3	1.5	1.4	1.5	1.6	2	2.5
VIA HEAT PUMP (MODE "B"):-	3.85	4.9	5.1	6.6	8	10	12.1
VIA LPHW @ 80 deg C:-	20	22	25	30	35	38	42
MAX AVAILABLE (Mode B + LPHW):-	23.85	26.9	30.1	36.6	43	48	54.3
HEAT TO POOL WATER KW							
VIA HEAT PUMP (MODE "A"):-	4	5.5	5.8	8	10	12.5	15
VIA HEAT PUMP (MODE "B"):-	17	2.2	2.3	3	3.7	4.6	5.5
VIA LPHW @ 80 deg C:-	10	10	10	15	15	19	19
MAX AVAILABLE (Mode A + LPHW):-	14	15.5	15.8	23	25	31.5	34
COOLING DUTY (sensible) KW:-	-2*	-2.5*	-2.94	-3.85	-4.7	-5.9	-7.1
COOLING DUTY (TOTAL) KW:-	-3*	-4*	-4.2	-5.5	-6.7	-8.4	-10.1
* = Summer cooling in mode "A"							
RECOMMENDED BOILER CAPACITY KW:-	30	32	35	45	50	60	70
TOTAL POWER CONSUMED (nominal) KWH:-	3.18	3.84	3.94	5.12	6.25	7.8	9.35
RECOMMENDED POOL SIZE M ² :-							
DOMESTIC USE (light):-	50	65	70	90	110	130	160
HOTEL/CLUB USE (medium):-	45	55	60	80	100	120	140
MUNICIPAL USE (heavy):-	40	50	55	70	90	110	130

FOR ACCURATE APPLICATION SIZING CONSULT THE PG GROUP HEAT PUMPS DIVISION

Supply Air Options



MODELS	1 & 2	4, 6 & 8	10 & 12
A	1735	1910	1855
B	1530	1620	1620
C	655	705	855



Optional Equipment

- Return Air Duct Spigot
- Return Air/Fresh Air Filter Kit
- Models 1-6 Single or Three Phase
- Models 8-12 Three Phase Only
- Supply Fan Outlet Options On Request

A British product marketed by:

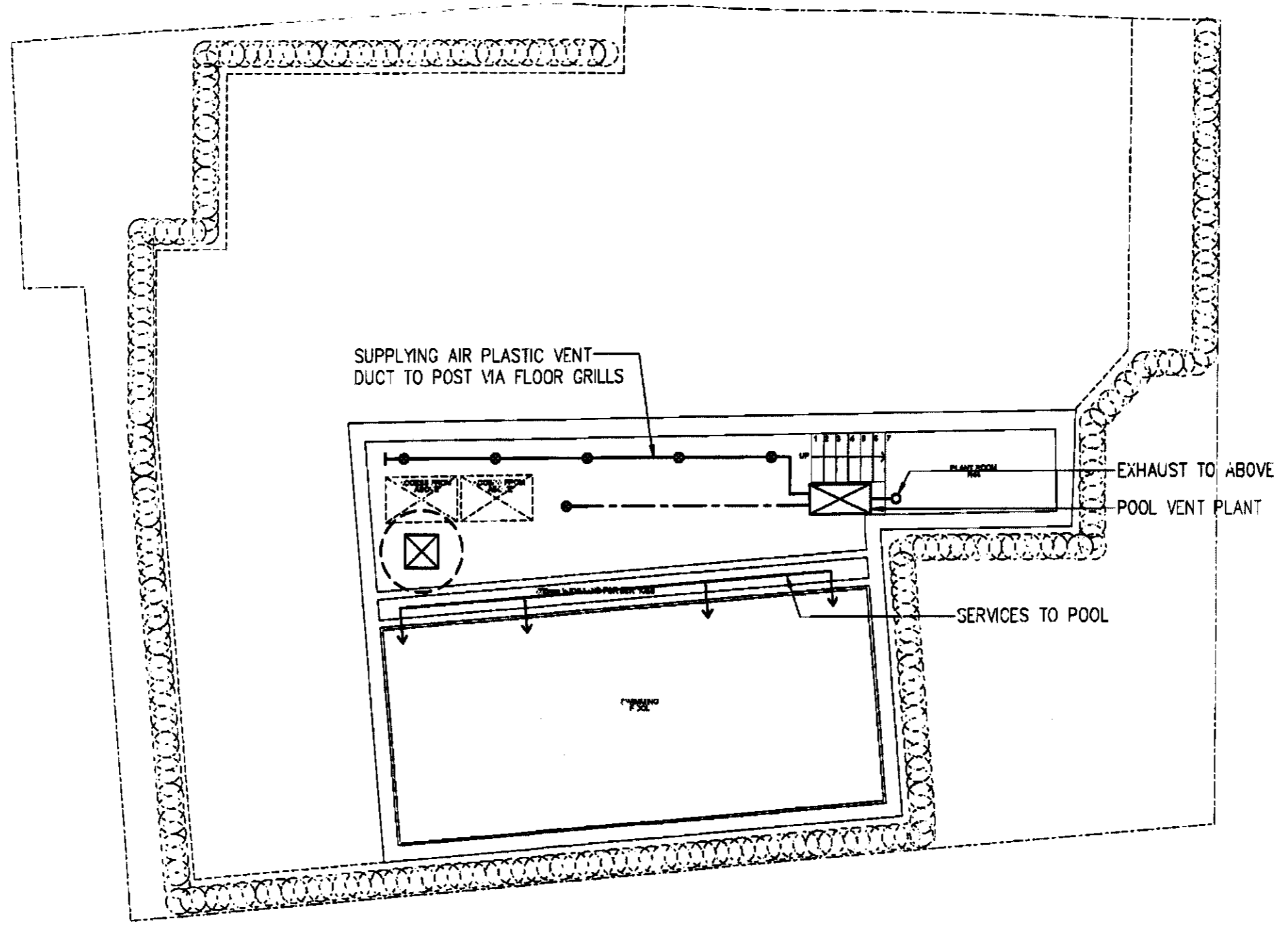
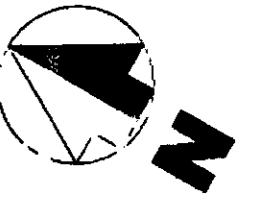
POOL GBAR

Unit 2 Wilton Park, Station Lane Ind. Est.,
Witney, Oxon OX8 6FH

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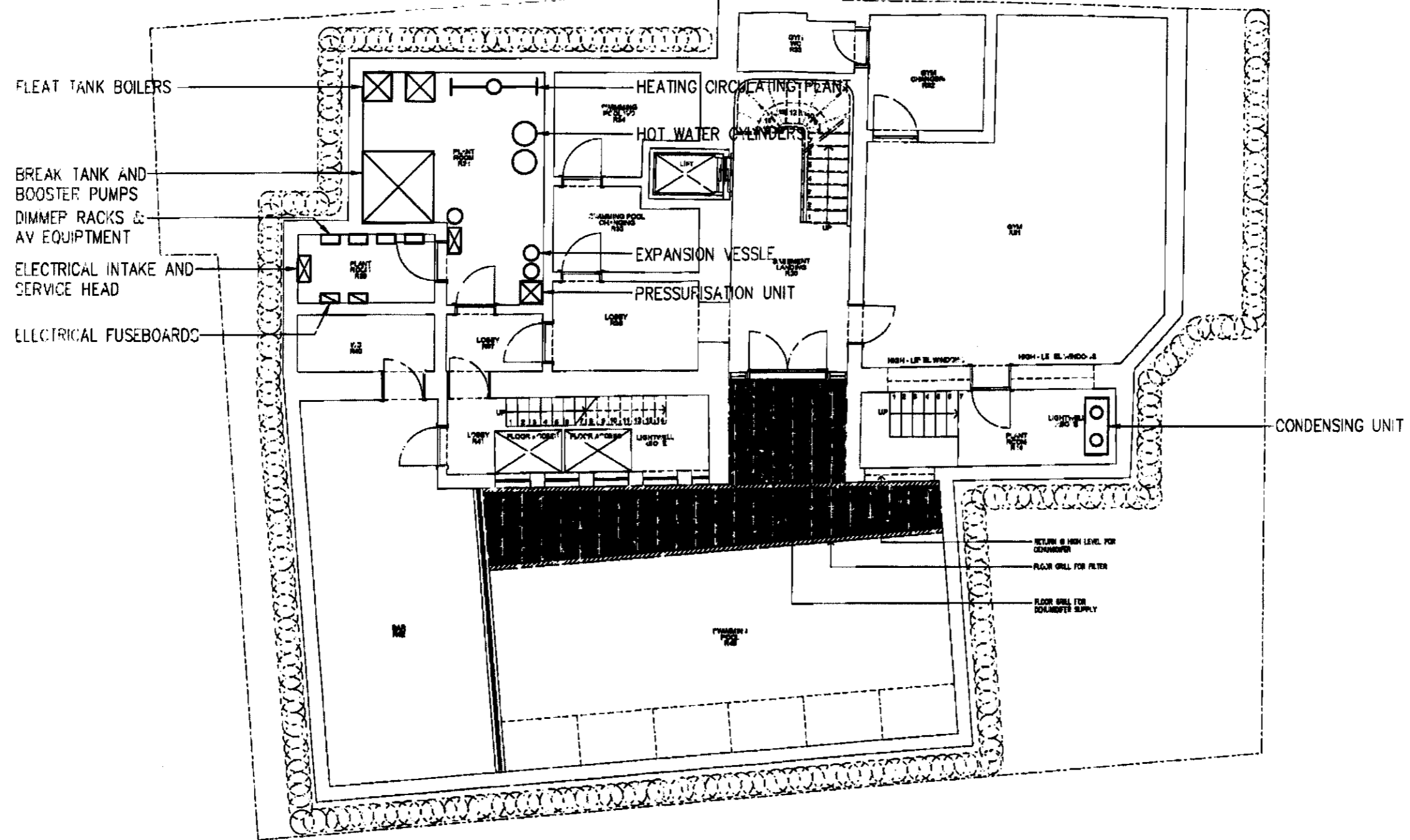
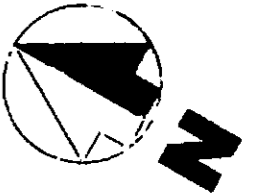
APPENDIX E

Drawing No's :
5819/M/1P
5819/M/2P
5819/M/3P
5819/M/4P
5819/M/5P
5819/M/6P
5819/M/7P



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 web: www.kut.co.uk

Description			PLANNING - SUB BASEMENT PLAN				ref. date	REVISIONS		
Scale	Drawn	Project					P	PLANNING ISSUE		
Date	checked		THE PHENE, 9 PHENE STREET, LONDON, SW3				Project No.	Services	Dwg No.	Rev.
July 2011							5819	M	1	P

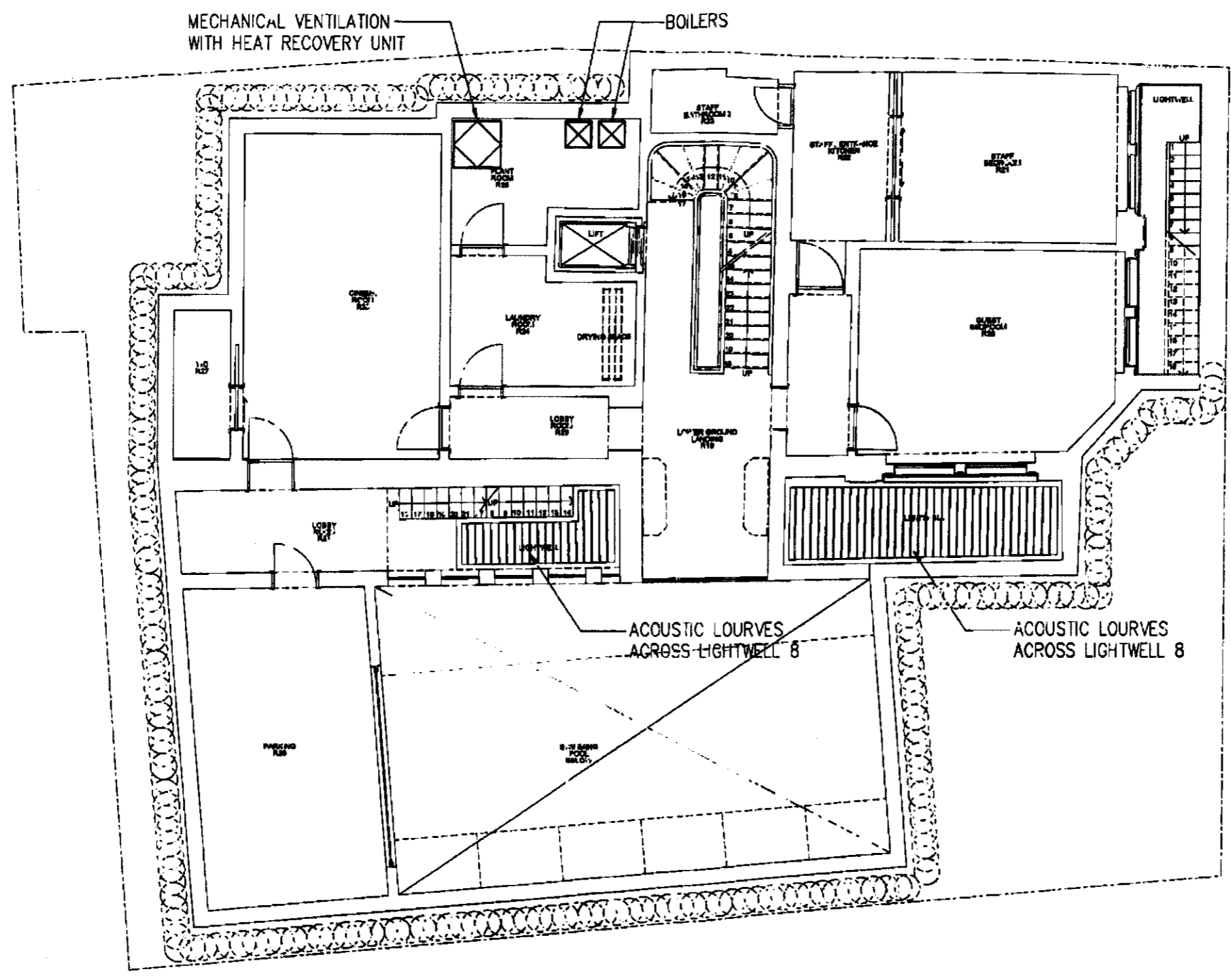
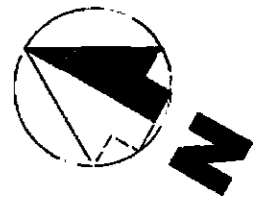


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 web: www.kut.co.uk

Description	
Scale A3@1:100	Drawn PJ
Date July 2011	Checked

Project		ref. date	REVISIONS
THE PHENE, 9 PHENE STREET, LONDON, SW3		P	PLANNING ISSUE
		06.07.11	
Project No.	Services	Org. No.	Rev.
5819	M	2	P

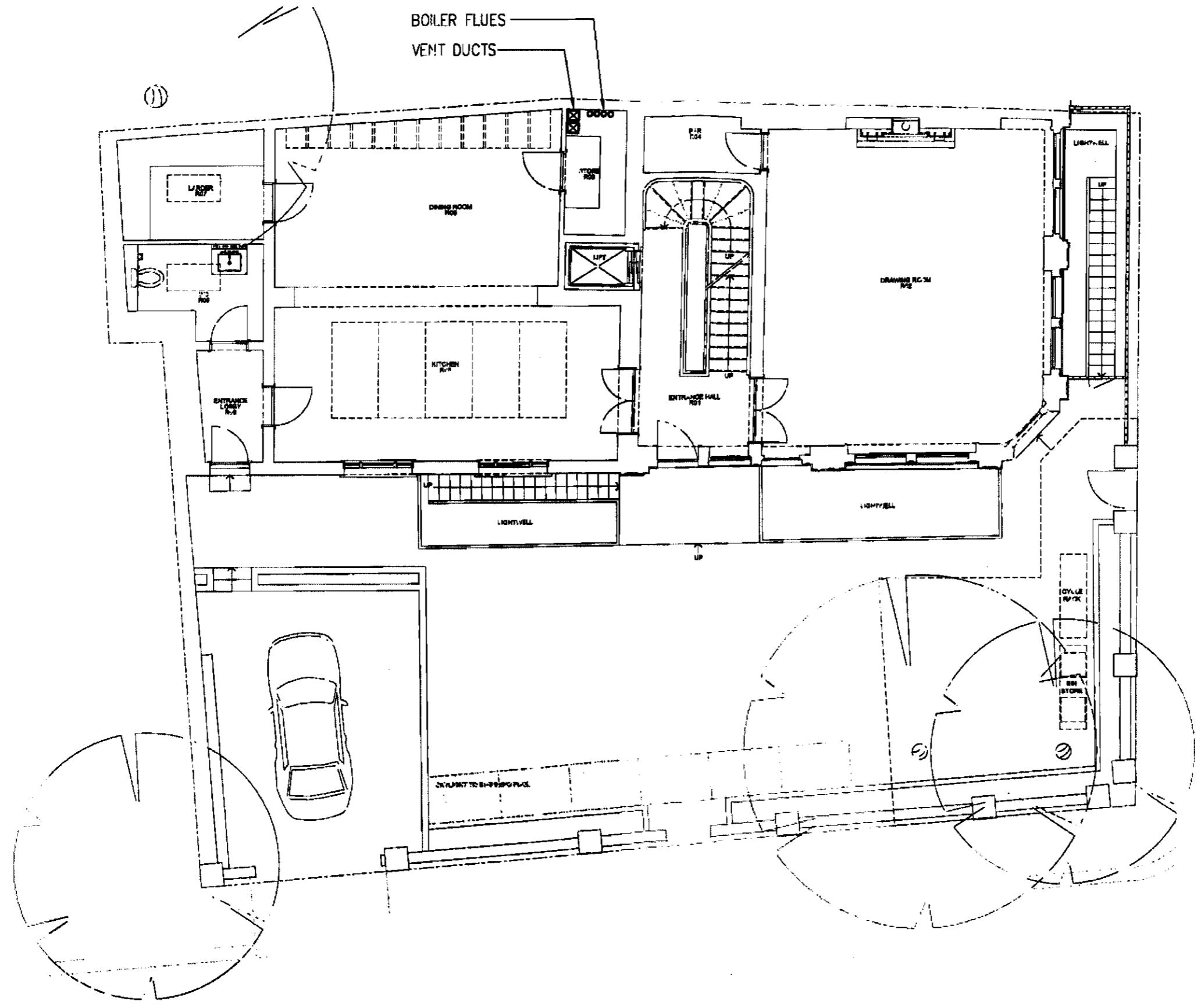
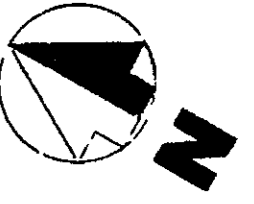
PLANNING - BASEMENT PLAN



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Description		PLANNING - LOWER GROUND PLAN			ref. date	REVISIONS		
					P	PLANNING ISSUE		
Scale	A3@1:100	Drawn	PJ	Project	Project No.	Services	Dwg No.	Fee
Date	July 2011	Checked			5819	M	3	P

THE PHENE, 9 PHENE STREET, LONDON, SW3



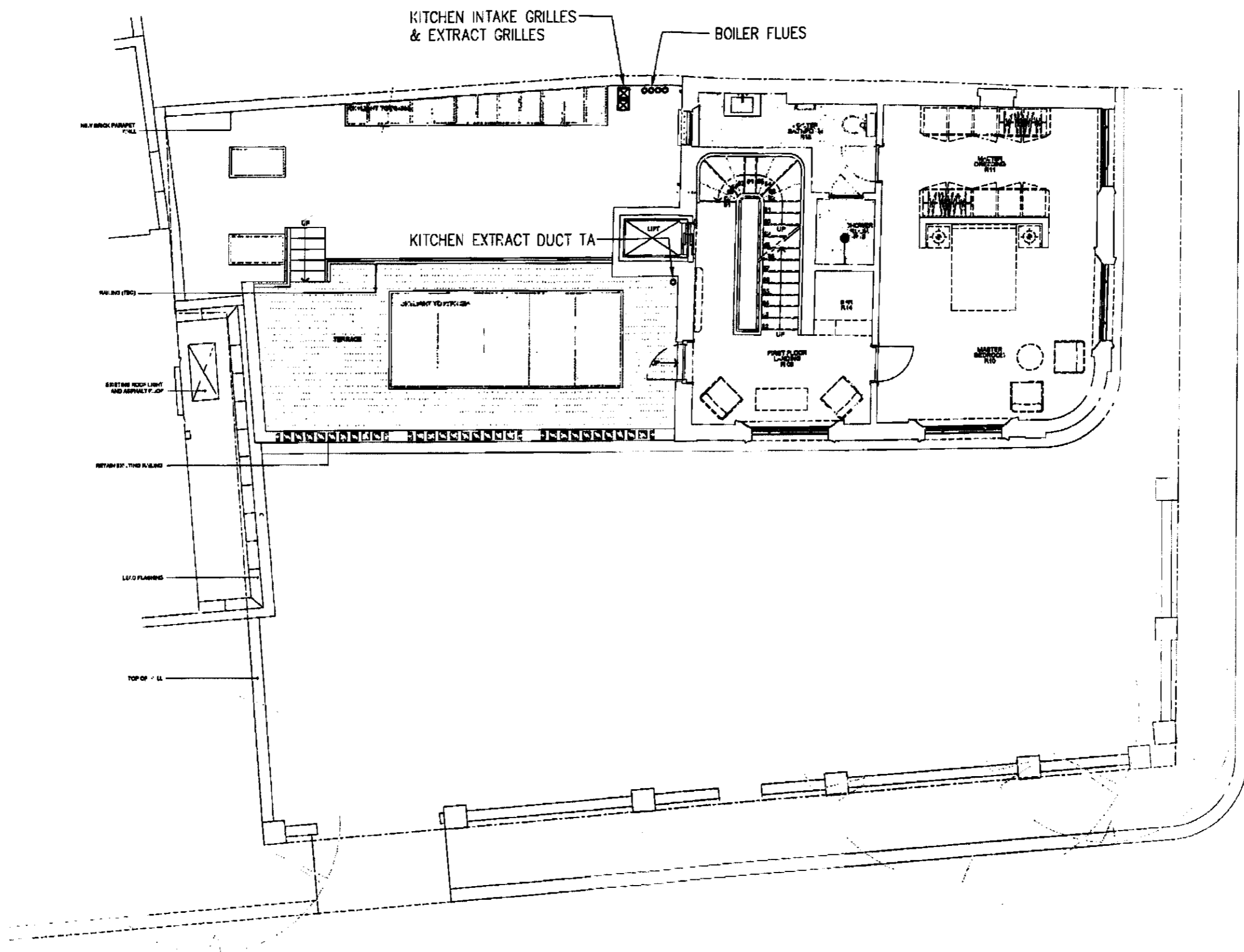
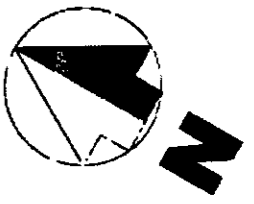
PLANNING - GROUND FLOOR PLAN

THE PHENE, 9 PHENE STREET, LONDON, SW3

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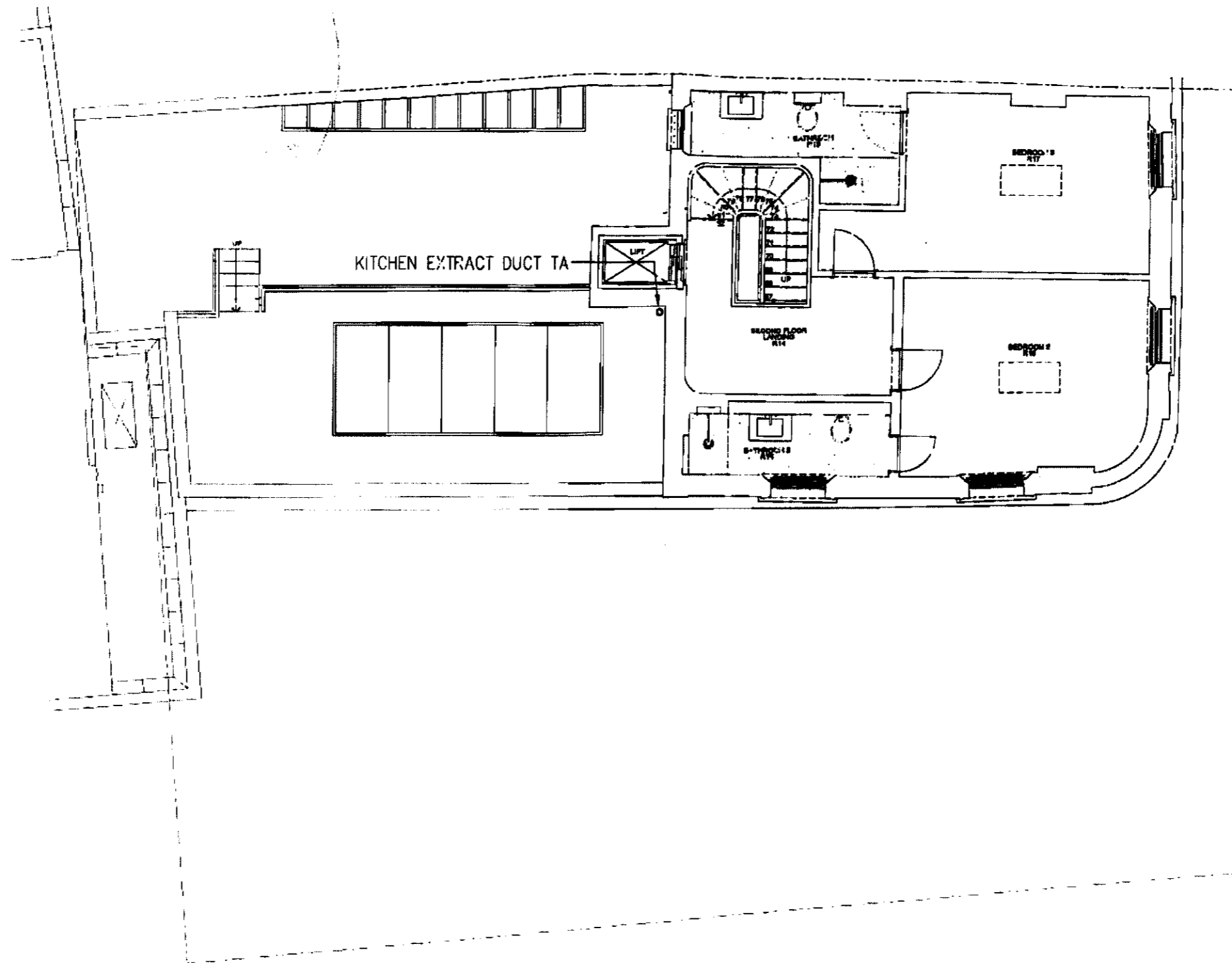
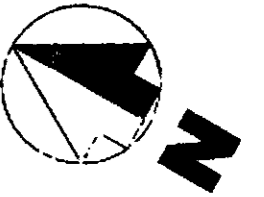
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A3@1:100	PJ		
Date	Checked		
July 2011			

ref. date	REVISIONS		
P 06.07.11	PLANNING ISSUE		
Project No.	Services	Dwg No.	Rev.
5819	M	4	P



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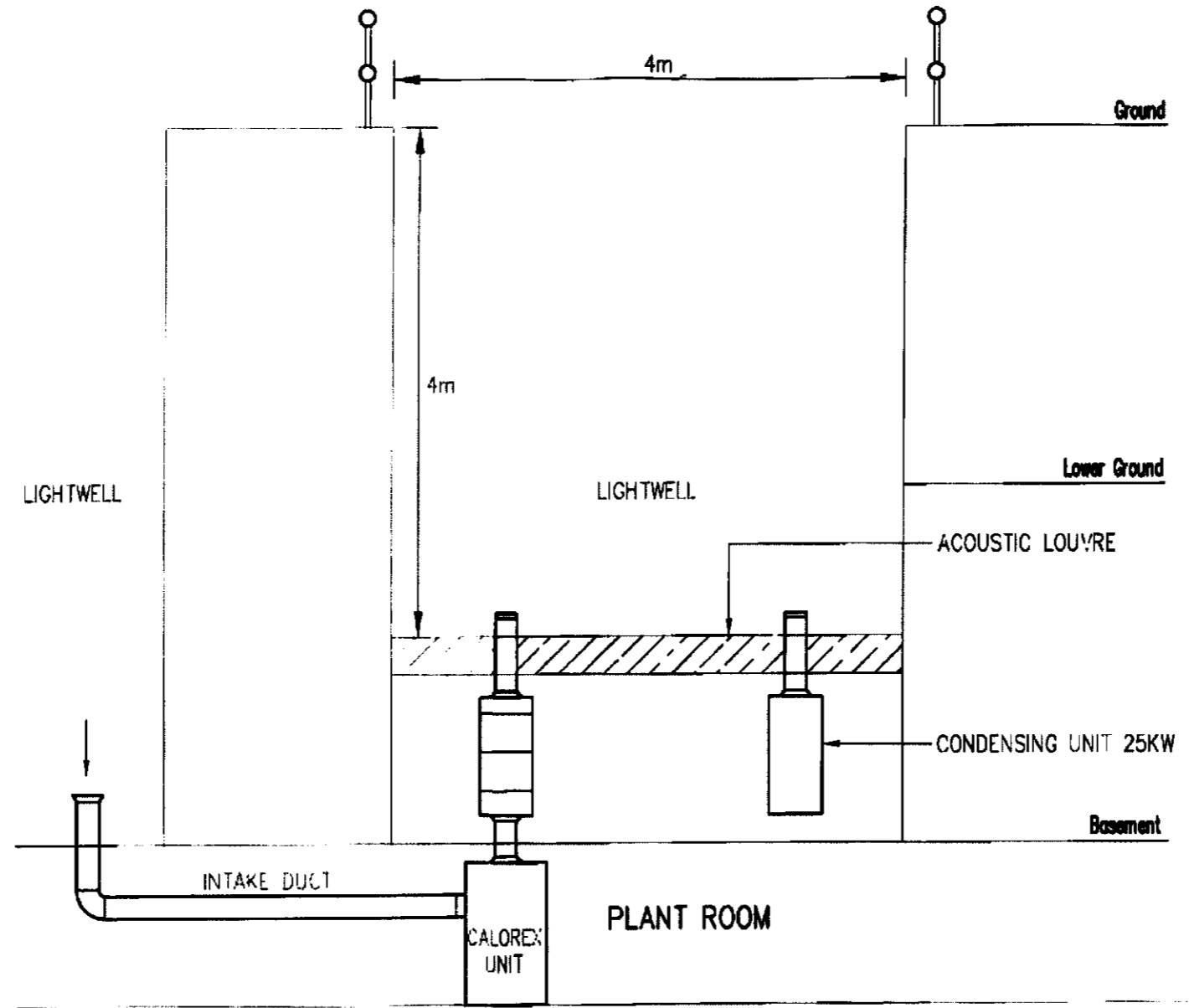
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								P	PLANNING ISSUE		
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Date	July 2011	Checked						5819	M	5	P



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Description				PLANNING - SECOND FLOOR PLAN			
Scale	A3@1:100	Drawn	PJ	Project			
Date	July 2011	Checked		THE PHENE, 9 PHENE STREET, LONDON, SW3			

ref. date	REVISION		
P 06.07.11	PLANNING ISSUE		
Project No.	Services	Draw No.	Rev.
5819	M	6	P



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 Website: www.kut.co.uk

Description			PLANT ROOM SECTION			
Scale: A3@1:50	Drawn: PJ	Project:	THE PHENE, 9 PHENE STREET, LONDON, SW3			
Date: July 2011	Checked:					

ref./date	REVISIONS			
P 06.07.11	PLANNING ISSUE			
Project No.	Services	Dwg No.	Rev.	
5819	M	7	P	