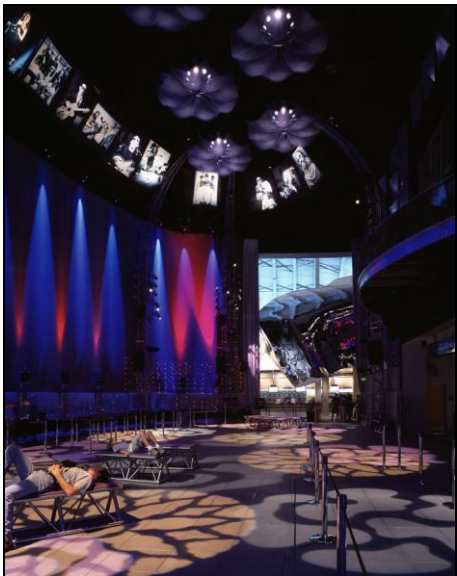


Experience Music Project



BELLINGHAM TECHNICAL COLLEGE CAMPUS CENTER, BELLINGHAM, WA

Project goal is LEED Silver, featuring a condensing boiler, low flow fixtures and sensors, green roof, photovoltaics, demand control ventilation and kitchen hood exhaust (infrared sensors), and efficient kitchen refrigeration equipment. Wind turbines are being considered.

CARKEEK PARK ENVIRONMENTAL RESOURCE CENTER, SEATTLE, WA

LEED Gold certified. Features radiant heating, rooftop rainwater harvesting, and solar electric (photovoltaic) panels provided by Seattle City Light's Green Power program.

EXPERIENCE MUSIC PROJECT, SEATTLE, WA

Features outside air cooling, heat recovery, carbon dioxide and indoor air quality sensors, lavatory and urinal sensors, ozone water treatment.

FIRE STATION 10 REPLACEMENT, SEATTLE, WA

LEED Silver certified. Features green roof, water recovery system, and more efficient HVAC system.

EVERETT COMMUNITY COLLEGE GRAY WOLF HALL, EVERETT, WA

LEED Silver certified. Features operable windows in administrative areas and increased building envelope.

EVERETT COMMUNITY COLLEGE STUDENT FITNESS & HEALTH CENTER, EVERETT, WA

Project goal is LEED Silver; features natural ventilation with operable windows, demand control ventilation, improved building envelope, heat recovery, high-efficiency equipment, enhanced commissioning and refrigerant management.

E. W. AND MARY FIRSTENBURG TOWER, PEACEHEALTH SOUTHWEST MEDICAL CENTER, VANCOUVER, WA

Features two-stage air volume control in medical/surgery patient rooms, heat recovery from the clean steam generator used to preheat make-up water, free cooling throughout the patient tower, and CFD modeling performed for patient rooms to ensure comfort conditions.

GREEN RIVER COMMUNITY COLLEGE SALISH HALL, AUBURN, WA

Project goal is LEED Silver certification. Features natural ventilation in faculty wing, condensing boilers and low-flow fixtures.

HIGH POINT COMMUNITY CENTER EXPANSION, SEATTLE, WA

LEED Silver certified. Features passive/active heating and cooling systems, and plumbing designed for water conservation.



Sammamish Commons



FLOYD & DELORES JONES PAVILION AT VIRGINIA MASON MEDICAL CENTER, SEATTLE, WA

Features two-stage air volume control in patient rooms; heat recovery systems used for service water heating, and adoption of *Green Guide for Health Care* standards during design.

LYNNWOOD HIGH SCHOOL, LYNNWOOD, WA

Features natural ventilation in classrooms, increased insulation, and nighttime purging, as well as sensor-operated faucets and waterless urinals. Recipient of almost \$350,000 in incentive rebates from SnoPUD and Puget Sound Energy; also awarded a \$500,000 grant through the state's High-Performance School Buildings Program.

MUSEUM OF GLASS, TACOMA, WA

No mechanical cooling was required in the hot shop area due to convective cooling and high air change rates; also features heat recovery from the furnaces used to heat domestic water and other building areas, and variable air volume systems in galleries.

NISQUALLY MEDICAL /DENTAL CLINIC (FY08) + ADDITION (FY10), JOINT BASE LEWIS-MCCHORD, WA

LEED-NC v2.2 Gold rating for the FY08 project; Gold rating goal for the FY10 addition. Features condensing boilers, economizer cooling, variable air/speed ventilation equipment, CO₂ monitoring, solar water heating and UVC emitters in the AHUs for efficient operation and improved indoor air quality.

OLYMPIC COLLEGE HUMANITIES BUILDING, BREMERTON, WA

Project goal is LEED Silver certification. Features indirect evaporative cooling and displacement ventilation in auditorium.

P-160 INDOOR WASHRACK, NAS WHIDBEY ISLAND, WA

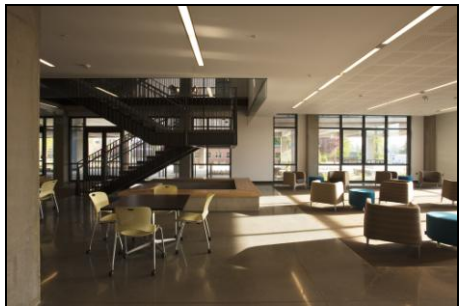
Features low volume, high pressure wash system that uses less water and is more efficient (the wash cycle requires only half the time that was previously necessary), infrared heating system, and HVAC and infrared controls.

P-169 HANGAR 5 RECAPITALIZATION, NAS WHIDBEY ISLAND, WA

Features condensing boilers, high-efficiency condensing water heaters, gas-fired radiant heaters in the hangar bays, low flow fixtures, reuse of a majority of the building, construction waste and construction IAQ management, lighting controls and installation of low-emitting materials.



Everett Community College Gray Wolf Hall



P-301 BACHELOR ENLISTED QUARTERS, NAVAL STATION BREMERON, WA
LEED Certified. Features high-efficiency motors, variable speed drives, and semi-instantaneous water heaters, resulting in an annual savings of 41,000 lbs. of steam per year.

P-348 WATERFRONT SUPPORT FACILITY, BREMERON, WA
Features 100% outside air used to cool and heat the first floor, low flow fixtures, energy performance optimization, carbon monoxide and dioxide monitoring, construction IAQ plans, semi-instantaneous water heaters, and direct exhaust ventilation systems for dedicated copier locations and janitorial storage areas.

PENINSULA COLLEGE SCIENCE AND TECHNOLOGY CENTER, PORT ANGELES, WA
Features geothermal ground coupled heat pumps with underfloor displacement ventilation air distribution and assisted natural ventilation in the connecting spine.

SAMMAMISH COMMONS, SAMMAMISH, WA
LEED Silver certified. Features high efficiency HVAC equipment, high output UVC lights, CO₂ sensors, and water conservation fixtures.

SECTOR SAN FRANCISCO INTERAGENCY OPERATIONS CENTER, YERBA BUENA ISLAND, CA
LEED-NC v2009 Silver. Features economizer cooling, low flow plumbing fixtures, DDC including CO₂ sensors and utility monitoring, and high-efficiency filtration.

SEATTLE PUBLIC UTILITIES OPERATIONS COMMAND CENTER UPGRADE, SEATTLE, WA
LEED-CI Gold certified. Features water use reduction, equipment efficiency, appropriate zoning and controls, enhanced commissioning, ventilation and thermal comfort compliance and monitoring. Innovation credit for UVC lighting, contributing to IAQ improvements.

SOUTHWEST COMMUNITY CENTER ADDITION AND RENOVATION, SEATTLE, WA
Features non-underfloor displacement ventilation and indirect/direct evaporative cooling.

SWEDISH ORTHOPEDIC INSTITUTE, SEATTLE, WA
Features two-stage air volume control in surgeries and patient rooms, and a mockup of the slot diffuser was created to guarantee comfort in patient rooms. *Green Guide for Health Care* standards were implemented during design decisions.



UW William H. Foegen Building



Swedish Orthopedic Institute

UW WILLIAM H. FOEGE BUILDING, SEATTLE, WA

Features runaround heat recovery in addition to variable air volume for laboratory air handling systems, high efficiency chillers with variable frequency drives, variable frequency drives on chilled water secondary and heating water pumps, CO₂ sensor in auditorium to control outside air ventilation, and waterless urinals.

UW MICHAEL G. FOSTER SCHOOL OF BUSINESS: PACCAR HALL, SEATTLE, WA

LEED-NC v2.2 Gold rating. Features displacement ventilation in the tiered classrooms, indirect evaporative cooling in conjunction with displacement ventilation in the café and atrium, highly efficient magnetic bearing chillers, external window shading and low flow water fixtures.

WSU BIOTECHNOLOGY/LIFE SCIENCE BUILDING, PULLMAN, WA

Features indirect evaporative cooling and chilled water at the laboratory air handling units with integrated air-to-air heat recovery.