

Naval Architecture Building Restoration and Addition

Berkeley



Site Map

Project Site



Naval Architecture Restoration and Addition
Berkeley



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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Hearst Avenue Elevation (North)

CITRIS BUILDING

EXISTING NAB

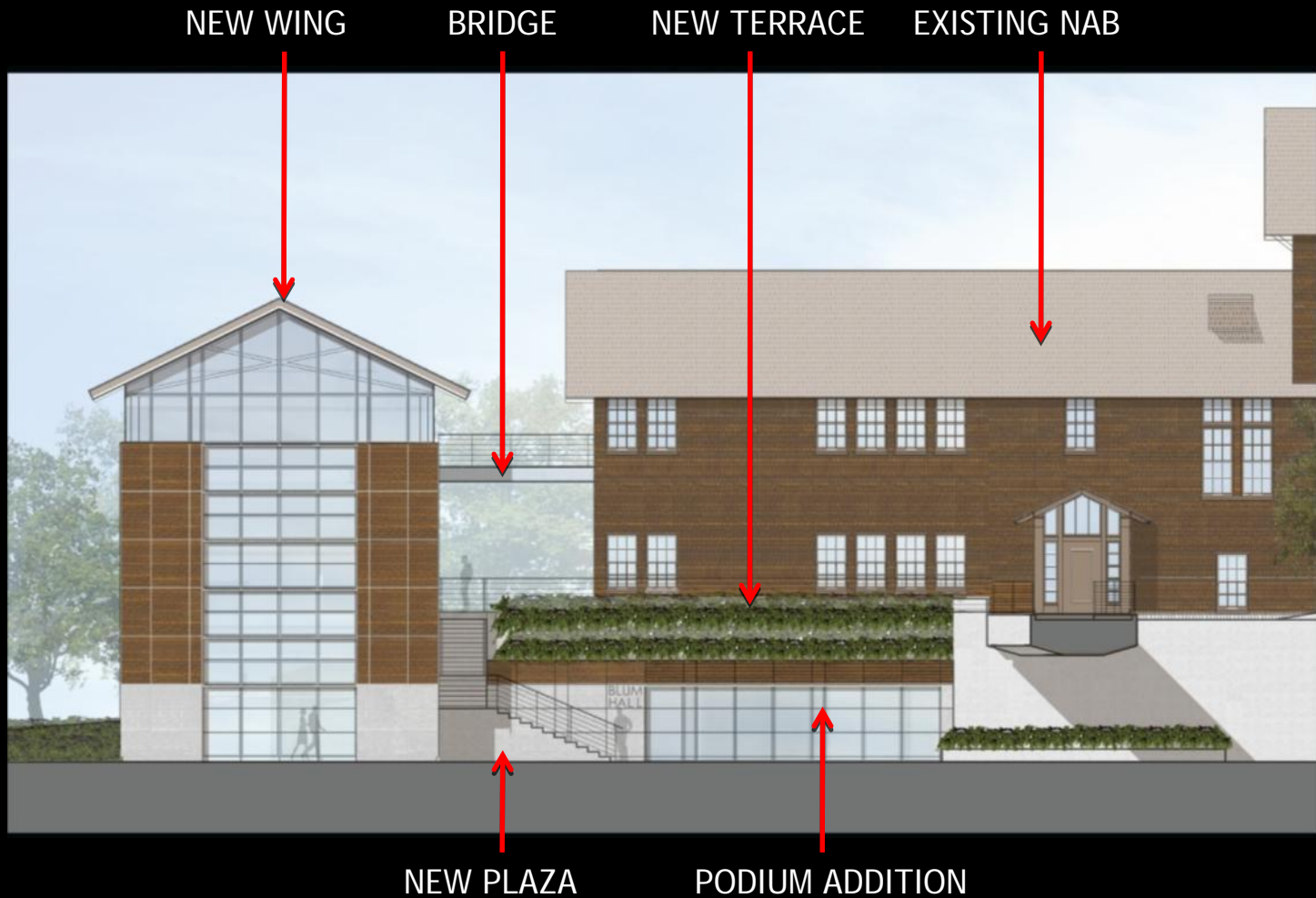
NEW WING

NORTHGATE HALL



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South Elevation



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View from the South



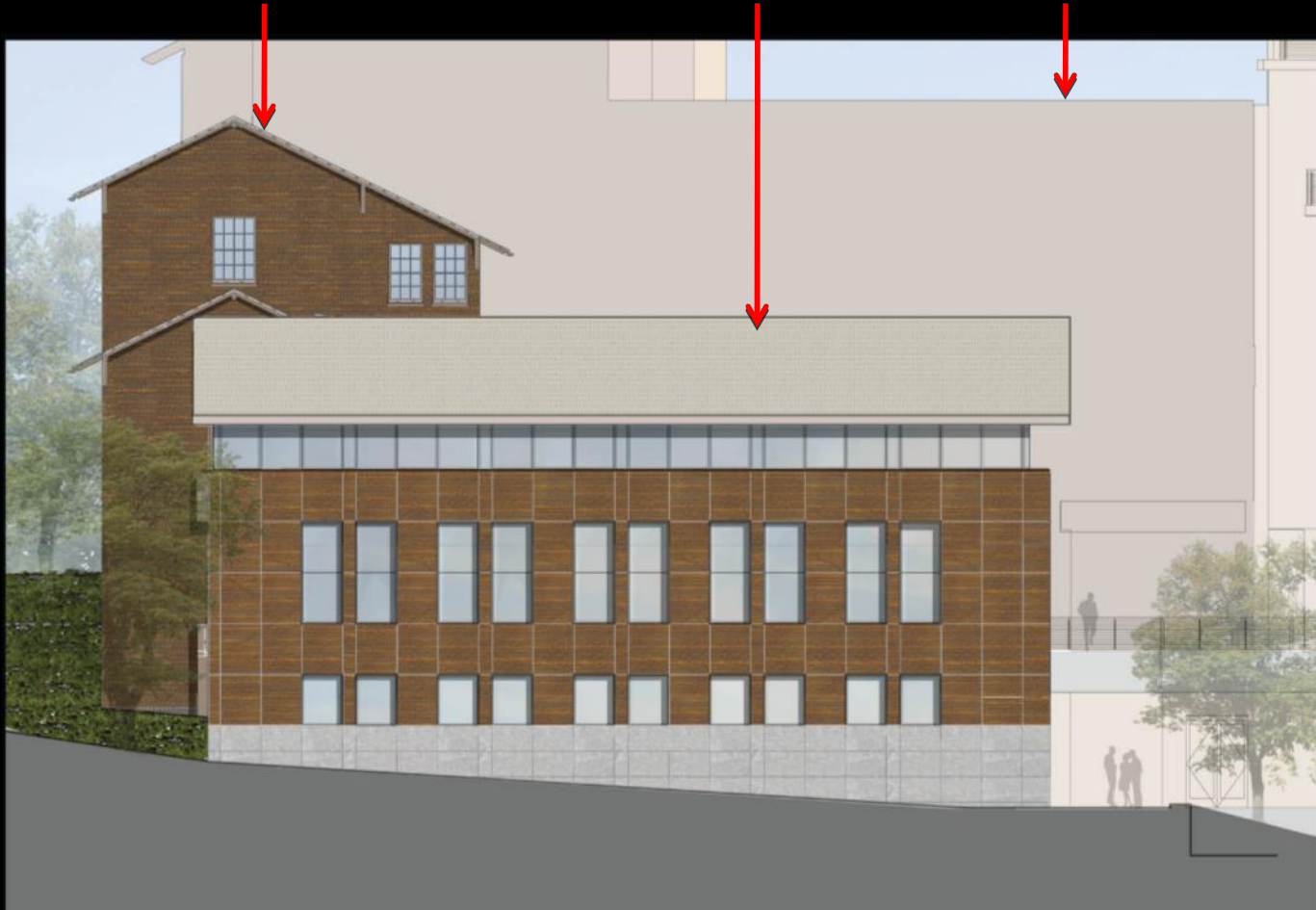
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West Elevation

EXISTING NAB

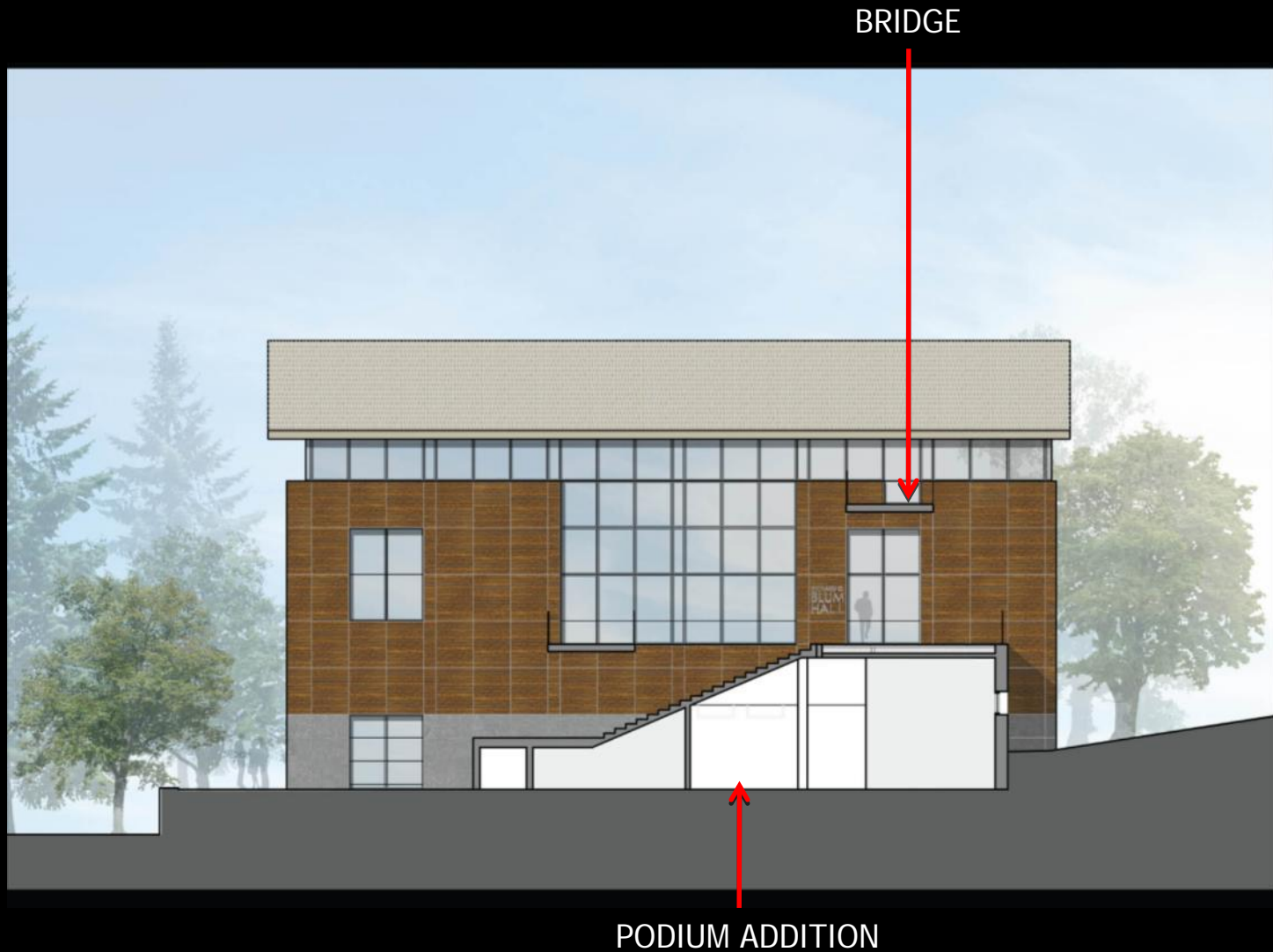
NEW WING

CITRIS BUILDING



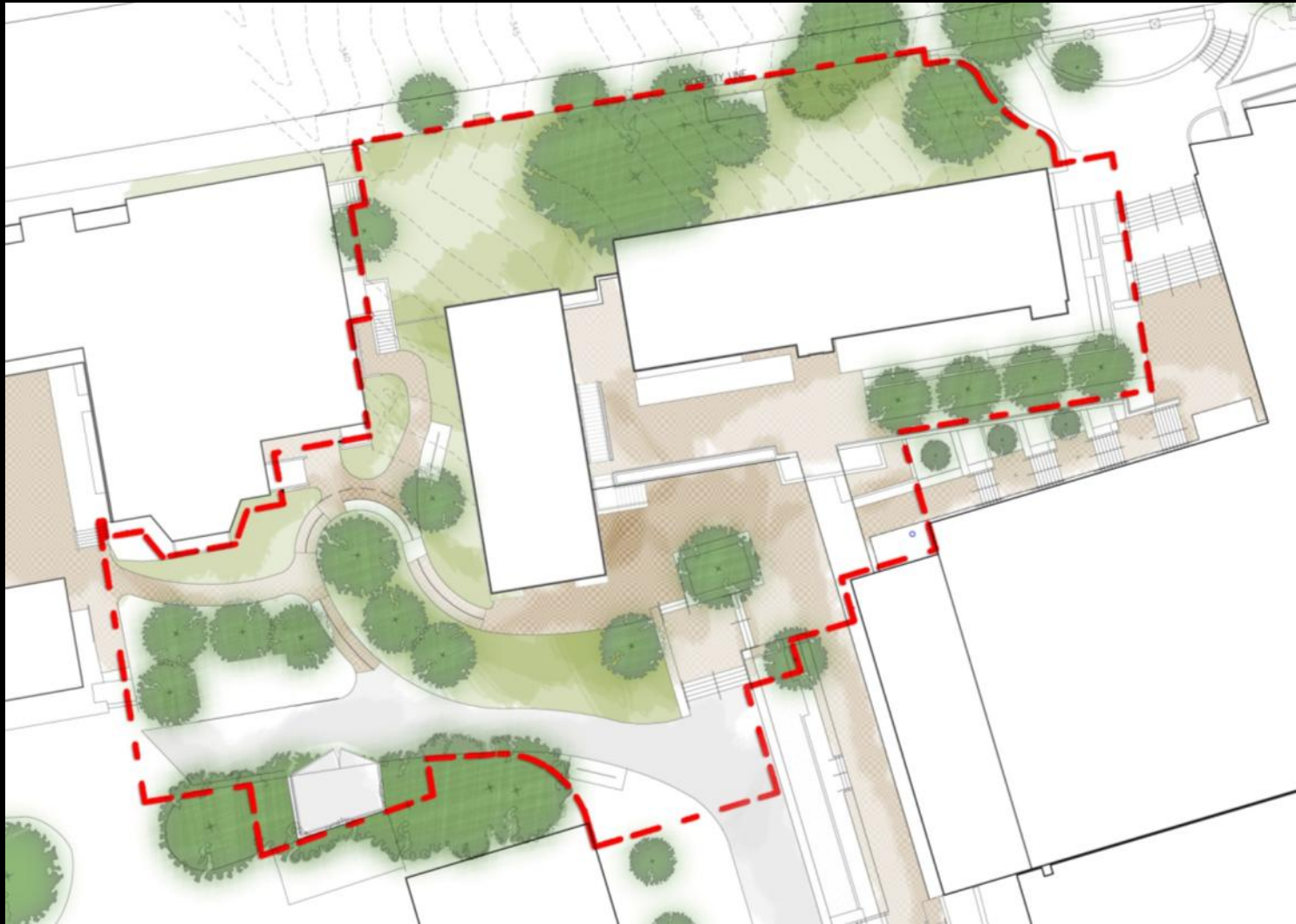
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East Elevation (New Wing)



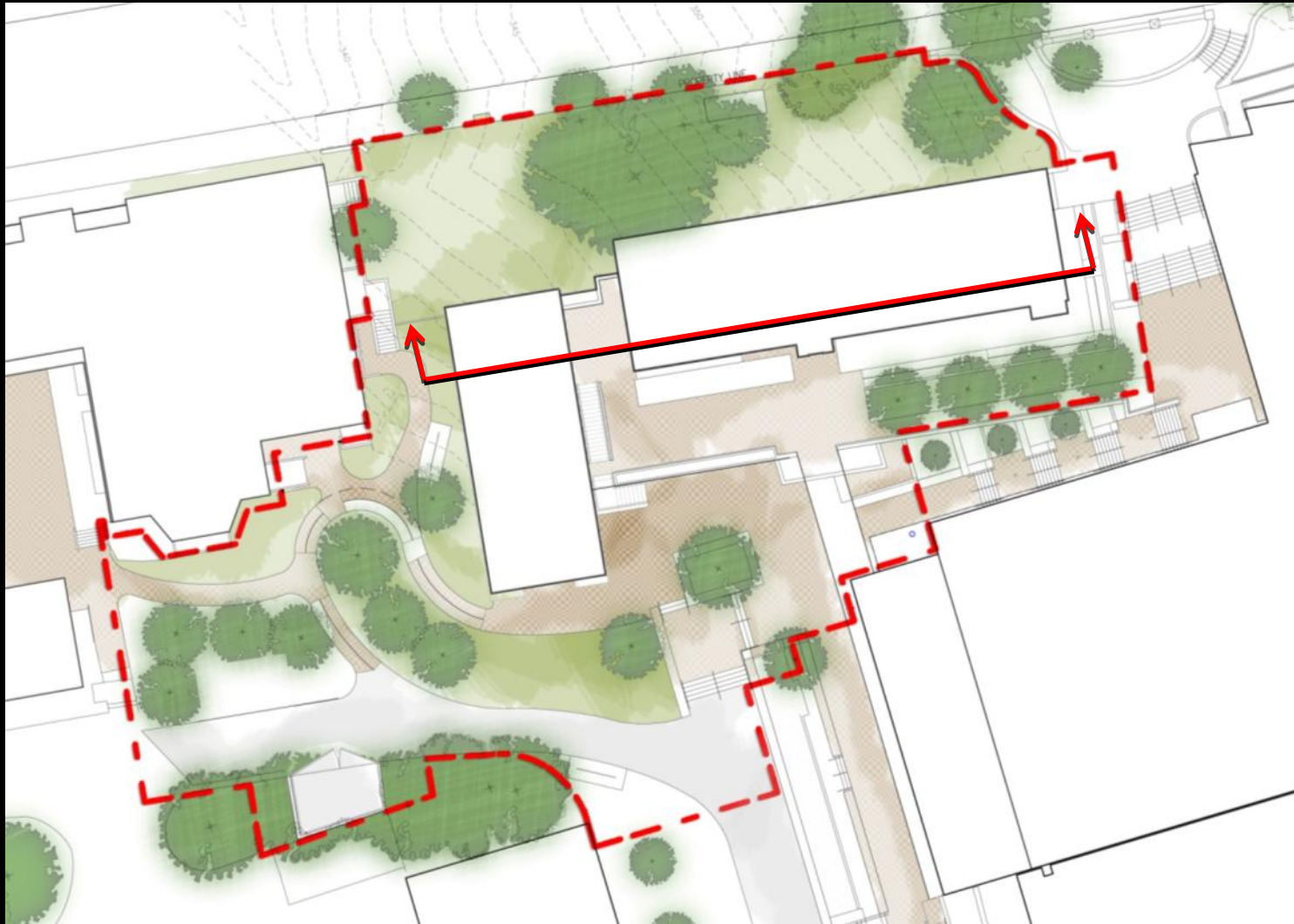
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Landscape Plan



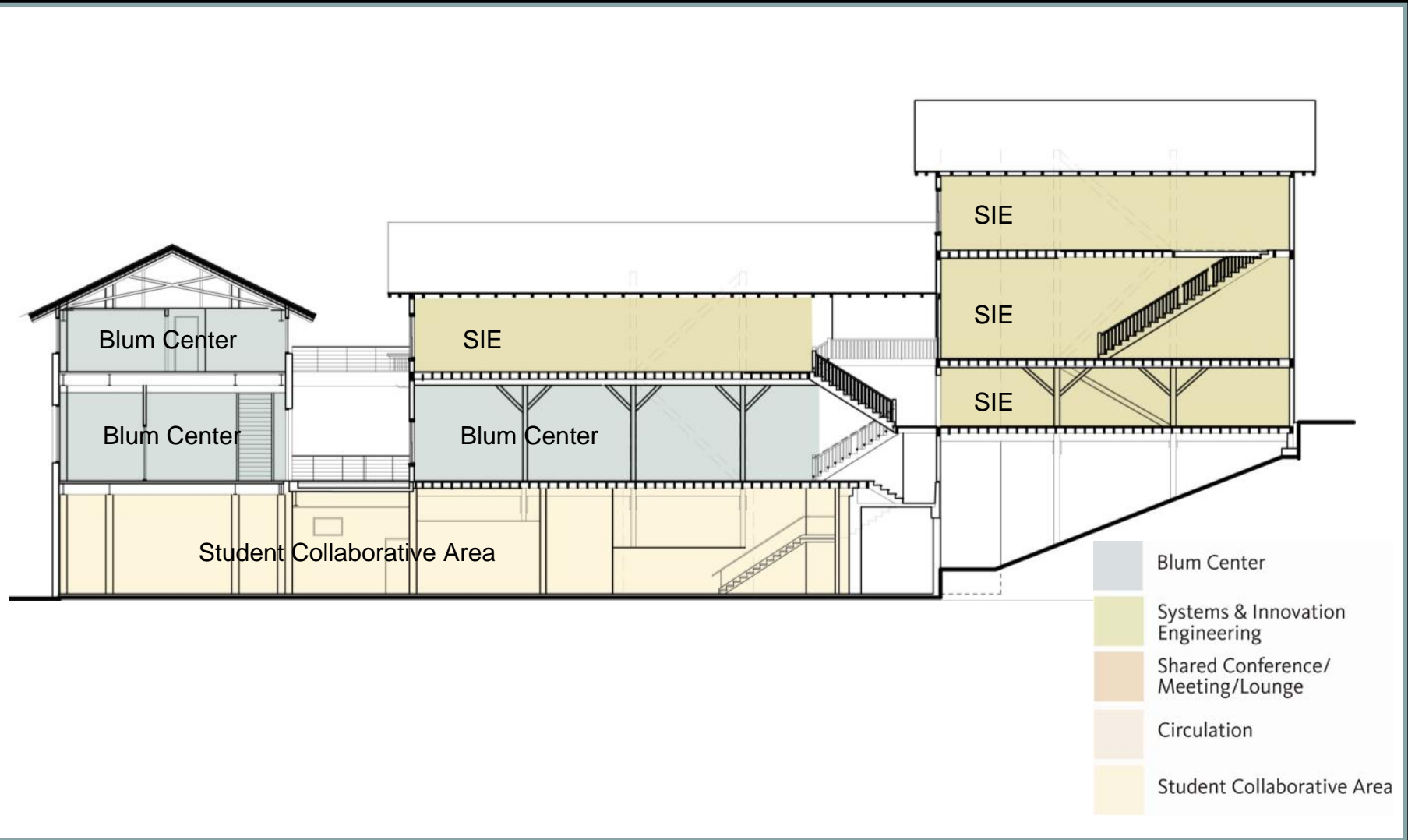
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Section Cut



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Building Section (West-East)



Building Materials

ASPHALT SHINGLE ROOF

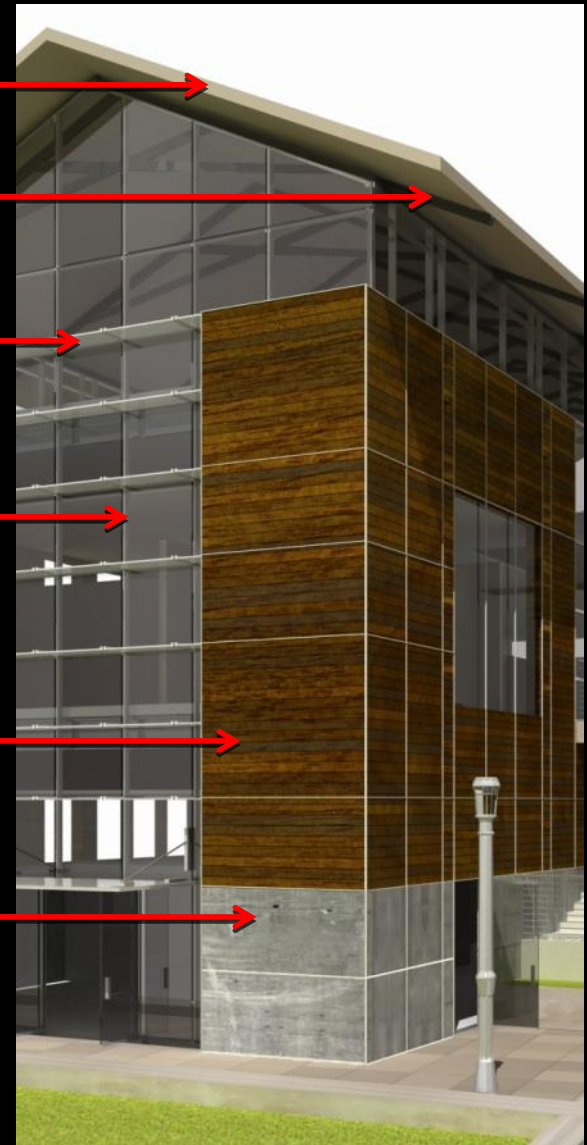
METAL DECK CEILING AND SOFFIT

ALUMINUM SUN SHADES

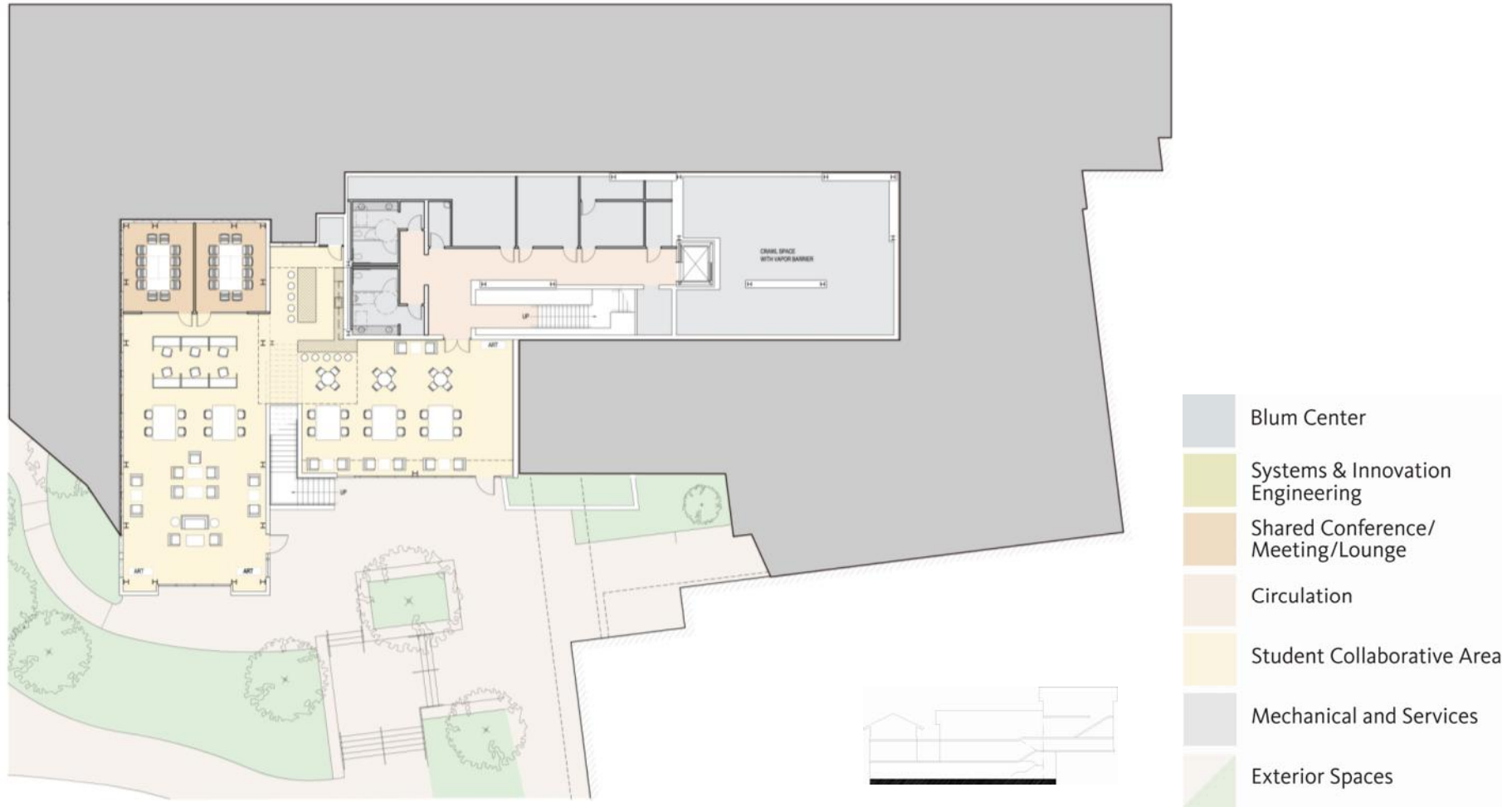
INSULATED GLAZING UNITS WITH
ALUMINUM FRAME

FSC - CERTIFIED CEDAR WOOD PANELS

CEMENTITIOUS BASE



Plaza Level Floor Plan



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Level 01-01A Floor Plan



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Level 02-02A & 03A Floor Plans



- Blum Center
- Systems & Innovation Engineering
- Shared Conference/ Meeting/Lounge
- Circulation
- Student Collaborative Area
- Mechanical and Services
- Exterior Spaces

Key metrics

	GSF	ASF
New construction	13,010	8,070
Renovation	10,918	8,173
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Total project	23,928	16,243
Efficiency	68%	
Cost per square foot	\$669	

Discussion