

2012 Exhibition of School Planning and Architecture

Community and Student Services Center | *Chabot College*

Hayward, CA

Project of Distinction – New Construction
Institutions of Higher Education
tBP/Architecture

Community and Student Services Center | *Chabot College*

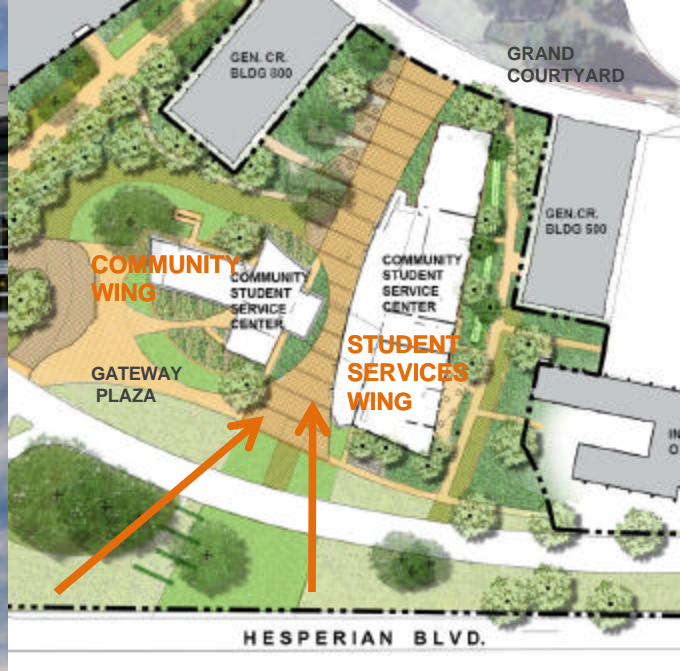


LEED Platinum Certified

Community Beacon

Community Environment:

The Community and Student Services Center creates a new welcoming gateway to the Chabot Campus. It's siting and form completes the campus frontage, defines a public plaza, and creates a pedestrian thoroughfare, opening the campus core to the Hayward community.



Community Rooms

Community Environment – Continued:

Goals of the 2005 Campus Facility Master Plan to be addressed by the Building were:

- Provide a welcoming gateway to the community
- Create a window for the community to view the central heart of the campus; the “Great Quad”
- Building reflects the College’s forward thinking attitude
- Provide interior and exterior community event space
- Provide locations for community based student organizations such as Darja, Puente, etc.
- Provide a Career Resource Center to foster business-student partnerships



Central Atrium

Learning Environment:

The facility consolidates dispersed student services into a one-stop center. The 2-story atrium engages the public plaza drawing visitors in to discover a variety of service and information counters, flexible study lounges, counseling offices and resource areas. The innovative design "breaks-down barriers" between traditional department silos to create a welcoming student focused environment that offers consistent, integrated services to support student success.



Accommodates a Variety of Students

Learning Environment - Continued:

Students have the option to register and request appointments at the central information center or online, either at home or in the CSSC at a stand-up station, computer lab environment or 3 other locations within the building. A primary goal of the building is to allow various types of students to register for classes in a way that is simple, clear and comfortable for each type of student. The building is supported by a robust flexible infrastructure that can be adapted to support student success over the life of the building.

The central atrium space and related adjacent outdoor courtyards reflect the College's commitment to creating student gathering spaces of varying sizes that encourage learning to happen, anytime, anyplace, anywhere.



Campus Gateway

Physical Environment:

The building's location and goal to be the "campus gateway" derived to curve as the campus buildings curve and shaped to encourage investigation by the community and students. The shape of the building also acts to strengthen several outdoor spaces, from the public plaza to the landscaped central quad, to the faculty garden.

The indoor/outdoor relationship of the building to it's site is further strengthened by the College's vision to create a space, termed the "central atrium", that links the community to the campus and vice-versa, that immediately orients a visitor or student to the services that are offered and inform the visitor how to take advantage of those services.



Central Courtyard

Physical Environment - Continued:

The gently curved, glass enclosed space is a naturally ventilated two story space that serves to bridge the community to the campus. At night the glowing light emanating from the crystalline space renders it a community beacon.

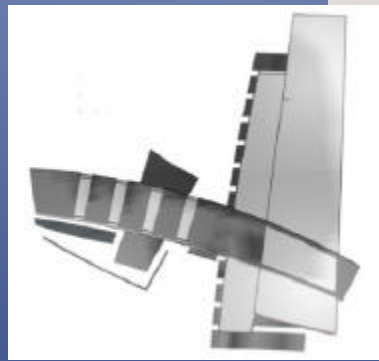
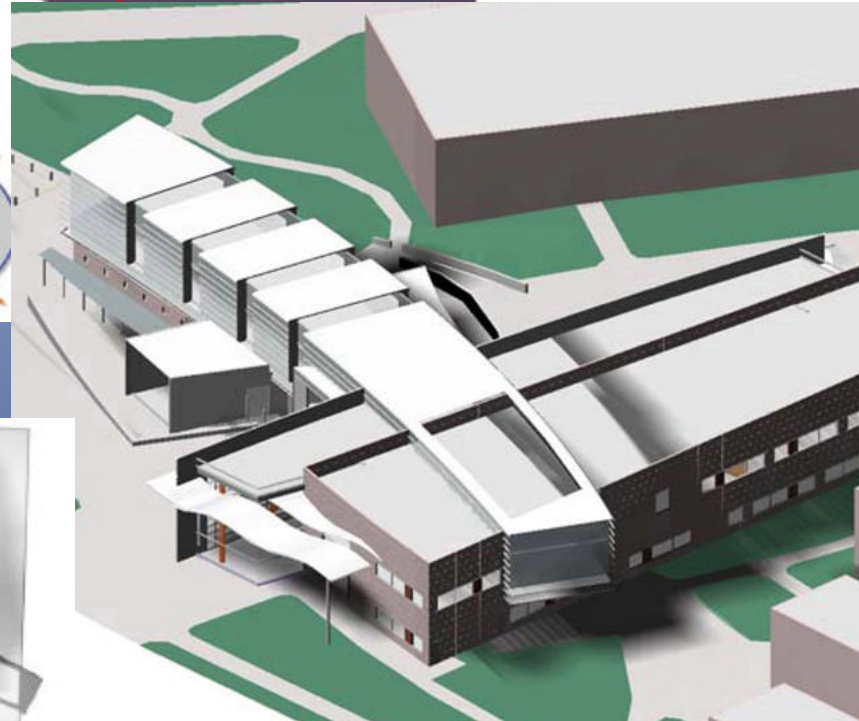
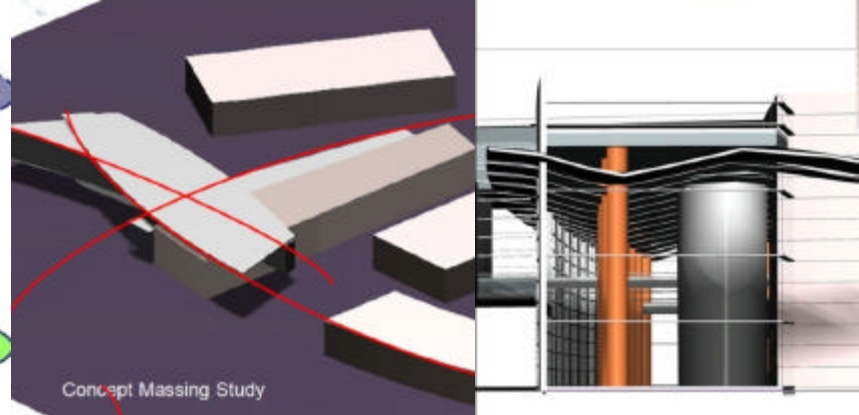
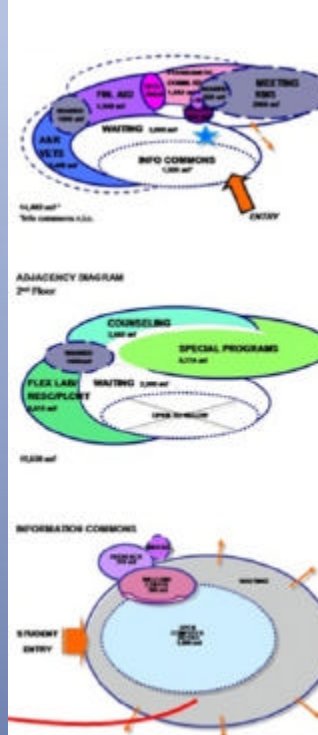
The project **received LEED Platinum Certification** and employs numerous innovations. The naturally ventilated atrium is the highlight of sustainability for the campus with its recycled-glass, terrazzo radiant heating + cooling slab, roof-mounted wind scoops, and solar-activated electro-chromatic clear glass designed to reduce solar heat gain. The atrium will contain exhibits designed around educating visitors of the project's sustainable innovations.



Design Studies

Planning Process:

An extensive programming and planning investigation was embraced by the College to create a collective understanding of the future of the delivery of student services. Tours were tailored around innovative alternative delivery environments, both collegiate and non. The initial process created a 'think different' mode embraced and championed by the key stakeholders. The vision that evolved focused entirely on a one-stop student-centric service-delivery facility.



Inclusive Process

Planning Process - Continued:

A series of on-campus “charettes” were held with the key project stakeholders, including staff, students, and administrators. Site, building, and landscape opportunities were explored, multiple concepts were evaluated, one was developed and refined with both the project committee and the campus’ facility committee.



Exhibition of School Planning and Architecture Project Data

Submitting Firm :	tBP/Architecture, Inc.
Project Role	Architect
Project Contact	Thomas Beckett OR Philip Newsom, Architect
Title	Project Manager
Address	1000 Burnett Avenue #320
City, State or Province, Country	Concord, CA, USA
Phone	(925) 246-6419

Joint Partner Firm:	
Project Role	
Project Contact	
Title	
Address	
City, State or Province, Country	
Phone	

Other Firm:	
Project Role	
Project Contact	
Title	
Address	
City, State or Province, Country	
Phone	

Construction Firm:	Roebbelen Contracting, Inc.
Project Role	Contractor
Project Contact	Sean Honegger
Title	Senior Project Manager
Address	1241 Hawks Flight Court, Suite 100
City, State or Province, Country	El Dorado Hills, CA, USA
Phone	(916) 939-4000

Exhibition of School Planning and Architecture

Project Details

Project Name	Community and Student Services Center Chabot College
City	Hayward
State	California
District Name	Chabot-Las Positas Community College District
Supt/President	Celia Barberena, PhD, <i>President</i>
Occupancy Date	November 2010
Grades Housed	Community College
Capacity(Students)	Accommodates College population of 15,000
Site Size (acres)	5.5 acres
Gross Area (sq. ft.)	55,258 sq. ft.
Per Occupant (pupil)	NA
gross/net please indicate	55,258 GSF/35,918 ASF; Efficiency Factor 65%
Design and Build?	No
If yes, Total Cost:	
Includes:	
If no,	
Site Development:	Included in Building Cost
Building Construction:	\$28,801,302
Fixed Equipment:	
Other:	\$4,198,698
Total:	\$33,000,000

Sustainable Design

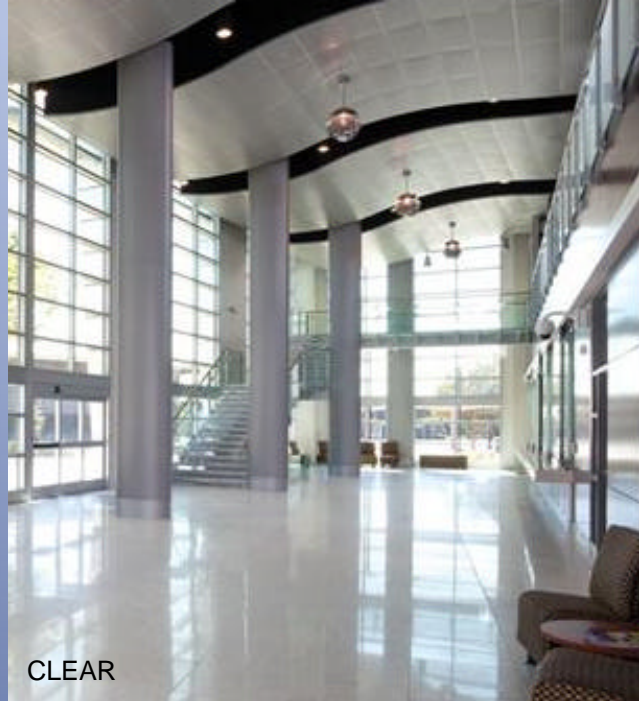
LEED Platinum Certified

Energy Efficient Solution:

The building's centerpiece of sustainability is the Central Space: A naturally ventilated atrium with radiant floors and the largest installation of electro-chromatic glass on the West Coast. The project features both an Energy Star Compliant roof and light colored paving to mitigate the heat island effect. Its HVAC system is tempered by a new efficient central plant constructed on the other side of the campus. The building has also been modeled using ASHRAE 90.1 - 2004 and exceeds Title 24 requirements by 46.2%.

On-Site Renewable Energy:

The CSSC receives power from 1 megawatt of Photovoltaic panels on the roof and at adjacent parking lot. These panels provide 21.74% of the buildings energy needs.



CLEAR



TINTED









