How to install Air Handling Unit?

Below is the procedure for the installation of air handling unit which is part of HVAC system. Below precise procedure will help you understand the sequence of installation.

- Check the AHU's foundation and ensure it is as per drawings. Check the area around the foundation ensure and access Handling Unit from all sides as applicable. of sufficient slope to availability the drainpipe, for easy draining drain. Place the anti-vibration ribbed rubber condensate correct thickness asper approved drawings/submittals.
- In case of multiple rubber pads the pads shall be place done above the other, with the ribs at right angle to each other. AHU sections are assembled at site/location by factory trained personnel only.
- Shift the Air Handling Units to the place of installation manner using fork lift/crane as applicable. Ensure that the AHU is shifted to the place of installation. Air inlet, outlet, fresh air and chilled water connection orientation approved drawings. If the AHU's are shipped in multiple AHU's will assembled strictly as per the manufacturer's be instructions.
- AHU's correctly foundation with The placed on vibration are isolator rubber pads at right location. The AHU's will be properly parallel to room walls/other installations. inspected any damage during hoisting/shifting. again for Upon satisfactory positioning of AHU's any open air/water outlets AHU's shall be closed properly and area shall be cleaned, complete protection in areas where other trades are working.

Air, Chilled Water, Electrical and Condensate Drain connections

- Ducting shall be connection done as per approved drawings. connections Provide flexible duct applicable/as approved submittal. Provide proper supports as per approved drawings.
- water connections shall be made as per Chilled approved drawings. return connection made properly Ensure supply and is the air to handling unit. Provide pipe flexible connection and other piping per approved drawings and submittals. The accessories as piping shall be free of any strain and shall not exert any load on AHU's.
- The piping connections to AHU's shall be pressure tested to 1.5 times the working pressures. Coils not included in test. Strainer shall be cleaned after pressure testing and initial flushing of chilled water piping system.
- strainer, Install the control valves, commissioning set correctly approved drawings. direction of flow as per Ensure

operation of valve handles and sufficient space for valve installation. terminated Condensate drain piping shall be at the nearest floor drain. Provide the 'U' trap in the condensate drain piping. Ensure cleaning of 'U' provision for traps. Ensure proper slope to easy draining. Flow test of the AHU's drain tray, condensate drain pipe and ensure water is drained out completely.

Electrical Connections

- power • Electrical connections shall be done approved as per AHU requires power supply from MCC which drawings. panels approved as well separately. Installation of MCC panels can be done as per approved procedure.
- Inspection Request for installation of Air Handling Unit AHU shall be raised for consultant's inspection. QC inspection shall be carried out as per the installation checklist and manufacturer's instructions.