



CASE STUDY

## DEALER SERVICES TECHNOLOGY PROGRAM

ROCK CREEK CAMPUS, PORTLAND COMMUNITY COLLEGE





Providing future generations with high-paying, skilled careers just got a lot easier. Portland Community College's Rock Creek campus has a modern new learning facility designed with all the bells and whistles to accommodate their Dealer Services Technology students.



The LEED® Gold certified structure, built by CBC Steel Buildings Authorized Builder, Robert Evans Company, consists of three single slope custom metal buildings and two lean-tos.

The 60'-4" x 122' shop space includes three 3-ton bridge cranes, two 1-ton jib cranes, and three overhead doors. A 42'-10" x 122' classroom space houses three classrooms with a movable partition, providing for a larger, more flexible learning environment. The classrooms also have specific electrical equipment, projectors, and movable furniture for easily modified learning spaces — all necessary for the specifics of the training program. An open 28' x 122' lean-to and a 20' x 24' mechanical room complete the structure.

The 16,000 sf facility is the center of the ThinkBIG program — a unique partnership between Portland Community College and Peterson Caterpillar®, a trusted seller and service provider of Cat® parts and equipment. Students graduate from the program as certified Caterpillar Dealer Service Technicians.

“The most central element of the project was the shop and classroom spaces for the ThinkBIG program,” explained Ryan Suarez, project executive at Robert Evans Company. “Initial conceptual designs were limited to a shop and three classrooms — an approximately 13,000 sf building. There was a need to have an open space for overhead cranes and overhead doors.”

Robert Evans Company had prior experience from constructing the Peterson Caterpillar building in Hillsboro, Oregon, also a CBC Steel Buildings project, and knew a metal building would be the perfect fit.

“Once Robert Evans was awarded the job, the project changed, and an administration wing was then included, adding about 3,000 sf to the project,” said Suarez. “A pre-engineered metal building, as well as metal roof and wall panels were utilized to be budget conscious, for functionality of the program, and to stay on schedule.”

The Dealer Services Technology building is on the Rock Creek campus on land slated for additional future development. As the first structure



“Our relationship with CBC is appreciated and it’s been mutually beneficial.”



in this area of Portland Community College, the color scheme and design aesthetic sets a precedent.

CBC’s SSII standing seam roof panel in special color Tundra Gray and CBC’s R-Panel wall system in Cool Zinc Gray were utilized, with interior and exterior exposed steel accented by a bright teal color unique to the campus. A -3:12 below-eave canopy by CBC at the entrance of the administration building adds dimension and character to the modern exterior.

“On the administration portion of the building and the classrooms there is a two and half foot CMU wainscot to develop more interest on the metal panels above,” explained Suarez. “The design of the building is more unique than just a shop and classroom due to the way the admin wing is attached.”

The building’s unique shape was created with two offset structures — the admin/classrooms wing and the shop space — providing interest in both engineering and aesthetics. The shop’s design includes clerestories and extra eave height to accommodate cranes and overhead doors, making it a perfect space to teach heavy Cat

equipment maintenance and part replacement. Each classroom features specialized electrical equipment, enhancing the students’ hands-on learning. Outdoor areas for equipment operation training and movement of equipment were a necessary design consideration for the project.

Using recycled materials — a typical CBC building is manufactured from more than 70 percent recycled steel — along with domestically sourced metal contributed to the LEED Gold certification. In addition, solar panels are on the roof of the shop building.

“Our relationship with CBC is appreciated, and it’s been mutually beneficial,” stated Suarez. “It was valuable to breakout the engineering early to understand where there might be complications that would influence the layout of the shop, admin area, or classrooms. From a schedule standpoint, CBC’s efficient estimating and quoting process allowed for an early budget release approval from Portland Community College to order and fabricate the metal building so it could align with the construction schedule. It was onsite a few weeks before we needed it.”



**STEEL BUILDINGS**

a **NUCOR** brand

1700 E. Louise Avenue, Lathrop, CA 95330 | 209.983.0910

[cbcsteelbuildings.com](http://cbcsteelbuildings.com)