

4.01.03 – CAMPUS CONDITIONS

DESIGN AND CONSTRUCTION STANDARDS

CAMPUS CONDITIONS

Campus “design” conditions will vary between The University of Texas at Austin 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.

Chilled Water Supply Temperature:	42 degrees F
Chilled Water Return Temperature:	58 degrees F
Chilled Water Supply Pressure:	Varies based on project location; however, building pump should be sized to handle the full pressure requirement of the building.
Steam Condition:	170 psi, 500 degrees F
Pumped Condensate Pressure:	20 psi
Recovered Water Pressure:	35 psi
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
Electric Service:	12,000 volts and 4160 volts, 3 phase; contact University staff for conductor size
Outdoor design conditions:	Winter = 20°F (ASHRAE Extreme Min. Mean) Summer = 98°F DB / 74°F WB (ASHRAE 0.4%) 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 = 75°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.