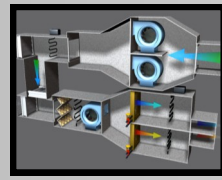




Security



Fire Alarm



HVAC

SCOTT M. MATHESON COURTHOUSE

SALT LAKE CITY, UTAH, USA

The Scott M. Matheson Courthouse in downtown Salt Lake City took nearly two years to complete. The HVAC and Lighting Control System for this project was installed and programmed entirely by Utah-Yamas Controls,



This vast building contains over 550 VAV boxes, each controlled by a DDC controller, which allows maintenance personnel the ability to monitor and adjust temperature set points and other parameters from a single workstation (computer) located within the building.

The building also contains six air handlers, also controlled by DDC controllers, to allow the same ease of monitoring and adjustability.

The hot water system consists of two boilers and pumps, including all necessary equipment to provide hot water to the air handlers, VAV boxes, and the snow melt system. The snow melt system provides warm water to the parking garage ramps which melts the snow to ensure safe driving. The snow melt system is also controlled by DDC controllers. There are also DDC controllers for control of the domestic hot water provided throughout the building and kitchen areas.

The chilled water system consists of two chillers, one cooling tower, one flat-plate heat exchanger and all other necessary equipment. The heat exchanger is used as a first stage of cooling, providing the acceptable outdoor air temperature and humidity are met. The smaller chiller would be staged on next, followed by the large chiller, and then both would run together if needed to provide the cooling that is required for the building.

The parking garages are equipped with carbon monoxide sensors that are monitored by the DDC system. Exhaust fans are staged on and off to assure sufficient fresh air for the number of vehicles running in the parking structure.

All exterior and interior lights not needed for security or emergencies are controlled by the DDC system. The exterior lights are controlled by sunrise and sunset times. The interior lights are staged by work schedules.

For more information on this project. Please contact your Utah-Yamas Controls Sales Representative.

**STATE COURT
FACILITY**

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