This drawing shall not be scaled. Work from the dimensions shown in the drawing or given in relevant specifications

CABLE SCHEDULE

CABLE REF NO	CABLE TYPE	NO. OF CORES IN CABLE	NO. OF CABLES IN PARALLEL	L+N CONDUCTOR mm^2	CPC mm^2	CABLE LENGTH
1	PROVIDED BY OTHERS (DNO)					
2	Cu/XLPE/SWA/LSOH	4C	2	95	2 x 95 + ARMOUR	45
3	Cu/XLPE/SWA/LSOH (FR)	4C	2	95	95 + ARMOUR	45
4	SPARE	-	-	-	-	-
5	Cu/XLPE/SWA/LSOH	4C	1	50	50 + ARMOUR	30
6	Cu/XLPE/SWA/LSOH	4C	1	50	50 + ARMOUR	50
7	Cu/XLPE/SWA/LSOH	4C	1	50	50 + ARMOUR	15
8	Cu/XLPE/SWA/LSOH	4C	1	50	50 + ARMOUR	25
9	Cu/XLPE/SWA/LSOH	2C	1	10	10 + ARMOUR	20
10	SPARE	-	-	-	-	-
11	SPARE	-	-	-	-	-
12	Cu/XLPE/SWA/LSOH	4C	1	50	50 + ARMOUR	40
13	Cu/XLPE/SWA/LSOH	4C	1	35	35 + ARMOUR	10

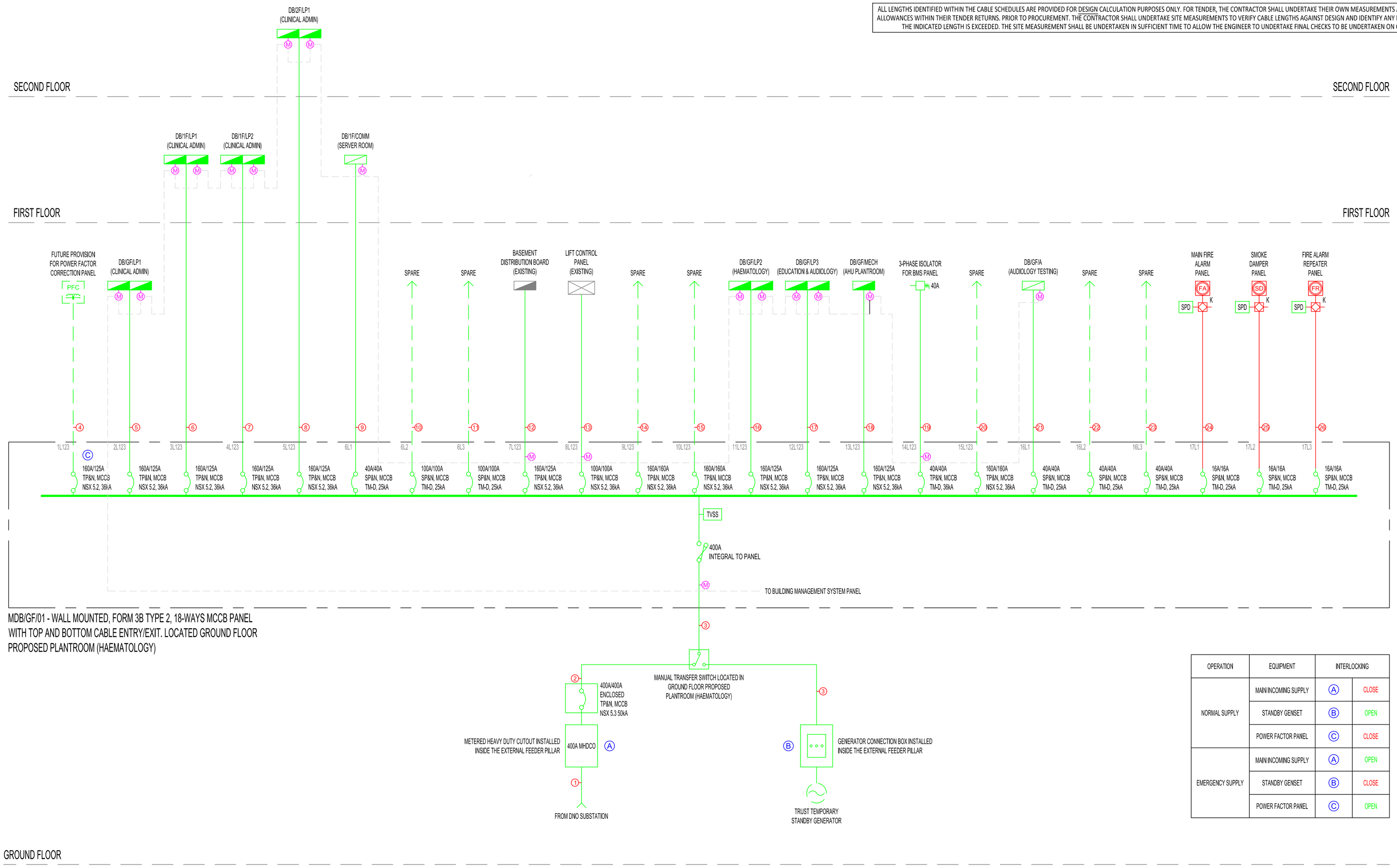
CABLE SCHEDULE

CABLE REF NO	CABLE TYPE	NO. OF CORES IN CABLE	NO. OF CABLES IN PARALLEL	L+N CONDUCTOR mm^2	CPC mm^2	CABLE LENGTH
14	SPARE	-	-	-	-	-
15	SPARE	-	-	-	-	-
16	Cu/XLPE/SWA/LSOH (FR)	4C	1	50	50 + ARMOUR	5
17	Cu/XLPE/SWA/LSOH (FR)	4C	1	50	50 + ARMOUR	40
18	Cu/XLPE/SWA/LSOH (FR)	4C	1	50	50 + ARMOUR	20
19	Cu/XLPE/SWA/LSOH (FR)	4C	1	10	10 + ARMOUR	20
20	SPARE	-	-	-	-	-
21	Cu/XLPE/SWA/LSOH (FR)	2C	1	10	10 + ARMOUR	20
22	SPARE	-	-	-	-	-
23	SPARE	-	-	-	-	-
24	FP200 (FR)	2C+E	1	2.5	2.5	10
25	FP200 (FR)	2C+E	1	2.5	2.5	10
26	FP200 (FR)	2C+E	1	2.5	2.5	10

ALL LENGTHS IDENTIFIED WITHIN THE CABLE SCHEDULES ARE PROVIDED FOR DESIGN CALCULATION PURPOSES ONLY. FOR TENDER, THE CONTRACTOR SHALL UNDERTAKE THEIR OWN MEASUREMENTS AND MAKE SUFFICIENT ALLOWANCES WITHIN THEIR TENDER RETURNS. PRIOR TO PROCUREMENT, THE CONTRACTOR SHALL UNDERTAKE SITE MEASUREMENTS TO VERIFY CABLE LENGTHS AGAINST DESIGN AND IDENTIFY ANY DISCREPANCIES WHERE THE INDICATED LENGTH IS EXCEEDED. THE SITE MEASUREMENT SHALL BE UNDERTAKEN IN SUFFICIENT TIME TO ALLOW THE ENGINEER TO UNDERTAKE FINAL CHECKS TO BE UNDERTAKEN ON CABLE SIZING.

GENERAL NOTES:

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE SPECIFICATION AND ALL OTHER RELEVANT ARCHITECTURAL AND ENGINEERING DRAWING AND DOCUMENTS.
2. ALL WORKS SHALL COMPLY WITH THE CURRENT 18TH EDITION WIRING REGULATIONS INCLUDING ANY AMENDMENTS AND ALL OTHER RELEVANT BRITISH STANDARDS, HEALTH TECHNICAL MEMORANDUM (HTM), AND THE HILLINGDON NHS FOUNDATION TRUST MECHANCAL & ELECTRICAL ENGINEERING REQUIREMENTS.
3. SURGE PROTECTION DEVICES SHALL BE PROVIDED THROUGHOUT THE ELECTRICAL INSTALLATION
4. THIS DRAWING IS AN INDICATIVE LAYOUT ONLY, DEMONSTRATING THE CONCEPTUAL REQUIREMENTS CORRELATING WITH THE AGREED SCHEMATIC SOLUTIONS. THE PURPOSE OF THIS DRAWING IS TO DEMONSTRATE DESIGN INTENT, FOR FURTHER DEVELOPMENT BY THE RELEVANT SERVICES DESIGNER ONLY.



OPERATION	EQUIPMENT	INTERLOCKING	
NORMAL SUPPLY	MAIN INCOMING SUPPLY	A	CLOSE
	STANDBY GENSET	B	OPEN
	POWER FACTOR PANEL	C	CLOSE
EMERGENCY SUPPLY	MAIN INCOMING SUPPLY	A	OPEN
	STANDBY GENSET	B	CLOSE
	POWER FACTOR PANEL	C	OPEN

LEGEND & SYMBOLS

	TP+N MCB DISTRIBUTION BOARD
	SP+N MCB DISTRIBUTION BOARD
	TP+N SPLIT LIGHTING AND POWER MCB DISTRIBUTION BOARD. EACH SIDE TO BE SEPARATELY METERED
	CONTROL PANEL
	MOULDED CASE CIRCUIT BREAKER, FRAME RATING AS SHOWN
	FUSE SWITCH FRAME RATING AS SHOWN
	SP+N ISOLATOR (REFER TO PLAN FOR RATING)
	TP+N ISOLATOR (REFER TO PLAN FOR RATING)
K	DOUBLE POLE KEY ISOLATOR (ALL ISOLATORS ASSOCIATED TO THE FIRE ALARM SERVICES TO BE 'RED' IN FINISH)
M	ELECTRONIC MULTIFUNCTION METER
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION DEVICE
F FR	FIRE ALARM PANEL / FIRE REPEATER PANEL
ASD	ASPIRATING SMOKE DETECTOR PANEL
G99	MAINS PROTECTION RELAY
PFC	POWER FACTOR CORRECTION PANEL
	MANUAL TRANSFER SWITCH

REV	DETAILS	DATE
C01	CONSTRUCTION ISSUE	21/01/25
P01	PRELIMINARY ISSUE	05/12/24

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PRELIMINARY ISSUE

Scale 1:75@A1	Drawn by R. MURPHY
Date DECEMBER 2024	Checked by J. HANCOCK

Project
HILLINGDON HOSPITAL - THE FURZE
NHS - FOUNDATION TRUST

Title
ELECTRICAL SERVICES
LV DISTRIBUTION SCHEMATIC

Drawing No. THHFP1-REL-ZZ-ZZ-DR-E-01001 | Revision C01

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