

CARAVAN PARK INSTALLATION SITE PLAN

Q19. Complete the following summary of planning detail. Show the calculations, assumptions and any other detail in a logical sequence on a separate sheet of paper so that it can be checked by others. Remember, when you need to perform this task on the job it needs to be thoroughly checked to see that it complies with the relevant requirements.

Consumer's Mains

Maximum demand: _____

Minimum permissible size (copper): _____

Type of cable: V75, 4C+E, Circular, Orange Sheath, TPS.

Voltage at Main switchboard : 415V – 2V = 413V

Calculations:

Site Distribution Board Submains:

Maximum demand: _____

Minimum permissible size (copper): _____

Type of cable: V75, 4C+E, Circular, Orange Sheath, TPS

Installation conditions: Buried in enclosure, or **Buried direct**

Calculated maximum voltage drop: 1%, -

Calculations:

Amenities Distribution Board Submains:

Maximum demand: _____

Minimum permissible size (copper): _____

Type of cable: V75, 4C+E, Circular, Orange Sheath, TPS

Installation conditions: Buried in enclosure, or **Buried direct**

Calculated maximum voltage drop: 1% -

Calculations:

Site Distribution Pillar (Number 6):

Maximum demand: 3001 Clause A2.2(b)(i)

Minimum permissible size (copper): _____

Type of cable: V75, 2C+E, Circular, Orange Sheath, TPS

Installation conditions: Single Circuit Buried in Separate enclosures, enclosures separated

Calculated maximum voltage drop: 1%

Calculations:

Taking into account Voltage Drop

$$230 \times 5\% = 11.5V$$

$$230 - 11.5V = 218.5V \text{ max at Pillar 6}$$

Voltage at Service Pillar 6 =

=

Installation is ?