OUR TOWN HALL PROJECT

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Revision History:

REV.	DATE	DESCRIPTION OF CHANGE
P01	28/08/2019	Issue for Comment
P02	30/08/2019	Issue for Tender
P03	29/10/2020	Issued for Stage 5
P04	20/04/2021	Issued for Stage 5
P05	04/06/2024	DB Schedule Update

DB-01-06 DISTRIBUTION BOARD SCHEDULE

NG Bailey

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CONTRACT NAME	Our Town Hall				**DB REF**	DB-01-06	
DB LOCATION	01-039				**SUPPLY FROM**	PB-01-01	
No. OF PHASES	3 (Split Metered)	**No. OF WAYS**	12/12	**CURRENT RATING**	125 **A**	**NOMINAL VOLTAGE**	400 **V**

OVERCURRENT PROTECTIVE DEVICE

TYPE BS(EN)	MCCB - 60947-2	**RATING (A)**	125	**RCD Nº OF POLES**	N/A	**IΔn**	N/A	**mA**

CIRCUIT DETAILS

CIRCUIT REF	**CIRCUIT DESIGNATION**	**INSTALLATION DETAILS**					**MAX DISC TIME**	**OVERCURRENT PROTECTIVE DEVICE** Max Zs Figures as Per Manufacturer's Values (Schneider Electric)				**RCD**	**Max Zs**
Equipment vulnerable to test *	△ Caution	**WIRING TYPE ##**	**REF METHOD #**	**NUMBER OF POINTS SERVED**	**CABLE SIZE (mm2)**								
High Protective Conductor Current **	Appropriate measures, detailed in BS 7671, must be taken when modifying circuits having a high Protective Conductor Current. Indicate Circuits with Arc Fault Detection Device (AFDD)				**PH**	**CPC**	**SEC**	**BS (EN)**	**TYPE**	**A**	**kA**	**mA**	**Ω**
1/L1	Lighting - LHS	O	E	6	1.5	Sheath	0.4	60898	B	10	10	N/A	4.55
1/L2	Lighting - RHS	O	E	7	1.5	Sheath	0.4	60898	B	10	10	N/A	4.55
1/L3	Lighting - South	O	E	5	1.5	Sheath	0.4	60898	B	10	10	N/A	4.55
2/L1	Lighting - Walk in Fridge	O	E	4	1.5	Sheath	0.4	60898	B	10	10	N/A	4.55
2/L2	Scan Boxes	O	E	2	2.5	Sheath	0.4	61009	B	32	10	30	1.42
2/L3	General Sockets	O	E	6	2.5	Sheath	0.4	61009	B	32	10	30	1.42
3/L1													
3/L2													
3/L3													
4/L1	Refrigerated Prep Counters	O	E	3	2.5	SWA	0.4	61009	B	20	10	30	2.28
4/L2	Salamander Grill	O	E	1	4	Sheath	0.4	60898	B	20	10	N/A	2.28
4/L3													
5/L1	Hot Water Boiler	G	E	1	6	SWA	0.4	61009	B	32	10	30	1.42
5/L2	Food Mixer	O	E	1	2.5	Sheath	0.4	60898	B	20	10	N/A	2.28
5/L3	Hand Dryer	O	E	2	2.5	Sheath	0.4	61009	B	16	10	30	2.85
6/L1	Hot Cupboards	O	E	2	2.5	Sheath	0.4	61009	B	32	10	30	1.42
6/L2	KEF Control Panel	O	E	1	2.5	Sheath	0.4	60898	B	16	10	N/A	2.85
6/L3	KSF Control Panel	O	E	1	2.5	Sheath	0.4	60898	B	16	10	N/A	2.85
7/L1	UVF Canopy	O	E	1	2.5	Sheath	0.4	60898	B	16	10	N/A	2.85
7/L2	UVF Canopy Lighting	O	E	1	2.5	Sheath	0.4	60898	B	16	10	N/A	2.85
7/L3	KVI Canopy	O	E	1	2.5	Sheath	0.4	60898	B	16	10	N/A	2.85
8/L1	Condenstate Pump	O	E	2	2.5	Sheath	0.4	60898	B	16	10	N/A	2.85
8/L2	Condenstate Pump	O	E	2	2.5	Sheath	0.4	60898	B	16	10	N/A	2.85
8/L3	Gas Proofing Unit	O	E	1	2.5	Sheath	0.4	60898	B	16	10	N/A	2.85

FOR WIRING TYPE SEE BELOW. # FOR INSTALLATION REFERENCE METHODS SEE TABLE 4A2 of BS 7671

A	B	C	D	E	F	G	H	I	OTHER
PVC/PVC CABLES	LSF CABLES IN METAL CONDUIT	LSF CABLES IN NON METALLIC CONDUIT	LSF CABLES IN METAL TRUNKING	LSF CABLES IN NON METALLIC TRUNKING	PVC/SWA CABLES	XLPE/SWA CABLES	MICC / FIRE RESISTANT CABLES	ALUMINIUM TUBED LSF SHEATHED CABLE	PRYSMIAN LSX INSTALLED IN CABLE BASKET, METAL TRUNKING, OR LOOSE LAID IN VOIDS

NG Bailey

DB-01-06 DISTRIBUTION BOARD SCHEDULE

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CONTRACT NAME	Our Town Hall	DB REF	DB-01-06

CIRCUIT DETAILS

CIRCUIT REF	CIRCUIT DESIGNATION	INSTALLATION DETAILS					MAX DISC TIME	OVERCURRENT PROTECTIVE DEVICE				RCD	Max Zs
Equipment vulnerable to test *	⚠ Caution Appropriate measures, detailed in BS 7671, must be taken when modifying circuits having a high Protective Conductor Current.	WIRING TYPE ##	REF METHOD #	NUMBER OF POINTS SERVED	CABLE SIZE (mm2)								
High Protective Conductor Current **	Indicate Circuits with Arc Fault Detection Device (AFDD)				PH	CPC	SEC	BS (EN)	TYPE	A	kA	mA	Ω
9/L1	General Sockets	O	E	2	2.5	Sheath	0.4	61009	B	32	10	30	1.42
9/L2	General Sockets	O	E	5	2.5	Sheath	0.4	61009	B	32	10	30	1.42
9/L3	Gas Solenoid	O	E	1	2.5	Sheath	0.4	60898	B	16	10	N/A	2.85
10/L1	Cleaners Sockets	O	E	1	2.5	Sheath	0.4	61009	B	20	10	30	2.28
10/L2	Drainage Pump	O	E	1	2.5	Sheath	0.4	60898	B	16	10	N/A	2.85
10/L3	Fridge Control Panel	O	E	1	4	Sheath	0.4	60898	B	20	10	N/A	2.28
11/L1	Freezer Control Panel	O	E	1	4	Sheath	0.4	60898	B	25	10	N/A	1.82
11/L2	Fridge Control Panel	O	E	1	4	Sheath	0.4	60898	B	25	10	N/A	1.82
11/L3	Blast Chiller Control Panel	O	E	1	2.5	Sheath	0.4	60898	B	16	10	N/A	2.85
12/L1													
12/L2													
12/L3													

FOR WIRING TYPE SEE BELOW. # FOR INSTALLATION REFERENCE METHODS SEE TABLE 4A2 of BS 7671

A	B	C	D	E	F	G	H	I	OTHER
PVC/PVC CABLES	LSF CABLES IN METAL CONDUIT	LSF CABLES IN NON METALLIC CONDUIT	LSF CABLES IN METAL TRUNKING	LSF CABLES IN NON METALLIC TRUNKING	PVC/SWA CABLES	XLPE/SWA CABLES	MICC / FIRE RESISTANT CABLES	ALUMINIUM TUBED LSF SHEATHED CABLE	