OUR TOWN HALL PROJECT

**Document Name**: DB-GF-06 Distribution Board Schedule

**Document Ref:** OTH-HAK-TH-GF-SCH-V-0004

**Status:** S4 – Suitable for Construction

**Document Type:** Schedules

**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 | 02/08/2021 | Circuit Name Updated – 3L123 |
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Not Confidential - Internal

# DB-GF-06 DISTRIBUTION BOARD SCHEDULE

NG Bailey

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|---|---|---|---|---|---|---|---|
| **CONTRACT NAME** | Our Town Hall | | | **DB REF** | DB-GF-06 | | |
| **DB LOCATION** | GF-003 | | | **SUPPLY FROM** | BB-ZZ-03 | | |
| **No. OF PHASES** | 3 (Split Metered) | **No. OF WAYS** | 12/12 | **CURRENT RATING** | 160 **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 * / High Protective Conductor Current ** | △ Caution. 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) | **WIRING TYPE ##** | **REF METHOD #** | **NUMBER OF POINTS SERVED** | **CABLE SIZE (mm2)** PH | **CPC** | **SEC** | **BS (EN)** | **TYPE** | **A** | **kA** | **mA** | **Ω** |
| 1/L1 | Lighting - GF-003 | O | E | 6 | 1.5 | Sheath | 0.4 | 60898 | B | 10 | 10 | N/A | 4.55 |
| 1/L2 | Hand Dryer | O | E | 1 | 2.5 | Sheath | 0.4 | 60898 | B | 16 | 10 | N/A | 2.85 |
| 1/L3 | Fridge | O | E | 1 | 2.5 | Sheath | 0.4 | 61009 | B | 16 | 10 | 30 | 2.85 |
| 2/L1 | | | | | | | | | | | | | |
| 2/L2 | Glass Washer | G | E | 1 | 4 | SWA | 0.4 | 60898 | B | 16 | 10 | N/A | 2.85 |
| 2/L3 | | | | | | | | | | | | | |
| 3/L1 | | | | | | | | | | | | | |
| 3/L2 | Panini Roller Grill | G | E | 1 | 6 | SWA | 0.4 | 60898 | B | 32 | 10 | N/A | 1.42 |
| 3/L3 | | | | | | | | | | | | | |
| 4/L1 | Fridge | O | E | 1 | 2.5 | Sheath | 0.4 | 61009 | B | 16 | 10 | 30 | 2.85 |
| 4/L2 | Hot Water Dispenser | G | E | 1 | 6 | SWA | 5 | 60898 | B | 40 | 10 | N/A | 1.14 |
| 4/L3 | General Sockets | O | E | 7 | 2.5 | Sheath | 0.4 | 61009 | B | 32 | 10 | 30 | 1.42 |
| 5/L1 | | | | | | | | | | | | | |
| 5/L2 | Coffee Machine | G | E | 1 | 4 | SWA | 0.4 | 60898 | B | 20 | 10 | N/A | 2.28 |
| 5/L3 | | | | | | | | | | | | | |
| 6/L1 | Cleaners Sockets | O | E | 2 | 2.5 | Sheath | 0.4 | 61009 | B | 20 | 10 | 30 | 2.28 |
| 6/L2 | Microwave | O | E | 1 | 2.5 | Sheath | 0.4 | 60898 | B | 20 | 10 | N/A | 2.28 |
| 6/L3 | Microwave | O | E | 1 | 2.5 | Sheath | 0.4 | 60898 | B | 20 | 10 | N/A | 2.28 |
| 7/L1 | Ice Machine | O | E | 1 | 2.5 | Sheath | 0.4 | 61009 | B | 20 | 10 | 30 | 2.28 |
| 7/L2 | Refrigerated Prep Counter & Hot Cupboard | O | E | 1 | 2.5 | Sheath | 0.4 | 61009 | B | 32 | 10 | 30 | 1.42 |
| 7/L3 | Refrigerated Prep Counter | O | E | 1 | 2.5 | Sheath | 0.4 | 61009 | B | 32 | 10 | 30 | 1.42 |
| 8/L1 | | | | | | | | | | | | | |
| 8/L2 | MVHR 18 | O | E | 1 | 2.5 | Sheath | 0.4 | 60898 | C | 20 | 10 | N/A | 1.14 |
| 8/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 | PRYSMIAN LSX INSTALLED IN CABLE BASKET, METAL TRUNKING, OR LOOSE LAID IN VOIDS |

NG Bailey

# DB-GF-06 DISTRIBUTION BOARD SCHEDULE

NICEIC Cert. No. REV Sheet 2 of 2

| CONTRACT NAME | Our Town Hall | DB REF | DB-GF-06 |
|---|---|---|---|

## CIRCUIT DETAILS

| CIRCUIT REF | CIRCUIT DESIGNATION | INSTALLATION DETAILS | | | | | MAX DISC TIME | OVERCURRENT PROTECTIVE DEVICE | | | | 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 |
| 9/L1 | MVHR 18 Fan Motor | O | E | 1 | 2.5 | Sheath | 0.4 | 60898 | C | 16 | 10 | N/A | 1.42 |
| 9/L2 | | | | | | | | | | | | | |
| 9/L3 | | | | | | | | | | | | | |
| 10/L1 | | | | | | | | | | | | | |
| 10/L2 | | | | | | | | | | | | | |
| 10/L3 | | | | | | | | | | | | | |
| 11/L1 | | | | | | | | | | | | | |
| 11/L2 | | | | | | | | | | | | | |
| 11/L3 | | | | | | | | | | | | | |
| 12/L1 | | | | | | | | | | | | | |
| 12/L2 | | | | | | | | | | | | | |
| 12/L3 | Panini Roller Grill | | | | | | | | | | | | |
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