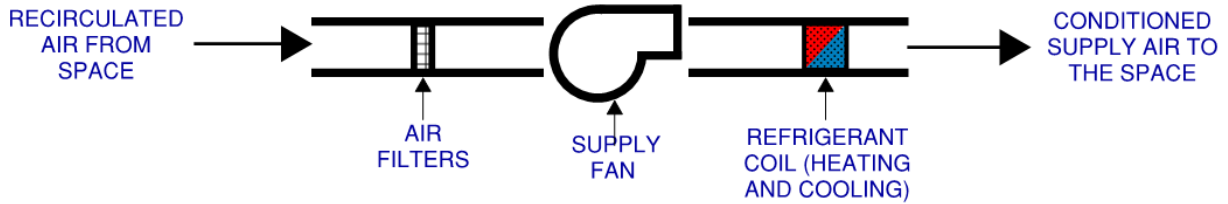


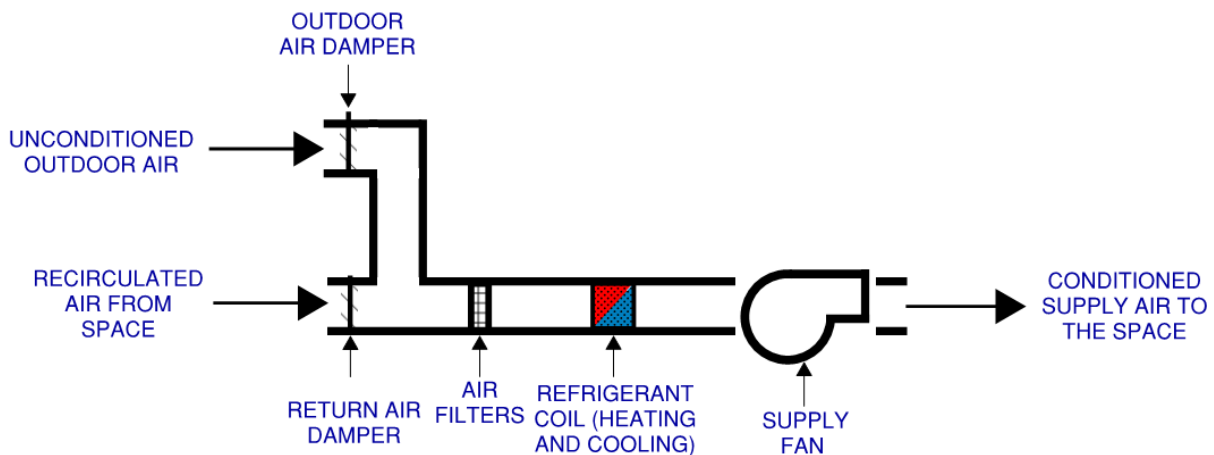
JOE BROWN HALL

Joe Brown Hall is conditioned primarily with occupant-controlled window air conditioning units that served individual spaces. The window air conditioning units rely on refrigerant cycled between vapor and liquid phases through compression and heat transfer process to absorb heat from the space and reject it outside the building. These units filter and recirculate room air and cool and dehumidify the air whenever the unit is running based on the space temperature and need for cooling.



WINDOW AC UNIT SCHEMATIC

Classrooms 117 and 213 are each served by split-system heat pump units. These systems resemble larger versions of a residential air conditioning system, with the exception that they both incorporate an outside air intake that mixes fresh air in with recirculated air from the space being served when the system is operating. These heat pump units provide heating and cooling via heat exchange with a refrigerant coil.



VENTILATED HEAT PUMP UNIT SCHEMATIC