HVAC Design for Energy Efficiency 23.00.04

Description:

The purpose of the section is to highlight the current applicable UMD Design Standards for current HVAC Energy Efficient Design at the UMD campus.

Related Sections:

- TBD

Effective Date:

- January 1, 2021

Applicable Standards:

- TBD

General Requirements:

- The University is committed to energy-efficient design within the limits of budget constraints. The HVAC designer is required to analysis and take advantage of opportunities to reduce first cost with less-than-optimal concepts (but within the bounds of good practice and applicable energy codes), yet allow for the future retrofit to state-of-the-art energy-efficient equipment and concepts.

- Expansion: In the future the University may executing an arrangement with a performance contractor such that no cash retrofits funded by provable future energy savings could be routine.

- When future retrofit opportunities are identified and, the University agrees, the any HVAC design must allow for the future physical installation i.e. adequate space, pathways, etc.

- The HVAC design must also allow provisions in the base design (pressure/temperature taps, flowmeter stations, etc.) for measurement techniques which will be used to establish a baseline of energy use, then to quantify the post-retrofit savings.