METHOD STATEMENT FOR INSTALLATION OF DETECTION AND ALARM SYSTEM

REVISION HISTORY	ISSUE DATE	DESCRIPTION	REVIEW / STATUS

PREPARED BY:	REVIEWED & APPROVED BY:
HSE OFFICER	SR. PROJECTS ENGINEER

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1.0 Scope

This method statement details the method of installation of detection and alarm systems.

NOTE: Testing and Commissioning of Detection and Alarm system will be submitted separately under Ref. [Number Here].

2.0 Material

2.1. Multitronic 592– Standard 6 channel Monitoring & Control panel.

2.2. ADOS 592 TOX CO gas sensor with chemical (CO gas) test head.

2.3. 2 x 2C Shielded cable

3.0 Applicable Location

3.1. East and West Podium (basement, Lower ground Floor, Ground Floor, and First Floor)

4.0 Methodology

4.1. Storage

4.1.1. All materials received at the site shall be inspected and ensured that the materials are as per approved material submittal.

4.1.2. Any discrepancies, damages, etc. shall be notified to stores for further action.

4.1.3. Material found not suitable for the project is to be removed from the site immediately.

4.1.4. Cables shall be stored with the factory packing on a flat surface.

4.1.5. CO detection and alarm system panels and devices are stored in a dry and ventilated closed space.

4.2. Installation

4.2.1. Installation of Containment

4.2.2. The main cables from the panels to each detector through the concealed/G.I. Conduit

4.2.2 Pulling cables

4.2.2.1. The main cables from the panels are pulled through the containment.

4.2.2.2. The cable type and size are as per the approved shop drawing.

4.2.3 Installation of Detectors

4.2.3.1. ADOS 592 TOX gas detectors are installed on the G.I. back box on the designated columns as per the approved shop drawing.

4.2.3.2. The height of the detectors shall be as per the approved shop drawing – 1200mm on top of the box from FFL.

4.2.3.3. Terminate the wires to the detectors.

4.2.4 Installation of Main panels

4.2.4.1. The unit will be checked before installation for any mechanical damage during transportation.

4.2.4.2. The nameplate will be checked against the approved equipment data sheet.

4.2.4.3. The panels are fixed at the designated BMS Room.

4.2.4.4. The mounting height of the panel is 1800mm TOP from FFL.

4.2.4.5. The 50mm x 50mm GI Trunking is to be connected to the panel to take the cabling for detectors.

4.2.4.6. Terminate the cable outgoing for detectors.

4.2.4.7. The connection of the power supply is fed from the DB as mentioned in the approved shop drawing.

4.2.4.8. Provisions shall be made available for BMS connections

5.0 Records

5.1. Signed off QC installation Check List

5.2. Inspection request duly signed off by Consultant.

6.0 Attachment

6.1. Risk Assessment