

MODULAR BUILDING OF THE MONTH

CHANGING THE WAY THE WORLD BUILDS
GREENER. FASTER. SMARTER.

December

Edmonds School District



Relocatable Education
Under 10,000 Sq.Ft.
FIRST PLACE

Permanent Modular Construction: Portable Classroom

Location: Edmonds, WA

Total Square Feet: 8,064

Time to Complete: 111 days

Company: Pacific Mobile Structures, Inc.

Affiliate: Blazer Industries

These Smart Academic Green Environments (SAGE) were purchased to accommodate the Edmonds School District's increasing elementary enrollment. A total of nine classrooms across five campuses were installed for the 2014-2015 school year. Designed by Portland State University, these buildings exhibit a modern architectural look with large overhangs, exposed ducting and 11' ceilings. The school district was looking for a cost-effective healthy learning environment built with the latest in green building practices. In 2013, the SAGE project was honored with a SEED (Social Economic Environmental Design) Award at the Green build conference in San Francisco.

The SAGE interior features an energy-efficient ERV (energy recovery ventilator) mechanical system, low velocity fans, vaulted ceiling height and continuous dimming luminary lighting. These buildings were also designed to be LEED certifiable. Clerestory windows allow the buildings to be sited to take advantage of the most natural daylighting reducing the amount of energy used on interior lights. Children in these classroom will be exposed to four times more natural light, 100 percent fresh air and 150 percent more air circulation, compared to a regular modular classroom. The buildings incorporate an exterior mechanical room that not only houses the ERV unit but allows the district to enclose a communication IDF (intermediate distribution frame).

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