

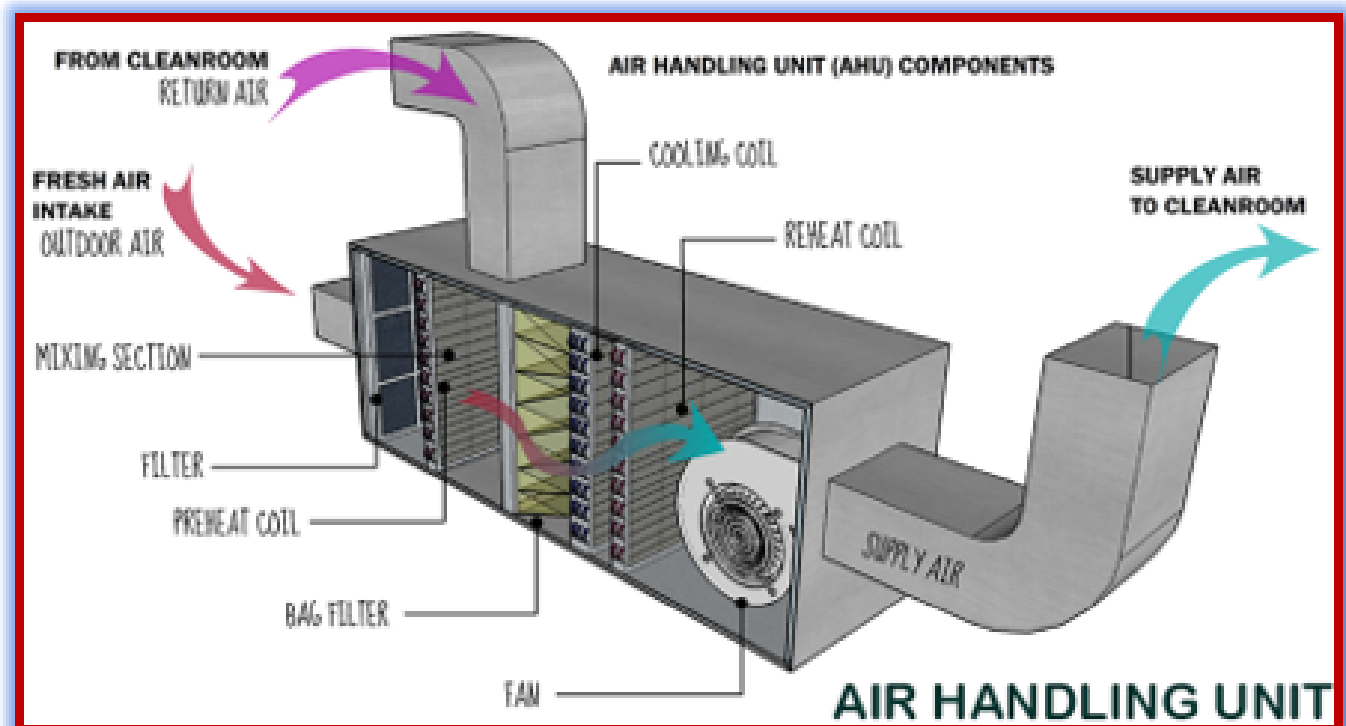
METHOD STATEMENT

FOR

INSTALLATION

OF

AIR HANDLING UNIT



INTRODUCTION

This Method statement describes in details the onsite installation of AHU. AHU shall be installed as per approved material submittal.

SCOPE OF WORKS

The Method Statement shall cover all works related to the installation of AHU as per approved shop drawing and approved material submittal for the project.

REFERENCE DOCUMENTS

- 3.1. Specification – Section 15855
- 3.2. Recommendation of approved material submittal

ORGANIZATION & RESPONSIBILITIES

Project Manager:

It is the **Project Manager** duty to ensure that all necessary safety and protective equipment are provided along with properly trained and qualified personnel. Moreover, to ensure that all survey works are carried out in accordance with this method statement.

Quality Engineer's:

It is the **Quality Engineer's** responsibility to ensure that all surveying equipment is being calibrated. Ensure that all inspections and tests are carried out as per Project requirements and that all are recorded. Maintaining all quality records relevant to verification of records.

Site Engineer / Site Supervisor's:

It is the **Site Engineer / Site Supervisor's** duty to organize the work force in a safe manner and to ensure that safety and protective equipment are being properly utilized. He must also ensure that the method statement procedure is followed and notify the HAC Q.C / EHAIF International for inspection.

Surveyor's:

It is the **Surveyor's** duty to obtain all data and information required for surveys. **Determine** methods to establish survey control. Use appropriate equipment to complete assigned task. Keep accurate notes and records to describe and certify work performed. Abide by all Site Safety and Quality Requirements.

Safety Engineer / Officer's:

- The **Safety Engineer** is responsible for devising and implementing programmes and plans to safeguard, health and safety of all employees, and to prevent loss or damage to the existing assets and projects, He is responsible for the implementing of the safety programs. He is also responsible to:
- Provide support to site safety officers advising them on safe working methods and assisting with training of personnel.
- Carryout regular site safety audits and reports and correct unsafe work practices and potential hazards.
- Investigate and report all accidents near misses and recommend prevention measures. Ensure maintenances of good hygienic standards and availability of safety equipment and first aid treatment.
- Present monthly safety reports and required documents.

Safety Officers are responsible for:

- The day to day activities of maintaining safety on project site, they must: Understand and comply with requirements of the safety manual.
- Cooperate with the safety engineer to create and maintain safe working conditions.
- Assist the site engineers and foremen to organize the work area so that the men can perform their duties with maximum efficiency and minimize risk to themselves or to equipment.
- Inspect equipment and tools before use to ensure correct storage and properly utilization. Maintain record of all injuries and damages on site, submit reports as required.

RESOURCES

Equipment & Machinery:

The following equipment will be used to carry out the installation of FANS.

- Mechanical hand tool
- Mobile Crane
- Fork Lift

METHODOLOGY

Storage

- AHU shall be stored in such a manner as to preserve its quality condition.
- AHU are to be as per manufacturer recommendations but at the same time it should be accessible.

- The quantity to be delivered at site for installation shall be consistent with the necessary required quantity of the work to perform.

Setting Out

- Check the readiness of reference and coordinates.
- Check the other activates works related with the installations.
- Arrange all necessary work permit, check and verify the actual site condition.

Unloading and Shifting:

- AHU shall be transported by a delivery truck and mechanical crane / fork lift to the specific work place.
- Safety Officer will be present during loading and unloading of.
- Two lifting point will be used during the loading and unloading of AHU to ensure safety that no incident will occurs. Traffic Aide will be present during loading and unloading of Unit for maintaining the traffic in the project site if needed.
- All lifting equipment will be inspected daily before operating. Any parts detected damages must be replaced immediately before operating.

Installation for AHU at Concrete roof

• Mech. Installation: -

- Set and fix AHU steel frame at Unit location at roof.
- Connect Unit with duct through duct reducer.
- Installation manual attached.

• Electrical Installation: -

- Connect power cable from MCC Panel to disconnecting switch.
- Connect Power Cable from disconnecting switch to Unit motor.

QUALITY ASSURANCE

Material : Approved submittal.

Location : As per approved shop drawings

HEALTH, SAFETY AND ENVIRONMENT

PPE Requirements

As a minimum the following PPE should be used by staff / Labors

- Hard hat.
- Safety shoes.
- Safety eye glasses.
- Hand gloves.
- High visibility vest.

Any additional PPE as required by local rules or mandatory requirement shall be used.

Safety Accessories

- Traffic Cones.
- Warning /barricade/barrier tape.
- Safety signs.
- Cooled water container for drinking.
- First Aid box.
- Workers rest area
- Portable toilet
- Fire extinguishers
- Sign boards of Emergency contact details/persons

Information to Personnel.

- Safety Induction will be done in accordance with **HSE Policy** prior to start work in site.
- Safety toolbox meetings to be carried out prior to work.
- Before job start checklist of protective & safety equipment to be use are in order.
- Personal protective & safety equipment as per requirement to be performed by personnel to do the task.
- Toolbox talk to be convened & attended by all personnel assigned to do the task. Work crew will be given instruction on site surveying procedure & all risk associated with the works and registered attendance.
- Safety personnel & designated responsible person will ensure that all above is carried out & any other statutory requirements are complied with before any work takes.
- Hazard analysis to be done.

- Personnel who have been briefed in the correct equipment set up.
- Personnel will wear gloves, footwear, head & eye protection during work.
- Use the correct tools to do the task.
- Removal of any obstructive / protruding materials.

APPENDICES

1. Risk assessment.