

**4.01.03 – CAMPUS CONDITIONS**  
**DESIGN AND CONSTRUCTION STANDARDS**

**CAMPUS CONDITIONS**

beginning of each project including potential utility ~~file~~ locations and requirements.

<b>Energy Monitoring System:</b>	<b>Structureware</b>
<b>Hot Water Supply Temperature:</b>	<b>140 -180 degrees F</b>
<b>Hot Water Supply Pressure:</b>	<b>Varies based on project location; building pump shall be sized to handle full pressure requirement of the building assuming 1 atm supply pressure.</b>
<b>Chilled Water Supply Temperature:</b>	<b>42 degrees F</b>
<b>Chilled Water Return Temperature:</b>	<b>minimum 16degrees Fdelta T</b>
<b>Chilled Water Supply Pressure:</b>	<b>Varies based on project location; building pump shall be sized to handle full pressure requirement of the building assuming 1 atm supply pressure.</b>
<b>Recovered Water Pressure:</b>	<b>Not used at this time</b>
<b>Domestic Water Pressure:</b>	<b>Varies based on project location</b>
<b>Purified Water Pressure:</b>	<b>Varies based on project location</b>
<b>Fire Protection Water Pressure:</b>	<b>Varies based on project location; zone dependant</b>
<b>Compressed Air:</b>	<b>100 psi, -70 degrees F</b>
<b>Electric Service:</b>	<b>13,200 volts, 3 phase;</b> <b>contact Facilities Management Electrical Department for Information</b>
<b>Outdoor design conditions</b>	<b>Winter = 20°F (ASHRAE Extreme Min. Mean)</b> <b>Summer = 98°F DB / 90°F WB</b> <b>Dehumidification = 89°F DB / 78°F WB (ASHRAE 0.4%)</b> <b>Note: Applications with 50% outside air or greater shall verify system performance at dehumidification condition.</b>

Indoor design conditions:

Winter = 68°F +/- 2°F

Summer = 74°F +/- 2°F

Relative Humidity = 50% +10% / -20%

Note: Specialized spaces, such as IT rooms, may be subject to different design conditions. Coordinate with project requirements.