

MODULAR BUILDING OF THE MONTH

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



Energy Positive Portable Classroom



Permanent Modular Construction: Education

Location: Ewa Beach, CA

Total Square Feet: 1200

Time to Complete: 762 Days

Company: Anderson Anderson Architecture

Innovative Features: The design optimizes photovoltaic roof surface orientation, naturally shaded north-facing daylight glazing and modulated natural ventilation. These forces are balanced with the additional criteria of manufacturing and transport efficiency, functionality for classroom use, low operating costs and ease of maintenance. The manufacturing and delivery process, and the materials and products employed, are all selected for minimum environmental impact and for maximum contribution to a healthy indoor environment. Wherever possible, materials are chosen to conserve resources, minimize initial and lifecycle maintenance costs, and to promote educational awareness of the natural environment and its relationship to comfortable and healthy living. The design focuses on performance issues directly impacting the learning experience of its occupants and the environmental quality of its community—thermal comfort, natural daylighting, indoor air quality, energy, and resource conservation and generation.

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