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| MCC TECHNIQUE SDN. BHD. | Electrical Method Statements for lighting, switches and SSO installation | Issue No: 1 | Effective Date: 01/08/17 |
| | | Rev No: 0 | Document Ref: MS-E007 |

1.0 **OBJECTIVE**

This procedure provides installation details for internal lightings, switches, switched socket outlet (S/S/O) with specification, quality control and Safety Plan pertaining to this project.

2.0 **SCOPE**

Method of installation is accordance to latest IEC, IEE, MS, JKR & TNB requirements and local authority standards.

3.0 **TOOLS AND EQUIPMENT**

Screw Driver, Cutter, Pliers, Knife, Wire Stripper, Ladder, Scissor Lift, Scaffolding

4.0 **SAFETY & ENVIRONMENTAL PROGRAM**

- All installation works will be carried-out in accordance with Project Safety Plan, Owner Safety Procedures and statutory regulations.
- All necessary personal protective equipment will be provided and worn.
- All the tools and equipment used at site must be compliance to safety requirement.
- The site of all work activities will be kept in clean and tidy manner.

5.0 **REFERENCES**

MS ISO 9001: 2015 Element 7.1.6.

7.0 **WORK METHOD STATEMENT**

a. **Internal Lighting**

- Internal light fittings will be supplied and installed as specified in the submission of approval and marked in the drawing.
- All elements of the light fittings including cable entries, diffusers etc. and connection to the conduit where applicable should be adequately sealed as which to prevent totally the ingress of moisture, water, vermin and insects.
- All light fittings should be adequately earthed. The earthing should be extended to the necessary control gear where applicable.
- Its installation so that all maintenance including replacement of lamps can be carried out from the underside of the fittings.

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- All light fittings should be complete with suitable connectors for the size and number of connections to be made at the point and the wiring required to support and/or to connect the fittings.

b. Switches

- Switches should be rated as for 5 or 10 amps, or more as determined by circuit load which for inductive lighting circuit should be assessed one way or two ways as indicated on the drawings and fixed generally at a height of 1350mm from the finished floor level and where located in rooms the switch should, where possible be located on the inside of the room on the handle side of the door as close to the door as is practicable (200mm away from the door frame).
- An earthing terminal should be provided and connected to the earth continuity conductor at every lighting switch position.

c. Switched Socket Outlet

- Socket outlets should be generally being position 300mm above floor level for General Office and Dry Areas or except as otherwise specified where they should be positioned 200mm above bench in Workshop, Laboratories and etc. whichever is applicable.

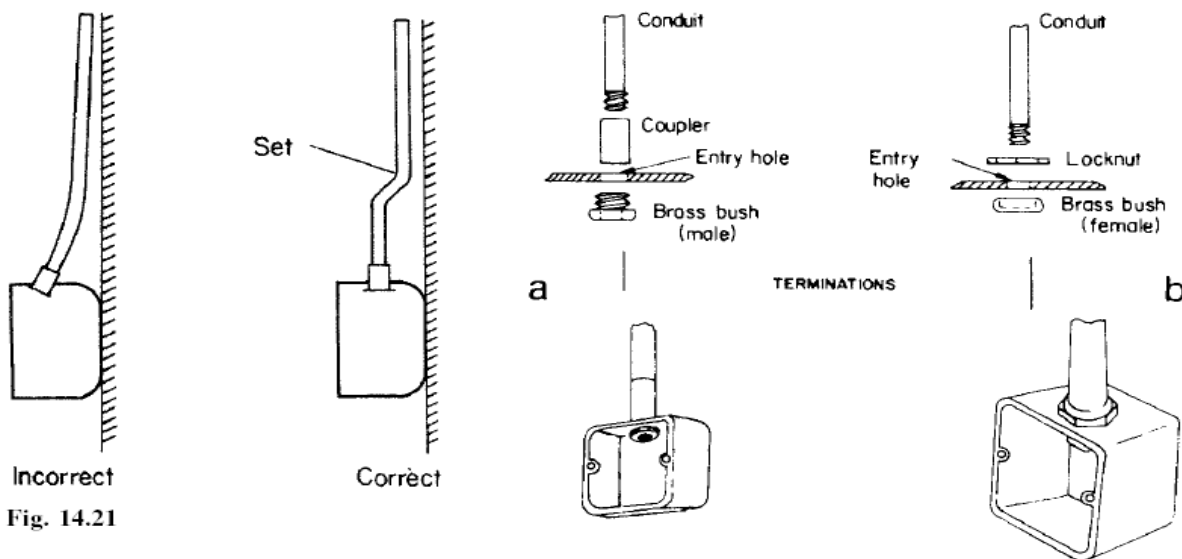


Fig. 14.21

The above diagram shown the correct installation of the base box for switches & S/S/O