

DISTRIBUTION BOARD SCHEDULE

Project :	Elmestead Community Centre	Purpose of Issue:	Tender	Date: Oct-25	Issue: 1
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Split Load 16 x 4Way Three Phase & Neutral Distribution Board Details					
DB Ref :	LP1	DB Location:	Plant room	Supplied From:	LV MCCB Panelboard
DB Type:	B	No. Of Phases:	3	Number of Ways:	24
				Rated Current:	125A
				Rated Voltage:	400 / 230V

Incomer - Overcurrent Protective Device					
Type of Device:	Switch Disconnector	Rating (A):	125A	RCD N° of Poles:	N/A
				IΔn	N/A mA

Circuit Configuration															
Circuit Designation			Installation Details					Circuit Details							
CCT No.	Circuit Description		Wiring Type	Method	No. of Points	Cable Size (mm²)		Max Disc. Time	Overcurrent Protective Device				R C D	Max Zs	
						PH	CPC		Secs	BS (EN)	Type	A	kA	mA	Ω
1L1	Ring Circuit -	Sockets Garage/Scout Store	D	D/5	5	2.5	1.5	0.4	61009	B	32	10	30	1.37	
1L2	Radial Circuit -	Chnaging Rm Entrance Sockets	D	D/5	3	2.5	1.5	0.4	61009	B	20	10	30	2.19	
1L3	Radial Circuit -	DIS WC HD/ Shwr Rm	D	D/5	1	2.5	1.5	0.4	61009	C	20	10	30	1.09	
2L1	Radial Circuit -	Dis Wc/Shwr Room Alarm	D	D/5	1	2.5	1.5	0.4	61009	C	20	10	30	1.09	
2L2	Radial Circuit -	Changing Rm A HD	D	D/5	1	2.5	1.5	0.4	61009	C	20	10	30	1.09	
2L3	Radial Circuit -	Store Sockets	D	D/5	2	2.5	1.5	0.4	61009	B	20	10	30	2.19	
3L1	Ring Circuit -	Main Hall Ring	D	D/5	3	2.5	1.5	0.4	61009	B	32	10	30	1.37	
3L2	Ring Circuit -	Main Hall Ring	D	D/5	3	2.5	1.5	0.4	61009	B	32	10	30	1.37	
3L3	Lighting Circuit -	Main Hall Ring	D	D/5	3	2.5	1.5	0.4	61009	B	32	10	30	1.37	
4L1	Ring Circuit -	Mixed Group Sockets	D	D/5	6	2.5	1.5	0.4	61009	B	32	10	30	1.37	
4L2	Radial Circuit -	De-fibrelator	H	D/5	1	2.5	1.5	0.4	61009	B	20	10	30	2.19	
4L3	Ring Circuit -	Seating/Entrance Sockets	D	D/5	6	2.5	1.5	0.4	61009	B	32	10	30	1.37	
5L1	Ring Circuit -	Kitchen Ring	D	D/5	4	2.5	1.5	0.4	61009	C	32	10	30	0.68	
5L2	Radial Circuit -	Cooker Kitchen	D	D/3	1	10	4	0.4	61009	C	40	10	30	0.55	
5L3	Ring Circuit -	Office	D	D/5	7	2.5	1.5	0.4	61009	B	32	10	30	1.37	
6L1	Radial Circuit -	Comms Cabinet	D	D/5	1	4	2.5	0.4	61009	C	20	10	30	1.09	
6L2	Radial Circuit -	Motorised / Access Control Door	D	D/5	2	4	1.5	0.4	61009	B	20	10	30	2.19	
6L3	Radial Circuit -	HD Female	D	D/5	1	2.5	1.5	0.4	61009	C	20	10	30	1.09	
7L1	Radial Circuit -	Dis WC Alarm/HD	D	D/5	2	2.5	1.5	0.4	61009	C	20	10	30	1.09	
7L2	Radial Circuit -	Male WC HD / WSV	D	D/5	2	2.5	1.5	0.4	61009	C	20	10	30	1.09	
7L3	Ring Circuit -	Small Hall Power	D	D/5	6	2.5	1.5	0.4	61009	B	32	10	30	1.37	
8L1	Radial Circuit -	Store Power / MI Loop	D	D/5	2	2.5	1.5	0.4	61009	B	20	10	30	2.19	
8L2	Radial Circuit -	MI Loop Main Hall	D	D/5	2	2.5	1.5	0.4	61009	B	20	10	30	2.19	
8L3	Radial Circuit -	Intruder Alarm Panel	D	D/5	1	2.5	1.5	0.4	61009	C	20	10	30	1.09	

Circuit Configuration															
Circuit Designation			Installation Details					Circuit Details							
CCT No.	Circuit Description		Wiring Type	Method	No.of Points	Cable Size (mm²)		Max Disc. Time	Overcurrent Protective Device					R C D	Max Zs
						PH	CPC		Secs	BS (EN)	Type	A	kA	mA	Ω
9L1	Radial Circuit -	Small Hall Screen	D	D/5	1	2.5	1.5	0.4	61009	C	20	10	30	1.09	
9L2	Radial Circuit -	External Socket	D	D/3	2	4	1.5	0.4	61009	C	20	10	30	1.09	
9L3	Radial Circuit -	External Socket	D	D/3	1	4	1.5	0.4	61009	C	20	10	30	1.09	
10L1															
10L2															
10L3															
11L1															
11L2															
11L3															
12L1															
12L2															
12L3															
13L1															
13L2															
13L3															
14L1															
14L2															
14L3															
15L1															
15L2															
15L3															
16L1	Splitway Distribution Board Bottom Half Lighting														
16L2															
16L3															
17L1	Lighting Circuit -	Changing Rooms	D	D/5	24	1.5	1.5	0.4	61009	C	10	10	30	2.19	
17L2	Lighting Circuit -	Mixed Group Store	D	D/5	4	1.5	1.5	0.4	61009	C	10	10	30	2.19	
17L3	Lighting Circuit -	Garage / Plant Rm /Scout / Kitchen	D	D/5	15	1.5	1.5	0.4	61009	C	10	10	30	2.19	
18L1	Lighting Circuit -	Small Hall	D	D/5	7	1.5	1.5	0.4	61009	C	10	10	30	2.19	
18L2	Lighting Circuit -	Main Hall Ltg	D	D/5	9	1.5	1.5	0.4	61009	C	10	10	30	2.19	
18L3	Lighting Circuit -	Entrance/Corridor	D	D/5	12	1.5	1.5	0.4	61009	C	10	10	30	2.19	
19L1	Lighting Circuit -	Seating / Office / Kitchen	D	D/5	11	1.5	1.5	0.4	61009	C	10	10	30	2.19	
19L2	Lighting Circuit -	Main Hall Ltg	D	D/5	9	1.5	1.5	0.4	61009	C	10	10	30	2.19	
19L3	Lighting Circuit -	Male/Female WC's	D	D/5	13	1.5	1.5	0.4	61009	C	10	10	30	2.19	
20L1	Lighting Circuit -	External Lighting	D	D/5	9	1.5	1.5	0.4	61009	C	10	10	30	2.19	
20L2	Lighting Circuit -	External Lighting	D	D/5	6	1.5	1.5	0.4	61009	C	10	10	30	2.19	
20L3															

Circuit Configuration															
Circuit Designation				Installation Details				Circuit Details							
CCT No.	Circuit Description			Wiring Type	Method	No. of Points	Cable Size (mm²)		Max Dislc. Time	Overcurrent Protective Device				R C D	Max Zs
							PH	CPC		Secs	BS (EN)	Type	A		

Table A - Cable Wiring Types

A	B	C	D	E	F	G	H	I	J	K
PVC (Singles)	LSF (Singles)	PVC (Multi)	LSF (Multi)	XPLE/SWA/LSF	XPLE/SWA/PVC	PVC/SWA/PVC	Fire Resistant	MICC		
ALL CABLE WIRING TYPES TO BE IN ACCORDANCE WITH BS 7671 - IET WIRING REGULATIONS 18th EDITION										

Table B - Method of Installation Types

1	2	3	4	5	6	7	8	9	10	11
Clipped Direct	PVC High Impact Conduit / Capping	Metallic Conduit	Non Metallic Trunking	Metallic Trunking	Cable Tray (Touching or Spaced)	Cable Basket (Touching or Spaced)	Cable Ladder(Touching or Spaced)	Buried	Cable Ties / Clipped Direct	
ALL INSTALLATION METHODS TO BE AS BS 7671 - IET WIRING REGULATIONS 18th EDITION										

Comments
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