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## METHOD STATEMENT FOR INSTALLATION OF EMERGENCY LIGHTING SYSTEM

REVISION HISTORY	ISSUE DATE	DESCRIPTION	REVIEW / STATUS

<b>PREPARED BY:</b>	<b>REVIEWED BY:</b>	<b>APPROVED BY:</b>
<b>QA QC ENGINEER</b>	<b>MAINTENANCE MANAGER</b>	<b>DEP. HEAD</b>

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## 1.0. Scope

This method statement details the method of installation of the Emergency Lighting System

### Note

A separate Method Statement [Ref.] shall be submitted for testing and commissioning of the Emergency Lighting System.

## 2.0. Material

- 2.1. All materials shall be as per approved material submittals (schedule of materials attached herewith).
- 2.2. Sizes of FP200 cable shall be as per approved shop drawings/system manufacturer's recommendation.
- 2.3. The type of emergency/exit luminaire shall be as per approved shop drawings.
- 2.4. The direction sign of Exit luminaries shall be as per approved shop drawings.

## 3.0. Applicable Location

- 3.1. [Location Here]

## 4.0. Method

### 4.1. Storage

- 4.1.1. All materials received at the site shall be inspected and ensured against approved material submittal.
- 4.1.2. Any discrepancies, damages, etc. shall be notified immediately for further action.
- 4.1.3. Material found not suitable for the project is to be removed from the site immediately.
- 4.1.4. FP200 cables shall be stored with the factory packing on a flat surface.
- 4.1.5. Materials shall be stacked properly as per manufacturer's recommendation and covered to prevent dust and water/moisture.
- 4.1.6. The central emergency lighting panel's battery banks and luminaries are to be stored as per the manufacturer's recommendation mentioned/mentioned in the packing.

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- 4.1.7. The ambient condition of the storage place is to be as per the manufacturer's recommendation.
- 4.2. Installation**
- 4.2.1. FP 200 Cable
- 4.2.2. Ensure the relevant current / approved shop drawings are available with the installation team.
- 4.2.3. Check the cable drum for any external damage during transportation and ensure the type of cable against the area of usage/application.
- 4.2.4. Check the color and size of the cable are as per approved shop drawings.
- 4.2.5. Install the FP200 cable in the using clips for exposed area installation.
- 4.2.6. Maintain a clipping distance of 60 cm
- 4.2.7. The cable shall be adequately supported depending on the type of installation as recommended by the manufacturer.
- 4.2.8. In concealed application pull FP200 cable manually through conduit installed as per approved shop drawings and approved method statements.
- 4.2.9. Check and ensure the cable route is proper and free from damage or sharp edges.
- 4.2.10. Leave enough length of cable at both ends for termination.
- 4.2.11. Proper glanding is to be done at the Light Fitting enclosure.
- 4.2.12. Provide identification in the panel for the circuits as per approved shop drawings.
- 4.3. Emergency Lighting Panel and Battery Compartments**
- 4.3.1. Ensure the relevant current / approved shop drawings are available with the installation team.
- 4.3.2. Transfer the panel/battery bank to the workplace with the help of a forklift. Enough manpower shall be deployed to avoid any transportation damages.
- 4.3.3. The exact location of the panel is to be marked based on service shop drawings after coordinating with other services.
- 4.3.4. Ensure adequate access availability for future maintenance.
- 4.3.5. Fixing holes will be marked properly, keeping the back box of the panel in place, for wall-mounted panels.
- 4.3.6. Fix the back box properly and fix the remaining panel accessories.
- 4.3.7. For floor-mounted / free-standing panels location will be marked on the floor.
- 4.3.8. Panel/battery banks are to be identified properly as per specification and approved shop drawings.

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4.3.9. Proper glanding is to be done on top as per the manufacturer's recommendations and the wires are to be terminated after ferruling.

4.3.10. Remove the cable sheath after the cable enters the panel and dress the wires.

4.3.11. The line wires are connected to circuit changeover modules, and the earth wire to the earthing provision on the panel.

4.3.12. The panel and the Circuits are to be identified properly as per the approved shop drawings.

#### 4.4. Emergency / Exit Luminaires

4.4.1. Ensure the relevant current / approved shop drawings are available with the installation team.

4.4.2. Transfer the luminaires to the workplace manually after checking the type of luminaire against relevant current / approved shop drawings.

4.4.3. The exact location of the luminaire is to be marked on the reflected ceiling layout with the exact dimensions for ceiling installation.

4.4.4. The exact location and mounting height are to be as per the approved shop drawing for wall-mounted installations.

4.4.5. Install the luminaire and terminate the cable properly.

4.4.6. Ensure the proper protection from damages during construction work.

4.4.7. Address the luminaire as per the address given in the approved shop drawing

4.4.8. Check the directional signs of the Exit luminaire against approved shop drawings

### 5.0. Records

5.1. Signed-off Installation Check List

5.2. Inspection request duly signed off by Consultant.

5.3. Certification of installation.

### 6.0. Attachment

6.1. Emergency Lighting System devices – Installation checklist

6.2. Schedule of material