University of Washington

Computer Science & Engineering Building II
PROJECT GOALS

• Create a Unified Complex for Computer Science & Engineering
• Provide Qualitative Parity
• Foster Collaboration Among Faculty, Students and Staff
• Enhance the Sense of Community for CSE Undergrads
• Provide Flexible Instructional and Research Spaces
• Maximize Natural Daylight
• Create Multiple Secure Zones
• Enhance Campus Connections & Landscape
Campus Landscape Framework

Landscape Mosaic

Existing Circulation - Radial Axes

Circulation Mosaic

Existing Circulation - Concentric Edges
Mechanical Engineering
More Hall
Paul G. Allen Center
Power Plant
- **PAUL G ALLEN CENTER**
- **ELECTRICAL ENGINEERING**
- **MECHANICAL ENGINEERING**
- **ENGINEERING ANNEX**
- **POWER PLANT**
- **E Stevens Way NE**
- **Burke Gilman Trail**
- **HEC ED Bridge**
- **Civil Testing Yard**
- **Oil Tank**
- **Snohomish Lane**
- **MIN. 40' OFFSET FROM EXISTING BUILDINGS**
- **15' REQUIRED OFFSET FROM TANK**
- **EXISTING MORE HALL ANNEX**
- **MORE**
- **MUeller**

**Notes:**
- The map indicates specific offsets and distances required from existing buildings and structures.
- The layout includes pathways, entries, and additional facilities.
Expressed North + South Skins

Expressed North + South Program Elements
Solar Radiation on Vertical Building Facades

Cooling load dominated months, June - September

West and North Elevations

East and South Elevations
Solar Radiation on Vertical Building Facades

Cooling load dominated months, June - September

West and South Elevations
Current Plan - Majority Offices on North

Offices on North

Offices on South

Majority of Offices on South
Majority Offices on North
Interactive Program Mix
Exterior Shading Depth: Radiation Analysis

- Solar Shade - 0.5' Depth
  June 1st to Sept 1st
  14.0% Solar Radiation Decrease

- Solar Shade - 1.0' Depth
  June 1st to Sept 1st
  27.0% Solar Radiation Decrease

- Solar Shade - 1.5' Depth
  June 1st to Sept 1st
  36.0% Solar Radiation Decrease

- Solar Shade - 2.0' Depth
  June 1st to Sept 1st
  48.0% Solar Radiation Decrease

6" Depth  24" Depth
Views from South Facade

Lake Grove

Grove

Lake
Optimized Shading and Views on South Facade

Office

Max. Depth for Shading

Min. Depth for View

View to Lake

Max. Sun

NORTH
South Facing: 18” Depth

North Facing: 6” Depth

Shaped Pilaster
Shingled
Shingled

Wall Assembly Plan View

- Folded Metal Panel Type A
- Folded Metal Panel Type B
- Folded Metal Panel Type C
- Folded Metal Panel Type D
- Typical Window Unit
Shingled
Shingled
Shingled
Brick
Inset
Pleated
Pleated
Textured
South Facade

- Copper Trim
- Structural Brick
- Inset Windows

North Facade

- Copper Trim
- Structural Brick
- Flush Windows