

HVAC Overview

Base Bid

The base bid retains the existing air-handling unit and condensing unit which is outside. These units will be modified to provide Variable air volume control. This will not be noticeable to the occupants but will result in a decrease in operating costs. However, As with any older equipment, when it is modified it will not operate as efficiently as it could.. As part of the base bid the controls will also be modified to Direct Digital control which will also result in a reduction in operating costs. It will also provide for better control within the spaces. The thermostats will operate more efficiently and therefore control temperature better.

The biggest difference in occupant comfort will be due to the additional zones that are added. This will allow for better temperature control throughout the space.

Alternate Bid

The alternate bid is to replace the existing air-handling unit and condensing unit. Replacing these pieces of equipment will increase the efficiency of the system and reduce maintenance costs. It will not have an effect on occupant comfort.