

Ohlone College Newark Center for Health Sciences and Technology Campus is the nation's first "green" community college campus.



Setting An Example

California college campus shows how environment, safety work together.

By Beverly Vigue

When designers were creating the Ohlone College Center for Health Sciences and Technology Campus in Newark, CA, they kept a close eye on its environmental impact. At the same time, the building's security system was just as futuristic and was designed to maximize convenience while providing a compatible level of protection.

Ohlone College, which was founded in 1967, now enrolls 18,000 students annually at its two campuses in Fremont and Newark, CA. The Ohlone Community College District offers instruction for basic skills, career entry, university transfer, economic development and personal enrichment. Named after the Ohlone Indians of the San Francisco Bay Area, the college strives to emulate Native American traditions by being more environmentally aware in its building and practices, as well as celebrating and promoting cultural diversity.

The college's 140,000 square foot building in Newark represents the culmination of these efforts. Completed in January 2008, it's the nation's first entirely "green" community college campus. It demonstrates and teaches environmental stewardship through sustainable practices

and incorporates resource-efficient features such as photovoltaic solar panels, geothermal heating and cooling, high-efficiency lighting, low water consumption and the extensive use of recycled materials.

Key curriculum includes a highly successful biotechnology program, nursing, health sciences, emerging technologies and environmental studies. Associate Vice President Leta Stagnaro says the new campus is on track to receive Platinum certification from the U.S. Green Building Council for Leadership In Energy and Environmental Design (LEED).

HARDWARE COMBINES SECURITY, CONVENIENCE

As impressive as its green initiatives are, the campus is significant in its security features as well. Security and hardware requirements vary from one college to another, and with the openness of the new campus, the main needs here were for the ability to secure doors during non-operating hours, meet code requirements governing egress and provide for ADA-compliant accessibility.

The result was a decision to use the latest version of Schlage D-Series locks and a Schlage Primus key system for security, combined with Von Duprin 9947 exit devices to meet egress requirements. The classroom doors are equipped with Schlage CL locks that allow teachers to lock their classrooms from inside during an emergency without going out into the hall.

To comply with ADA accessibility guidelines, LCN Senior Swing automatic door operators are used on one door of each bank of exterior doors.

"The whole building has the Schlage Primus Level 3 restricted keyway to give us higher security than a standard keyway and protect against unauthorized duplication," explains Keith Clark, Ohlone College locksmith. "Our plan is to use the Primus keyway for the entire district, so we are able to integrate into the system."

The high security keyway provides added protection for the high-value equipment used in the building, including projectors, laptop computers and various types of scientific equipment.

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Although exterior doors are unlocked during hours of operation, they are equipped with Von Duprin EL99 exit devices with electric latch retraction, which are controlled by proximity card readers to restrict access to authorized users at other times. According to Clark, the Special-Lite entrance doors are Greenguard Certified for indoor air quality. 🔒



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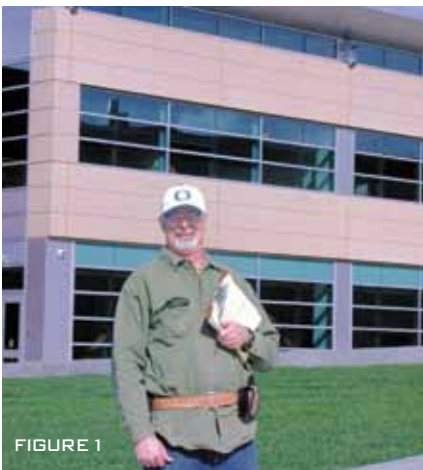


FIGURE 1



FIGURE 2



FIGURE 4



FIGURE 3



FIGURE 5

FIGURE 1

Ohlone College Locksmith Keith Clark is responsible for the access control system at the new building.

FIGURE 2

Exterior doors are equipped with one LCN automatic door operator for ADA accessibility, as well as an LCN door closer on the second door. Von Duprin EL9947 exit devices provide egress, while their electric latch retraction feature allows after-hours access by authorized individuals, using a card reader.

FIGURE 3

Classrooms include easily moveable tables and chairs to allow flexible use. Von Duprin 99 exit device provides egress.

FIGURE 4

Schlage D lever locks with interchangeable cores use Schlage Primus keyways on classroom doors.

FIGURE 5

The access doors in the equipment room are secure from the outside, but Von Duprin 9947 concealed vertical rod exit devices allow emergency egress.