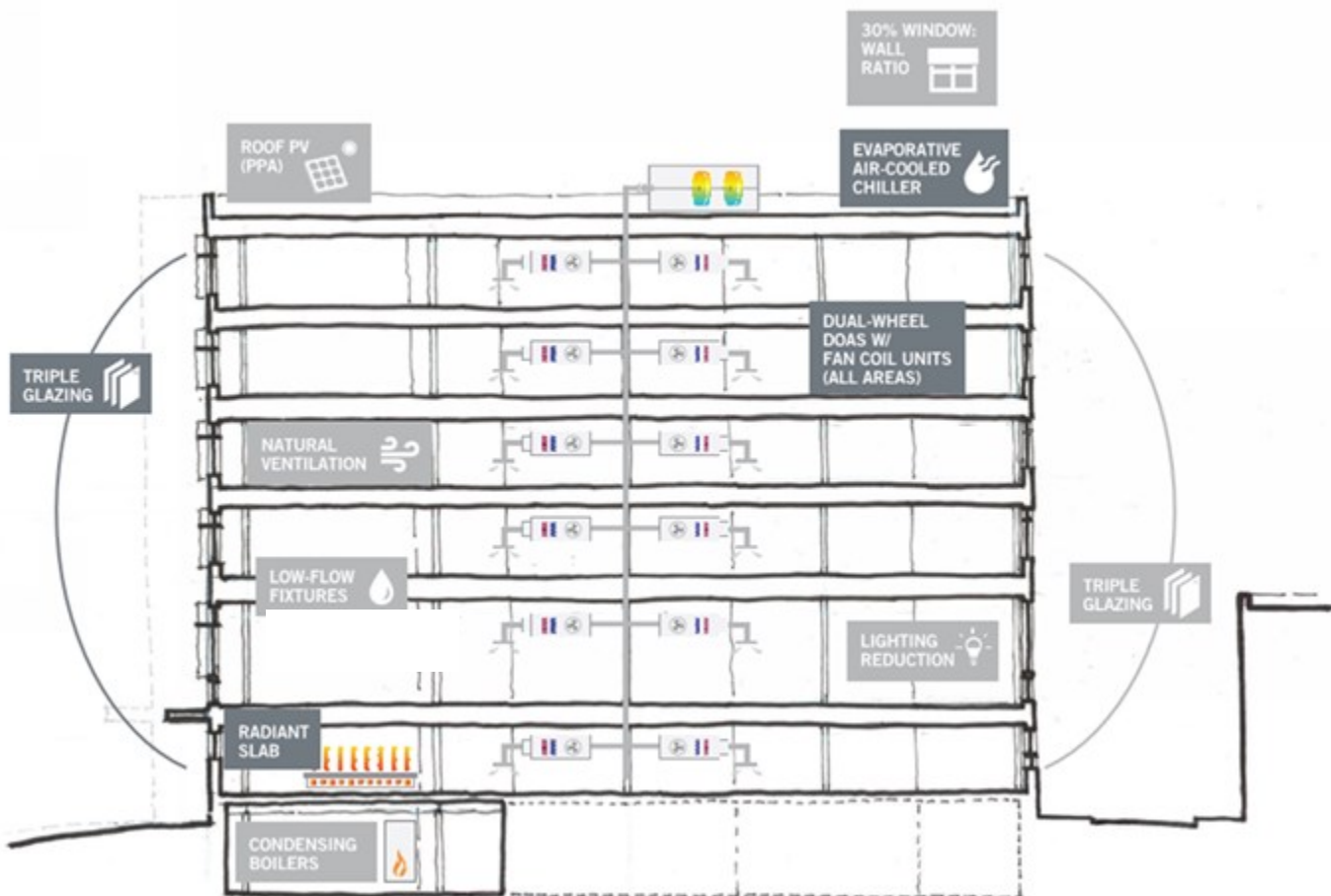








# Sustainability Features

**Tufts**  
Joyce Cummings Center

The Joyce Cummings Center has a number of features that allow it to be a highly energy efficient building. Through these integrated systems, the building is targeting a best-in-class energy use intensity of 50 kBtu/sf



-  Windows are triple pane enhancing energy efficiency, improving thermal comfort, and mitigating unwanted outdoor noise
-  Energy is recovered by – not one – but two energy recovery wheels in the roof top air handling unit
-  Fan coil units provide local heating and cooling improving efficiency by decoupling from the ventilation system and enabling more local temperature control
-  All lighting is high efficiency LED
-  Electricity is generated by a solar array on the roof of the building and sent back to the grid.
-  Xeriscaping eliminates the need for irrigation

**Everyone has a roll to play to meet our energy goal. Many of the building energy efficiency features are automated to ensure thermal comfort and proper operation.**



### **Thermostats**

Each zone has a dedicated thermostat. Temperature setpoints are 68°F in the winter and 73°F in the summer time. Temperature will setback to 62°F in the winter and 77°F in the summer when occupancy is not detected in the space for 15 minutes. The temperature will setback further to 60°F in the winter and 82°F in the summer during off hours (7pm to 7am).




### **Lighting Controls**

Lighting can be turned on/off and dimmed. Lights are controlled by a vacancy sensor and photocell on the ceiling. A vacancy sensor will not turn on your lights like an occupancy sensor – you will have to turn on your lights via the switch. If it's a bright day outside, feel free to leave your lights off. If you leave your space for 15 minutes, then the lights will shut off. If enough daylight is entering your space, then the lights will be turned off. You can override this feature by using the up/down arrows on the keypad. Increasing light levels will increase energy consumption. Note that lighting controls in classrooms and conference rooms are different than those in your office.



### **Automatic Receptacle Control**

Similar to the temperature and lighting, power will be automatically turned off to select outlets if you leave your space for 15 minutes. The outlet that turns off is designated with a  symbol. Please be sure to plug your computer into the correct outlet to ensure you do not lose your work. Note that this feature is only in offices – not classrooms, conference rooms, or labs.