

UC DAVIS HEALTH & WELLNESS CENTER

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Application range

Office

Type

Reference

\$34 million, three-story, 75,000-square-foot UC Davis Student Health & Wellness Center was built with sustainability in mind. Architecture firm WRNS Studio designed the center with a goal of LEED® Silver certification and created an atmosphere suitable for a center housing health services including primary care, urgent care and diagnostic programs. A major challenge for the center included choosing a method of cooling the building, considering the heat generated by medical and office equipment as well as high summer temperatures.

In this project, TROX USA provided active chilled beams type DID302 for patient center and office cooling, the first chilled beam system in a UC Davis facility. The chilled beam system maintained cool temperatures around the heat-emitting office and medical equipment while also allowing for improved energy-efficiency and air quality.

The installation of TROX active chilled beams in the UC Davis Health & Wellness Center resulted in a considerably lower energy use than traditional air conditioning systems.

The center reached the university's goal of sustainability while keeping the well-being and health of students a top priority. The building exceeds the UC Regent's Policy for Green Building Design, exceeds California Standard Business Codes (Title 24) by at least 35% and is expected to receive LEED® Silver certification.

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