

## 1.0 Equipment Installation

### 1.1 Location

All equipment shall be installed at locations shown on the Project drawings and in accordance with the manufactures requirements. The location of equipment without dimensions is indicative only. Exact location is to be confirmed with City of Perth Project Officer / Manager. As a general rule the following shall apply regarding the installation of equipment.

All electrical equipment shall be located to provide easy access by personnel for inspection, site maintenance and removal and replacement of components;

All equipment shall be installed strictly in accordance with the manufacturer's instructions and specifications;

Unless equipment is IP rated to the superintendent's satisfaction, all electrical equipment shall be located outside wet areas or areas that are prone to spillage. If required, deflectors and or guards shall be provided to protect equipment;

Adequate clearance for equipment door opening shall be provided in accordance with AS/NZ 3000. As a minimum a 600mm door clearance shall be provided.

### 1.2 Erection

All equipment shall be installed in accordance with AS/NZS3000 , Project drawings and manufacture's installation instructions. Where installation instructions are not provided and deemed necessary by the Superintendent, the Contractor shall provide details of the proposed installation to the City of Perth Project Officer / Manager for approval.

### 1.3 Degree of Protection

All electrical equipment enclosures shall provide the following minimum protection according to their location i.e. outdoor, indoors or within wet areas. The degree of protection shall be in accordance with AS 60529:

- Outdoor installations shall be IP65;
- Indoors installations shall be IP4X minimum; and
- Equipment installed within wet area indoors shall have minimum IP ratings as defined in AS/NZ 3000.

Electrical equipment located within a hazardous area classified zone shall comply with AS/NZS 2381.1