4.01.03 – CAMPUS CONDITIONS
DESIGN AND CONSTRUCTION STANDARDS

CAMPUS CONDITIONS

Campus "design" conditions will vary between Sam Houston State University campuses; however, the following list of conditions is provided for the Main Campus. Even within the Main Campus, the following are considered typical design conditions and will vary based specific project location and utility availability. The designer should establish actual conditions with the University at the beginning of each project including potential utility tie-in locations and requirements.

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

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.