

Plantroom

[TOC] Plantroom - SL\_90\_90

| Mark      | Uniclass<br>System Code | Natural<br>Ventilation | Mechanical<br>Ventilation | Mechanical<br>Ventilation Rate | Equipment List   | Fire Compar-<br>mentation | Description                       | Notes                             | Floor<br>Loading | Clear Internal<br>Length | Clear Internal<br>Width | Clear Internal<br>Height |
|-----------|-------------------------|------------------------|---------------------------|--------------------------------|--|---------------------------|-----------------------------------|-----------------------------------|------------------|--------------------------|-------------------------|--------------------------|
| SPC-1-1_M | Ss_60_40_37             | No                     | Yes                       | 4                              | LTHW pumping circuits and buffer vessels                         | TBC                       | Heating Plantroom                 |                                   | 1000 kg/m2       | 4000 mm                  | 4000 mm                 | 2500 mm                  |
| SPC-1-2_M | Ss_60_40_17             | No                     | Yes                       | 4                              | CHW pumping circuits and buffer vessels                          | TBC                       | Cooling Plantroom                 |                                   | 1000 kg/m2       | 4000 mm                  | 4000 mm                 | 2500 mm                  |
| SPC-1-3_M | Ss_65_40                | No                     | Yes                       | 4                              | Separate AHUs for residential and commercial ventilation systems | TBC                       | Ventilation Plantroom             |                                   | 1000 kg/m2       | 4000 mm                  | 4000 mm                 | 2500 mm                  |
| SPC-1-4_M | Ss_65_40                | No                     | Yes                       | 4                              |  | TBC                       | Borehole/ Ground Source Plantroom |                                   | 1000 kg/m2       | 4000 mm                  | 4000 mm                 | 2500 mm                  |
| SPC-1-5_M | Ss_65_40                | No                     | No                        |                                | Separate AHUs for residential and commercial ventilation systems | TBC                       | External Ventilation Plant Deck   | Surrounded by acoustic enclosure. | 1000 kg/m2       | 4000 mm                  | 4000 mm                 | 2500 mm                  |
| SPC-2-1_E | Ss_70                   | No                     | Yes                       | 4                              | Generator  | TBC                       | Generator Plantroom               |                                   | 1000 kg/m2       | 4000 mm                  | 4000 mm                 | 2500 mm                  |
| SPC-2-2_E | Ss_70                   | No                     | Yes                       | 4                              |  | TBC                       | DNO Substation                    |                                   | 1000 kg/m2       | 4000 mm                  | 4000 mm                 | 2500 mm                  |
| SPC-2-3_E | Ss_70                   | No                     | Yes                       | 4                              |  | TBC                       | Primary LV Switchroom             |                                   | 1000 kg/m2       | 4000 mm                  | 4000 mm                 | 2500 mm                  |
| SPC-2-4_E | Ss_70                   | No                     | Yes                       | 4                              |  | TBC                       | Secondary LV Switchroom           |                                   | 1000 kg/m2       | 4000 mm                  | 4000 mm                 | 2500 mm                  |
| SPC-2-5_E | Ss_75_10                | No                     | Yes                       | 4                              |  | TBC                       | Main Comms/Server Room            |                                   | 1000 kg/m2       | 4000 mm                  | 4000 mm                 | 2500 mm                  |
| SPC-3-1_P | Ss_55_70_38_15          | No                     | Yes                       | 4                              |  | TBC                       | Cold Water Intake Room            |                                   | 1000 kg/m2       | 4000 mm                  | 4000 mm                 | 2500 mm                  |
| SPC-3-2_P | Ss_55_30_98_85          | No                     | Yes                       | 4                              |  | TBC                       | Sprinkler Plantroom               |                                   | 1000 kg/m2       | 4000 mm                  | 4000 mm                 | 2500 mm                  |
| SPC-3-3_P | Ss_55_70_38             | No                     | Yes                       | 4                              | Hot water storage cylinders, pumps                               | TBC                       | Domestic Hot Water Plantroom      |                                   | 1000 kg/m2       | 4000 mm                  | 4000 mm                 | 2500 mm                  |
| SPC-3-4_P | Ss_55_20_34             | Yes                    | No                        |                                | Gas meters   | TBC                       | Gas Intake Metering Room          |                                   | 1000 kg/m2       | 4000 mm                  | 4000 mm                 | 2500 mm                  |

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