Naval Architecture Building Restoration and Addition

Berkeley

Grounds & Buildings February 3, 2009
Naval Architecture Building

- Example of Bay Area shingle style designed by John Galen Howard in 1914
- On the National Register of Historic Places
- Located in the northeast quadrangle of campus, adjacent to Northgate Hall and the new CITRIS building
- Three story building, ~11,000 gsf
- Rated seismically poor, not ADA accessible above ground level
Project Purpose

• Restore the NAB as a vital contributor to the campus’ academic life

• Create a home for the Blum Center for Developing Economies and for the Department of Systems Innovation and Engineering (SIE)

• Knit together the buildings in the area and foster academic collaboration through the landscape design
Project Description

- Restore the historic NAB according to the Secretary of the Interior standards
- Perform seismic and life safety upgrades to the NAB
- Construct a ~13,000 gsf addition
  - 2,800 gsf new basement to the NAB
  - 8,100 gsf new wing forming an L with the NAB
  - 1,900 gsf in a “podium” connecting the two wings
- Create a two-level exterior plaza as an “intersection” among neighboring Engineering buildings
- Silver LEED certification
Site Plan

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South Elevation

NEW WING
BRIDGE
NEW TERRACE
EXISTING NAB

NEW PLAZA
PODIUM ADDITION
View from the South

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West Elevation

EXISTING NAB

NEW WING

CITRIS BUILDING

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East Elevation (New Wing)

BRIDGE

PODIUM ADDITION

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Landscape Plan

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Section Cut

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Building Section (West-East)

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Building Materials

- ASPHALT SHINGLE ROOF
- METAL DECK CEILING AND SOFFIT
- ALUMINUM SUN SHADES
- INSULATED GLAZING UNITS WITH ALUMINUM FRAME
- FSC - CERTIFIED CEDAR WOOD PANELS
- CEMENTITIOUS BASE

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Plaza Level Floor Plan

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Level 02-02A & 03A Floor Plans

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### Key metrics

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<thead>
<tr>
<th></th>
<th>GSF</th>
<th>ASF</th>
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<tbody>
<tr>
<td>New construction</td>
<td>13,010</td>
<td>8,070</td>
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<td>Renovation</td>
<td>10,918</td>
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<td><strong>Total project</strong></td>
<td>23,928</td>
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<td>Efficiency</td>
<td>68%</td>
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<td>Cost per square foot</td>
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Discussion

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