

SECTION 23 73 23

CUSTOM AIR HANDLING UNITS

This document is intended to note the Owners Design Requirements (ODR) for the titled specification section. Design professional to review and integrate ODR into the project's technical specifications. This ODR document should not be viewed as a standalone technical specification.

PART 1 - GENERAL REQUIREMENTS

- ◆ The Division 23 Contractor shall pay for costs incurred by other contractors and design professionals to accommodate units other than basis of design.
- ◆ Spare parts
 - Furnish one additional gasket for each sectional joint of each central-station air-handling unit.
 - 1 spare access door handle for every AHU access doors
- ◆ Warranty
 - Manufacturer: 18 months from ship date or 12 months from startup parts and labor for entire unit. Provide extended parts and labor warranty for individual components as indicated in those sections of this specification.
 - Contractor to provide extended parts and labor warranty to extend AHU warranty to 12 months past substantial completion.

PART 2 - PRODUCTS AND MATERIALS

- ◆ Manufacturers (or OWNERS approved equal)
 - Temtrol
 - Alliance
 - Pace
 - Miller-Picking
- ◆ Unit Physical Size
 - Field measure location of unit prior to submittal to ensure no physical conflicts.
- ◆ Fans section
 - Fan walls (if used)
 - Aluminum fan construction is preferred for weight to ease maintenance
 - Size individual fans for ease of removal and provide maintenance access for fan removal.
 - Provide each fan with a backdraft damper.
 - Standard horsepower motor sizes only.
 - Baldor Motors
- ◆ Coils
 - Chilled Water Coils to be sized for a minimum of a Delta T of 18°F
 - Hot Water Coils to be sized for a minimum of a Delta T of 30°F
 - Coils should have red brass headers
- ◆ Controls
 - Provide maintenance light on a timer switch for each section of air handler.
 - Controls: Refer to the drawings for control sequence.
- ◆ Filter Rack
 - Slide-in filter racks large enough to fit the filters noted on drawing.

PART 3 - EXECUTION

- ◆ Installation, general

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- Field measure existing units to be removed. Measure path to ensure unit can be removed.
- ◆ Filter maintenance
 - If HVAC equipment is used during the construction period, Contractor shall provide one set when the unit is started and replace filters when needed, but not less than once per month until substantial completion. Just prior to substantial completion (and testing / balancing), the Contractor shall thoroughly clean the unit(s) and provide a new set of filters as required in each unit. Filter changes during construction shall require documentation by the construction manager.
 - A complete filter list shall be given to the Owner listing each units filter size and quantity and a total quantity per size for the new construction.

END OF SECTION