

## Schedule.

### Distribution boards

| PROJECT NAME                                            |
|---------------------------------------------------------|
| Kilburn IT Project - Eddie Newcombe Building (Proposed) |
| HL PROJECT NUMBER                                       |
| 04/06325                                                |
| DOCUMENT IDENTIFICATION                                 |
|                                                         |
| SYSTEM                                                  |
| LV distribution                                         |
| CLASSIFICATION                                          |
| N/A                                                     |

| REVISION HISTORY |        |            |             |             |               |                |
|------------------|--------|------------|-------------|-------------|---------------|----------------|
| Revision         | Status | Date       | Prepared by | Reviewed by | Authorised by | Comments       |
| P01              | S4     | 25/07/2025 | NH          | CW          | EJG           | Stage 4a Issue |
| T01              | S4     | 22/08/2025 | NH          | CW          | EJG           | Tender Issue   |
|                  |        |            |             |             |               |                |
|                  |        |            |             |             |               |                |
|                  |        |            |             |             |               |                |
|                  |        |            |             |             |               |                |
|                  |        |            |             |             |               |                |

#### INFORMATION REQUIRED

For every equipment entry in the schedule, confirm that each of the design parameters has been met by the final selection.

#### NOTES

- Refer to specifications V20 and Y71 for further requirements of the distribution boards.
- Ensure that any cable specified to have "LSZH" or "LSF" sheath and or insulation, meets the Euroclass minimum performance sub-classes of s1b and a2 for smoke density and corrosive gas emission respectively.
- Provide Surge Suppresion devices to all circuits feeding external equipment.
- Circuit protective device time-current characteristic (T-C Char.) legend:  
**B** - B curve (MCB) domestic      **TMD** - Thermal magnetic  
**C** - C curve (MCB) commercial      **ELC** - Electronic adjustable  
**D** - D curve (MCB) motor/industrial      **OC** - Overcurrent protection only  
**gG fuse** - General purpose fuse      **gM fuse** - Motor rated fuse  
**EF** - Earth fault protection only
- Earth conductor (CPC) types:  
**A** - Cable armour      **A+C** - Armour plus core of cable  
**C** - Core of cable      **A+S** - Armour plus separate conductor  
**S** - Separate conductor      **A+C+S** - Armour plus core of cable plus separate conductor
- Cable installation method:  
**F** - Flat      **T** - Trefoil
- All cables are to be low smoke zero halogen (LSZH) and rated for operation up to 70°C
- 'Spare' refers to spare devices, and 'Empty' refers to space allocated for future devices.
- All wiring shall be low smoke zero halogen (LSZH) unless otherwise stated.

|                                                         |                 |                 |                 |           |         |
|---------------------------------------------------------|-----------------|-----------------|-----------------|-----------|---------|
| PROJECT NAME                                            | SYSTEM          | Board reference | 01/0040         |           |         |
| Kilburn IT Project - Eddie Newcombe Building (Proposed) | LV distribution | Connected from  | 01/0063 (B.011) |           |         |
| PROJECT NUMBER                                          | CLASSIFICATION  | No. of boards   | 1               | Mounting  | Surface |
| 04/06325                                                | N/A             |                 |                 | IP rating |         |

|  |                   |                |
|--|-------------------|----------------|
|  | Location          |                |
|  | Distribution area | As per layouts |

| COMPONENTS           |       |      |       |                             |        |        |                         |          | DUTY                                                 |        |     | CABLES         |     |     |                                                 |              |                           |                                         |                   |         |                     |
|----------------------|-------|------|-------|-----------------------------|--------|--------|-------------------------|----------|------------------------------------------------------|--------|-----|----------------|-----|-----|-------------------------------------------------|--------------|---------------------------|-----------------------------------------|-------------------|---------|---------------------|
| Circuit protective \ |       |      |       |                             |        |        |                         |          | Load description                                     |        |     | Radial / Ring? |     |     | Phase conductors                                |              |                           |                                         | CPC               |         |                     |
| Way                  | Phase | Type | AFDD? | T-C characteristic (Note 4) | In (A) | Ir (A) | Earth fault device (mA) | Ics (kA) |                                                      |        |     |                |     |     | CSA (mm <sup>2</sup> )                          | No. of cores | No. of cables in parallel | Installation method (BS 7671 reference) | Cable description | Armour? | Cable type (Note 5) |
| 1                    | L1    | MCB  | No    | B                           | 10     | N/A    | N/A                     | 10       | Light(s) B.002                                       | Radial | 2.5 | 1              |     | N/A | Single-core 90°C XLPE non-armoured LSZH - 6491B | No           | S                         | 1                                       | 2.5               |         |                     |
|                      | L2    | MCB  | No    | B                           | 10     | N/A    | N/A                     | 10       | Light(s) B.003A, B.003B                              | Radial | 2.5 | 1              |     | N/A | Single-core 90°C XLPE non-armoured LSZH - 6491B | No           | S                         | 1                                       | 2.5               |         |                     |
|                      | L3    | MCB  | No    | B                           | 10     | N/A    | N/A                     | 10       | Light(s) B.011                                       | Radial | 2.5 | 1              |     | N/A | Single-core 90°C XLPE non-armoured LSZH - 6491B | No           | S                         | 1                                       | 2.5               |         |                     |
| 2                    | L1    | MCB  | No    | B                           | 10     | N/A    | N/A                     | 10       | Light(s) Corridor (B.002 - B.011)                    | Radial | 2.5 | 1              |     | N/A | Single-core 90°C XLPE non-armoured LSZH - 6491B | No           | S                         | 1                                       | 2.5               |         |                     |
|                      | L2    | MCB  | No    | B                           | 10     | N/A    | N/A                     | 10       | Light(s) B.003                                       | Radial | 2.5 | 1              |     | N/A | Single-core 90°C XLPE non-armoured LSZH - 6491B | No           | S                         | 1                                       | 2.5               |         |                     |
|                      | L3    | MCB  | No    | B                           | 10     | N/A    | N/A                     | 10       | Light(s) B.005, B006A                                | Radial | 2.5 | 1              |     | N/A | Single-core 90°C XLPE non-armoured LSZH - 6491B | No           | S                         | 1                                       | 2.5               |         |                     |
| 3                    | L1    | RCBO | N/A   | C                           | 32     | N/A    | N/A                     | 10       | Socket(s) G.002                                      | N/A    | 4.0 | N/A            | N/A | N/A | PVC Cables in Metallic Trunking                 |              |                           |                                         | 4.5               |         |                     |
|                      | L2    | MCB  | No    | B                           | 10     | N/A    | N/A                     | 10       | Light(s) B.001, B.001A                               | Radial | 2.5 | 1              |     | N/A | Single-core 90°C XLPE non-armoured LSZH - 6491B | No           | S                         | 1                                       | 2.5               |         |                     |
|                      | L3    | MCB  | No    | B                           | 10     | N/A    | N/A                     | 10       | Light(s) Corridor 08, Corridor 08A                   | Radial | 2.5 | 1              |     | N/A | Single-core 90°C XLPE non-armoured LSZH - 6491B | No           | S                         | 1                                       | 2.5               |         |                     |
| 4                    | L1    | RCBO | N/A   | C                           | 32     | N/A    | N/A                     | 10       | Socket(s) G.002                                      | N/A    | 4.0 | N/A            | N/A | N/A | PVC Cables in Metallic Trunking                 |              |                           |                                         | 4.0               |         |                     |
|                      | L2    | MCB  | No    | B                           | 10     | N/A    | N/A                     | 10       | Light(s) B.009, B.010                                | Radial | 2.5 | 1              |     | N/A | Single-core 90°C XLPE non-armoured LSZH - 6491B | No           | S                         | 1                                       | 2.5               |         |                     |
|                      | L3    | MCB  | No    | B                           | 10     | N/A    | N/A                     | 10       | Light(s) Kitchen B.006                               | Radial | 2.5 | 1              |     | N/A | Single-core 90°C XLPE non-armoured LSZH - 6491B | No           | S                         | 1                                       | 2.5               |         |                     |
| 5                    | L1    | MCB  | No    | B                           | 10     | N/A    | N/A                     | 10       | Light(s) C.7                                         | Radial | 2.5 | 1              |     | N/A | Single-core 90°C XLPE non-armoured LSZH - 6491B | No           | S                         | 1                                       | 2.5               |         |                     |
|                      | L2    | MCB  | No    | B                           | 10     | N/A    | N/A                     | 10       | Light(s) B.003                                       | Radial | 2.5 | 1              |     | N/A | Single-core 90°C XLPE non-armoured LSZH - 6491B | No           | S                         | 1                                       | 2.5               |         |                     |
|                      | L3    | MCB  | No    | B                           | 10     | N/A    | N/A                     | 10       | Light(s) B.006A                                      | Radial | 2.5 | 1              |     | N/A | Single-core 90°C XLPE non-armoured LSZH - 6491B | No           | S                         | 1                                       | 2.5               |         |                     |
| 6                    | L1    | MCB  | No    | B                           | 10     | N/A    | N/A                     | 10       | Light(s) B.007, B.008                                | Radial | 2.5 | 1              |     | N/A | Single-core 90°C XLPE non-armoured LSZH - 6491B | No           | S                         | 1                                       | 2.5               |         |                     |
|                      | L2    | MCB  | No    | B                           | 10     | N/A    | N/A                     | 10       | Light(s) B.003A, B.005B                              | Radial | 2.5 | 1              |     | N/A | Single-core 90°C XLPE non-armoured LSZH - 6491B | No           | S                         | 1                                       | 2.5               |         |                     |
|                      | L3    | MCB  | No    | B                           | 10     | N/A    | N/A                     | 10       | Light(s) B006A                                       | Radial | 2.5 | 1              |     | N/A | Single-core 90°C XLPE non-armoured LSZH - 6491B | No           | S                         | 1                                       | 2.5               |         |                     |
| 7                    | L1    | RCBO | Yes   | C                           | 32     | N/A    | N/A                     | 10       | Socket(s) G.002                                      | Radial | 4.0 | 1              |     | N/A | Single-core 90°C XLPE non-armoured LSZH - 6491B | No           | S                         | 1                                       | 4.0               |         |                     |
|                      | L2    | MCB  | N/A   | B                           | 25     | N/A    | N/A                     | 10       | Intruder Alarm / CCTV / Access Control (B.004)       | N/A    | 4.0 | N/A            | N/A | N/A | PVC Cables in Metallic Trunking                 |              |                           |                                         | 4.0               |         |                     |
|                      | L3    | MCB  | N/A   | B                           | 25     | N/A    | N/A                     | 10       | Socket, Redundant Patch Panel (B.011)                | N/A    | 4.0 | N/A            | N/A | N/A | PVC Cables in Metallic Trunking                 |              |                           |                                         | 4.0               |         |                     |
| 8                    | L1    | RCBO | Yes   | C                           | 20     | N/A    | N/A                     | 10       | Socket(s) G.002                                      | Radial | 4.0 | 1              |     | N/A | Single-core 90°C XLPE non-armoured LSZH - 6491B | No           | S                         | 1                                       | 4.0               |         |                     |
|                      | L2    | MCB  | N/A   | B                           | 16     | N/A    | N/A                     | 10       | Door Zip Tap B.006                                   | Radial | 4.0 | 1              |     |     | Single-core 90°C XLPE non-armoured LSZH - 6491B | No           | S                         | 1                                       | 4.0               |         |                     |
|                      | L3    | MCB  | N/A   | B                           | 25     | N/A    | N/A                     | 10       | Redundant FCU (Satchwell Panel) B.011                | N/A    | 4.0 | N/A            | N/A | N/A | PVC Cables in Metallic Trunking                 |              |                           |                                         | 4.0               |         |                     |
| 9                    | L1    | RCBO | N/A   | C                           | 32     | N/A    | N/A                     | 10       | Socket(s) Floor Boxes G.002                          | N/A    | 4.0 | N/A            | N/A | N/A | PVC Cables in Metallic Trunking                 |              |                           |                                         | 4.0               |         |                     |
|                      | L2    | RCBO | Yes   | C                           | 20     | N/A    | N/A                     | 10       | Socket(s) B.010                                      | Radial | 4.0 | 1              |     | N/A | Single-core 90°C XLPE non-armoured LSZH - 6491B | No           | S                         | 1                                       | 4.0               |         |                     |
|                      | L3    | RCBO | Yes   | C                           | 20     | N/A    | N/A                     | 10       | Socket(s) Cleaners B.003                             | Radial | 4.0 | 1              |     | N/A | Single-core 90°C XLPE non-armoured LSZH - 6491B | No           | S                         | 1                                       | 4.0               |         |                     |
| 10                   | L1    | RCBO | N/A   | C                           | 32     | N/A    | N/A                     | 10       | Socket(s) Floor Boxes G.002                          | N/A    | 4.0 | 4.0            | N/A | N/A | PVC Cables in Metallic Trunking                 |              |                           |                                         | 4.0               |         |                     |
|                      | L2    | RCBO | Yes   | C                           | 20     | N/A    | N/A                     | 10       | Socket(s) B.009                                      | Radial | 4.0 | 1              |     | N/A | Single-core 90°C XLPE non-armoured LSZH - 6491B | No           | S                         | 1                                       | 4.0               |         |                     |
|                      | L3    | RCBO | N/A   | C                           | 20     | N/A    | N/A                     | 10       | Socket(s) Cleaners Kitchen (B.006)                   | Radial | 4.0 | 1              |     | N/A | Single-core 90°C XLPE non-armoured LSZH - 6491B | No           | S                         | 1                                       | 4.0               |         |                     |
| 11                   | L1    |      |       |                             |        |        |                         |          | Spare                                                |        |     |                |     |     |                                                 |              |                           |                                         |                   |         |                     |
|                      | L2    | RCBO | Yes   | C                           | 20     | N/A    | N/A                     | 10       | Socket(s) B.008                                      | Radial | 4.0 | 1              |     | N/A | Single-core 90°C XLPE non-armoured LSZH - 6491B | No           | S                         | 1                                       | 4.0               |         |                     |
|                      | L3    | RCBO | N/A   | C                           | 20     | N/A    | N/A                     | 10       | Socket(s) Kitchen (B.006)                            | Radial | 4.0 | 1              |     | N/A | Single-core 90°C XLPE non-armoured LSZH - 6491B | No           | S                         | 1                                       | 4.0               |         |                     |
| 12                   | L1    | RCBO | N/A   | C                           | 32     | N/A    | N/A                     | 10       | Socket(s) Cleaners B.002                             | N/A    | 4.0 | 4.0            | N/A | N/A | PVC Cables in Metallic Trunking                 |              |                           |                                         | 4.0               |         |                     |
|                      | L2    | RCBO | Yes   | C                           | 20     | N/A    | N/A                     | 10       | Socket(s) Cleaners Corridor                          | Radial | 4.0 | 1              |     | N/A | Single-core 90°C XLPE non-armoured LSZH - 6491B | No           | S                         | 1                                       | 4.0               |         |                     |
|                      | L3    |      |       |                             |        |        |                         |          | Spare                                                |        |     |                |     |     |                                                 |              |                           |                                         |                   |         |                     |
| 13                   | L1    | RCBO | Yes   | C                           | 20     | N/A    | N/A                     | 10       | Socket(s) Cleaners B.007, B.008, B.009, B.010        | Radial | 4.0 | 1              |     | N/A | Single-core 90°C XLPE non-armoured LSZH - 6491B | No           | S                         | 1                                       | 4.0               |         |                     |
|                      | L2    | RCBO | Yes   | C                           | 20     | N/A    | N/A                     | 10       | Socket(s) Meeting Rooms (B.003, B003A, B.003B)       | Radial | 4.0 | 1              |     | N/A | Single-core 90°C XLPE non-armoured LSZH - 6491B | No           | S                         | 1                                       | 4.0               |         |                     |
|                      | L3    | RCBO | N/A   | C                           | 20     | N/A    | N/A                     | 10       | Socket(s) B.002                                      | N/A    | 4.0 | N/A            | N/A | N/A | PVC Cables in Metallic Trunking                 |              |                           |                                         | 4.0               |         |                     |
| 14                   | L1    | RCBO | Yes   | C                           | 20     | N/A    | N/A                     | 10       | Scket(s) Breakout (B.003)                            | Radial | 4.0 | 1              |     | N/A | Single-core 90°C XLPE non-armoured LSZH - 6491B | No           | S                         | 1                                       | 4.0               |         |                     |
|                      | L2    | MCB  | N/A   | B                           | 20     | N/A    | N/A                     | 10       | Door WH, WD B.006                                    | Radial | 4.0 | 1              |     |     | Single-core 90°C XLPE non-armoured LSZH - 6491B | No           | S                         | 1                                       | 4.0               |         |                     |
|                      | L3    | RCBO | Yes   | C                           | 20     | N/A    | N/A                     | 10       | Socket(s) Cleaners (B.003)                           | Radial | 4.0 | 1              |     | N/A | Single-core 90°C XLPE non-armoured LSZH - 6491B | No           | S                         | 1                                       | 4.0               |         |                     |
| 15                   | L1    | RCBO | N/A   | C                           | 20     | N/A    | N/A                     | 10       | Socket(s) B.005 (Side Office in B.002)               | N/A    | 4.0 | N/A            | N/A | N/A | PVC Cables in Metallic Trunking                 |              |                           |                                         | 4.0               |         |                     |
|                      | L2    | RCBO | Yes   | C                           | 20     | N/A    | N/A                     | 10       | Socket(s) B.003                                      | Radial | 4.0 | 1              | N/A | N/A | Single-core 90°C XLPE non-armoured LSZH - 6491B | No           | S                         | 1                                       | 4.0               |         |                     |
|                      | L3    |      |       |                             |        |        |                         |          | Spare                                                |        |     |                |     |     |                                                 |              |                           |                                         |                   |         |                     |
| 16                   | L1    | MCB  | N/A   | B                           | 25     | N/A    | N/A                     | 10       | Comms Cabinet (B.004)                                | N/A    | 4.0 | N/A            | N/A | N/A | PVC Cables in Metallic Trunking                 |              |                           |                                         | 4.0               |         |                     |
|                      | L2    | RCBO | Yes   | C                           | 20     | N/A    | N/A                     | 10       | Socket(s) Meeting TV Outlets (B.003, B.003A, B.003B) | Radial | 4.0 | 1              | N/A | N/A | Single-core 90°C XLPE non-armoured LSZH - 6491B | No           | S                         | 1                                       | 4.0               |         |                     |
|                      | L3    |      |       |                             |        |        |                         |          | Spare                                                |        |     |                |     |     |                                                 |              |                           |                                         |                   |         |                     |
| 17                   | L1    |      |       |                             |        |        |                         |          | Heat Recovery Unit (B.011) - To be replaced          | N/A    | 10  | 1              | N/A | N/A | PVC Cables in Metallic Trunking                 |              |                           |                                         |                   | 10      |                     |
|                      | L2    | MCB  | No    | C                           | 32     | N/A    | N/A                     | 10       |                                                      |        |     |                |     |     |                                                 |              |                           |                                         |                   |         |                     |
|                      | L3    |      |       |                             |        |        |                         |          |                                                      |        |     |                |     |     |                                                 |              |                           |                                         |                   |         |                     |
| 18                   | L1    | MCB  | N/A   | C                           | 25     | N/A    | N/A                     | 10       | Condenser Pump (B.011)                               | N/A    | 6.0 | N/A            | N/A | N/A | PVC Cables in Metallic Trunking                 |              |                           |                                         | 6.0               |         |                     |
|                      | L2    | RCBO | Yes   | C                           | 20     | N/A    | N/A                     | 10       | Fridge Freezer (Kitchen)                             | Radial | 4.0 | 1              | N/A | N/A | Single-core 90°C XLPE non-armoured LSZH - 6491B | No           | S                         | 1                                       | 4.0               |         |                     |
|                      | L3    |      |       |                             |        |        |                         |          | Spare                                                |        |     |                |     |     |                                                 |              |                           |                                         |                   |         |                     |
| 19                   | L1    |      |       |                             |        |        |                         |          | Spare                                                |        |     |                |     |     |                                                 |              |                           |                                         |                   |         |                     |
|                      | L2    |      |       |                             |        |        |                         |          | Spare                                                |        |     |                |     |     |                                                 |              |                           |                                         |                   |         |                     |
|                      | L3    |      |       |                             |        |        |                         |          | Spare                                                |        |     |                |     |     |                                                 |              |                           |                                         |                   |         |                     |
| 20                   | L1    |      |       |                             |        |        |                         |          | Spare                                                |        |     |                |     |     |                                                 |              |                           |                                         |                   |         |                     |
|                      | L2    |      |       |                             |        |        |                         |          | Spare                                                |        |     |                |     |     |                                                 |              |                           |                                         |                   |         |                     |
|                      | L3    |      |       |                             |        |        |                         |          | Spare                                                |        |     |                |     |     |                                                 |              |                           |                                         |                   |         |                     |
| 21                   | L1    |      |       |                             |        |        |                         |          | Spare                                                |        |     |                |     |     |                                                 |              |                           |                                         |                   |         |                     |
|                      | L2    |      |       |                             |        |        |                         |          | Spare                                                |        |     |                |     |     |                                                 |              |                           |                                         |                   |         |                     |
|                      | L3    | MCB  | N/A   | C                           | 40     | N/A    | N/A                     | 10       | Temp. supply to coupland 3*                          | N/A    | 6.0 | N/A            | N/A | N/A | XLPE/SWA                                        |              |                           |                                         | 6.0               |         |                     |
| 22                   | L1    | MCB  | N/A   | C                           | 16     | N/A    | N/A                     | 10       | 16A Commando Socket HV Switchroom (B.012)            | N/A    | 4.0 | N/A            | N/A | N/A | XLPE/SWA                                        |              |                           |                                         | 4.0               |         |                     |
|                      | L2    | MCB  | N/A   | C                           | 16     | N/A    | N/A                     | 10       | 16A Commando Socket HV Switchroom (B.012)            | N/A    | 4.0 | N/A            | N/A | N/A | XLPE/SWA                                        |              |                           |                                         | 4.0               |         |                     |
|                      | L3    | MCB  | N/A   | C                           | 16     | N/A    | N/A                     | 10       | 16A Commando Socket HV Switchroom (B.012)            | N/A    | 4.0 | N/A            | N/A | N/A | XLPE/SWA                                        |              |                           |                                         | 4.0               |         |                     |
| 23                   | L1    |      |       |                             |        |        |                         |          | Spare                                                |        |     |                |     |     |                                                 |              |                           |                                         |                   |         |                     |
|                      | L2    | MCB  | N/A   | C                           | 10     | N/A    | N/A                     | 10       | Light(s) External                                    | N/A    | 2.5 | N/A            | N/A | N/A | XLPE/SWA                                        |              |                           |                                         | 2.5               |         |                     |
|                      | L3    |      |       |                             |        |        |                         |          | Spare                                                |        |     |                |     |     |                                                 |              |                           |                                         |                   |         |                     |
| 24                   | L1    |      |       |                             |        |        |                         |          | Spare                                                |        |     |                |     |     |                                                 |              |                           |                                         |                   |         |                     |
|                      | L2    | MCB  | N/A   | C                           | 10     | N/A    | N/A                     | 10       | VT Heating Pump                                      | N/A    | 1.5 | N/A            | N/A | N/A | XLPE/SWA                                        |              |                           |                                         | 1.5               |         |                     |
|                      | L3    | MCB  | N/A   | B                           | 20     | N/A    | N/A                     | 10       | Socket(s) Test Below                                 | N/A    | 4.0 | N/A            | N/A | N/A | PVC Cables in Metallic Trunking                 |              |                           |                                         | 4.0               |         |                     |

|                                                         |                 |                 |                 |           |         |
|---------------------------------------------------------|-----------------|-----------------|-----------------|-----------|---------|
| PROJECT NAME                                            | SYSTEM          | Board reference | 01/0041         |           |         |
| Kilburn IT Project - Eddie Newcombe Building (Proposed) | LV distribution | Connected from  | 01/0062 (B.011) |           |         |
| PROJECT NUMBER                                          | CLASSIFICATION  | No. of boards   | 1               | Mounting  | Surface |
| 04/06325                                                | N/A             |                 |                 | IP rating |         |

|                   |                    |  |
|-------------------|--------------------|--|
| Location          | Corridor O/S G.010 |  |
| Distribution area | As per layouts     |  |

| COMPONENTS          |       |      |       |                             |        |        |                         |          | DUTY                                           |                | CABLES                 |              |                           |                                         |                                            |         |                     |          |                        |  |
|---------------------|-------|------|-------|-----------------------------|--------|--------|-------------------------|----------|------------------------------------------------|----------------|------------------------|--------------|---------------------------|-----------------------------------------|--------------------------------------------|---------|---------------------|----------|------------------------|--|
| Circuit protectiv \ |       |      |       |                             |        |        |                         |          |                                                |                | Phase conductors       |              |                           |                                         |                                            |         |                     | CPC      |                        |  |
| Way                 | Phase | Type | AFDD? | T-C characteristic (Note 4) | In (A) | Ir (A) | Earth fault device (mA) | Ics (kA) | Load description                               | Radial / Ring? | CSA (mm <sup>2</sup> ) | No. of cores | No. of cables in parallel | Installation method (BS 7671 reference) | Cable description                          | Armour? | Cable type (Note 5) | Quantity | CSA (mm <sup>2</sup> ) |  |
| 1                   | L1    | MCB  | No    | B                           | 10     | N/A    | N/A                     | 10       | Light(s) G.007                                 | Radial         | 2.5                    | 1            |                           | N/A                                     | Single-core 90°C XLPE non-armoured-BS(4E1) | No      | S                   | 1        | 2.5                    |  |
|                     | L2    | MCB  | No    | B                           | 10     | N/A    | N/A                     | 10       | Light(s) G.005, G006                           | Radial         | 2.5                    | 1            |                           | N/A                                     | Single-core 90°C XLPE non-armoured-BS(4E1) | No      | S                   | 1        | 2.5                    |  |
|                     | L3    | MCB  | No    | B                           | 10     | N/A    | N/A                     | 10       | Light(s) G.003, G.004                          | Radial         | 2.5                    | 1            |                           | N/A                                     | Single-core 90°C XLPE non-armoured-BS(4E1) | No      | S                   | 1        | 2.5                    |  |
| 2                   | L1    | MCB  | N/A   | B                           | 10     | N/A    | N/A                     | 10       | Light(s) Ladies WC (G.010)                     | N/A            | 2.5                    | N/A          | N/A                       | N/A                                     | PVC Cables in Metallic Trunking            |         |                     |          | 2.5                    |  |
|                     | L2    | MCB  | N/A   | B                           | 10     | N/A    | N/A                     | 10       | Light(s) Male WC (G.009                        | N/A            | 1.5                    | N/A          | N/A                       | N/A                                     | PVC Cables in Metallic Trunking            |         |                     |          | 1.5                    |  |
|                     | L3    | MCB  | N/A   | B                           | 10     | N/A    | N/A                     | 10       | Light(s) Corridor                              | Radial         | 2.5                    | 1            |                           | N/A                                     | Single-core 90°C XLPE non-armoured-BS(4E1) | No      | S                   | 1        | 2.5                    |  |
| 3                   | L1    | MCB  | N/A   | B                           | 10     | N/A    | N/A                     | 10       | Light(s) Gourmd Floor Entrance                 | N/A            | 1.5                    | N/A          | N/A                       | N/A                                     | PVC Cables in Metallic Trunking            |         |                     |          | 1.5                    |  |
|                     | L2    | MCB  | N/A   | B                           | 10     | N/A    | N/A                     | 10       | Ligth(s) External                              | N/A            | 1.5                    | N/A          | N/A                       | N/A                                     | PVC Cables in Metallic Trunking            |         |                     |          | 1.5                    |  |
|                     | L3    | MCB  | No    | D                           | 16     | N/A    | N/A                     | 10       | Light(s) Track (G.002)                         | Radial         | 4.0                    | 1            |                           | N/A                                     | Single-core 90°C XLPE non-armoured-BS(4E1) | No      | S                   | 1        | 4.0                    |  |
| 4                   | L1    | MCB  | N/A   | B                           | 10     | N/A    | N/A                     | 10       | Light(s) Ground Floor Lobby                    | N/A            | 1.5                    | N/A          | N/A                       | N/A                                     | PVC Cables in Metallic Trunking            |         |                     |          | 1.5                    |  |
|                     | L2    | MCB  | No    | B                           | 10     | N/A    | N/A                     | 10       | Light(s) Corridor                              | Radial         | 2.5                    | 1            |                           | N/A                                     | Single-core 90°C XLPE non-armoured-BS(4E1) | No      | S                   | 1        | 2.5                    |  |
|                     | L3    | MCB  | N/A   | B                           | 6      | N/A    | N/A                     | 10       | Lighting Contactors                            | N/A            | 1.5                    | N/A          | N/A                       | N/A                                     | PVC Cables in Metallic Trunking            |         |                     |          | 1.5                    |  |
| 5                   | L1    | MCB  | N/A   | B                           | 10     | N/A    | N/A                     | 10       | Ligth(s) Stairwell                             | N/A            | 1.5                    | N/A          | N/A                       | N/A                                     | PVC Cables in Metallic Trunking            |         |                     |          | 1.5                    |  |
|                     | L2    | RCBO | N/A   | C                           | 20     | N/A    | N/A                     | 10       | Water Heater, Hand Dryer & Fan Disabled WC     | N/A            | 2.5                    | N/A          | N/A                       | N/A                                     | PVC Cables in Metallic Trunking            |         |                     |          | 2.5                    |  |
|                     | L3    | MCB  | N/A   | B                           | 10     | N/A    | N/A                     | 10       | FCU Disabled Alarm WC (Ceiling Void)           | N/A            | 2.5                    | N/A          | N/A                       | N/A                                     | PVC Cables in Metallic Trunking            |         |                     |          | 2.5                    |  |
| 6                   | L1    | RCBO | N/A   | C                           | 20     | N/A    | N/A                     | 10       | FCU Microwave (G.008)                          | N/A            | 2.5                    | N/A          | N/A                       | N/A                                     | PVC Cables in Metallic Trunking            |         |                     |          | 2.5                    |  |
|                     | L2    | MCB  | N/A   | B                           | 20     | N/A    | N/A                     | 10       | FCU Hot/Cold Tap (G.008)                       | N/A            | 4.0                    | N/A          | N/A                       | N/A                                     | PVC Cables in Metallic Trunking            |         |                     |          | 4.0                    |  |
|                     | L3    | MCB  | N/A   | B                           | 10     | N/A    | N/A                     | 10       | CCTV Supply (G.001A), Cash Office Waiting Room | N/A            | 4.0                    | N/A          | N/A                       | N/A                                     | XLPE/SWA                                   |         |                     |          | 4.0                    |  |
| 7                   | L1    | RCBO | Yes   | C                           | 32     | N/A    | N/A                     | 10       | Socket(s) CIO Office (G.007)                   | Radial         | 4.0                    | 1            |                           | N/A                                     | Single-core 90°C XLPE non-armoured-BS(4E1) | No      | S                   | 1        | 4.0                    |  |
|                     | L2    | RCBO | Yes   | C                           | 32     | N/A    | N/A                     | 10       | Socket(s) Meeting Room (G.006)                 | Radial         | 4.0                    | 1            |                           | N/A                                     | Single-core 90°C XLPE non-armoured-BS(4E1) | No      | S                   | 1        | 4.0                    |  |
|                     | L3    | RCBO | Yes   | C                           | 32     | N/A    | N/A                     | 10       | Socket(s) Meeting Room (G.004, G.005)          | Radial         | 4.0                    | 1            |                           | N/A                                     | Single-core 90°C XLPE non-armoured-BS(4E1) | No      | S                   | 1        | 4.0                    |  |
| 8                   | L1    | MCB  | N/A   | B                           | 10     | N/A    | N/A                     | 10       | Supply for External CCTV (G.008) (High-level)  | N/A            | 4.0                    | N/A          | N/A                       | N/A                                     | PVC Cables in Metallic Trunking            |         |                     |          | 4.0                    |  |
|                     | L2    | RCBO | N/A   | C                           | 32     | N/A    | N/A                     | 10       | Cleaners Sockets Corridor                      | N/A            | 4.0                    | N/A          | N/A                       | N/A                                     | PVC Cables in Metallic Trunking            |         |                     |          | 4.0                    |  |
|                     | L3    | MCB  | N/A   | B                           | 20     | N/A    | N/A                     | 10       | Lift Isolator (Dumb waiter) G.002              | N/A            | 4.0                    | N/A          | N/A                       | N/A                                     | PVC Cables in Metallic Trunking            |         |                     |          | 4.0                    |  |
| 9                   | L1    | RCBO | N/A   | C                           | 32     | N/A    | N/A                     | 10       | Socket(s) Ground Floor Entrance                | N/A            | 4.0                    | N/A          | N/A                       | N/A                                     | PVC Cables in Metallic Trunking            |         |                     |          | 4.0                    |  |
|                     | L2    | RCBO | N/A   | C                           | 20     | N/A    | N/A                     | 10       | Socket(s) G.008                                | N/A            | 4.0                    | N/A          | N/A                       | N/A                                     | PVC Cables in Metallic Trunking            |         |                     |          | 4.0                    |  |
|                     | L3    | MCB  | N/A   | B                           | 20     | N/A    | N/A                     | 10       | Socket Lift (Dumb Waiter) G.002                | N/A            | 2.5                    | N/A          | N/A                       | N/A                                     | XLPE/SWA                                   |         |                     |          | 2.5                    |  |
| 10                  | L1    | MCB  | N/A   | B                           | 10     | N/A    | N/A                     | 10       | FCU Auto Doors Ground Floor                    | N/A            | 4.0                    | N/A          | N/A                       | N/A                                     | PVC Cables in Metallic Trunking            |         |                     |          | 4.0                    |  |
|                     | L2    | RCBO | N/A   | C                           | 20     | N/A    | N/A                     | 10       | Socket(s) G.008                                | N/A            | 4.0                    | N/A          | N/A                       | N/A                                     | PVC Cables in Metallic Trunking            |         |                     |          | 4.0                    |  |
|                     | L3    | RCBO | Yes   | C                           | 20     | N/A    | N/A                     | 10       | Socket(s) Quiet Office (G.003)                 | Radial         | 4.0                    | 1            |                           | N/A                                     | Single-core 90°C XLPE non-armoured-BS(4E1) | No      | S                   | 1        | 4.0                    |  |
| 11                  | L1    | MCB  | N/A   | C                           | 20     | N/A    | N/A                     | 10       | FCU Water Heater Above Ceiling (G.010          | N/A            | 2.5                    | N/A          | N/A                       | N/A                                     | PVC Cables in Metallic Trunking            |         |                     |          | 2.5                    |  |
|                     | L2    | RCBO | N/A   | C                           | 20     | N/A    | N/A                     | 10       | FCU Fans G.010, G.009                          | N/A            | 2.5                    | N/A          | N/A                       | N/A                                     | PVC Cables in Metallic Trunking            |         |                     |          | 2.5                    |  |
|                     | L3    | MCB  | N/A   | B                           | 10     | N/A    | N/A                     | 10       | Light(s) Disabled WC                           | N/A            | 2.5                    | N/A          | N/A                       | N/A                                     | PVC Cables in Metallic Trunking            |         |                     |          | 2.5                    |  |
| 12                  | L1    | RCBO | N/A   | C                           | 20     | N/A    | N/A                     | 10       | Hand Dryer (G.009, G.010)                      | N/A            | 4.0                    | N/A          | N/A                       | N/A                                     | PVC Cables in Metallic Trunking            |         |                     |          | 4.0                    |  |
|                     | L2    | MCB  | N/A   | B                           | 20     | N/A    | N/A                     | 10       | Water Heater (G.008)                           | N/A            | 4.0                    | N/A          | N/A                       | N/A                                     | PVC Cables in Metallic Trunking            |         |                     |          | 4.0                    |  |
|                     | L3    | MCB  | N/A   | B                           | 20     | N/A    | N/A                     | 10       | Disabled Auto Door Access                      | N/A            | 4.0                    | N/A          | N/A                       | N/A                                     | PVC Cables in Metallic Trunking            |         |                     |          | 4.0                    |  |

|                       |
|-----------------------|
| New/Modified Circuits |
| Existing Circuits     |

|                                                         |                 |                 |                      |           |         |
|---------------------------------------------------------|-----------------|-----------------|----------------------|-----------|---------|
| PROJECT NAME                                            | SYSTEM          | Board reference | 01/0042              |           |         |
| Kilburn IT Project - Eddie Newcombe Building (Proposed) | LV distribution | Connected from  | 01/0031 (B.05 Riser) |           |         |
| PROJECT NUMBER                                          | CLASSIFICATION  | No. of boards   | 1                    | Mounting  | Surface |
| 04/06325                                                | N/A             |                 |                      | IP rating |         |

|                   |                |  |
|-------------------|----------------|--|
| Location          | B.005 Riser    |  |
| Distribution area | As per layouts |  |

| COMPONENTS          |       |      |       |                             |        |        |                         |          | DUTY                                     |                | CABLES                 |              |                           |                                         |                                            |         |                     |          |                        |
|---------------------|-------|------|-------|-----------------------------|--------|--------|-------------------------|----------|------------------------------------------|----------------|------------------------|--------------|---------------------------|-----------------------------------------|--------------------------------------------|---------|---------------------|----------|------------------------|
| Circuit protectiv \ |       |      |       |                             |        |        |                         |          |                                          |                | Phase conductors       |              |                           |                                         |                                            |         |                     | CPC      |                        |
| Way                 | Phase | Type | AFDD? | T-C characteristic (Note 4) | In (A) | Ir (A) | Earth fault device (mA) | Ics (kA) | Load description                         | Radial / Ring? | CSA (mm <sup>2</sup> ) | No. of cores | No. of cables in parallel | Installation method (BS 7671 reference) | Cable description                          | Armour? | Cable type (Note 5) | Quantity | CSA (mm <sup>2</sup> ) |
| 1                   | L1    | MCB  | No    | D                           | 16     | N/A    | N/A                     | 10       | Light(s) Track (G.001)                   | Radial         | 4.0                    | 1            |                           | N/A                                     | Single-core 90°C XLPE non-armoured-BS(4E1) | No      | S                   | 1        | 4.0                    |
|                     | L2    | MCB  | No    | B                           | 16     | N/A    | N/A                     | 10       | Light(s) Track B.002                     | Radial         | 4                      | 1            |                           | N/A                                     | Single-core 90°C XLPE non-armoured-BS(4E1) | No      | S                   | 1        | 4.0                    |
|                     | L3    | MCB  | N/A   | B                           | 6      | N/A    | N/A                     | 10       | Light(s) Control Circuit                 | N/A            | 1.5                    | N/A          | N/A                       | N/A                                     | PVC Cables in Metallic Trunking            |         |                     |          | 1.5                    |
| 2                   | L1    | MCB  | No    | D                           | 16     | N/A    | N/A                     | 10       | Light(s) Track (G.001)                   | Radial         | 4.0                    | 1            |                           | N/A                                     | Single-core 90°C XLPE non-armoured-BS(4E1) | No      | S                   | 1        | 4.0                    |
|                     | L2    | MCB  | N/A   | B                           | 10     | N/A    | N/A                     | 10       | Light(s) B.001A, Corridor                | N/A            | 1.5                    | N/A          | N/A                       | N/A                                     | PVC Cables in Metallic Trunking            |         |                     |          | 1.5                    |
|                     | L3    | MCB  | N/A   | B                           | 10     | N/A    | N/A                     | 10       | Light(s) Control Circuit                 | N/A            | 1.5                    | N/A          | N/A                       | N/A                                     | PVC Cables in Metallic Trunking            |         |                     |          | 1.5                    |
| 3                   | L1    |      |       |                             |        |        |                         |          | Spare                                    |                |                        |              |                           |                                         |                                            |         |                     |          |                        |
|                     | L2    | MCB  | No    | B                           | 10     | N/A    | N/A                     | 10       | Light(s) Lift Lobby G.001                | Radial         | 2.5                    | 1            |                           | N/A                                     | Single-core 90°C XLPE non-armoured-BS(4E1) |         |                     |          | 2.5                    |
|                     | L3    | MCB  | N/A   | C                           | 16     | N/A    | N/A                     | 10       | Light(s) External                        | N/A            | 1.5                    | N/A          | N/A                       | N/A                                     | XLPE/SWA Cables                            |         |                     |          | 1.5                    |
| 4                   | L1    | RCBO | Yes   | C                           | 20     | N/A    | N/A                     | 10       | Socket(s) G.002                          | Radial         | 4.0                    | 1            |                           | N/A                                     | Single-core 90°C XLPE non-armoured-BS(4E1) | No      | S                   | 1        | 4.0                    |
|                     | L2    | MCB  | No    | B                           | 16     | N/A    | N/A                     | 10       | Light(s) Track B.002                     | Radial         | 4.0                    | 1            |                           | N/A                                     | Single-core 90°C XLPE non-armoured-BS(4E1) | No      | S                   | 1        | 4.0                    |
|                     | L3    | MCB  | No    | D                           | 16     | N/A    | N/A                     | 10       | Light(s) Track (G.002)                   | Radial         | 4.0                    | 1            |                           | N/A                                     | Single-core 90°C XLPE non-armoured-BS(4E1) | No      | S                   | 1        | 4.0                    |
| 5                   | L1    | RCBO | Yes   | C                           | 20     | N/A    | N/A                     | 10       | Socket(s) G.002                          | Radial         | 4.0                    | 1            |                           | N/A                                     | Single-core 90°C XLPE non-armoured-BS(4E1) | No      | S                   | 1        | 4.0                    |
|                     | L2    | MCB  | No    | C                           | 20     | N/A    | N/A                     | 10       | Refuge Panel (G.001A)                    | Radial         | 4.0                    | 1            |                           | N/A                                     | Single-core 90°C XLPE non-armoured-BS(4E1) | No      | S                   | 1        | 4.0                    |
|                     | L3    | RCBO | Yes   | C                           | 20     | N/A    | N/A                     | 10       | Socket(s) G.003                          | Radial         | 4.0                    | 1            |                           | N/A                                     | Single-core 90°C XLPE non-armoured-BS(4E1) | No      | S                   | 1        | 4.0                    |
| 6                   | L1    | RCBO | Yes   | C                           | 20     | N/A    | N/A                     | 10       | Socket(s) Cleaners (G.002 & G.001)       | Radial         | 4.0                    | 1            |                           | N/A                                     | Single-core 90°C XLPE non-armoured-BS(4E1) | No      | S                   | 1        | 4.0                    |
|                     | L2    | RCBO | Yes   | C                           | 20     | N/A    | N/A                     | 10       | Socket(s) Lobby (B.001)                  | Radial         | 4.0                    | 1            |                           | N/A                                     | Single-core 90°C XLPE non-armoured-BS(4E1) | No      | S                   | 1        | 4.0                    |
|                     | L3    | RCBO | Yes   | C                           | 20     | N/A    | N/A                     | 10       | Socket(s) Cleaners Office (B.002)        | Radial         | 4.0                    | 1            |                           | N/A                                     | Single-core 90°C XLPE non-armoured-BS(4E1) | No      | S                   | 1        | 4.0                    |
| 7                   | L1    | RCBO | Yes   | C                           | 20     | N/A    | N/A                     | 10       | Socket(s) Cleaners (B.001 & Corridor)    | Radial         | 4.0                    | 1            |                           | N/A                                     | Single-core 90°C XLPE non-armoured-BS(4E1) | No      | S                   | 1        | 4.0                    |
|                     | L2    | RCBO | No    | C                           | 20     | N/A    | N/A                     | 10       | Access Control (G.001 & G.002)           | Radial         | 4.0                    | 1            |                           | N/A                                     | Single-core 90°C XLPE non-armoured-BS(4E1) | No      | S                   | 1        | 4.0                    |
|                     | L3    | RCBO | Yes   | C                           | 20     | N/A    | N/A                     | 10       | Socket(s) Desks (G.001)                  | Radial         | 4.0                    | 1            |                           | N/A                                     | Single-core 90°C XLPE non-armoured-BS(4E1) | No      | S                   | 1        | 4.0                    |
| 8                   | L1    | RCBO | Yes   | C                           | 32     | N/A    | N/A                     | 10       | Socket(d) B.002                          | Radial         | 4.0                    | 1            |                           | N/A                                     | Single-core 90°C XLPE non-armoured-BS(4E1) | No      | S                   | 1        | 4.0                    |
|                     | L2    | RCBO | N/A   | C                           | 32     | N/A    | N/A                     | 10       | Socket(s) Help Desk G.001 (PC Terminals) | N/A            | 4.0<br>4.0             | N/A          | N/A                       | N/A                                     | PVC Cables in Metallic Trunking            |         |                     |          | 4.0                    |
|                     | L3    | RCBO | Yes   | C                           | 32     | N/A    | N/A                     | 10       | Socket(s) G.001                          | Radial         | 4.0                    | 1            |                           | N/A                                     | Single-core 90°C XLPE non-armoured-BS(4E1) | No      | S                   | 1        | 4.0                    |
| 9                   | L1    | RCBO | Yes   | C                           | 32     | N/A    | N/A                     | 10       | Socket(s) B.002                          | Radial         | 4.0                    | 1            |                           | N/A                                     | Single-core 90°C XLPE non-armoured-BS(4E1) | No      | S                   | 1        | 4.0                    |
|                     | L2    | MCB  | No    | C                           | 32     | N/A    | N/A                     | 10       | Study Booth (G.001)                      | Radial         | 4.0                    | 1            |                           | N/A                                     | Single-core 90°C XLPE non-armoured-BS(4E1) | No      | S                   | 1        | 4.0                    |
|                     | L3    | RCBO | Yes   | C                           | 32     | N/A    | N/A                     | 10       | Socket(s) G.001                          | Radial         | 4.0                    | 1            |                           | N/A                                     | Single-core 90°C XLPE non-armoured-BS(4E1) | No      | S                   | 1        | 4.0                    |
| 10                  | L1    | RCBO | Yes   | C                           | 32     | N/A    | N/A                     | 10       | Socket(s) B.002                          | Radial         | 4.0                    | 1            |                           | N/A                                     | Single-core 90°C XLPE non-armoured-BS(4E1) | No      | S                   | 1        | 4.0                    |
|                     | L2    | RCBO | Yes   | C                           | 20     | N/A    | N/A                     | 10       | Socket(s) Cleaners (G.001A, Lift Area)   | Radial         | 4.0                    | 1            |                           | N/A                                     | Single-core 90°C XLPE non-armoured-BS(4E1) | No      | S                   | 1        | 4.0                    |
|                     | L3    | RCBO | Yes   | C                           | 32     | N/A    | N/A                     | 10       | Socket(s) G.001                          | Radial         | 4.0                    | 1            |                           | N/A                                     | Single-core 90°C XLPE non-armoured-BS(4E1) | No      | S                   | 1        | 4.0                    |
| 11                  | L1    | RCBO | Yes   | C                           | 32     | N/A    | N/A                     | 10       | Socket(s) B.002                          | Radial         | 4.0                    | 1            |                           | N/A                                     | Single-core 90°C XLPE non-armoured-BS(4E1) | No      | S                   | 1        | 4.0                    |
|                     | L2    | RCBO | N/A   | C                           | 20     | N/A    | N/A                     | 10       | Socket(s) Cleaners , Help Desk G.001     | N/A            | 4.0                    | N/A          | N/A                       | N/A                                     | PVC Cables in Metallic Trunking            |         |                     |          | 4.0                    |
|                     | L3    | RCBO | N/A   | C                           | 20     | N/A    | N/A                     | 10       | Socket(s) B.001A, Corridor               | N/A            | 4.0                    | N/A          | N/A                       | N/A                                     | PVC Cables in Metallic Trunking            |         |                     |          | 4.0                    |
| 12                  | L1    | RCBO | Yes   | C                           | 20     | N/A    | N/A                     | 10       | Socket(s) Cleaners B.002                 | Radial         | 4.0                    | 1            |                           | N/A                                     | Single-core 90°C XLPE non-armoured-BS(4E1) | No      | S                   | 1        | 4.0                    |
|                     | L2    | RCBO | N/A   | C                           | 20     | N/A    | N/A                     | 10       | FCU Fan Help Desk G.001                  | N/A            | 4.0                    | N/A          | N/A                       | N/A                                     | PVC Cables in Metallic Trunking            |         |                     |          | 4.0                    |
|                     | L3    | MCB  | N/A   | B                           | 20     | N/A    | N/A                     | 10       | Socket(s) Help Desk G.001                | N/A            | 4.0                    | N/A          | N/A                       | N/A                                     | PVC Cables in Metallic Trunking            |         |                     |          | 4.0                    |

|                       |
|-----------------------|
| New/Modified Circuits |
| Existing Circuits     |

|                                                      |                 |                 |                     |          |           |
|------------------------------------------------------|-----------------|-----------------|---------------------|----------|-----------|
| PROJECT NAME                                         | SYSTEM          | Board reference | 01/0075             |          |           |
| UoM - Kilburn IT Project - Eddie Newcombe (Proposed) | LV distribution | Connected from  | 01/0034.B.005 Riser |          |           |
| PROJECT NUMBER                                       | CLASSIFICATION  | No. of boards   | 1                   | Mounting | Surface   |
| 04/06325                                             | N/A             |                 |                     |          | IP rating |

|                   |                |
|-------------------|----------------|
| Location          | B.005 Riser    |
| Distribution area | As per layouts |

| COMPONENTS                |       |      |       |                             |        |        |                         |          | DUTY                             |                |           | CABLES           |                           |                                         |                                            |         |                     |          |           |  |  |
|---------------------------|-------|------|-------|-----------------------------|--------|--------|-------------------------|----------|----------------------------------|----------------|-----------|------------------|---------------------------|-----------------------------------------|--------------------------------------------|---------|---------------------|----------|-----------|--|--|
| Circuit protective device |       |      |       |                             |        |        |                         |          |                                  |                |           | Phase conductors |                           |                                         |                                            |         |                     | CPC      |           |  |  |
| Way                       | Phase | Type | AFDD? | T-C characteristic (Note 4) | In (A) | Ir (A) | Earth fault device (mA) | Ics (kA) | Load description                 | Radial / Ring? | CSA (mm²) | No. of cores     | No. of cables in parallel | Installation method (BS 7671 reference) | Cable description                          | Armour? | Cable type (Note 5) | Quantity | CSA (mm²) |  |  |
| 1                         | L1    | RCBO | N/A   | C                           | 20     | N/A    | N/A                     | 10       | Socket (s) B.005                 | N/A            | 4.0       | N/A              | N/A                       | N/A                                     | Single-core 90°C XLPE non-armoured-BS(4E1) |         |                     |          | 4.0       |  |  |
|                           | L2    | RCBO | N/A   | C                           | 20     | N/A    | N/A                     | 10       | Socket (s) B.005                 | N/A            | 4.0       | N/A              | N/A                       | N/A                                     | Single-core 90°C XLPE non-armoured-BS(4E1) |         |                     |          | 4.0       |  |  |
|                           | L3    |      |       |                             |        |        |                         |          | Spare                            |                |           |                  |                           |                                         |                                            |         |                     |          |           |  |  |
| 2                         | L1    | RCBO | N/A   | C                           | 20     | N/A    | N/A                     | 10       | Socket (s) B.005                 | N/A            | 4.0       | N/A              | N/A                       | N/A                                     | PVC Cables in Metallic Trunking            |         |                     |          | 4.0       |  |  |
|                           | L2    | RCBO | N/A   | C                           | 20     | N/A    | N/A                     | 10       | Socket (s) B.005                 | N/A            | 4.0       | N/A              | N/A                       | N/A                                     | PVC Cables in Metallic Trunking            |         |                     |          | 4.0       |  |  |
|                           | L3    |      |       |                             |        |        |                         |          | Spare                            |                |           |                  |                           |                                         |                                            |         |                     |          |           |  |  |
| 3                         | L1    | RCBO | N/A   | C                           | 20     | N/A    | N/A                     | 10       | Socket (s) B.005                 | N/A            | 4.0       | N/A              | N/A                       | N/A                                     | PVC Cables in Metallic Trunking            |         |                     |          | 4.0       |  |  |
|                           | L2    | RCBO | N/A   | C                           | 20     | N/A    | N/A                     | 10       | Socket (s) Forensic Lab (B.006A) | Radial         | 4.0       | 1                |                           |                                         | Single-core 90°C XLPE non-armoured-BS(4E1) | No      | S                   | 1        | 4.0       |  |  |
|                           | L3    |      |       |                             |        |        |                         |          | Spare                            |                |           |                  |                           |                                         |                                            |         |                     |          |           |  |  |
| 4                         | L1    | RCBO | N/A   | C                           | 20     | N/A    | N/A                     | 10       | Socket(s) Cleaners B.005A        | Radial         | 4.0       | 1                |                           |                                         | Single-core 90°C XLPE non-armoured-BS(4E1) | No      | S                   | 1        | 4.0       |  |  |
|                           | L2    | RCBO | Yes   | C                           | 20     | N/A    | N/A                     | 10       | Socket (s) B.005                 | Radial         | 4.0       | 1                |                           |                                         | Single-core 90°C XLPE non-armoured-BS(4E1) | No      | S                   | 1        | 4.0       |  |  |
|                           | L3    |      |       |                             |        |        |                         |          | Spare                            |                |           |                  |                           |                                         |                                            |         |                     |          |           |  |  |
| 5                         | L1    | MCB  | N/A   | B                           | 16     | N/A    | N/A                     | 10       | Door Entry Spur B.005            | Radial         | 4.0       | 1                |                           |                                         | Single-core 90°C XLPE non-armoured-BS(4E1) | No      | S                   | 1        | 4.0       |  |  |
|                           | L2    | MCB  | N/A   | B                           | 16     | N/A    | N/A                     | 10       | FCU Vent Axia B.005              | N/A            | 4.0       | N/A              | N/A                       | N/A                                     | PVC Cables in Metallic Trunking            |         |                     |          | 4.0       |  |  |
|                           | L3    | MCB  | N/A   | C                           | 10     | N/A    | N/A                     | 10       | Light(s) B.005                   | N/A            | 2.5       | N/A              | N/A                       | N/A                                     | PVC Cables in Metallic Trunking            |         |                     |          | 2.5       |  |  |
| 6                         | L1    | MCB  | N/A   | B                           | 20     | N/A    | N/A                     | 10       | Socket(s) Test Below             | N/A            | 4.0       | N/A              | N/A                       | N/A                                     | PVC Cables in Metallic Trunking            |         |                     |          | 4.0       |  |  |
|                           | L2    | RCBO | N/A   | C                           | 20     | N/A    | N/A                     | 10       | Socket(s) Cleaners B.005A        | N/A            | 4.0       | N/A              | N/A                       | N/A                                     | PVC Cables in Metallic Trunking            |         |                     |          | 4.0       |  |  |
|                           | L3    | RCBO | N/A   | C                           | 10     | N/A    | N/A                     | 10       | Light(s) B.006A                  | N/A            | 2.5       | N/A              | N/A                       | N/A                                     | PVC Cables in Metallic Trunking            |         |                     |          | 2.5       |  |  |
| 7                         | L1    |      |       |                             |        |        |                         |          | Spare                            |                |           |                  |                           |                                         |                                            |         |                     |          |           |  |  |
|                           | L2    |      |       |                             |        |        |                         |          | Spare                            |                |           |                  |                           |                                         |                                            |         |                     |          |           |  |  |
|                           | L3    |      |       |                             |        |        |                         |          | Spare                            |                |           |                  |                           |                                         |                                            |         |                     |          |           |  |  |
| 8                         | L1    |      |       |                             |        |        |                         |          | Spare                            |                |           |                  |                           |                                         |                                            |         |                     |          |           |  |  |
|                           | L2    |      |       |                             |        |        |                         |          | Spare                            |                |           |                  |                           |                                         |                                            |         |                     |          |           |  |  |
|                           | L3    |      |       |                             |        |        |                         |          | Spare                            |                |           |                  |                           |                                         |                                            |         |                     |          |           |  |  |
| 9                         | L1    |      |       |                             |        |        |                         |          | Spare                            |                |           |                  |                           |                                         |                                            |         |                     |          |           |  |  |
|                           | L2    |      |       |                             |        |        |                         |          | Spare                            |                |           |                  |                           |                                         |                                            |         |                     |          |           |  |  |
|                           | L3    |      |       |                             |        |        |                         |          | Spare                            |                |           |                  |                           |                                         |                                            |         |                     |          |           |  |  |
| 10                        | L1    |      |       |                             |        |        |                         |          | Spare                            |                |           |                  |                           |                                         |                                            |         |                     |          |           |  |  |
|                           | L2    |      |       |                             |        |        |                         |          | Spare                            |                |           |                  |                           |                                         |                                            |         |                     |          |           |  |  |
|                           | L3    |      |       |                             |        |        |                         |          | Spare                            |                |           |                  |                           |                                         |                                            |         |                     |          |           |  |  |
| 11                        | L1    |      |       |                             |        |        |                         |          | Spare                            |                |           |                  |                           |                                         |                                            |         |                     |          |           |  |  |
|                           | L2    |      |       |                             |        |        |                         |          | Spare                            |                |           |                  |                           |                                         |                                            |         |                     |          |           |  |  |
|                           | L3    |      |       |                             |        |        |                         |          | Spare                            |                |           |                  |                           |                                         |                                            |         |                     |          |           |  |  |
| 12                        | L1    |      |       |                             |        |        |                         |          | Spare                            |                |           |                  |                           |                                         |                                            |         |                     |          |           |  |  |
|                           | L2    |      |       |                             |        |        |                         |          | Spare                            |                |           |                  |                           |                                         |                                            |         |                     |          |           |  |  |
|                           | L3    |      |       |                             |        |        |                         |          | Spare                            |                |           |                  |                           |                                         |                                            |         |                     |          |           |  |  |

|                       |
|-----------------------|
| New/Modified Circuits |
| Existing Circuits     |