



**Design Team**

Architecture & Planning

Client

Energy Studies

Structural Engineer

MEP Engineer

Lighting Design

Telecommunications

Acoustics

General Contractor

SRG Partnership, Inc.

PSU School of Fine and Performing Arts

Energy Studies in Buildings Laboratory

Catena Consulting Engineers

PAE Consulting Engineers

Luma Lighting Design

MLC Engineering

Listen Acoustics

Howard S. Wright Constructors

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SHATTUCK HALL  
PORTLAND STATE UNIVERSITY



1. The structure and mechanics of the building are left exposed.
2. An accessibility ramp and sliding tack panels create a dynamic critique space.
3. View from the South Park Blocks within PSU campus.
4. The Department of Architecture reception and reading room features custom steel/glass doors that pivot to facilitate events and gatherings.
5. Architecture studios with radiant ceiling panels and natural light.



1.

2.

4.

3.

Shattuck Hall, built in 1915 as an elementary school, is the second oldest building on the Portland State University campus; today it houses the Department of Architecture facilities, including studios for the University's new Master of Architecture program. The renovation of 66,000 sf Shattuck Hall, which originated as an upgrade to seismic, mechanical and electrical systems, leveraged a limited budget to address growing program needs and create a state-of-the-art building that juxtaposes historic fabric with sustainable innovation.

The renovation seeks to maintain the original building's integrity, showcasing a theme of "systems on display" and the ways materials are crafted to serve as visible teaching tools. Building upgrades leave new and original assemblies

and systems intentionally exposed, as evidenced by the original 1915 ductwork. This ductwork is completely reutilized to cool the building via night flushing in conjunction with natural ventilation, ceiling fans and the largest West Coast installation of radiant heating and cooling ceiling panels. The latter, a hydronic heating/cooling system, pumps in water year-round that is heated or cooled to 62 degrees as the building demands.

### RENOVATION

Throughout the building, original elements remain intact amidst modern-day upgrades. Exposing the existing reinforced concrete structure and inserting seismic shear walls opened up the original layout, meeting requirements for more open student interaction while fulfilling seismic upgrade goals. The

renovation preserved the building's 19th-century neoclassical brick façade, as well as the operable windows the users had for years perceived as inoperable. Daylighting was restored to previously concealed parts of the building, and disabled access was created to the roof terrace and studio spaces.

### REINVENTION

Sustainable features include new waterless urinals and low-flow fixtures, occupancy-sensor lighting, time clock shut-offs, daylight sensors and a new telecom distribution network. Seeking LEED Gold certification, the project is expected to pay for itself over the next 20 years.

Because of its original design as an elementary school, Shattuck Hall contained many dark, enclosed

classrooms hindering interaction among today's architectural students. The project team removed walls, installed skylights and reinstated light well windows to increase daylight penetration. Even the first floor, which contains model-making, wood, metal and casting shops as well as a digital media lab, incorporates natural light by reintroducing a previously blocked skylight to funnel daylight down to the lowest level.

This project also addressed the challenge of Shattuck Hall's Annex building, originally the school gymnasium and lost by subdivision into University offices. Removing a mezzanine floor returned the Annex to a single, voluminous multifunction space which presents academic programs to SW Broadway while promoting the University's urban face.