

Process Control Campus Chilled Water



Fenton Systems supplies controls for chilled water system. The control system is based on an Allen-Bradley SLC-05 and also includes a computer system that monitors and collects data. The P&ID's for the system and the control panel is shown.

The chilled water system controls and monitors two chillers, two cooling towers, and a Plate and Frame Heat Exchanger. The chilled water system is a primary-secondary configuration with the primary pumps ran at a constant speed and the secondary pumps controlling flow based on campus load.

The cooling water temperature is controlled using variable speed fans.

The heat exchanger is used during fall and spring based on temperature conditions.

