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CONTINUED ON DRG 10516-REC-011

ST HELENS PLACE

This detailed architectural floor plan illustrates the ductwork and piping system for St. Helens Place. The plan is divided into several sections, each labeled with a room number. Key features include:

- St. Helens Place** label at the top center.
- CORE 3** label on the left side.
- CORES 4&6** label in the center-right area.
- ST MARY AXE** label at the bottom center.
- Y.1 through Y.25** labels along the right edge, representing vertical shafts or cores.
- A, B, C, D, E, F, G** labels indicating different areas or sections of the building.
- AS II** label in the bottom right corner.

The plan shows a complex network of ductwork, pipes, and valves, with specific dimensions and ratings indicated for many components. Labels such as "1200kg 2-SLOT", "160-DIA", and "VCD" are frequently used to describe the type and size of the equipment. The plan also includes various symbols for fire ratings, pipe supports, and other structural details.

AS INSTALLED

The Location Plan diagram illustrates the layout of ductwork and various HVAC components across a grid. The grid consists of columns labeled 1 through 6 and rows labeled 1 through 15. Specific components are identified by labels:

- A:** A large rectangular duct section located in the upper right quadrant.
- C:** A smaller rectangular duct section located below component A.
- E:** A diagonal duct section sloping downwards from left to right.
- G:** A vertical duct section located at the bottom right.

Numbered points indicate specific locations along the ductwork and in the surrounding area:

- 1: Top left corner of the grid.
- 2: Column 2, Row 1.
- 3: Column 3, Row 1.
- 4: Column 4, Row 1.
- 5: Column 5, Row 1.
- 6: Column 6, Row 1.
- 7: Column 1, Row 7.
- 8: Column 1, Row 8.
- 9: Column 2, Row 8.
- 10: Column 3, Row 8.
- 11: Column 4, Row 8.
- 12: Column 5, Row 8.
- 13: Column 6, Row 8.
- 14: Column 1, Row 14.
- 15: Column 2, Row 15.

LEGEND:

- LINEAR SLOT DIFFUSER
- CIRCULAR DUCTWORK
- RECTANGULAR/SQUARE DUCTWORK
- FLEXIBLE CIRCULAR DUCTWORK
- BOX REF No: 1.60
TVZ VAV BOX
FAH ASSISTED VAV BOX
- BOX REF No: 1.60
SFTB FAN
ASSISTED BOX
FAH ASSISTED VAV BOX
- ATTENUATOR
- LUMINAIRE
- F.D. FIRE DAMPER
- S.D.
SMOKE DAMPER
WITH ACTUATOR
MOUNTED ON SIDE
- CIRCULAR VAV

SPECIFICATIONS USED

DW-142 MEDIUM PRESSURE-PRIMARY DUCWORK

DW-142 LOW PRESSURE-SECONDARY DUCWORK

REVISIONS			
REV.	DATE	DESCRIPTION	SIG.

DRAWINGS USED	
DRAWING NUMBER	REV

H.PAGE ENGINEERING SERVICES LTD
3-5 LEATHERMARKET
WESTON STREET
LONDON SE1 3HH
TEL:071-407-6701
FAX:071-407-7345

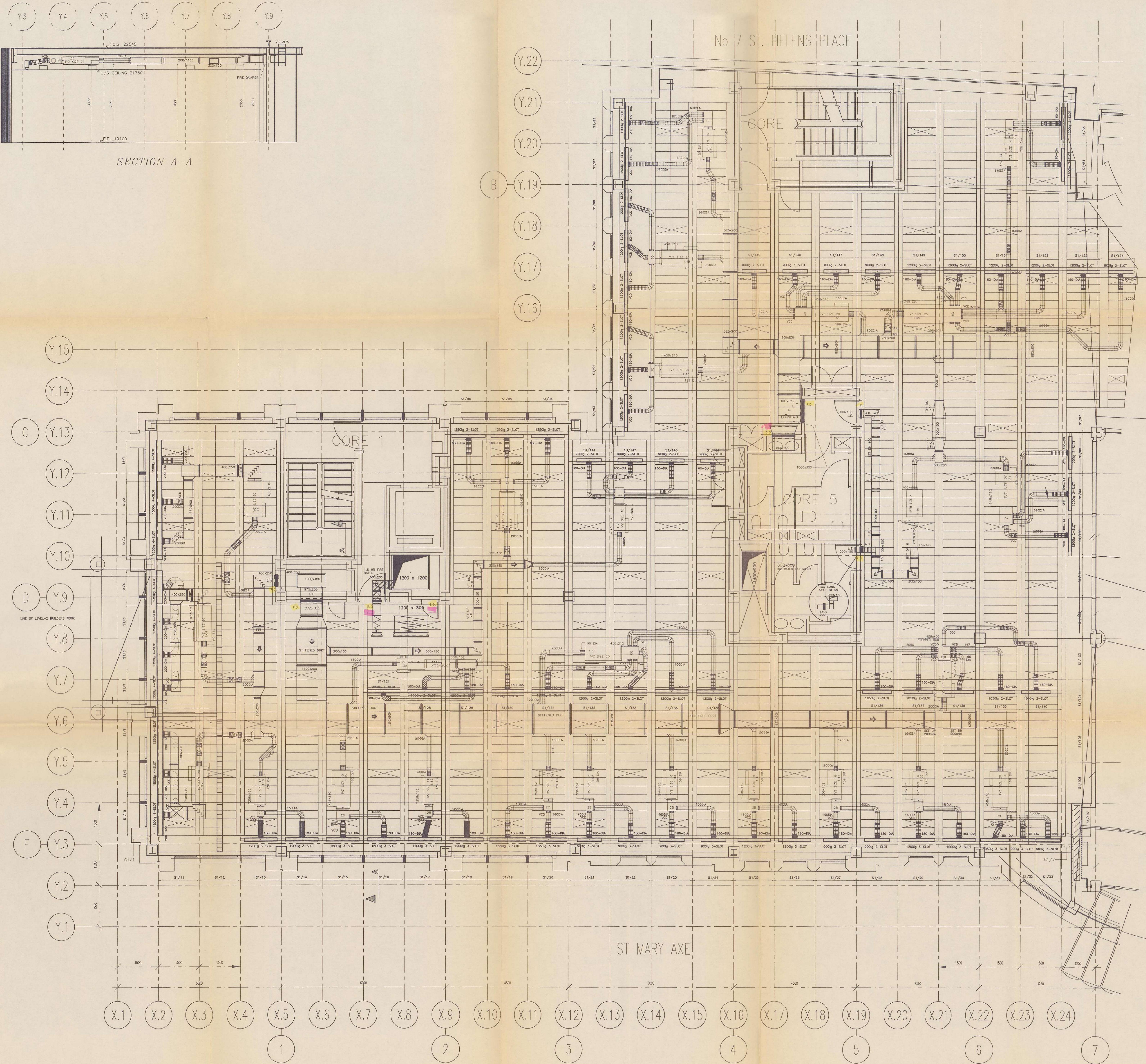
CLIENT - AMEC DESIGN & MANAGEMENT
PROJECT - EXCHEQUER COURT
ST MARY AXE

TITLE - DUCTWORK LAYOUT
LEVEL - FIRST FLOOR
AREA - NORTH BUILDING

SCALE : 1:50

DATE 28-11-94 FOR RE-COMMENT

DRG No: REV.
10516-012




CONTINUED ON DRG 10516-REC-012

AS INSTALLED

CONTINUED ON DRG 10516-REC-011

ST HELENS PLACE



AS INSTALLED

LOCATION PLAN

LEGEND

- LINEAR SLOT DIFFUSER:** Represented by a horizontal line with a small gap.
- CIRCULAR DUCTWORK:** Represented by a dashed circle.
- RECTANGULAR/SQUARE DUCTWORK:** Represented by a solid rectangle.
- FLEXIBLE CIRCULAR DUCTWORK:** Represented by a wavy circle.
- BOX REF No:** TVZ VAV BOX
- FAN ASSISTED VAV BOX:**
- BOX REF No:** SFTB FAN ASSISTED BOX
- FAN ASSISTED VAV BOX:**
- ATTENUATOR:** Represented by a zigzag line.
- LUMINAIRE:** Represented by a cross-hatched rectangle.
- F.D.:** FIRE DAMPER
- S.D.:** SMOKE DAMPER WITH ACTUATOR MOUNTED ON SIDE
- CIRCULAR VCD:** Represented by a circle with internal lines.

6221885 H10 3

SPECIFICATIONS USED

DW-142 MEDIUM PRESSURE-PRIMARY DUCWORK

DW-142 LOW PRESSURE-SECONDARY DUCWORK

NOTES

REVISIONS			
REV.	DATE	DESCRIPTION	SIG

DRAWINGS USED	
DRAWING NUMBER	REV

**H.PAGE ENGINEERING SERVICES LTD
3-5 LEATHERMARKET
WESTON STREET
LONDON SE1 3HH
TEL:071-407-6701
FAX:071-407-7345**

The logo consists of large, bold, block letters 'IV4'. The 'I' is vertical, the 'V' is slanted to the right, and the '4' is a vertical rectangle with a diagonal cut. Below the '4' is a small circular emblem containing a stylized letter 'W'.

CLIENT - AMEC DESIGN & MANAGEMENT

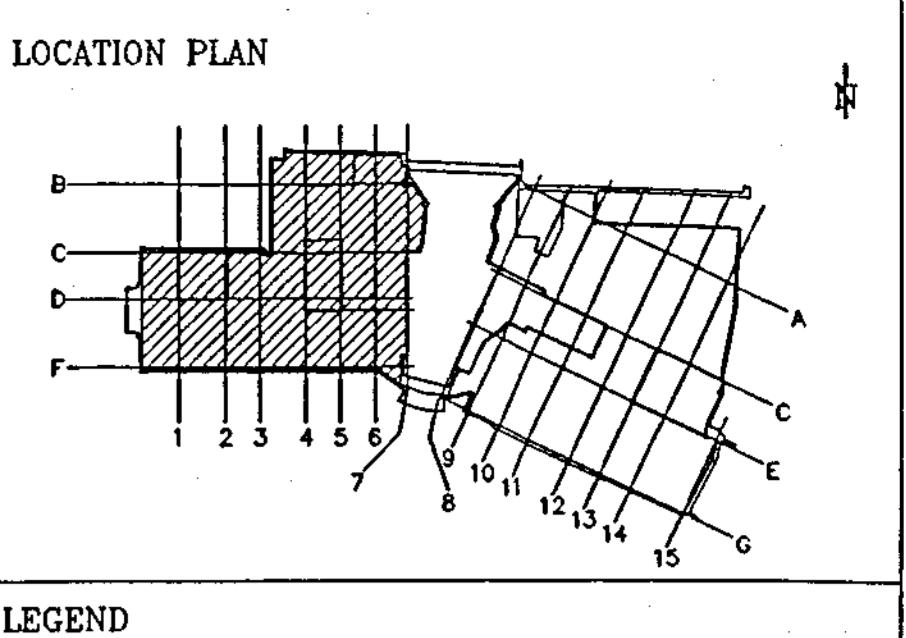
PROJECT - EXCHEQUER COURT
ST MARY AXE

TITLE - DUCTWORK LAYOUT
LEVEL - FIRST FLOOR

AREA - NORTH BUILDING

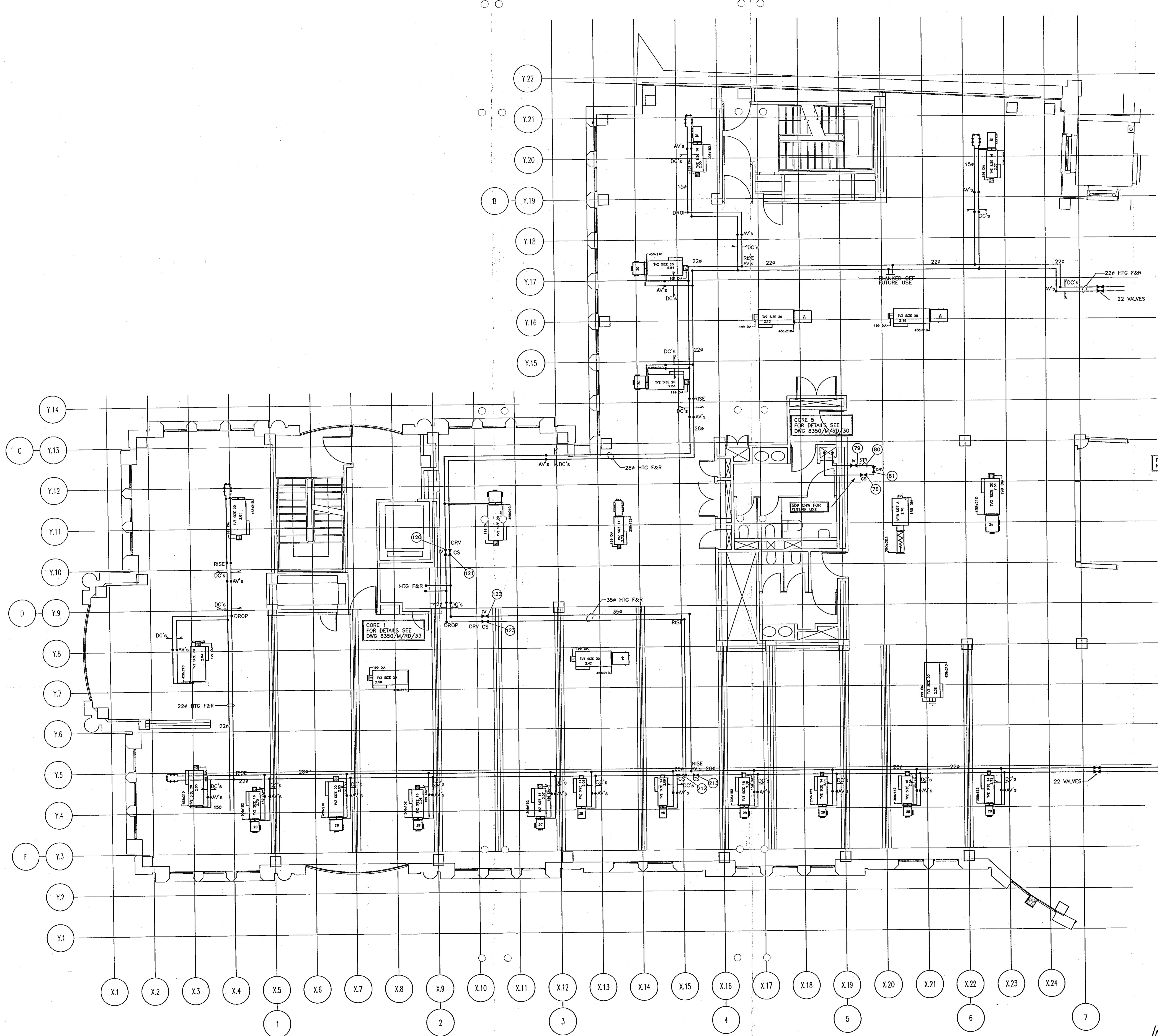
DRAWN BY	<u>S.L.Coward</u>	FOR COMMENT	
DATE	28-11-94	FOR RE-COMMENT	

DRG No: REV.
10516-012



LEGEND

F/A	FROM ABOVE
T/B	TO BELOW
DC's	DRAIN COCKS
AV's	AIR VENTS
—	PIPEWORK IN CEILING VOID
R/E	RODDING EYE
IV	ISOLATING VALVE
DRV	DOUBLE REGULATING VALVE
RWP	RAIN WATER PIPE
RWO	RAIN WATER OUTLET
HTG	HEATING
CHW	CHILLED WATER
CS	ISSONING SET
STR	STRAINER

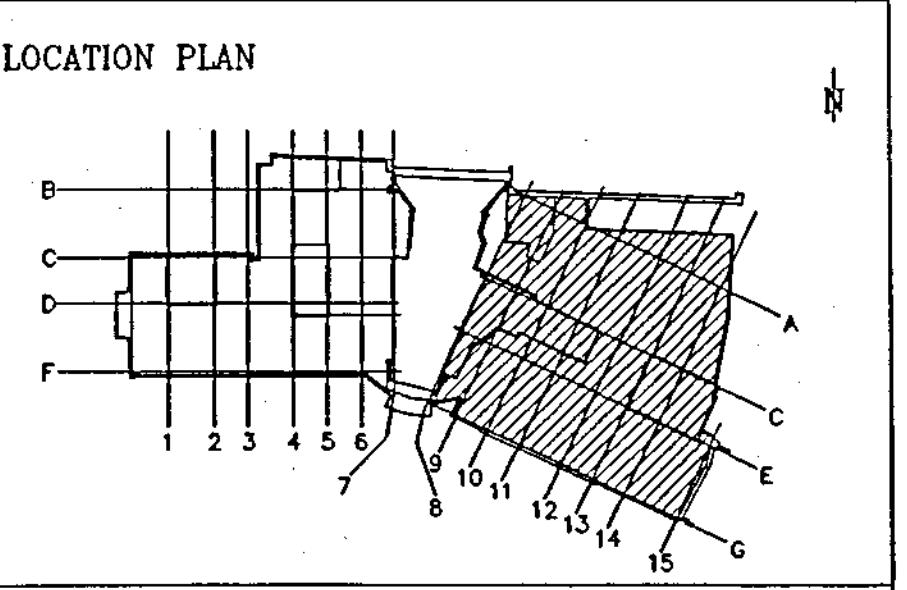


REV	DATE	DESCRIPTION	CHECK
H.PAGE ENGINEERING SERVICES LTD 3-5 LEATHERMARKET WESTON STREET LONDON SE1 3HH TEL:0171-407-6701 FAX:0171-407-7345			

PROJECT TITLE
EXCHEQUER COURT
ST. MARY AXE
LONDON EC3


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SOUTH BUILDING - LEVEL 2
PIPEWORK LAYOUT

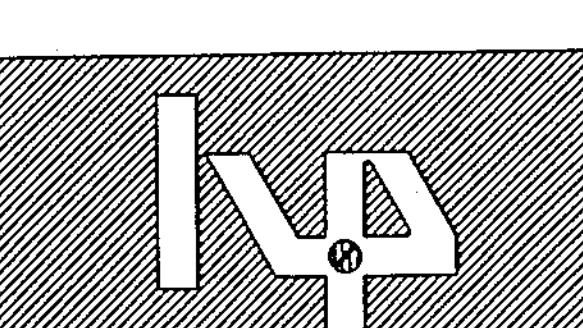
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CHECKED BY		APPROVED
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8250/M/RD/07		RD




LEGEND

F/A	FROM ABOVE
T/B	TO BELOW
DC's	DRAIN COCKS
AV's	AIR VENTS
—	PIPEWORK IN CEILING VOID
R/E	RODDING EYE
IV	ISOLATING VALVE
DRV	DOUBLE REGULATING VALVE
RWP	RAIN WATER PIPE
RWO	RAIN WATER OUTLET
HTG	HEATING
CHW	CHILLED WATER
CS	COMMISSIONING SET
STR	STRAINER



REV	DATE	DESCRIPTION	CHECK
H.PAGE ENGINEERING SERVICES LTD 3-5 LEATHERMARKET WESTON STREET LONDON SE1 3HH TEL:0171-407-6701 FAX:0171-407-7345			
			
PROJECT TITLE EXCHEQUER COURT ST. MARY AXE LONDON EC3			
DRAWING TITLE NORTH BUILDING - LEVEL 2 PIPEWORK LAYOUT			
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CHECKED BY RD	DATE	APPROVED	
FILE NAME: 8250M061			
RECORD DRAWING			
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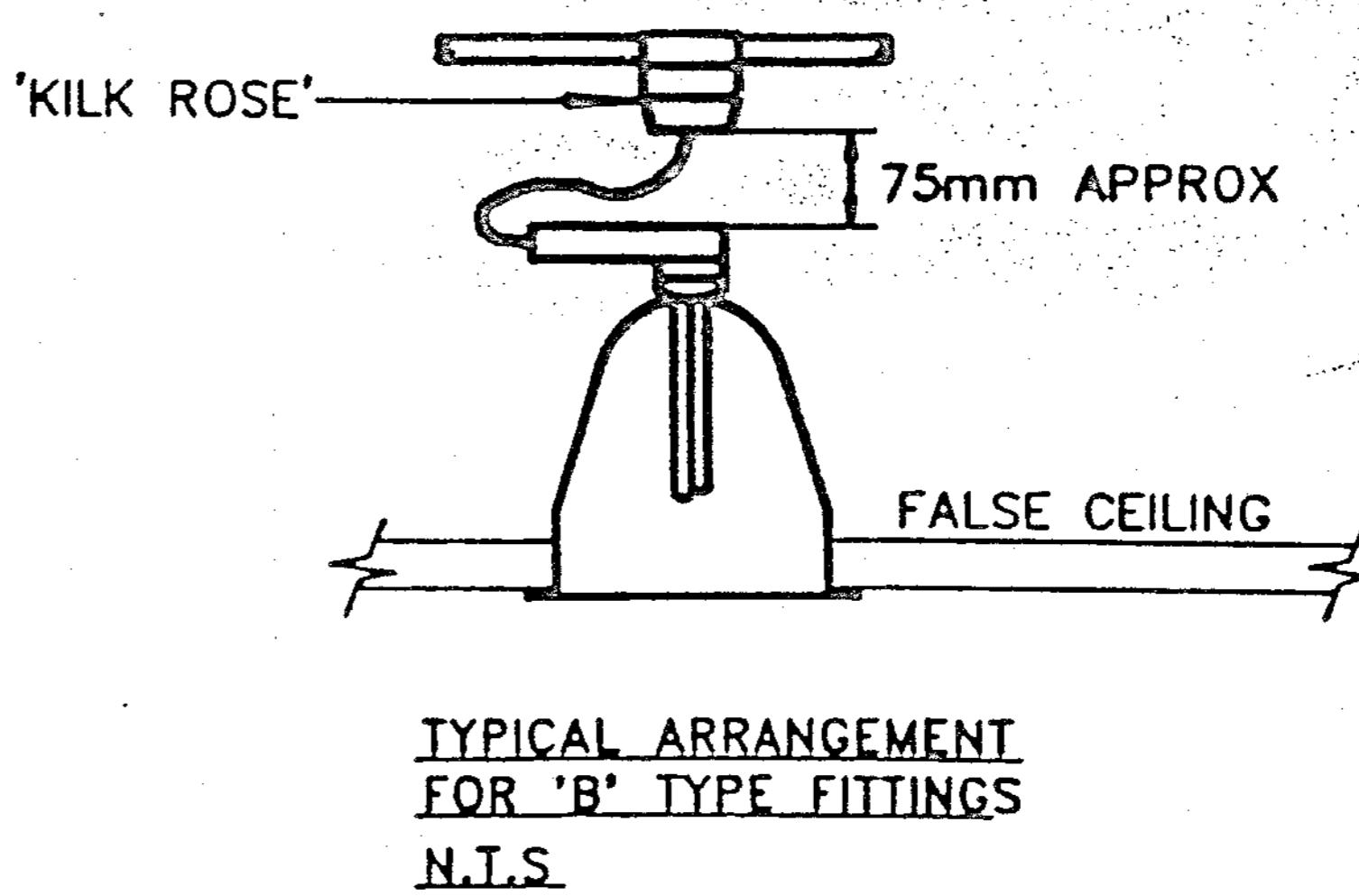




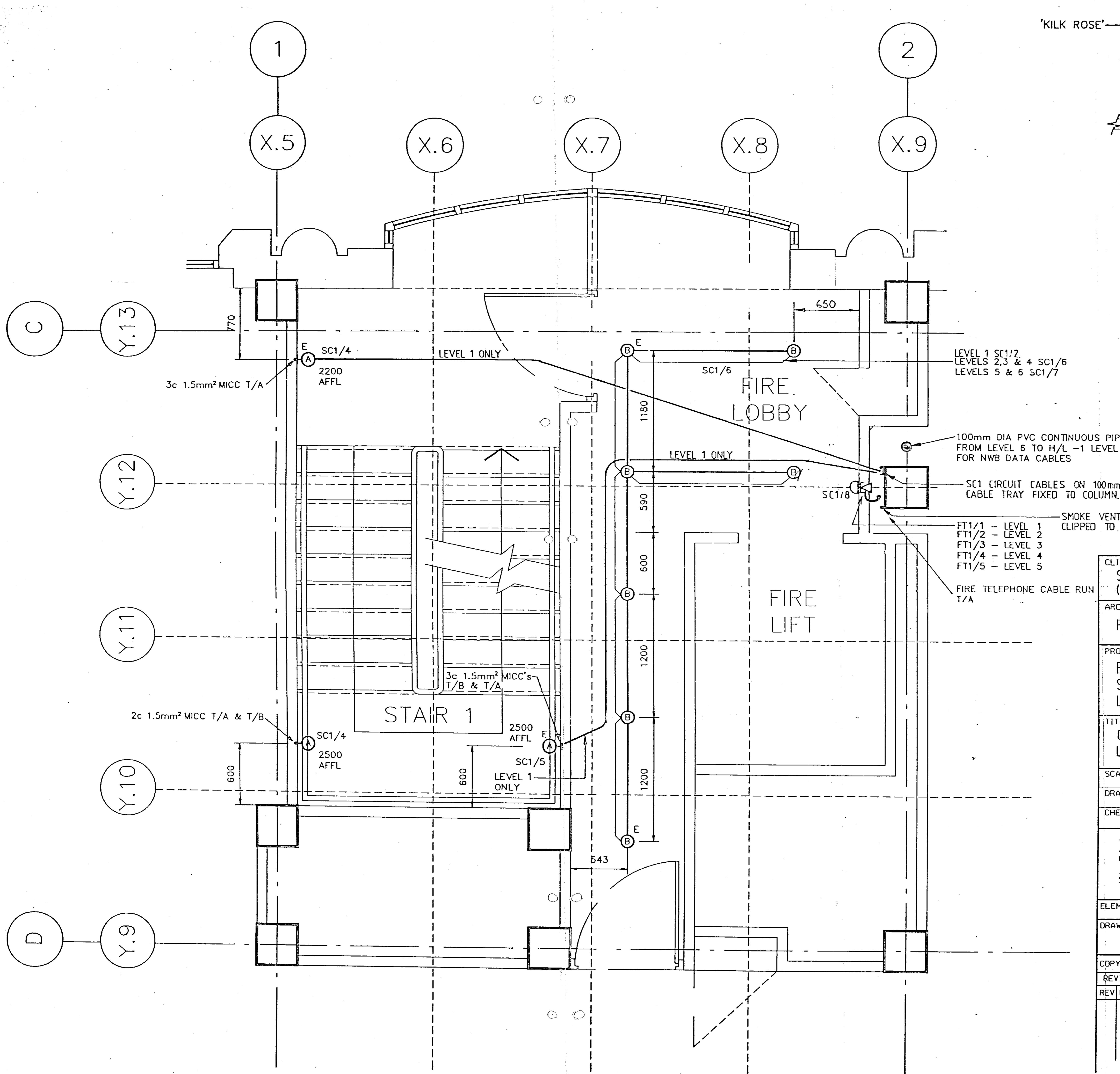
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NOTES

FOR AS-INSTALLED DETAILS REFER TO
ELECTRICAL AS-INSTALLED RECORD DRAWINGS



TYPICAL ARRANGEMENT
FOR 'B' TYPE FITTINGS
N.T.S.



CLIENT
SPAXE PROPERTIES
(IN RECEIVERSHIP)

ARCHITECT
FITZROY ROBINSON PARTNERSHIP

PROJECT
EXCHEQUER COURT
ST.MARY AXE
LONDON EC4

TITLE
CORE 1 LEVELS 1-5
LIGHTING & POWER LAYOUT

SCALE 1:20 JRP PROJECT No.
DRAWN BY KAB DATE MAR.94
CHECKED BY P.R.P. DATE MAR.94 DISCIPLINE ELECTRICAL

J Roger Preston & Partners
CONSULTING MECHANICAL & ELECTRICAL ENGINEERS
29 BROADWAY MAIDENHEAD BERKSHIRE SL6 1LY
TELEPHONE (0628) 23423

ELEMENT
DRAWING No. 5847/E/2513 REV REC

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REVISIONS/STATUS

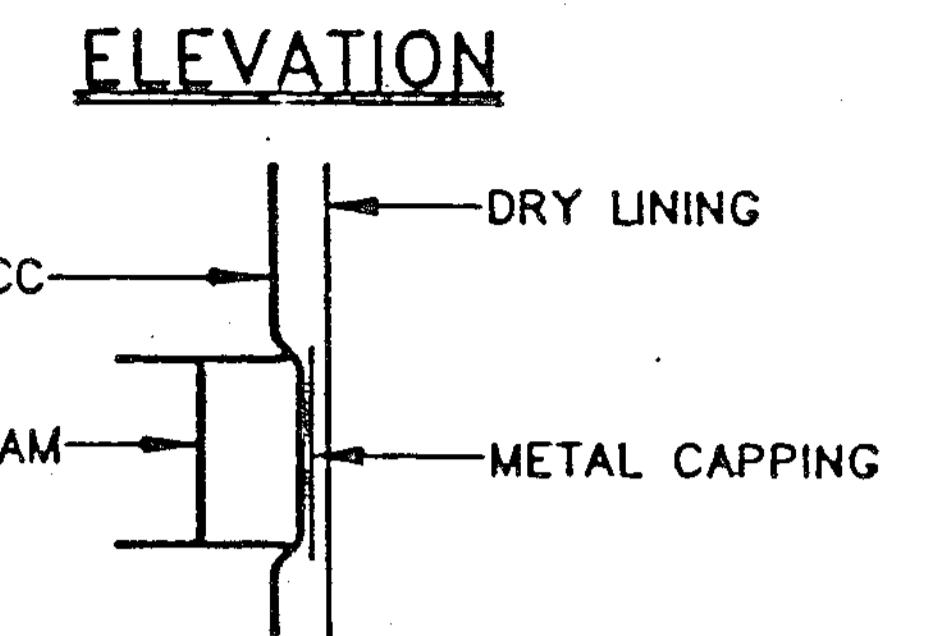
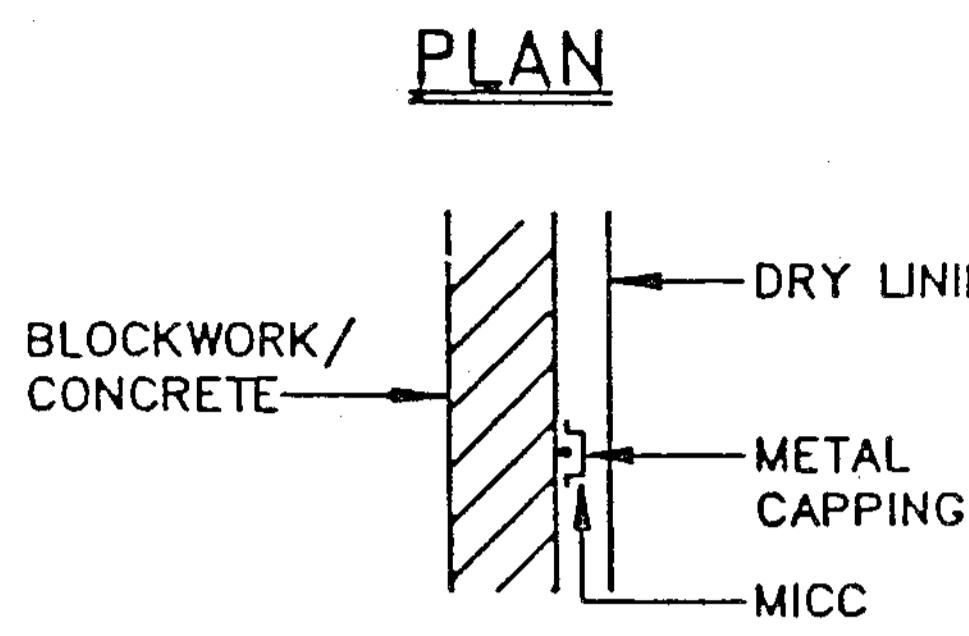
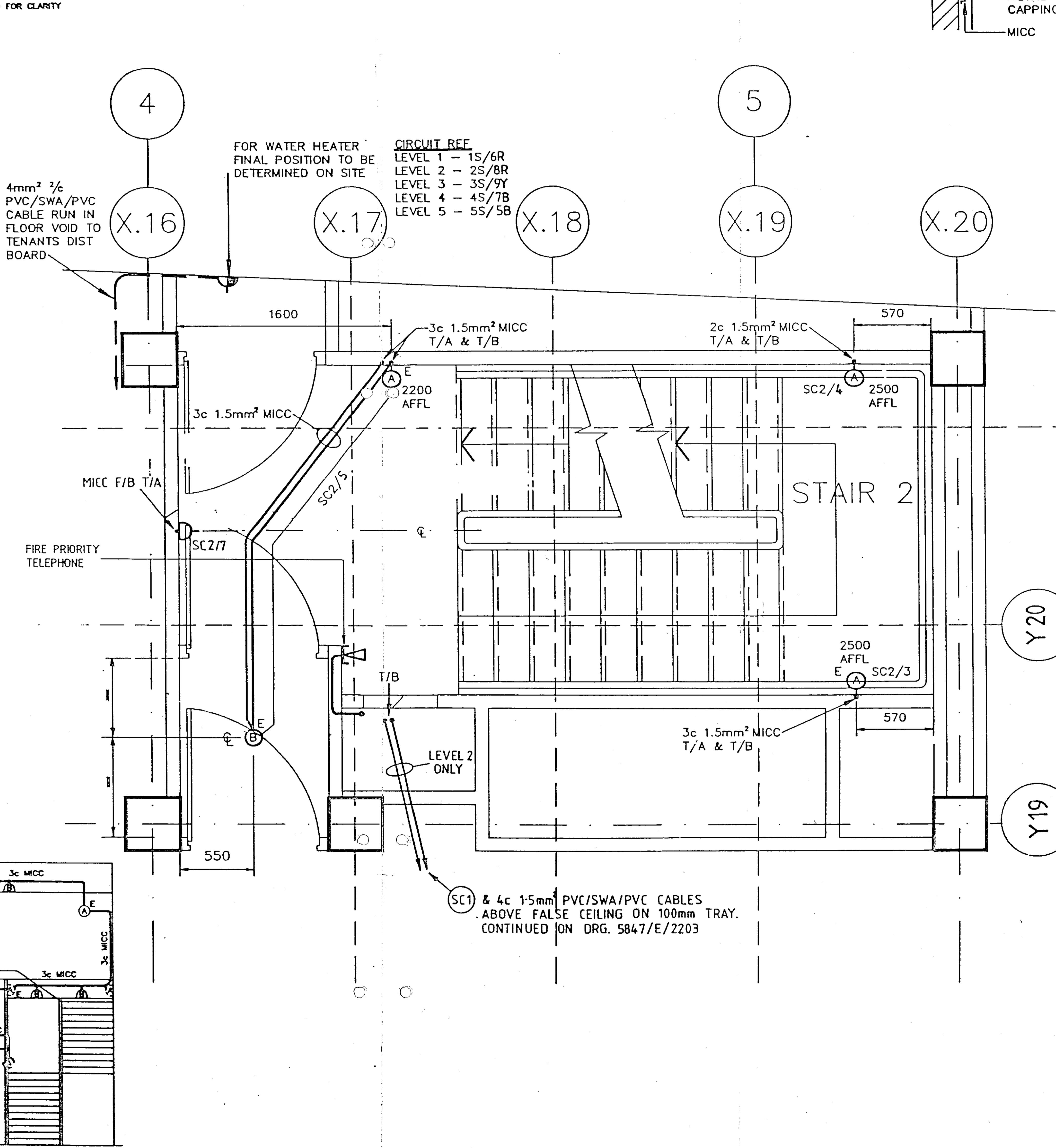
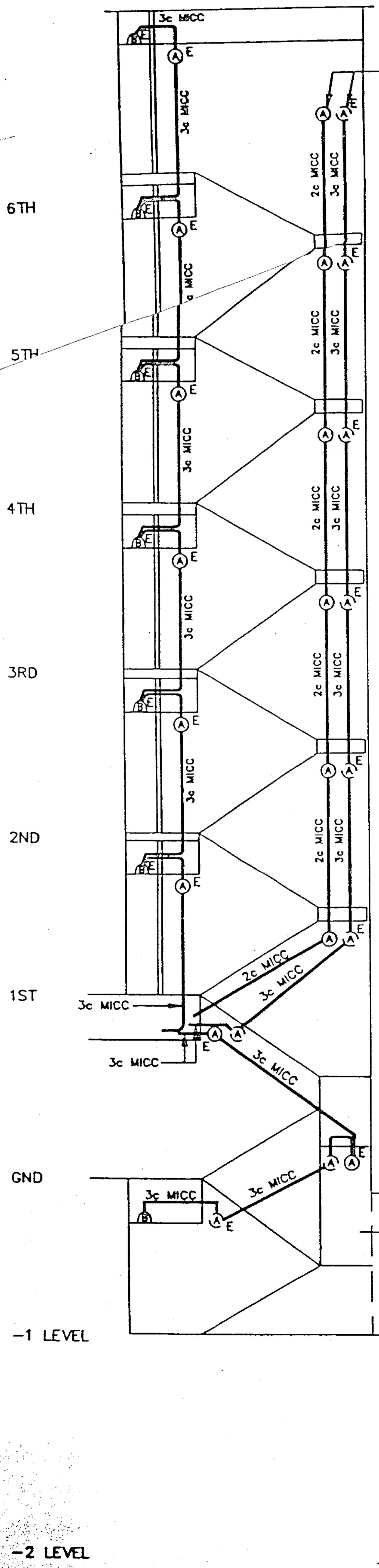
REV	REF	DATE	DESCRIPTION	CHECKED

NOTES

FOR AS-INSTALLED DETAILS REFER TO
ELECTRICAL AS-INSTALLED RECORD DRAWINGS

NOTE: WHERE MICC PASSES OVER BEAM
WITH DRY LINING, OR, WHERE
MICC IS RUN ON BLOCKWORK/CONCRETE
WITH DRY LINING COVER. MICC IS TO HAVE
METAL CAPPING COVER FOR PROTECTION
AS SHOWN BELOW

**DIAGMATIC SECTION
THROUGH STAIRCASE
SHOWING VERTICAL
MICC RUNS**



CLIENT	SPAXE PROPERTIES (IN RECEIVERSHIP)			
ARCHITECT	FITZROY ROBINSON PARTNERSHIP			
PROJECT	EXCHEQUER COURT ST.MARY AXE LONDON EC4			
TITLE	CORE 2 LEVELS 1-5 LIGHTING & POWER LAYOUT			
SCALE	1:20			
DRAWN BY KAB	JRP PROJECT NO. 5847			
CHECKED BY	DATE MAR.94			
	DISCIPLINE ELECTRICAL			
J Roger Preston & Partners CONSULTING MECHANICAL & ELECTRICAL ENGINEERS 29 BROADWAY MAIDENHEAD BERKSHIRE SL6 1LY TELEPHONE (0628) 23423				
ELEMENT				
DRAWING No.	REV			
5847/E/2514	REC			
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REV	REF	DATE	DESCRIPTION	CHECKED

NOTES

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CLIENT
SPAXE PROPERTIES
(IN RECEIVERSHIP)

ARCHITECT
FITZROY ROBINSON PARTNERSHIP

PROJECT
EXCHEQUER COURT
ST.MARY AXE
LONDON EC4

TITLE
CORE 3 LEVEL 1
LIGHTING & POWER LAYOUT

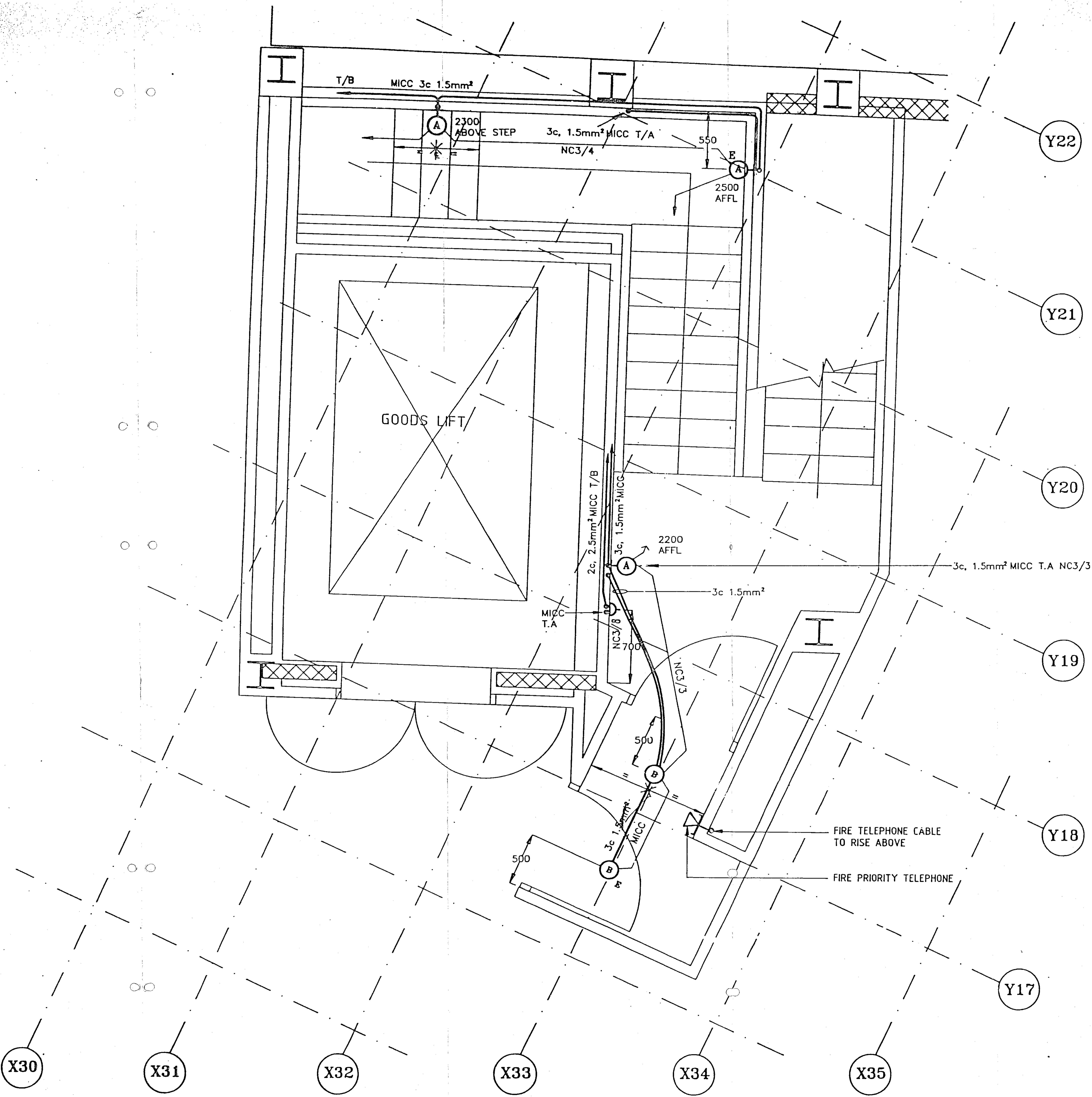
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DRAWN BY KAB DATE MAR.94 5847
CHECKED BY A DATE APR '94 DISCIPLINE ELECTRICAL


J Roger Preston & Partners
CONSULTING MECHANICAL & ELECTRICAL ENGINEERS
29 BROADWAY MAIDENHEAD BERKSHIRE SL6 1LY
TELEPHONE (0628) 23423

ELEMENT
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			CHECKED





CLIENT	SPAXE PROPERTIES (IN RECEIVERSHIP)			
ARCHITECT	FITZROY ROBINSON PARTNERSHIP			
PROJECT	EXCHEQUER COURT ST.MARY AXE LONDON EC4			
TITLE	CORE 4/6 LEVELS 1-6 LIGHTING & POWER LAYOUT			
SCALE	1:20			
DRAWN BY	KAB			
DATE	MAR.94			
CHECKED BY				
DISCIPLINE	ELECTRICAL			
J.Roger Preston & Partners				
CONSULTING MECHANICAL & ELECTRICAL ENGINEERS				
29 BROADWAY MAIDENHEAD BERKSHIRE SL6 1LY				
TELEPHONE (0628) 23423				
ELEMENT				
DRAWING No. 5847/E/2516 REV REC				
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REV	REF	DATE	DESCRIPTION	CHECKED



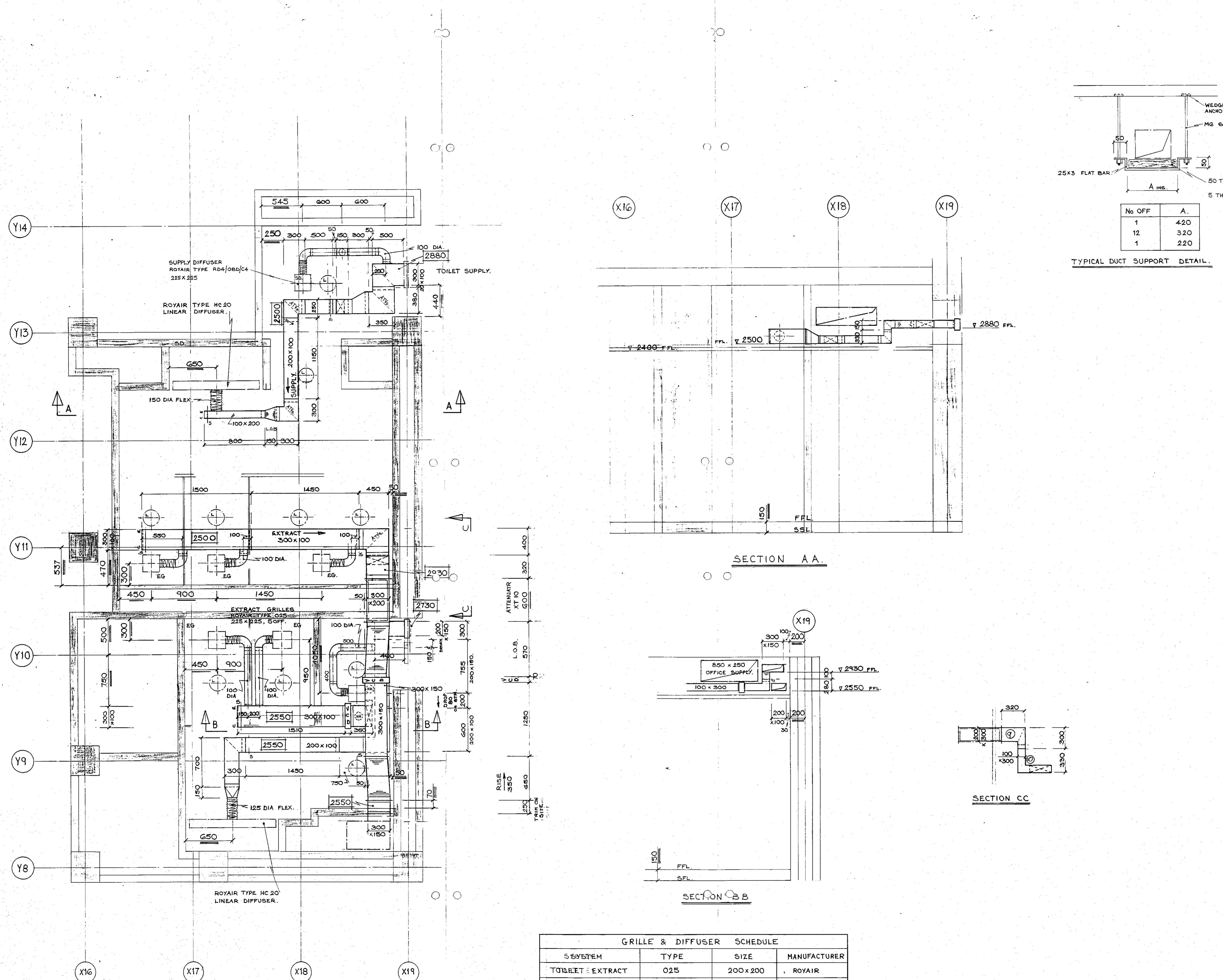
DAVIES HOPPITERS

IES & CO. SHOPFITTERS LTD.
JORN LANE LONDON W3 6QU
992 3444 FAX 081 992 0726

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DIMENSIONS TO BE CHECKED ON

MATERIALS AND DIMENSIONS TO BE CHECKED ON BEFORE WORKS COMMENCE.

DAVIES TECHNICAL



SECTION BBB

GRILLE & DIFFUSER SCHEDULE			
SYSTEM	TYPE	SIZE	MANUFACTURER
TOILET EXTRACT	O25	200x200	ROYAIR
TOILET LOBBY SUPPLY	RD4-OBD/CN	100/295	ROYAIR
TOILET SUPPLY	MS-20-2	1180	ROYAIR

AS
INSTALLED

**PROJECT
EXCHEQUER COURT
ST MARY'S AXE
LONDON**

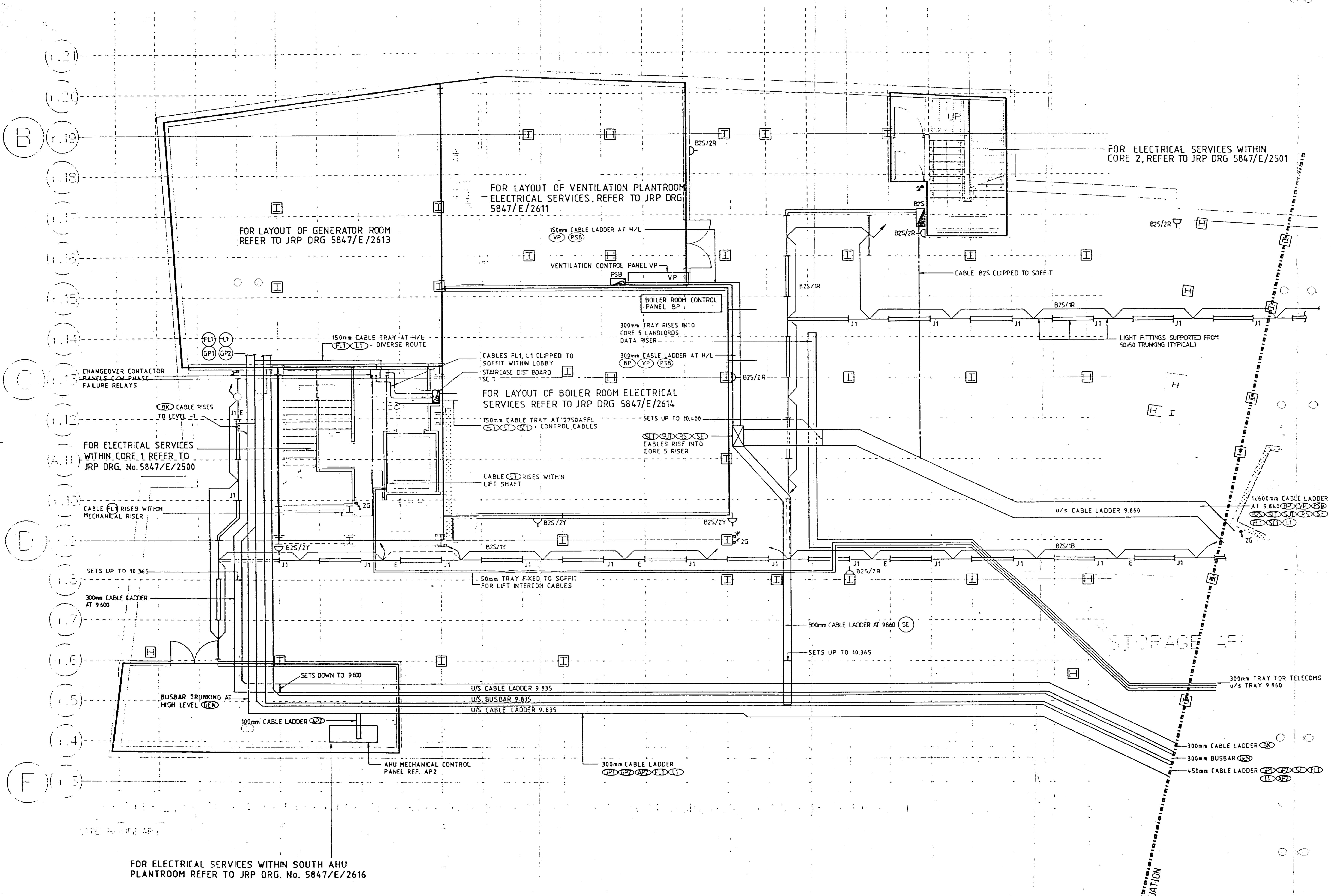
**DETAIL OF SUPPLY & EXTRACT
SERVING TOILETS.
MORE 5 , FLOORS 1 - 6.**

CALE 1 20

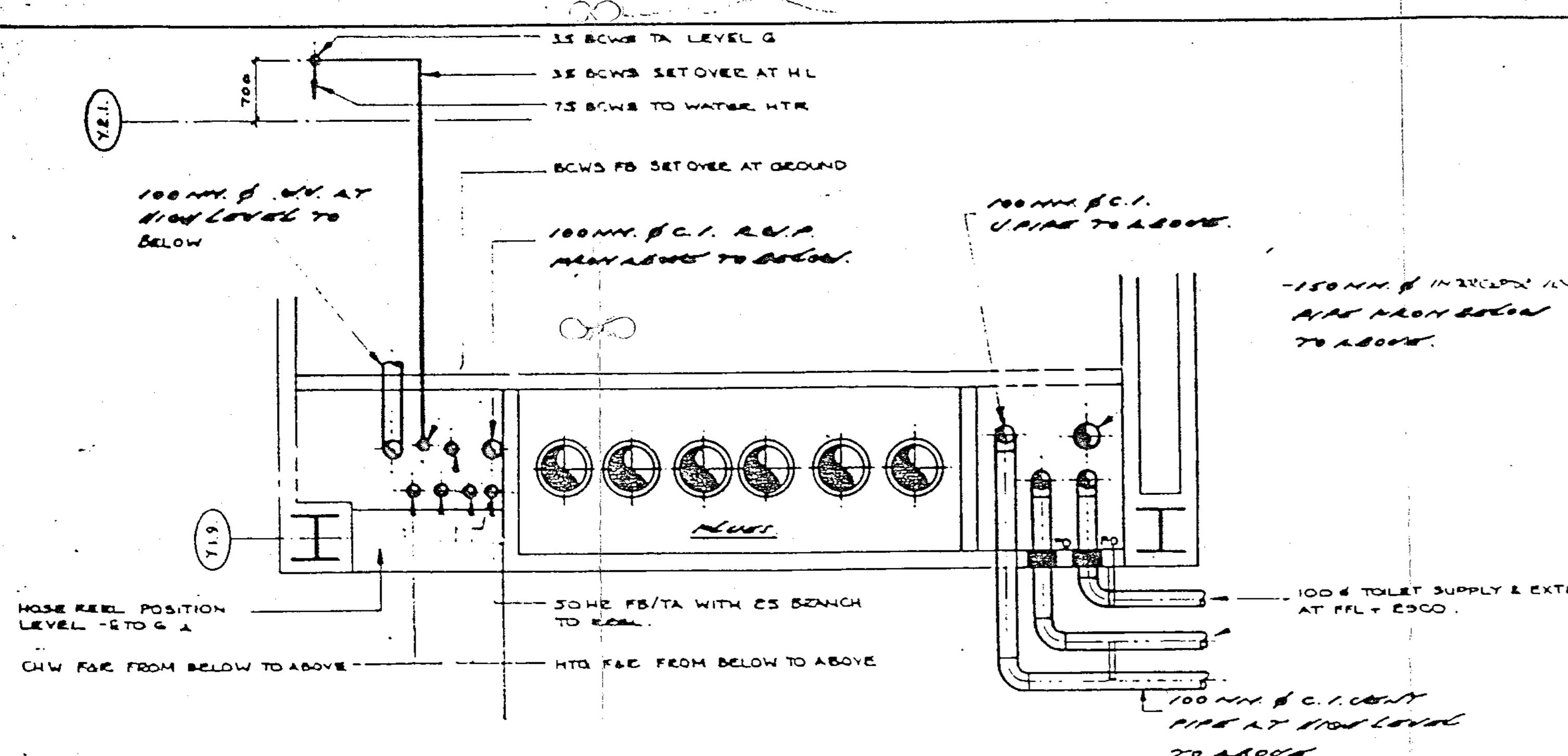
DRAWN D RUSSELL

DATE JUNE 1995

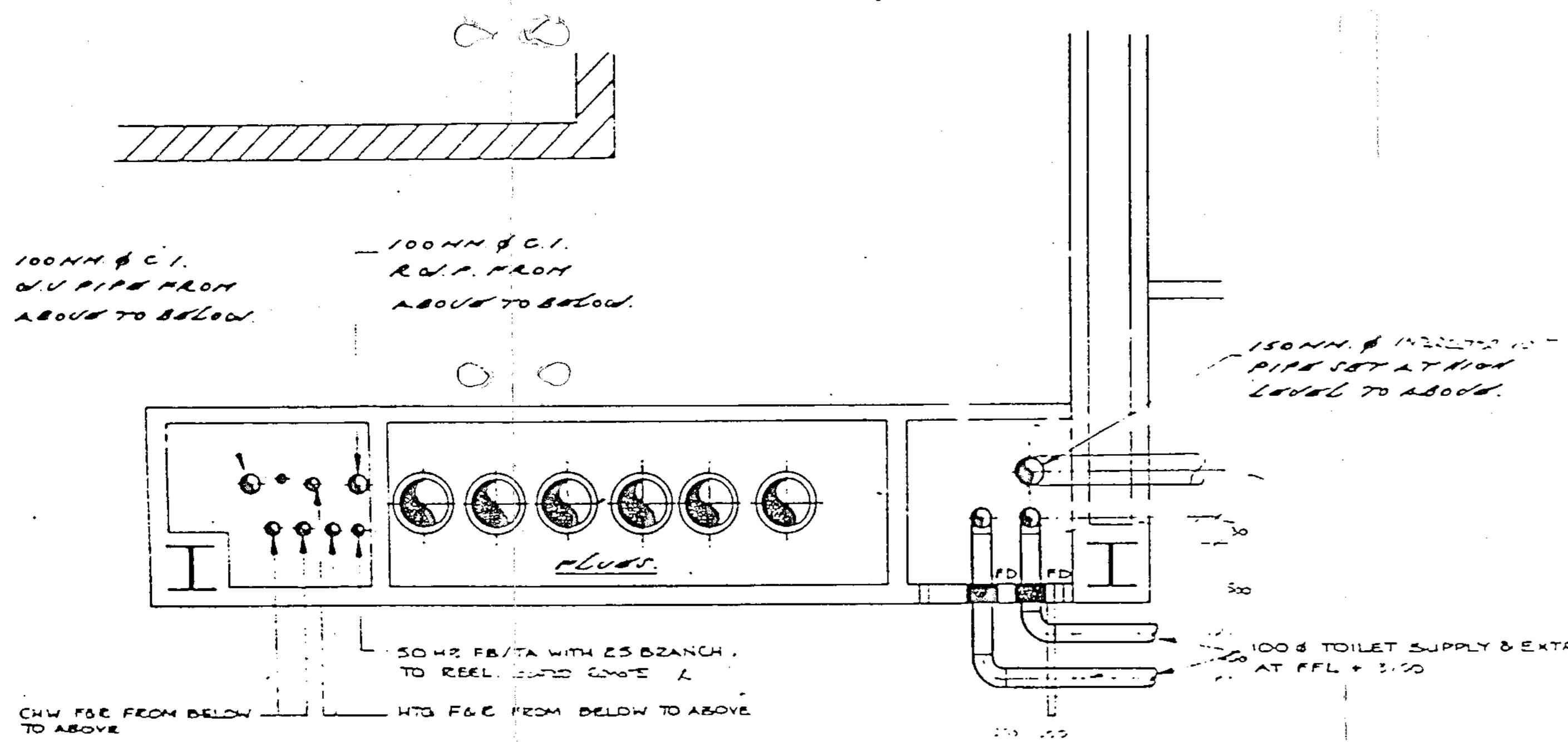
CONTRACT DRAWING	REV.
367 - 75	



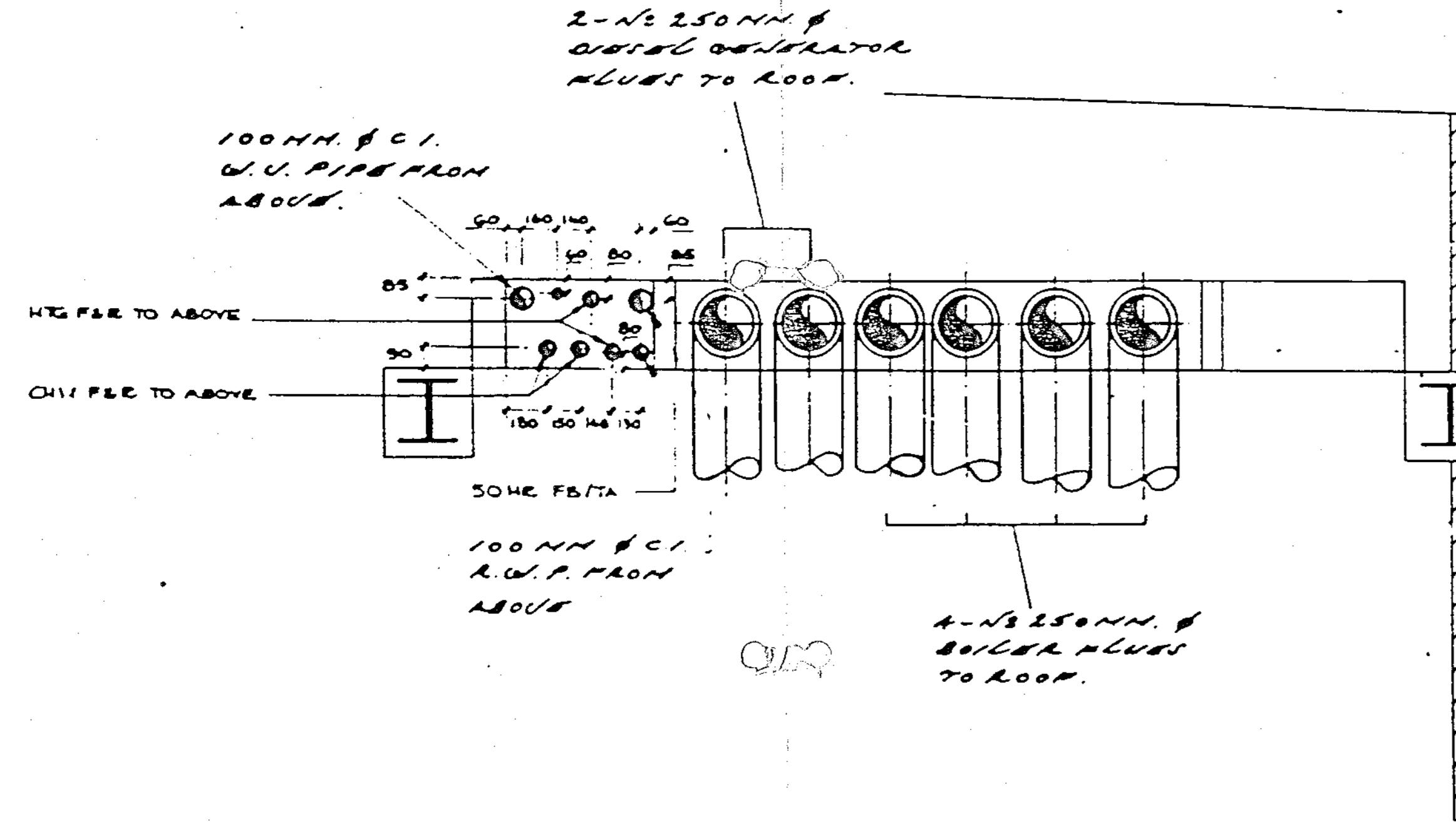
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ARCHITECT FITZROY ROBINSON PARTNERSHIP				
PROJECT EXCHEQUER COURT St MARY AXE LONDON EC4				
TITLE LEVEL -2 BASEMENT SOUTH ELECTRICAL SERVICES				
SCALE	1:50	JRP PROJECT No.	5847	
DRAWN BY	COD	DATE	MAY '94	
CHECKED BY	X	DATE	JULY '94	
DISCIPLINE ELECTRICAL				
J Roger Preston & Partners CONSULTING MECHANICAL & ELECTRICAL ENGINEERS 29 BROADWAY MAIDENHEAD BERKSHIRE SL6 1LY TELEPHONE (0628) 23423				
ELEMENT	DRAWING No.			REV
	5847/E/2600			REC
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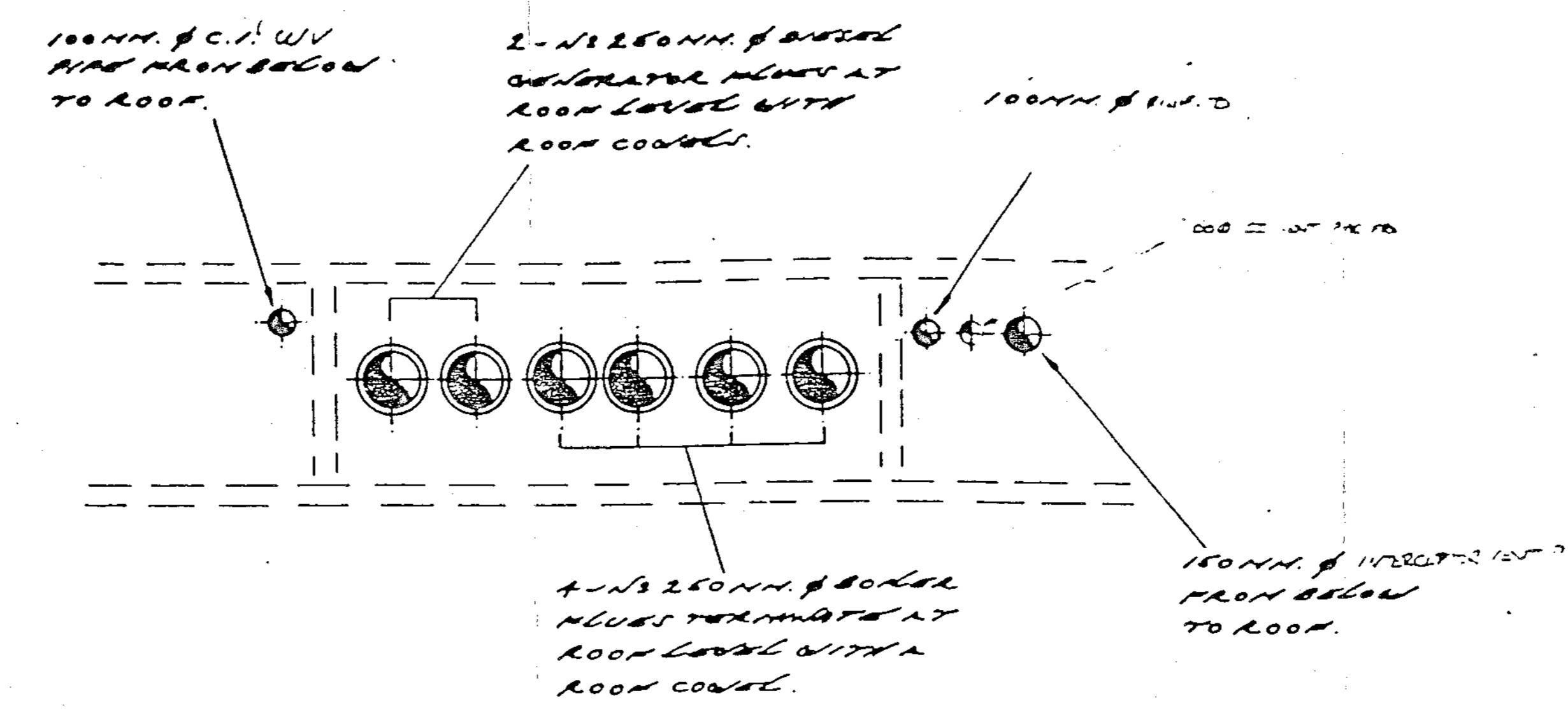
GROUND FLOOR



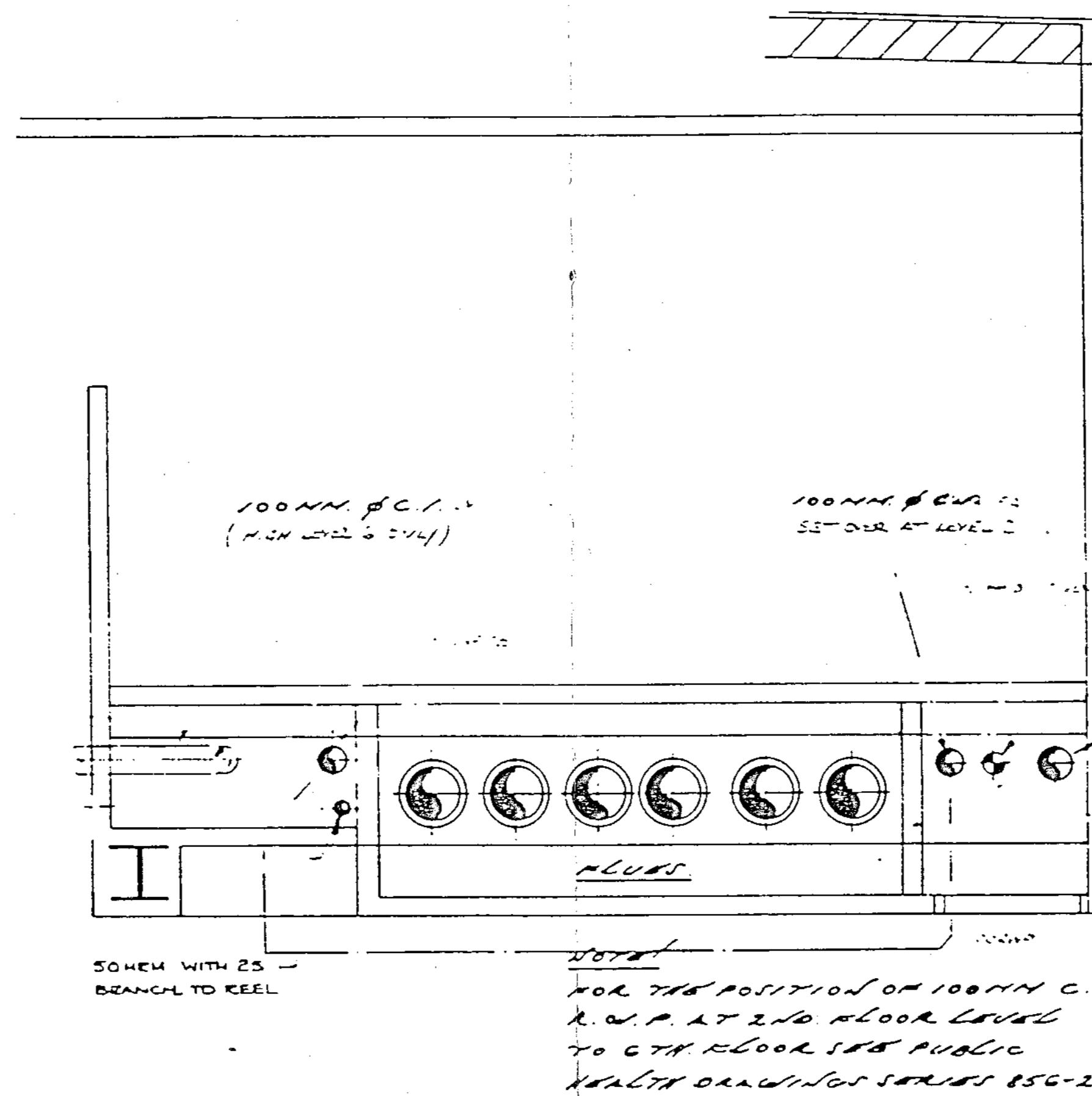
-1 Look



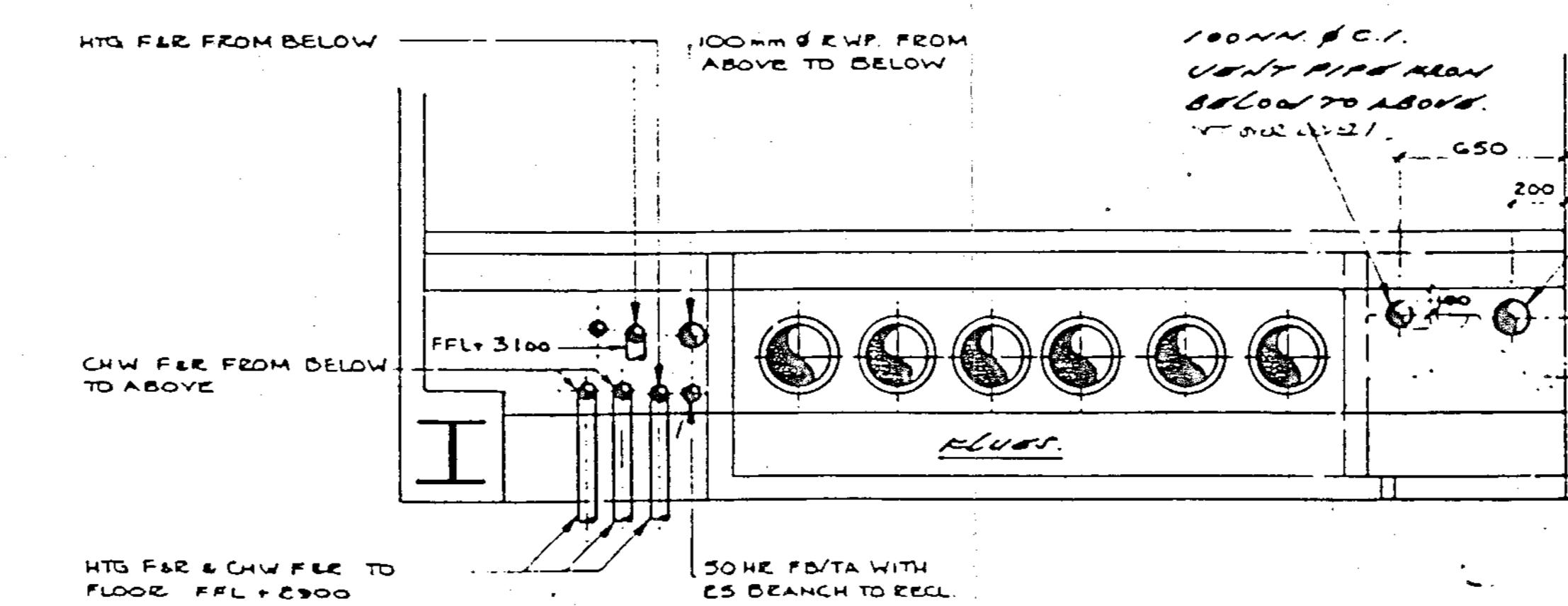
-2 levels



~~ROOK COVET - 7th NOV~~



Two school levels no grad school



157 a60

NOTES

FOR AS-INSTALLED DETAILS REFER TO
MECHANICAL AS-INSTALLED RECORD DRAWINGS.

CLIENT	SPAXE PROPERTIES (IN RECEIVERSHIP)		
ARCHITECT	FITZROY ROBINSON PARTNERSHIP		
PROJECT	EXCHEQUER COURT ST.MARY AXE LONDON EC4		
TITLE	CORE 2 - MECHANICAL & PUBLIC HEALTH SERVICES		
SCALE	1:20	JEP PROJECT No.	5847
DRAWN BY	TGM	DATE	MAR.94
CHECHED BY	<i>[Signature]</i>	DATE	<i>[Signature]</i>
J Roger Preston & Partners CONSULTING MECHANICAL & ELECTRICAL ENGINEERS 29 BROADWAY MAIDENHEAD BUCKSHIRE SL6 1LY TELEPHONE (0628) 23423			
ELEMENT			
DRAWING No.	5847/M/1510	REV.	RSC
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REVISIONS / STATUS			
REV. REF. DATE	DESCRIPTION	CHECKED	

NOTES

FOR AS-INSTALLED DETAILS REFER TO
ELECTRICAL AS-INSTALLED RECORD DRAWINGS

LEGEND TYPICAL

- S** LIGHTING DISTRIBUTION BOX TO BE LOCATED ON SITE BY ELECTRICAL CONTRACTOR. WPL64.

C LIGHTING BUS-BAR WITH CENTRE FEED UNIT. DIMENSIONS ARE TO CENTRE LINES

E LIGHTING BUS-BAR WITH END FEED UNIT. DIMENSIONS ARE TO END OF UNIT & CENTRE LINE ALONG LENGTH

TABLE CONNECTIONS

TOP OF BUS-BAR
7830 AFL TYPICAL
EXCEPT LEVEL 0
WHICH IS 3150 AF

CENTRE FEED UNIT
MOUNTED UPRIGHT

SOCKET OUTLET
ON SIDE OF
BUS BAR

**PAXE PROPERTIES
IN RECEIVERSHIP)**

ITZROY ROBINSON PARTNERSHIP

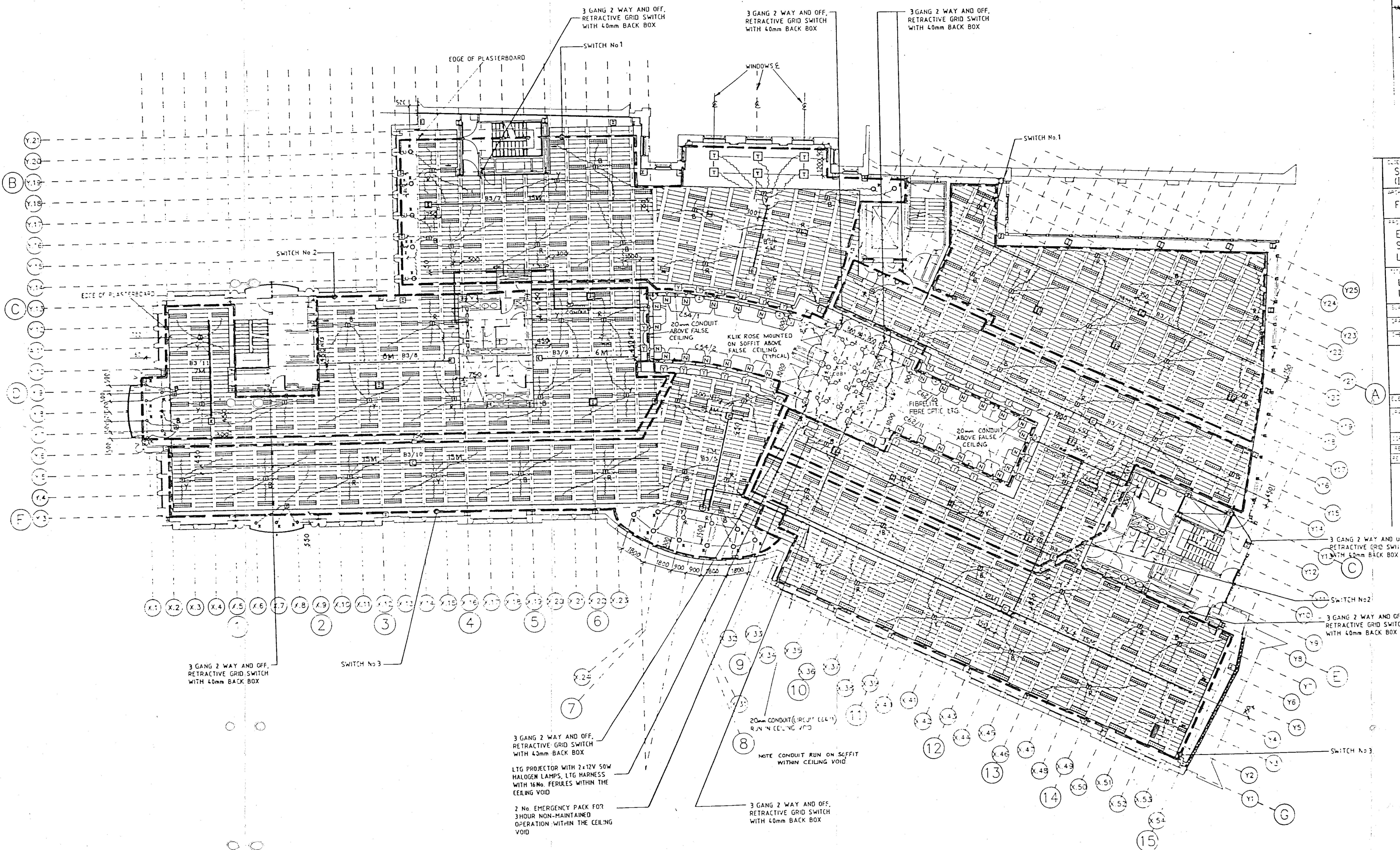
EXCHEQUER COURT
ST. MARY AXE
LONDON EC4

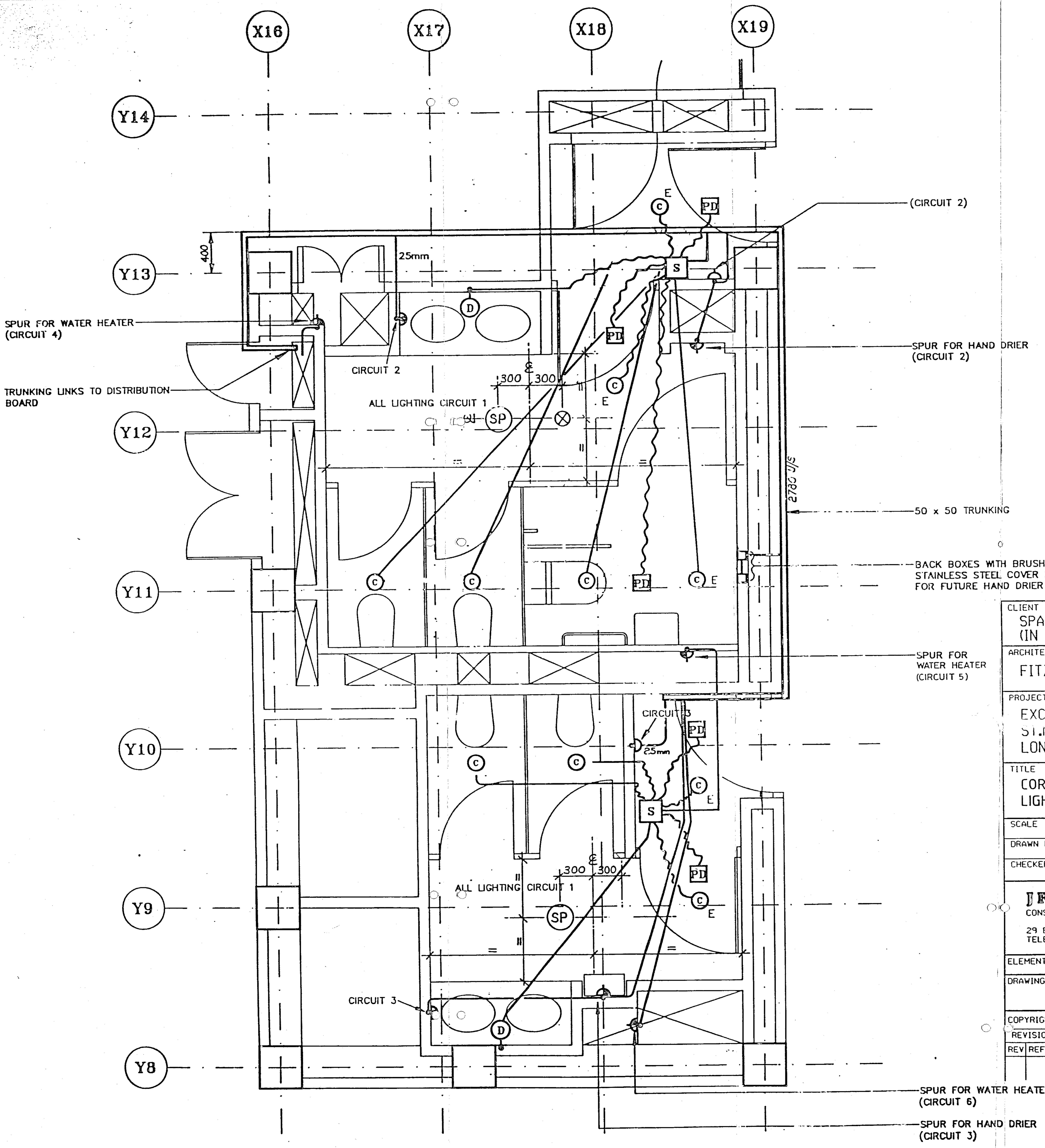
LEVEL 3 LIGHTING LAYOUT

1:100	JPP PROJECT NO. 5847
KAB	DATE 9.3.94
<i>Subbed</i>	DATE 9/3/94
DISCIPLINE ELECTRICAL	

J Roger Preston & Partners	
CONSULTING MECHANICAL & ELECTRICAL ENGINEERS	
29 EASTWOOD, MAIDENHEAD BERKSHIRE SL6 5LY	
TELEPHONE (0628) 23423	
RECEIVED	
SEARCHED	INDEXED
5847/E/2204	REC
J ROGER PRESTON & PARTNERS	
MAIDENHEAD	
SEARCHED INDEXED	
SEARCHED INDEXED	

VAV. PB4 134 - X52- Y2





CLIENT
SPAXE PROPERTIES
(IN RECEIVERSHIP)

ARCHITECT
FITZROY ROBINSON PARTNERSHIP

PROJECT
EXCHEQUER COURT
ST MARY AXE
LONDON EC4

TITLE
CORE 5 LEVELS 1-6
LIGHTING & POWER LAYOUT

SCALE 1:20	JRP PROJECT No.	5847
DRAWN BY KAB	DATE	MAR.94
CHECKED BY Q	DATE	Mar.94

DISCIPLINE ELECTRICAL

J Roger Preston & Partners
CONSULTING MECHANICAL & ELECTRICAL ENGINEERS
29 BROADWAY MAIDENHEAD BERKSHIRE SL6 1LY
TELEPHONE (0628) 23423

ELEMENT	REV.
DRAWING No.	REC

5847/E/2517

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REVISIONS/STATUS		
REV	REF	DATE
		DESCRIPTION
		CHECKED

NOTES

FOR AS-INSTALLED DETAILS REFER TO
MECHANICAL AS-INSTALLED RECORD DRAWING

CLIENT
SPAXE PROPERTIES
(IN RECEIVERSHIP)

ARCHITECT
FITZROY ROBINSON PARTNERSHIP

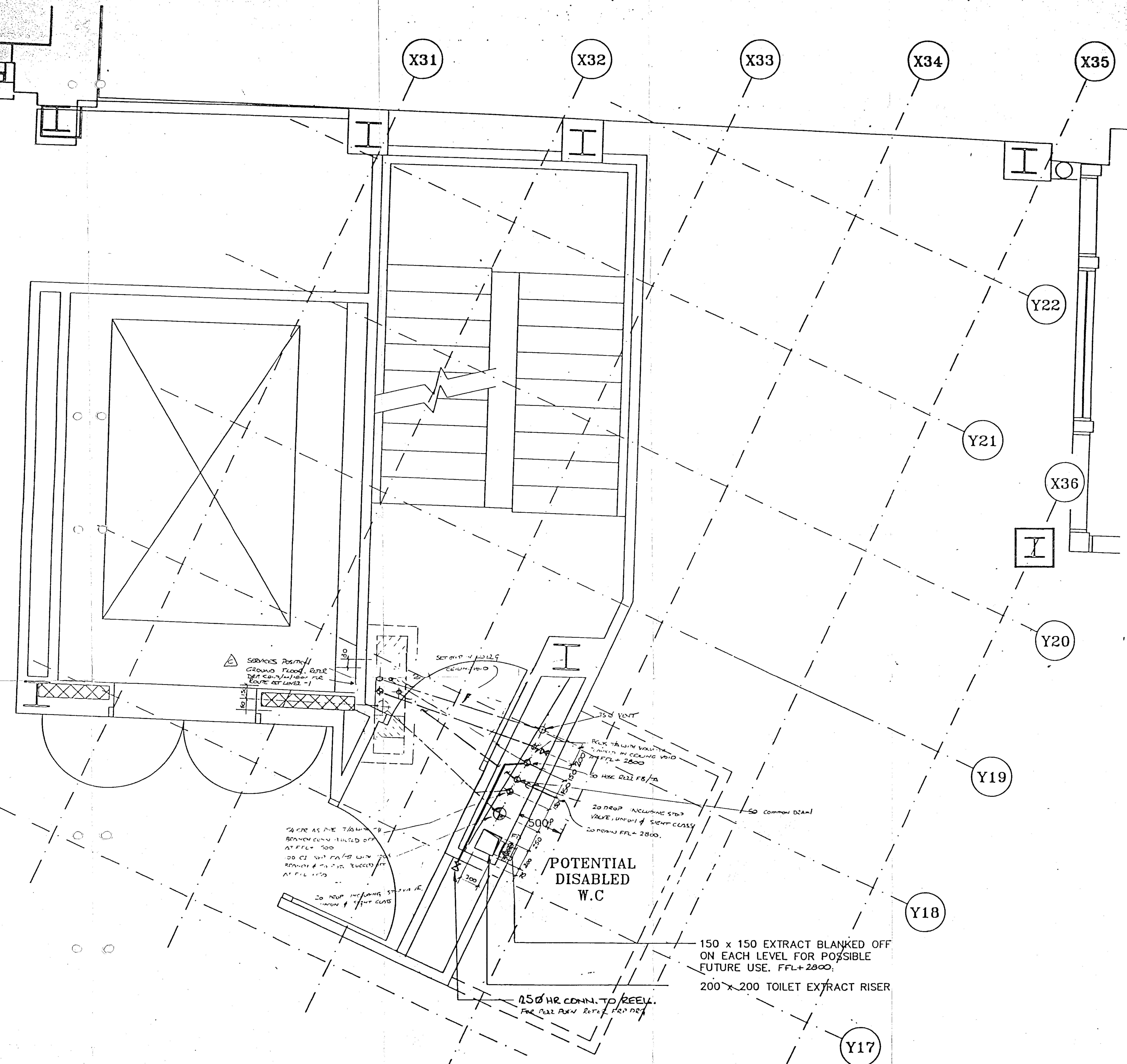
PROJECT
EXCHEQUER COURT
ST.MARY AXE
LONDON EC4

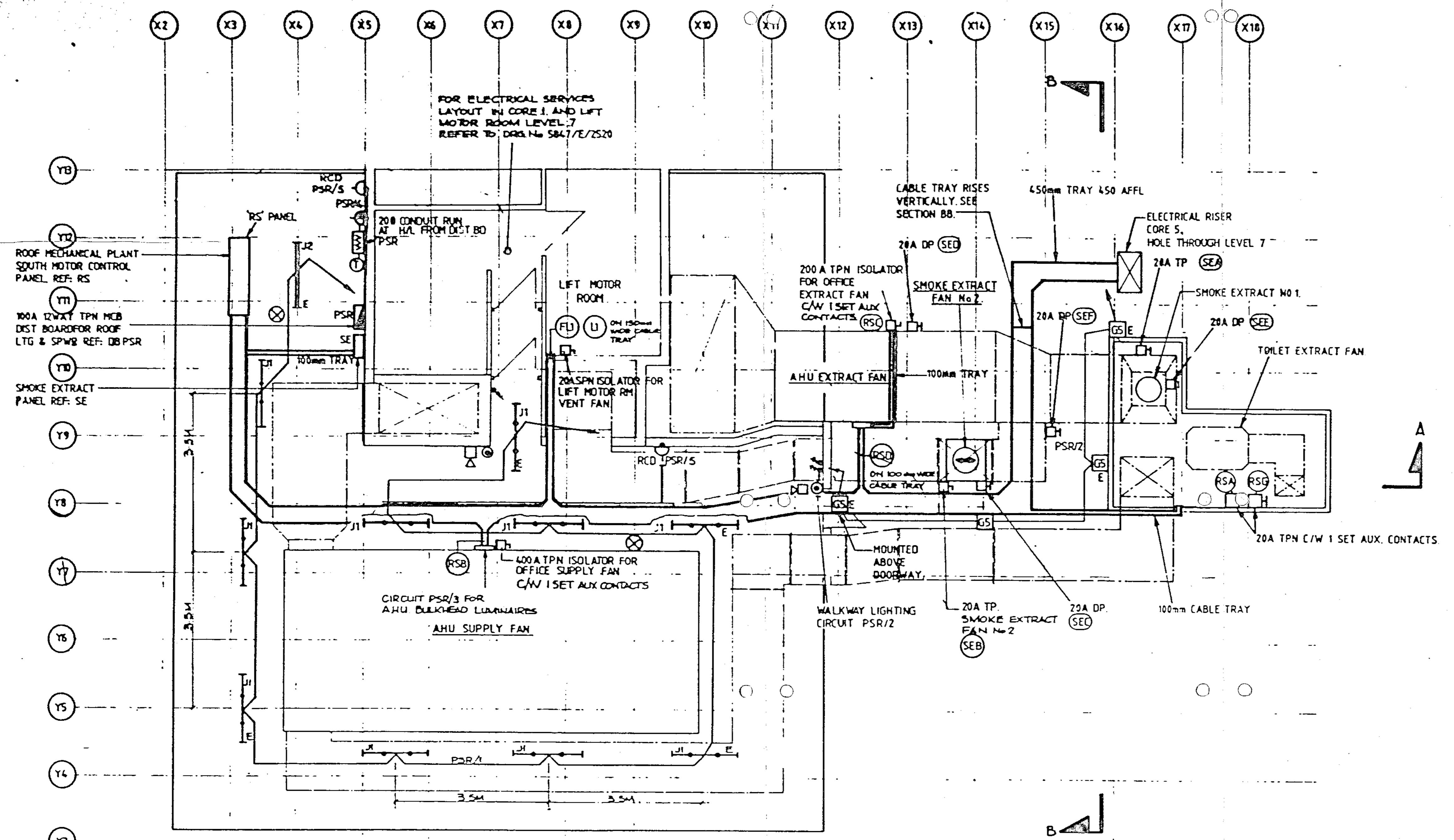
TITLE
CORE 3 TYPICAL
FLOORS G-6
MECHANICAL SERVICES LAYOUT

SCALE 1:20 JRP PROJECT No. 5847
DRAWN BY DH DATE MAR 94 DISCIPLINE
CHECKED BY TBM DATE 30/3/94 MECHANICAL

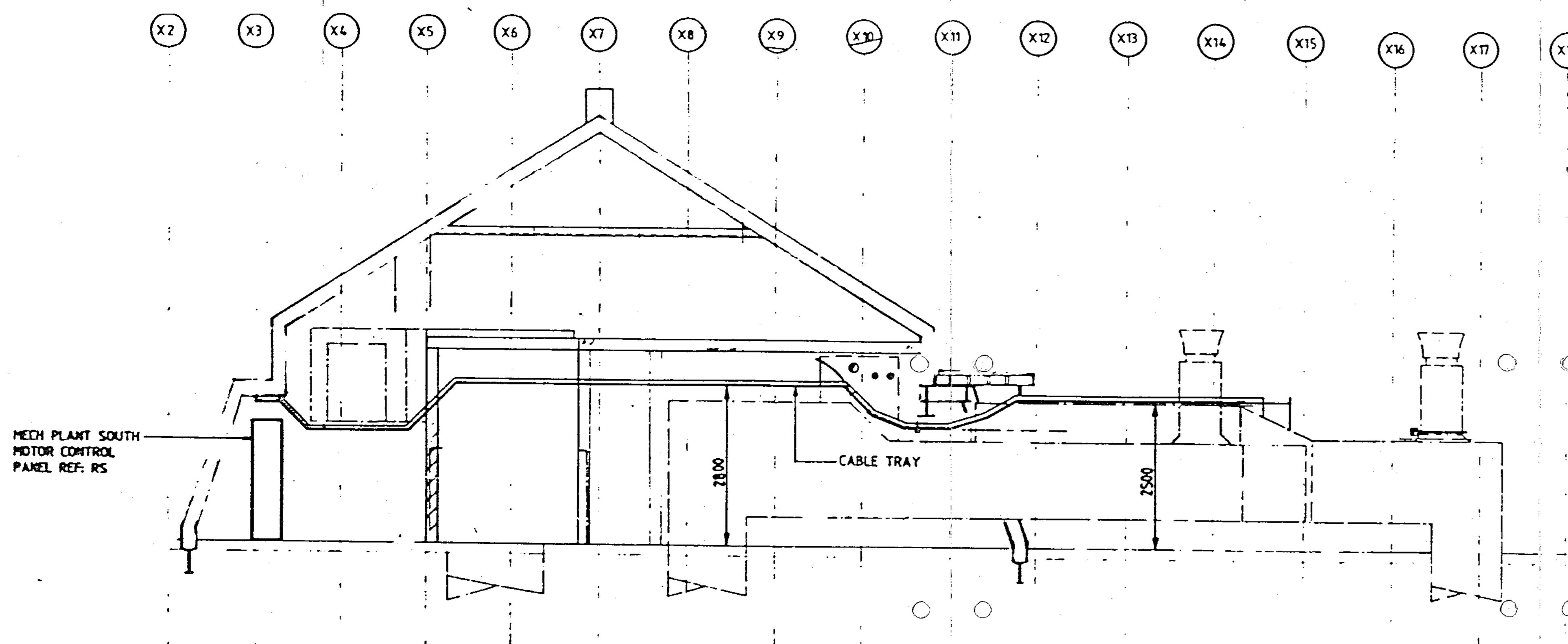
J Roger Preston & Partners
CONSULTING MECHANICAL & ELECTRICAL ENGINEERS
29 BROADWAY MAIDENHEAD BERKSHIRE SL6 1LY
TELEPHONE (0628) 23423

ELEMENT		REV
DRAWING NO.	REV	REC
5847/M/1521		
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REVISIONS/STATUS		
REV REF	DATE	DESCRIPTION
		CHECKED

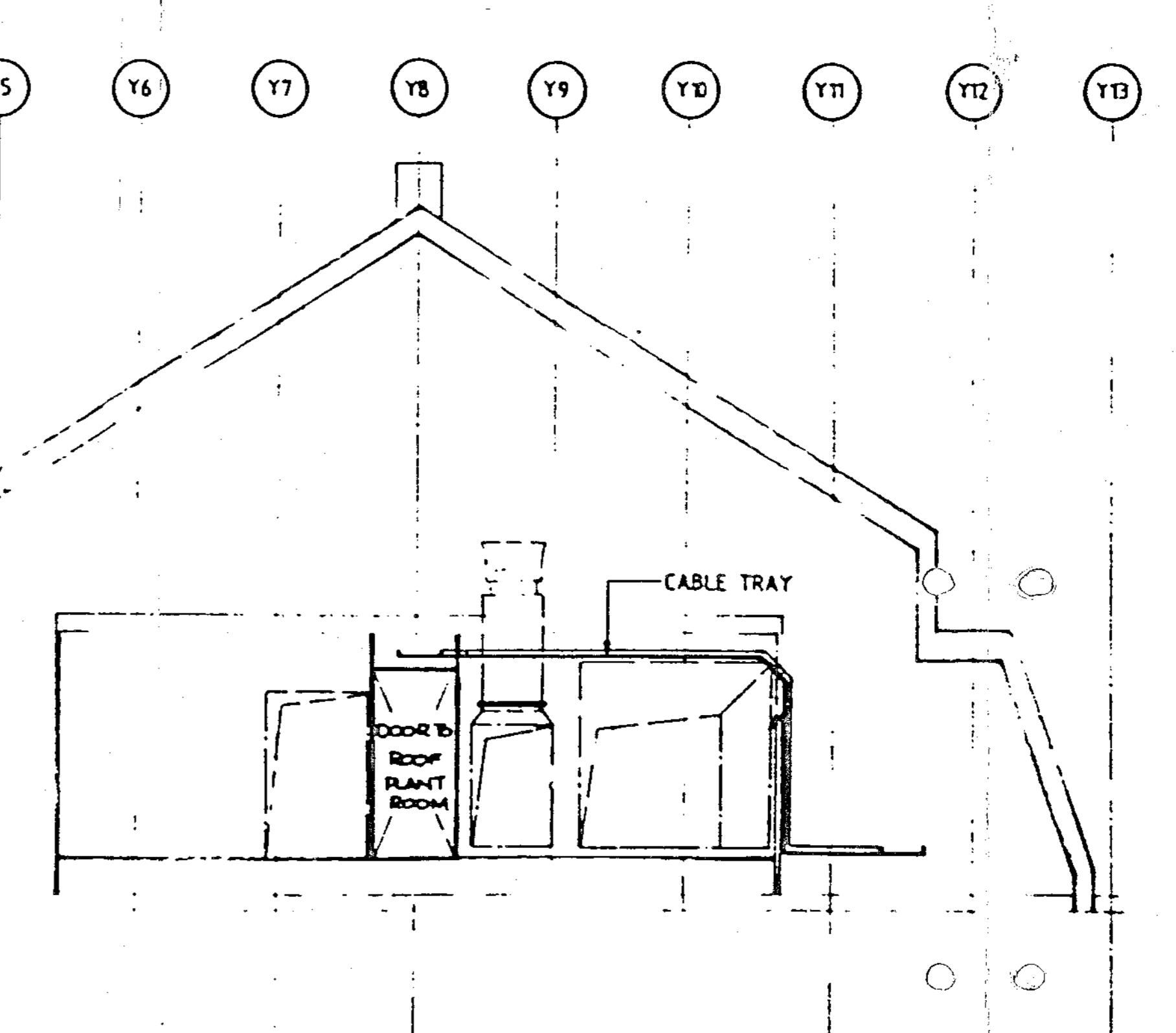




SECTION A-A

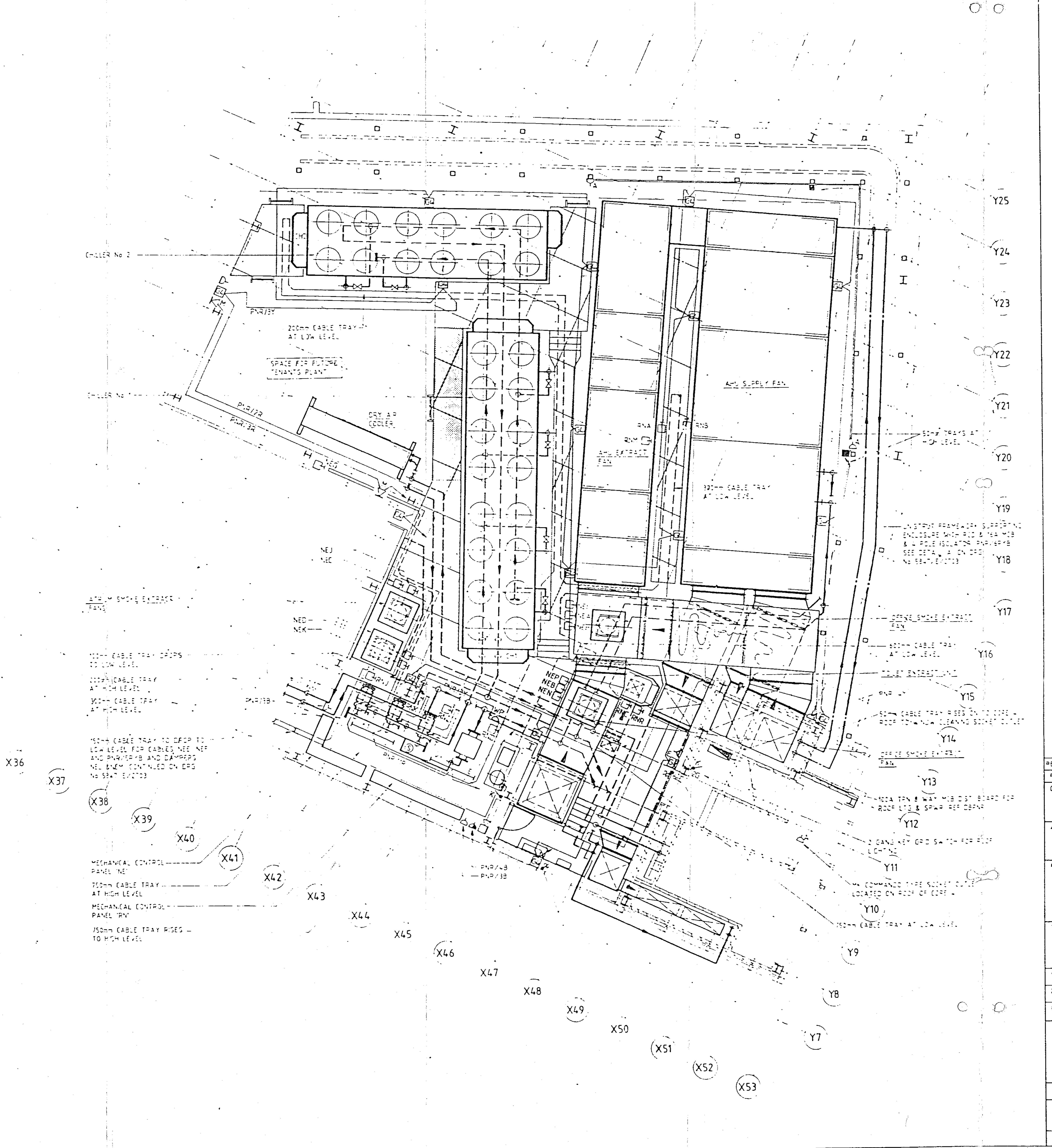


SECTION B-B



5847) E) 2701

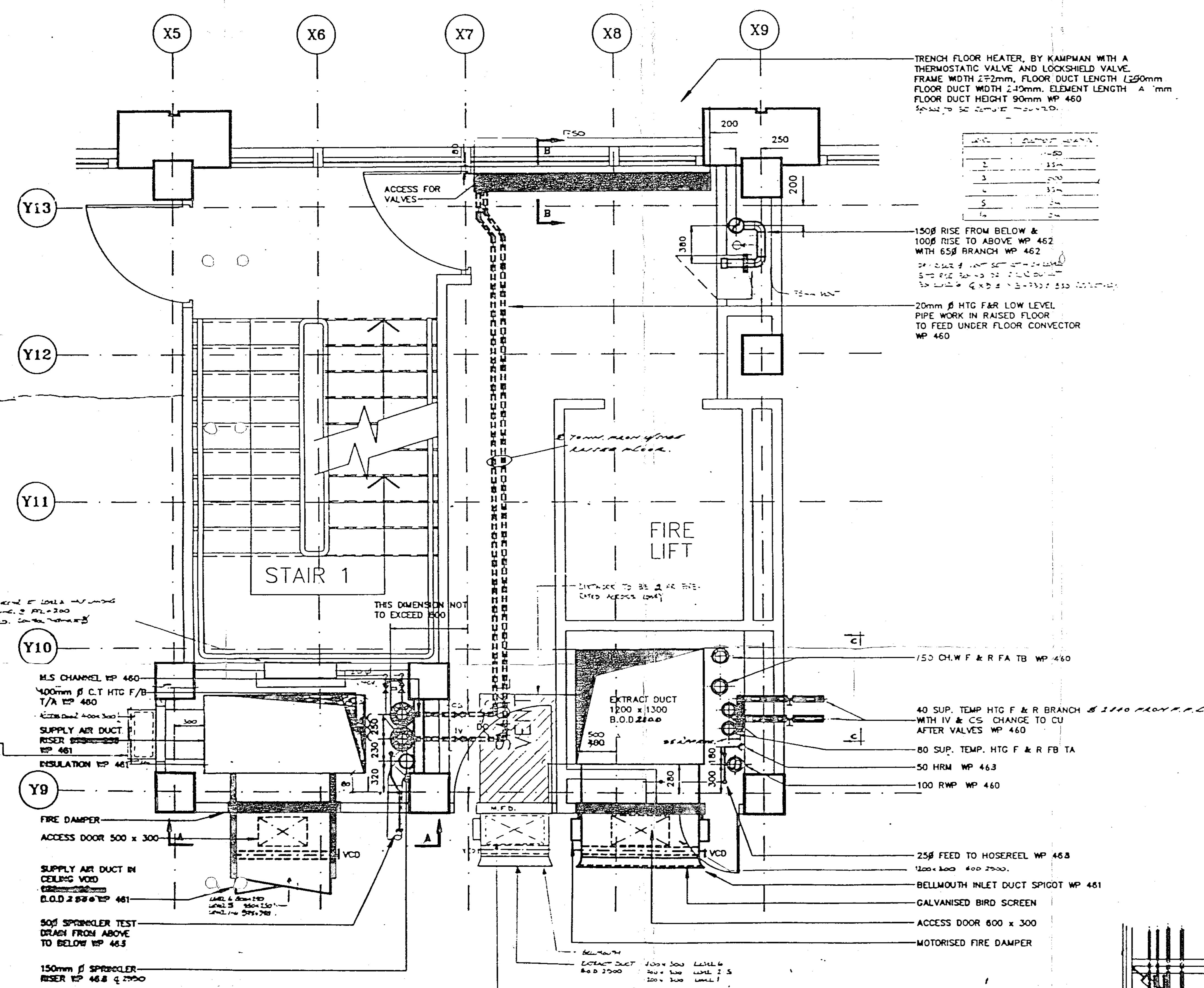
CLIENT	SPAXE PROPERTIES (IN RECEIVERSHIP)			
ARCHITECT	FITZROY ROBINSON PARTNERSHIP			
PROJECT	EXCHEQUER COURT ST MARY AXE LONDON EC4			
TITLE	SOUTH ROOF PLANT AREA PLAN ELECTRICAL SERVICES			
SCALE	1:50	JRP PROJECT No.	5847	
DRAWN BY	KAB	DATE	MAR.94	
CHECKED BY		DATE	MAR.94	
DISCIPLINE ELECTRICAL				
J Roger Preston & Partners CONSULTING MECHANICAL & ELECTRICAL ENGINEERS 29 BROADWAY MAIDENHEAD BERKSHIRE SL6 5LY TELEPHONE 086280 23423				
ELEMENT	I	I	I	
DRAWING No.	5847/E/2701		REV REC	
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REVISIONS/STATUS				
REV	REF	DATE	DESCRIPTION	CHECKED



REV	PER DATE	DESCRIPTION	CHECKED
REVISIONS STATUS			
CLIENT SPAXE PROPERTIES LTD (IN RECEIVERSHIP)			
ARCHITECT THE FITZROY ROBINSON PARTNERSHIP			
PROJECT EXCHEQUER COURT ST. MARY AXE LONDON EC4			
TITLE NORTH ROOF PLANT AREA PLAN ELECTRICAL SERVICES			
SCALE	1:50	JRP PROJECT NO.	5847
DRAWN BY	KAB	DATE	MAR.94
CHECKED BY		DATE	22.3.94
DISCIPLINE ELECTRICAL			
J Roger Preston & Partners CONSULTING MECHANICAL & ELECTRICAL ENGINEERS 29 BROADWAY MAIDENHEAD BERKSHIRE SL6 1LY TELEPHONE 06281 23423			
ELEMENT			
DRAWING NO.	5847/E/2702	REV	REC
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NOTE: The following table lists the number of hours required to complete each task.

AS-INSTALLED DETAILS REFER TO
MECHANICAL AS-INSTALLED RECORDS



TRENCH FLOOR HEATER, BY KAMPMAN WITH A
THERMOSTATIC VALVE AND LOCKSHIELD VALVE.
FRAME WIDTH 272mm. FLOOR DUCT LENGTH 690mm
FLOOR DUCT WIDTH 249mm. ELEMENT LENGTH 4' 7"
FLOOR DUCT HEIGHT 90mm WP 460
Screw to be supplied - see v20.

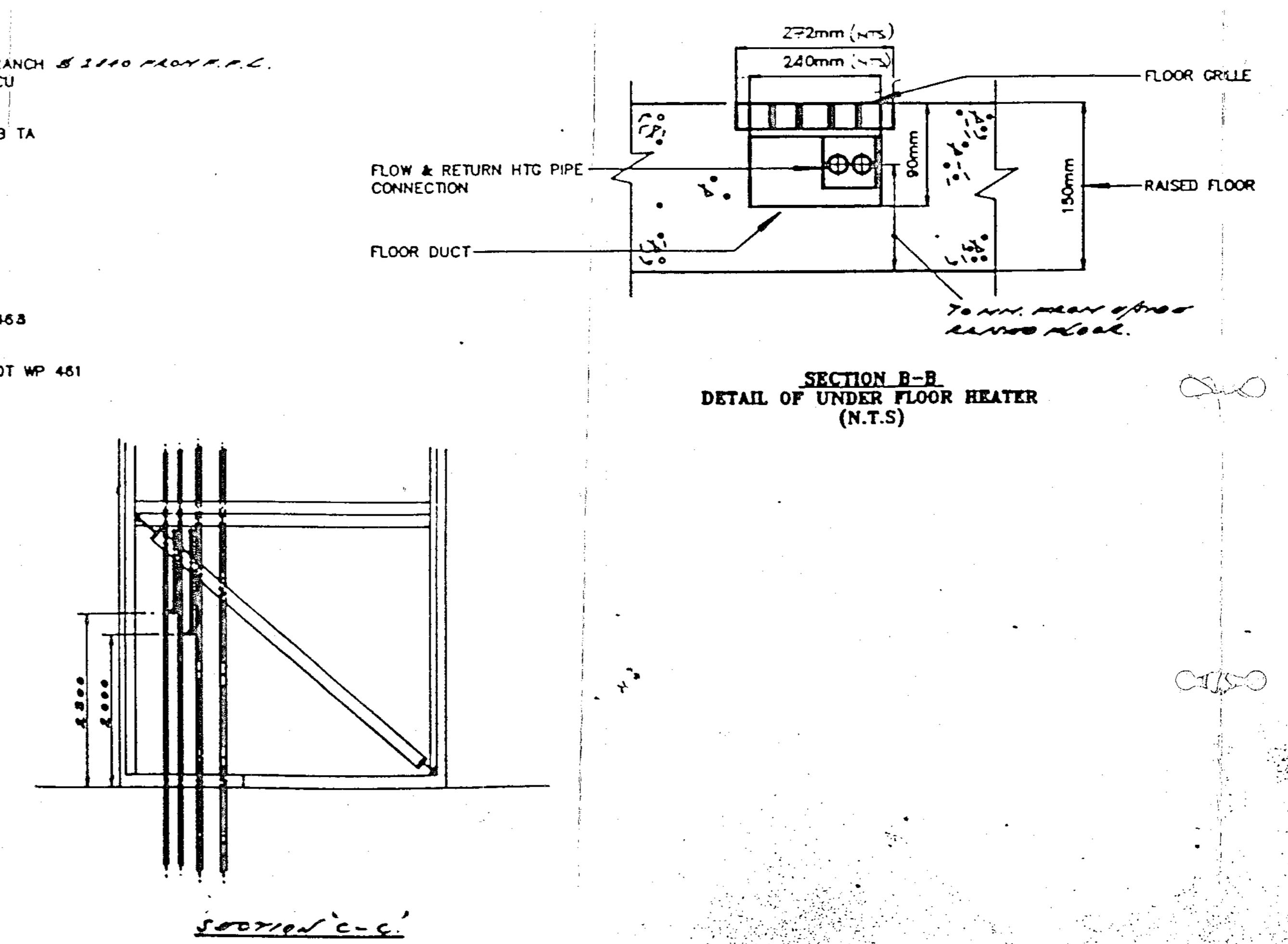
SECTION A-A

CORE 1, RISER DUCTS SIZE SCHEDULE

LEVEL	RISER SUPPLY DUCT	RISER EXTRACT DUCT
-2 LEVEL	850 x 300	1300 x 800 deg
-1 LEVEL	850 - 300	1300 x 800
GROUND LEVEL	850 x 300	1300 x 1200 500 \
FIRST LEVEL	950 x 300	1300 x 1200
SECOND LEVEL	1000 x 500	1300 x 1200
THIRD LEVEL	1000 x 800	1300 x 1200
FOURTH LEVEL	1250 x 800	1300 x 1200
FIFTH LEVEL	1400 x 800	1300 x 1200
SIXTH LEVEL	1650 x 800	1300 x 1200

CORE 1, RISER DUCTS SIZE SCHEDULE

PETER P-RENT
S-4-070



SECTION B-B
DETAIL OF UNDER FLOOR HEATER
(N.T.C.)

CLIENT	SPAXE PROPERTIES (IN RECEIVERSHIP)		
ARCHITECT	FITZROY ROBINSON PARTNERSHIP		
PROJECT	EXCHEQUER COURT ST MARY AXE LONDON EC4		
TITLE	CORE 1 LEVEL 1 TO 6. MECHANICAL & PLUMBING SERVICES		
SCALE	1:20		JRP PROJECT NO.
DRAWN BY	D.H	DATE	5847
CHECKED BY	Tee	DATE	DISCIPLINE
		30/3/94	MECHANICAL
J Roger Preston & Partners CONSULTING MECHANICAL & ELECTRICAL ENGINEERS 29 BROADWAY MAIDENHEAD BERKSHIRE SL6 1LY TELEPHONE (0628) 23423			
ELEMENT	:	1	1
DRAWING NO.	5847/M/1502		REV
COPYRIGHT © 1994 J ROGER PRESTON & PARTNERS			
REVISIONS/STATUS			
REV	REF	DATE	DESCRIPTION
			CHEC