

#### 1.01 Purpose:

A. This standard is intended to provide useful information to the Professional Service Provider (PSP) to establish a basis of design. The responsibility of the engineer is to apply the principles of this section such that the University may achieve a level of quality and consistency in the design and construction of their facilities. Deviations from these guidelines must be justified through LCC analysis and submitted to the University for approval.

#### 1.02 Requirements:

- A. Air Handling Units shall be designed to the specific requirements of the application: Recirculation or AHU shall utilize fan wall technology where possible.
- D. AHU mechanical rooms shall be designed to facilitate removal and installation of tube bundle without requiring modifications to building or any other mechanical system, including piping, wiring,



2.04 Motors and Drives:

1. Motors shall be mounted to be accessible and removable through the casing access door. All motors shall be manufactured to be high efficiency and designed to be used with variable frequency drives.
2. ABB Drives preferred.
3. Motor controls must be designed with HOA operations.

2.05 Preferred Manufacturers

1. Temtrol
2. Energy Labs
3. Haakon
4. Air Enterprises
5. York
6. Thermal Corp.

END OF STANDARD

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