

California State University Library

Case Study

The new Tanimura and Antle Family Memorial Library, located on California State University, Monterey Bay campus, provides security for the building's contents and occupants, as well as flexibility for its users. Designed by EHDD Architecture of San Francisco, the library is intended to be a crossroads for both intellectual learning as well as social interaction.

To provide a quiet atmosphere—yet one that allows for interaction, assistance and collaboration—EHDD designed a three-story facility, with two intentionally independent wings: the collections wing and the office wing.

Collections wing

The collections wing houses book stacks in the center of the floor and study spaces around the perimeter. This design approach protects the books from harmful UV rays, while providing students with natural sunlight. Additionally, the design saved significantly on construction costs, as only the collections wing required the added expense of reinforced floors to bear the weight of the book stacks.

Office wing

In addition to housing the librarians' office and library staff spaces, the office wing provides space for a unique combination of student services that include writing, tutoring and mentoring programs.



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About EHDD Architecture

EHDD, an architectural firm with a 60-year history, is a national leader in architecture, design and sustainability, with exceptional expertise in libraries and educational facilities, buildings for science and housing, as well as museums, aquariums and zoos for global security markets.



The two wings are connected by a beautiful arched glass atrium. With its natural light and open spaces, it promotes collaborative learning and provides a great place to study on campus.

The Tanimura and Antle Family Memorial Library also features a large open reference area, multiple computer work stations, areas for private study, open collaborative workspaces, two auditoriums and a large community meeting room. All these unique spaces together bring a rich world of information to CSUMB students and the greater community.

Problem

While the library was designed to provide an open and effective environment that supports and enriches student learning, it also needed to be secure without being inconvenient.

Solution

The Tanimura and Antle Family Memorial Library was able to accomplish just that with a complete platform of products from Allegion that included:

Schlage Full Size Interchangeable Cores (FSIC) key system

At the university library, facility maintenance now enjoys the convenience of fast rekeying without having to disassemble the lock if a change is necessary. This feature is particularly useful in public settings where the components of the opening often require a very involved (and timely) disassembly and reassembly process to rekey.

Von Duprin alarmed exit devices

Placed on emergency stairwell doors, these devices – with modern touch bar styling for heavy traffic applications – provide easy egress through the main exits under emergency conditions and prevent theft of materials by sounding off alarms anytime the door is operated.

Von Duprin concealed vertical rod exit devices

The library's main entrance doors incorporate Von Duprin concealed vertical rod exit devices that enhance security when locked, yet allow safe egress. Additionally, door position monitors ensure that entrance doors are securely closed.

Door closers and Schlage electromagnetic locks

The library features smoke evacuation windows designed to protect occupants in case of a fire. And because smoke is the most dangerous element of the fire in this type of building construction, the building includes four atrium exhaust fans that remove smoke when activated by the atrium smoke control system. To provide replacement air, 50 percent of the windows on the first floor and 25 percent of the windows on the second and third floors incorporate door closers and Schlage electromagnetic locks that release when an alarm is activated. The closers are installed so they cause the windows to open and allow fresh air to enter.

Result

A variety of door hardware solutions were integrated into the library to preserve the integrity of the open, collaborative environment while providing security for the building's contents and occupants. University management are able to easily manage the security solutions on an ongoing basis and, best of all, library visitors experience a high degree of flexibility throughout the facility but are assured they are safe and protected.

About Allegion

Allegion (NYSE: ALLE) creates peace of mind by pioneering safety and security. As a \$2 billion provider of security solutions for homes and businesses, Allegion employs more than 8,000 people and sells products in more than 120 countries across the world. Allegion comprises more than 25 global brands, including strategic brands CISA®, Interflex®, LCN®, Schlage® and Von Duprin®. For more, visit www.allegion.com.

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