

| Electrical Fixture Schedule |                                       |                   |  |  |  |  |  |
|-----------------------------|---------------------------------------|-------------------|--|--|--|--|--|
| Mark                        | Family and Type                       | Circuit<br>Number |  |  |  |  |  |
| 1                           | Twin Switched Socket Outlet: Standard | CT-2              |  |  |  |  |  |
| 2                           | Twin Switched Socket Outlet: Standard | CT-2              |  |  |  |  |  |
| 3                           | Twin Switched Socket Outlet: Standard | CT-5              |  |  |  |  |  |
| 4                           | Twin Switched Socket Outlet: Standard | CT-5              |  |  |  |  |  |
| 5                           | Twin Switched Socket Outlet: Standard | CT-5              |  |  |  |  |  |
| 6                           | Twin Switched Socket Outlet: Standard | CT-5              |  |  |  |  |  |
| 9                           | Twin Switched Socket Outlet: Standard | CT-4              |  |  |  |  |  |
| 10                          | Twin Switched Socket Outlet: Standard | CT-4              |  |  |  |  |  |
| 11                          | Twin Switched Socket Outlet: Standard | CT-7              |  |  |  |  |  |
| 13                          | Twin Switched Socket Outlet: Standard | CT-7              |  |  |  |  |  |
| 14                          | Twin Switched Socket Outlet: Standard | CT-5              |  |  |  |  |  |
| 15                          | Twin Switched Socket Outlet: Standard | CT-5              |  |  |  |  |  |

| Mark | Family and Type                       | Circuit<br>Number |
|------|---------------------------------------|-------------------|
| 16   | Twin Switched Socket Outlet: Standard | CT-6              |
| 17   | Twin Switched Socket Outlet: Standard | CT-6              |
| 18   | Twin Switched Socket Outlet: Standard | CT-6              |
| 19   | Twin Switched Socket Outlet: Standard | CT-5              |
| 20   | Twin Switched Socket Outlet: Standard | CT-6              |
| 21   | Twin Switched Socket Outlet: Standard | CT-6              |
| 22   | Twin Switched Socket Outlet: Standard | CT-6              |
| 23   | Twin Switched Socket Outlet: Standard | CT-7              |
| 24   | Twin Switched Socket Outlet: Standard | CT-7              |
| 25   | Twin Switched Socket Outlet: Standard | CT-4              |
| 26   | Twin Switched Socket Outlet: Standard | CT-4              |



Revit MEP Autumn 2021

| Rev | Description | Date |
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| CODE   | SUITABILITY DESCRIPTION |
|--------|-------------------------|
| A1     | Construction            |
| STATUS | PURPOSE OF ISSUE        |

Educational Exercise
NOT FOR CONSTRUCTION

PROJECT

Revit MEP 01

TITLE

**Electrical Details** 

CLIENT

Your Name Here

| DRAWN BY              | CHECKE  | D BY           | DATE    |     |
|-----------------------|---------|----------------|---------|-----|
| Drawn                 | Checker |                | 10/19/2 | 20  |
| SCALE (@ A1)<br>1:100 |         | PROJECT RMEP01 | NUMBER  |     |
| DRAWING NUMBE         | R       |                |         | REV |
| E-101                 |         |                |         |     |

| 2 | 0 | - Lighti |
|---|---|----------|
|   | 1 | . 100    |

| Lighting Device Schedule |                                   |           |            |                   |  |  |  |  |
|--------------------------|-----------------------------------|-----------|------------|-------------------|--|--|--|--|
| Mark                     | Family and Type                   | Switch ID | Panel      | Circuit<br>Number |  |  |  |  |
| 1                        | Lighting Switches: One Way Switch | MOffLS    | Main Panel | CT-3              |  |  |  |  |
| 2                        | Lighting Switches: One Way Switch | MR1LS     | Main Panel | CT-3              |  |  |  |  |
| 3                        | Lighting Switches: One Way Switch | MR2LS     | Main Panel | CT-3              |  |  |  |  |
| 4                        | Lighting Switches: One Way Switch | MgrOffLS  | Main Panel | CT-3              |  |  |  |  |
| 5                        | Lighting Switches: One Way Switch | ServLS    | Main Panel | CT-3              |  |  |  |  |
| 6                        | Lighting Switches: One Way Switch | RecLS     | Main Panel | CT-1              |  |  |  |  |
| 7                        | Lighting Switches: One Way Switch | PubLS     | Main Panel | CT-1              |  |  |  |  |
| 8                        | Lighting Switches: Two Way Switch | CorLS1-1  | Main Panel | CT-3              |  |  |  |  |
| 9                        | Lighting Switches: Two Way Switch | CorLS1-2  | Main Panel | CT-3              |  |  |  |  |

|        |   |           | Circuit           |
|--------|---|-----------|-------------------|
| Mark   | Family and Type                                 | Switch ID | Circuit<br>Number |
| IVIGIR | r army and Type                                 | Owiton ib | i (dillipo)       |
| 1      | Plain Recessed Lighting Fixture: 300x1200 - 230 | MOffLS    | CT-3              |
| 2      | Plain Recessed Lighting Fixture: 300x1200 - 230 | MOffLS    | CT-3              |
| 3      | Plain Recessed Lighting Fixture: 300x1200 - 230 | PubLS     | CT-1              |
| 4      | Plain Recessed Lighting Fixture: 300x1200 - 230 | PubLS     | CT-1              |
| 5      | Plain Recessed Lighting Fixture: 300x1200 - 230 | RecLS     | CT-1              |
| 6      | Plain Recessed Lighting Fixture: 300x1200 - 230 | MR1LS     | CT-3              |
| 7      | Plain Recessed Lighting Fixture: 300x1200 - 230 | MR2LS     | CT-3              |
| 3      | Plain Recessed Lighting Fixture: 300x1200 - 230 | MgrOffLS  | CT-3              |
| 9      | Plain Recessed Lighting Fixture: 300x1200 - 230 |           | CT-3              |
| 10     | Plain Recessed Lighting Fixture: 300x1200 - 230 |           | CT-3              |
| 11     | Plain Recessed Lighting Fixture: 300x1200 - 230 | ServLS    | CT-3              |

| Main Office 4 | Meeting Room  5  6  Room  8 | Manager Office 7 | Main Office  Manager Office  Meeting Room  Public Area |
|---------------|-----------------------------|------------------|--|
| Public Are    | a Reception                 | on 88            | Reception  |
| 3             | 2                           | Services up      | Room   |
|               |                             |                  | Services   |
| Room Kev      |                             |                  |  |

|                   | DB Schedule: Main Panel  |                            |  |          |   |                                | 7        | Your Company |                                      |   | Your Logo here                        |       |         |       |
|-------------------|--|----------------------------|--|----------|---|--------------------------------|----------|--------------|--------------------------------------|---|---------------------------------------|-------|---------|-------|
|                   | Location of DB: Services 1 DB supplied from: Mounting Type: Recessed Enclosure: Type 1 |                            |  |          | Voltage: 230/<br>Phases: 3                  | /400 Wye                       |          |              | M<br>Mai                             | .C. Rating:<br>ains Type:<br>ns Rating:<br>CB Rating: |                                       |       |         |       |
| lotes:            |  |                            |  |          |   |                                |          |              |                                      |   |                                       |       |         |       |
| Circuit<br>Number | Circuit<br>Designation   | Type of Wiring             | Circuit Conductors (cs<br>Neutral, CPC           | a) Live, | Max<br>Disconnectio<br>n Time<br>allowed by | Protective<br>Device<br>BS(EN) | PD Type  | PD Rating    | Short<br>Circuit<br>Capacity<br>(kA) | RCD<br>Operating<br>current (mA)                      | Maximum Zs<br>Permitted by<br>BS 7671 |       | L2      | L3    |
| CT-1              | 2001911411011  | 6491B A (2)                | 1-#2.5mm, 1-#2.5mm, 1-                           | #1.5mm   |   | DO(LIT)                        | Hamber   | 20 A         | (ICA)                                | current (mz.)   | 20 1011                               | 0.8 A |         |       |
| CT-2              | Socket   | 6491B A (2)                | 1-#2.5mm, 1-#2.5mm, 1-                           |          |   |                                |          | 20 A         |                                      |   |                                       |       | 1.6 A   |       |
| CT-3              | 0 1 1  | 6491B A (2)                | 1-#2.5mm, 1-#2.5mm, 1-                           |          |   |                                |          | 20 A         |                                      |   |                                       | 0.4.4 |         | 2.2 A |
| CT-4<br>CT-5      | Socket<br>Socket   | 6491B A (2)<br>6491B A (2) | 1-#2.5mm, 1-#2.5mm, 1-<br>1-#2.5mm, 1-#2.5mm, 1- |          |   |                                |          | 20 A<br>20 A |                                      |   |                                       | 3.1 A | 5.5 A   |       |
| CT-6              | Socket   | 6491B A (2)                | 1-#2.5mm, 1-#2.5mm, 1-                           |          |   |                                |          | 20 A         |                                      |   |                                       |       | J.J A   | 4.7 A |
| CT-7              | Socket   | 6491B A (2)                | 1-#2.5mm, 1-#2.5mm, 1-                           |          |   |                                |          | 20 A         |                                      |   |                                       | 3.1 A |         |       |
| CT-8              |  |                            |  |          |   |                                |          |              |                                      |   |                                       |       |         |       |
| CT-9              |  |                            |  |          |   |                                |          |              |                                      |   |                                       |       |         |       |
| CT-10<br>CT-11    |  |                            |  |          |   |                                |          |              |                                      |   |                                       |       |         |       |
| CT-12             |  |                            |  |          |   |                                |          |              |                                      |   |                                       |       |         |       |
|                   |  |                            | •  |          | !   | !                              | !        | !            |                                      |   |                                       |       |         |       |
|                   |  |                            |  |          |   |                                |          |              |                                      |   |                                       |       | 1620 VA |       |
|                   |  |                            |  |          |   |                                |          | Tot          | al Amps:                             |   |                                       | 7 A   | 7 A     | 7 A   |
|                   |  |                            |  |          |   |                                |          |              |                                      |   |                                       |       |         |       |
|                   | ssification  |                            | Connected Load                                   |          | mand Factor                                 | Esti                           | mated Do |              |                                      |   | Panel Tot                             | als   |         |       |
|                   | Dwelling Unit  |                            | 704 VA   |          | 66.00%                                      |                                | 465 VA   | ١            |                                      |   |                                       |       |         |       |
| Other             |  |                            | 0 VA   |          | 0.00%                                       |                                | 0 VA     |              |                                      |   | <b>n. Load:</b> 48′                   |       |         |       |
|                   |  |                            |  |          |   |                                |          |              |                                      |   | Demand: 458                           |       |         |       |
|                   |  |                            |  |          |   |                                |          |              |                                      |   | Current: 7 A                          |       |         |       |
|                   |  |                            |  |          |   |                                |          |              | Total Es                             | t. Demand   | Current: 7 A                          | ١     |         |       |
|                   |  |                            |  |          |   | l l                            |          |              |                                      |   |                                       |       |         |       |
|                   |  |                            |  |          |   |                                |          |              |                                      |   |                                       |       |         |       |