

A Tribute to Achievement and Excellence

2016 SCUP Awards Winners

The society's 2016 awards program recognizes and applauds individuals and organizations whose achievements exemplify excellence and dedication in integrated planning for higher education.



A Tribute to Achievement and Excellence: 2016 SCUP Awards Winners

Society for College and University Planning

www.scup.org

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ABOUT THE SOCIETY FOR COLLEGE AND UNIVERSITY PLANNING (SCUP)

The Society for College and University Planning is a community of higher education planning professionals that provides its members with the knowledge and resources to establish and achieve institutional planning goals within the context of best practices and emerging trends. For more information, visit www.scup.org.

WHAT IS INTEGRATED PLANNING?

Integrated planning is a *sustainable approach* to planning that *builds relationships, aligns the organization, and emphasizes preparedness for change*.

On the cover: Photograph of Seton Hill Arts Center; this project won the SCUP 2016 Merit Award for Excellence in Architecture for a New Building. Read about the project on page 46. Image courtesy of Jonathan Hillyer.

Back cover: Photograph of The Lofts of Washington University; this project won the SCUP 2016 Honorable Mention Award for Excellence in Architecture for a New Building. Read about the project on page 54. Image courtesy of Tom Paule Photography.

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Introduction

AWARDS PROGRAMS RECOGNIZE AND APPLAUD individuals and organizations whose achievements exemplify excellence and dedication to provide learning opportunities for everyone whose lives and passions involve higher educations.

Achievements and excellence of individuals, institutions and organizations are recognized through SCUP awards programs.

The **Distinguished Service Award** recognizes exceptional contributions to the activities and success of the society. Recipients are nominated and selected by the SCUP Board of Directors on the basis of their contributions to SCUP, length of service, and commitment to its purposes, goals and activities.

The **SCUP Excellence in Planning, SCUP Excellence in Landscape Architecture and SCUP/AIA-CAE Excellence in Architecture program** began in 2000. Submittals are made by an institution and consulting firm(s) as a team. The ability to evaluate the why and how these plans, facilities, additions, renovations, landscapes, and individuals are worthy of recognition is key to providing clear lessons learned in planning. They are some of the best ways SCUP has to concretely show how the application of all our planning tools in the institute result in exemplary buildings, grounds, institutional success, and careers that inspire.

2016 SCUP Distinguished Service Award Recipients

The SCUP Planning Institute Concept Team

Since 1989, the Distinguished Service Award (DSA) has recognized exceptional contributions to the activities and success of the society. This year's DSA recipients are the members of the original concept team that created the Planning Institute (PI).

In summer and fall 2002, a SCUP task force met to discuss SCUP's mission for member education and how the Professional Development Committee could assist with that charge. The task force members discussed the challenges of building an institute, and the importance of articulating the body of knowledge that represents a sound foundation for all higher education planners.

In development of the PI, the task force reviewed the SCUP archives—committee recommendations, SCUP conference workshop materials including *Planning and Planning Processes for Persons New to the Field* (managed by Ray Haas for 30 years), and ideas from the Knowledge Task Force discussion in 2000.

The genesis of the PI also evolved from an early important collaboration with the American Council on Education Fellows Program.

What emerged was an integrated, multi-step Planning Institute that has become a SCUP hallmark of innovation. Since its inception in 2003, it has evolved through the effort and insights of many more contributors and designers as the need for planning higher education has become more complex and essential. To date, there are 531 Planning Institute alumni.

By bestowing this award, the SCUP Board of Directors honors and recognizes the work of the original PI concept team for their foundational work in this SCUP initiative.

SARAH A. BEAMER

Director of Finance and Administrative Services, Mount Rogers Community Services Board, Wytheville, VA

NIRAJ DANGORIA

Associate Dean, Facilities Planning and Management, Stanford University, Stanford, CA

FRAN GAST

Retired Planner, Santa Rosa, CA

RAYMOND M. HAAS

Professor Emeritus, University of Virginia, Charlottesville, VA

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President, Dober Lidsky Mathey, MA

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Formerly Assistant Director, Facilities Planning & Construction, University of Delaware, Newark, DE

BRIAN NEDWEK

Higher Education Consultant, Avon Lake, OH

NANCY TINKER (DECEASED)

Formerly Director of Facilities Management and Planning, Eastern Connecticut State University, Willimantic, CT

KAREN [BAUER] WEBBER

Associate Professor of Higher Education, and Associate Professor, Institute of Higher Education, The University of Georgia, Athens, GA

L. CAROLE WHARTON

Retired Planner, Daytona Beach, FL

2016 SCUP Excellence Awards Recipients

HONOR AWARD FOR EXCELLENCE IN PLANNING FOR A DISTRICT OR CAMPUS COMPONENT

CAMPUS QUERETARO

Instituto Tecnológico de Monterrey, Mexico for the Campus Queretaro with Sasaki Associates, Inc.

JURY COMMENTS

“... they are thinking innovatively ... great diagrams ... trumps other projects ...”

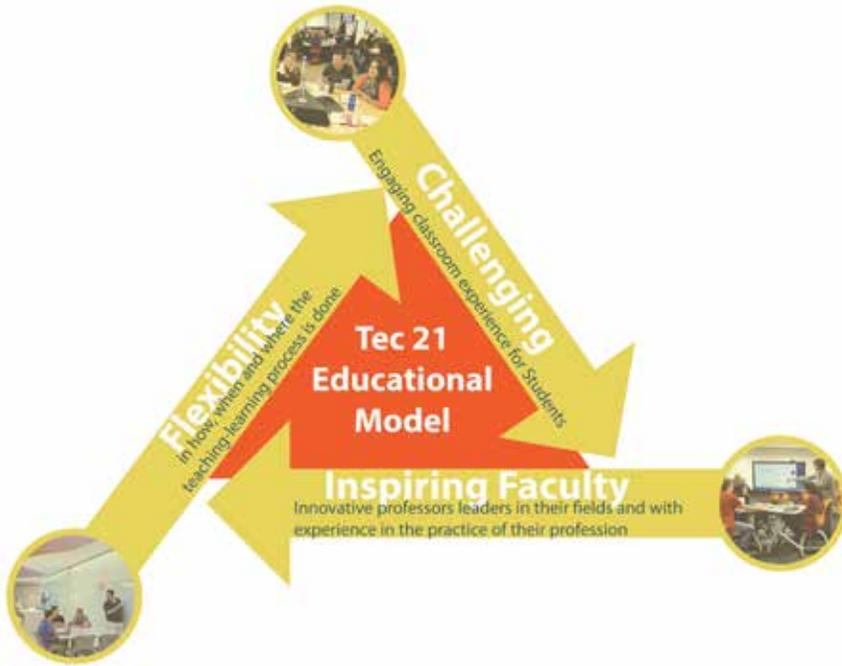
PROJECT HIGHLIGHTS

- » Campus population: 7,000 FTE (projected enrollment)
- » Size: Site area - 65 acres; Building area - 968,000 sq ft
- » Third-party sustainability rating: All buildings with target LEED
- » Instituto Tecnológico de Monterrey (Instituto Tec) is Mexico's largest private university with over 29 campuses across the country.
- » Tec 21 develops a pedagogical structure that helps form extraordinary professionals, committed to society, rooted in a humanitarian worldview that appreciate interdisciplinary and collaborative learning.
- » Queretaro was selected as a pilot campus to test and integrate this new thinking at the overall campus environment and study implications at the building and public realm level.
- » Conservation and development strategies include reclaiming valuable land currently used for surface parking to a structured pedestrian-friendly public realm, increasing connectivity amongst different parts of campus, actively engaging with allied industry, and creating a framework for the integration of cutting-edge pedagogical thinking.
- » The Tec 21 pedagogical structure has three primary organizing elements:
 - » Modules - Next-generation instructional and research spaces.
 - » Challenge Spaces - Facilitate student and faculty collaboration, project work, and brainstorming.
 - » Assessment Spaces - Devised to provide consistent peer-to-peer feedback, faculty critiques, and student display and exhibit.

PERSPECTIVES

Instituto Tecnológico de Monterrey is poised to become a leader in stimulating urban and economic regeneration and prove the power of Latin American universities as engines of innovation and entrepreneurship. The Tec 21 toolkit and principles are harnessed to help strategize and structure new building and public realm interventions within the campus and create opportunities for collaboration and engagement with allied industries and the surrounding community.

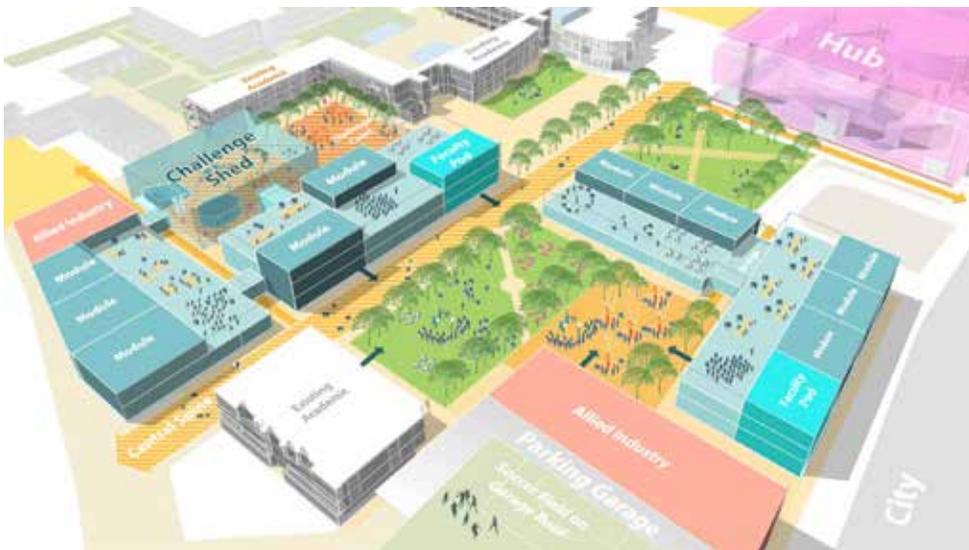
“The consultant team has become a visionary partner in rethinking our approach to planning our facilities while promoting 21st century learning environments,” says Silvano Solis Vazquez, Infrastructure Director. “The result of their work is an innovative transformation of the Queretaro Campus. The research and careful integration of the Tec 21 principles and goals will establish this campus as a model for the entire Monterrey Tec system,” he adds.



The Tec 21 model seeks to create a new paradigm that is challenging, inspiring and rooted in real world issues.



Masterplan Illustrative



A Transformed East Campus creates a new hub for academic teaching and research.

Images Courtesy of Sasaki Associates.

MERIT AWARD FOR EXCELLENCE IN PLANNING FOR A DISTRICT OR CAMPUS COMPONENT

STANFORD SCHOOL OF MEDICINE SPACE MASTER PLAN

Stanford University School of Medicine for the Stanford School of Medicine Space Master Plan with Perkins+Will

JURY COMMENTS

“. . . space analysis master plan is compelling it was well done . . .”

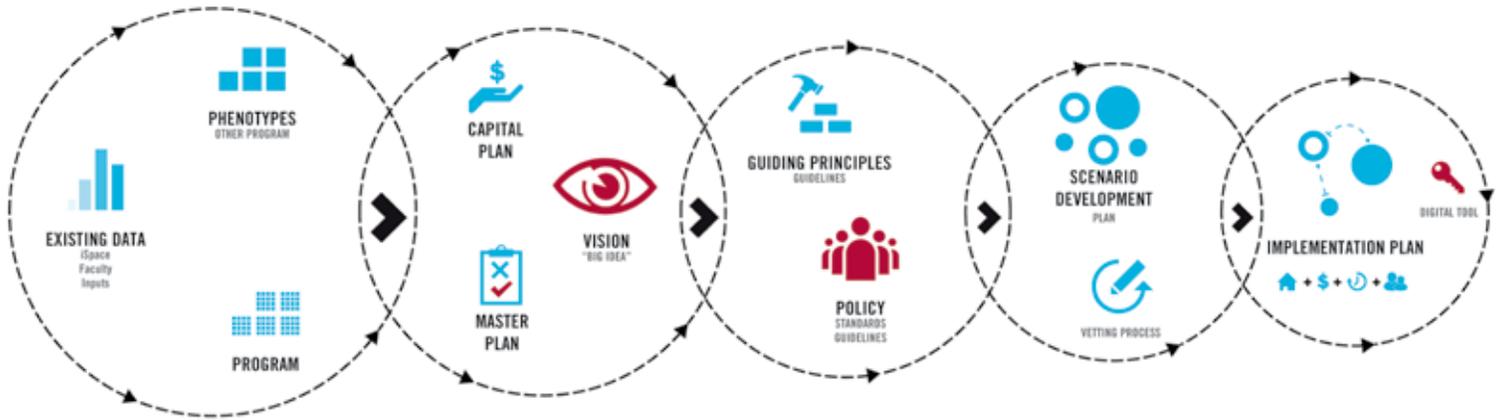
PROJECT HIGHLIGHTS

- » Campus population: 468 medical students; 2,112 faculty, 3,616 staff
- » The Space Master Plan identifies future space needs. Two scenarios accommodate these needs in the most appropriate facilities, locations, and adjacencies to enhance the collective mission of learning, patient care, and research.
- » Implementation strategies link physical space needs to a projected faculty growth that is based upon historic faculty growth and factors in the Long Range Faculty Forecast (LRFF) assumptions.
- » Development of the Faculty Phenotype Model addresses space needs based on what people do and the type and amount of space they need, rather than assigning by entitlement.
- » Key drivers for the plan included: address the immediate need for space for incremental growth; build first on available open sites; target development of 400,000 nsf/620,000 gsf at a reasonable pace in a 10-year period; develop space that enhances partnerships with university academic communities and the hospitals; densify existing buildings according to the Faculty Phenotype Model; and apply Guiding Principles for space allocation and utilization developed by the space committee.

PERSPECTIVES

The dynamic, flexible, and living Stanford School of Medicine Space Master Plan allows for changes in the annual faculty projections, the annual space utilization review, and the review of project sequencing for implementation plans, changes in space assignment to buildings, and new building options. School of Medicine space needs will change over the next 20 years in ways that no plan can entirely anticipate. The plan is intended to be flexible, to create a framework for future development, and to not be prescriptive about the exact shape or program for development. The implementation plans are designed with space planning concepts that capture the spirit of the vision for the school. The Space Master Plan represents a fully vetted vision for the future of the Stanford School of Medicine and a framework to guide that future. Over the coming months and years, these ideas will be tested, debated, evaluated, and revised. Some concepts may be implemented, others will not, and others may prove to be the seeds of new ideas. The Space Master Plan is a valuable tool and a powerful inspiration for the physical evolution of the School of Medicine at Stanford.

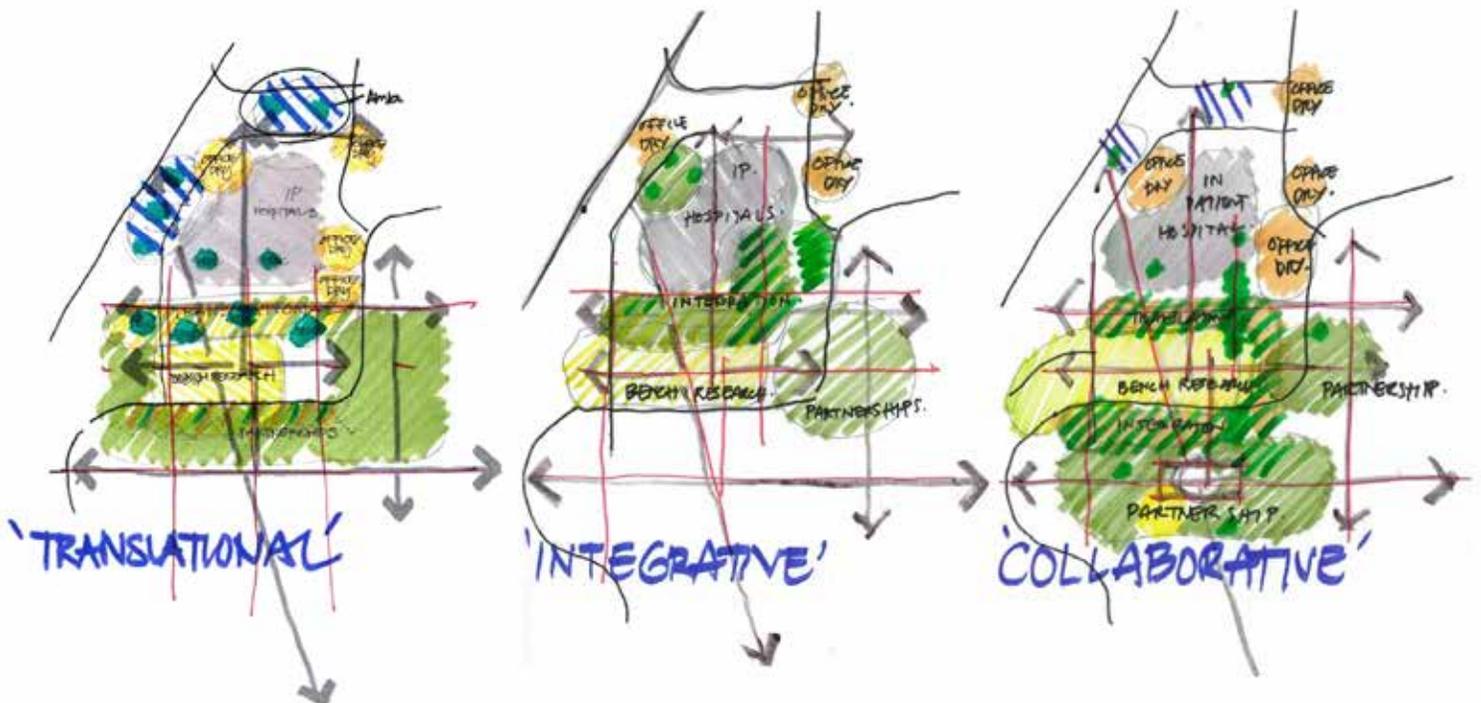
“The success of this space master planning project has enabled us to create a vision for the school for the next 20 years, and change it as we progress,” says Joslyn Gray, Senior Facilities Planner, Stanford School of Medicine.



A comprehensive, integrated planning process created an innovative vision and flexible planning framework for future facilities at the Stanford School of Medicine.



The Faculty Phenotype Model was mathematically applied to the current and projected faculty count for 2023 and 2033 to determine the order of magnitude of projected required space compared to current space.



Three initial planning concepts, Translational, Integrative, and Collaborative, were developed to incorporate site circulation, open space, view corridors and primary building functions, providing a framework for development alternatives.

Images Courtesy of Transparent House.

HONORABLE MENTION FOR EXCELLENCE IN PLANNING FOR A DISTRICT OR CAMPUS COMPONENT

UNIVERSITI TEKNOLOGI PETRONAS RESEARCH DISTRICT MASTER PLAN

Universiti Teknologi Petronas for the Universiti Teknologi Petronas Research District Master Plan with Sasaki Associates, Inc.; also Dolma Fund

JURY COMMENTS

“. . . massive vision, grounded by strong hydrologic and mobility strategies . . . very good analysis diagrams where they take away the buildings and show the groundwork . . .”

PROJECT HIGHLIGHTS

- » Building area: 4,049,416 gsf
- » Site area: 61.7 hectares
- » The plan utilizes land most appropriate for building new structures, preserves the dramatic topography that defines the site, and conserves nationally recognized endangered tree species within key open spaces.
- » All areas of the new district are within a 10-minute walk of the academic core, reducing reliance on private transportation.
- » The district is organized into research clusters that foster collaboration and innovation, with active and social uses situated at strategic locations to create a distinctive and active sense of place.

PERSPECTIVES

The master plan builds on the powerful image of the UTP academic core and the extraordinary environmental setting of the site to provide a distinctive and vibrant green identity that will generate new strategic industrial partnerships at UTP. It provides a holistic approach for a sustainably built and natural environment through a combination of design considerations, including the conservation of existing endangered trees, the management of stormwater through retention of natural drainage corridors and provision of bioswales, the development of the mobility connector, and the adoption of passive microclimate strategies. The highly functional open space strategy offers many amenities and recreational opportunities while accommodating the region’s rainfall, which totals nearly 2,500 millimeters annually. This provides a connective tissue between the UTP campus and the new research district, enhancing the quality of the campus experience while providing resilient strategies for landscape conservation and hydrology. The new partnerships generated by the district hold the prospect of advancing technology and talent, and transforming Malaysia’s industry into one of innovation and supply, instead of simply procurement. In this way, the master plan will shape not only the future of UTP, but also that of Malaysia.

“The distinct identity of the existing UTP campus is extended to provide a lively, dynamic, and walkable new district that will be a catalyst for university exploration and discovery in new businesses, products, ongoing cutting-edge research, and new strategic partnerships between the university and private industry,” says Prof. Dr. Abd Rashid B. Abd Aziz, Deputy Vice Chancellor, Universiti Teknologi Petronas.



Research District Master Plan *Image courtesy of Sasaki Associates.*



The Nexus Hub *Image courtesy of Sasaki Associates.*

HONORABLE MENTION FOR EXCELLENCE IN PLANNING FOR A DISTRICT OR CAMPUS COMPONENT

UC RIVERSIDE: PLANT GROWTH ENVIRONMENTS DISTRICT PLAN

University of California, Riverside for the UC Riverside: Plant Growth Environments District Plan with Moore Ruble Yudell Architects & Planners

JURY COMMENTS

“. . .very quirky . . . great that it will support identity enhancement . . .”

PROJECT HIGHLIGHTS

- » Project cost: Approximately \$131 Million
- » Site area: 19 acres
- » Over 100 structures used for growing and studying plants were spread out over an interstate freeway bisecting the campus. These structures—mostly greenhouses—were constructed starting in the early 1930s, the most recent having been built in 2010.
- » The challenge was to find a place for new greenhouses, and balance the competing goals and desires of university planners. Planners wanted to move all greenhouses and support functions to a remote site west of Interstate 215. The research community was concerned that the physical distance to and isolation of this location would result in severe logistical challenges for their work and introduce the potential for contamination of scientific samples.
- » After considering factors such as user needs, preferred adjacencies, site development costs, topography, and flood zones, a location immediately adjacent to the core campus was chosen.

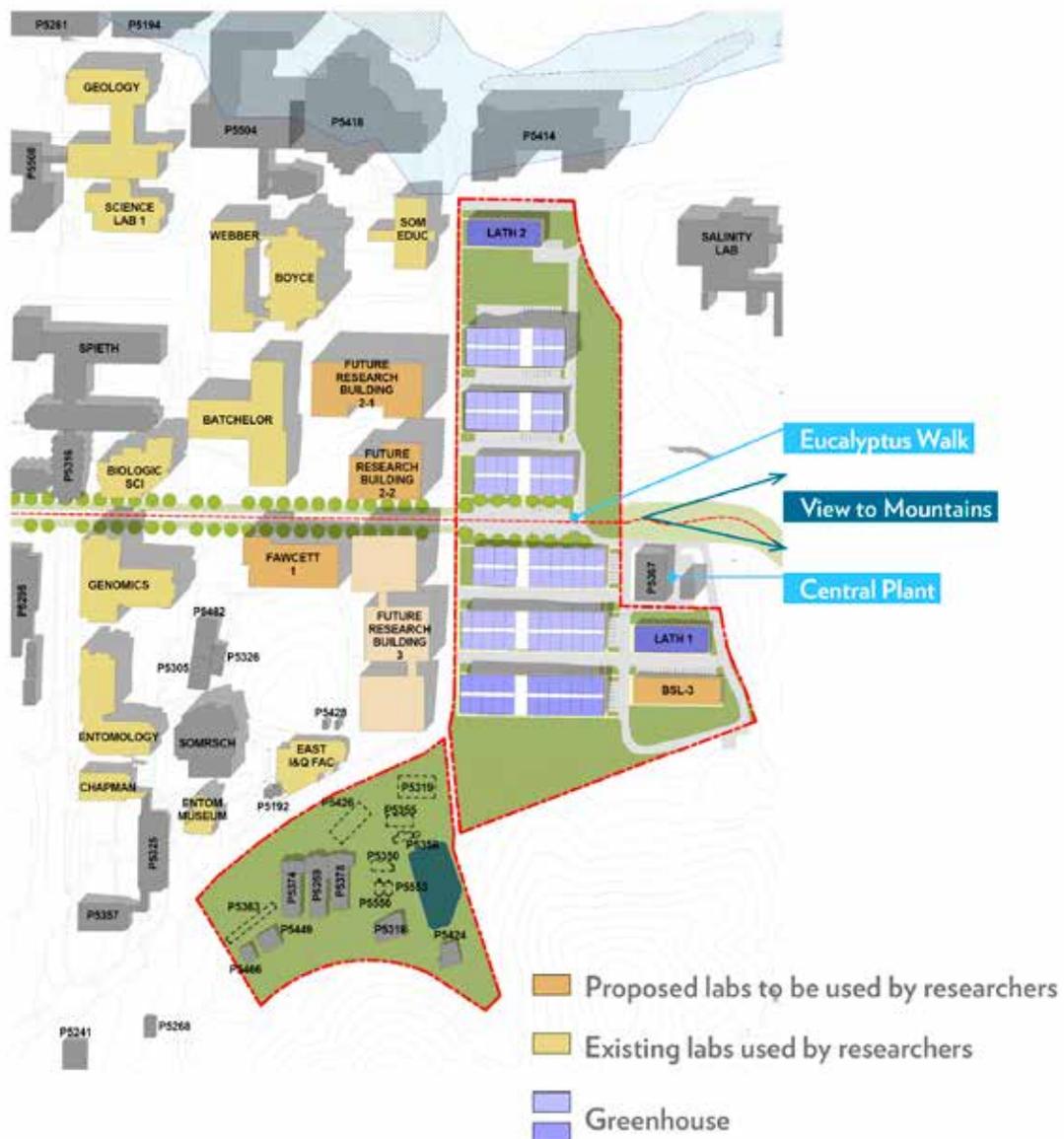
PERSPECTIVES

The new district plan organizes facilities with a clear logic, and a strong relationship to both the academic core and the campus's open space framework. It will serve as a model for agricultural science programs around the country, since physical distance between greenhouses and labs is a major hindrance to high-quality research at many universities. Greenhouse facilities directly adjacent to academic cores will facilitate research and promote interdisciplinary interaction between colleges. This plan will enable the college to begin their own plant research. The proposed siting of the greenhouses shapes a well-defined “research district” at the east edge of the main campus, in close proximity to existing and proposed laboratories, fostering communities. A previous general consensus that greenhouses were unsightly led to political pressure for their removal, but the planning team demonstrated an alternate paradigm: greenhouses incorporated into the heart of the campus, gathered in structures scaled to hold their own visually among large academic buildings.

“The planning team successfully developed a planning methodology, planning criteria, benchmarks and concepts for a new style of plant grown environments to help ensure UC Riverside's pre-eminence in agricultural research and entomology. The study has been accepted and will be used to develop a set of phased projects for possible inclusion in the campus long range Capital Financial Plan. The faculty expressed high satisfaction with the process and are hopeful that resources can now be identified to begin an important new era of development of plant growth environment space and facilities at UC Riverside,” says John O. White, Assistant Vice Chancellor for Capital Planning.



Aerial View Showing "Research Community" Concept Image courtesy of Moore Ruble Yudell Architects & Planners.



Existing Campus Site Plan Image courtesy of Moore Ruble Yudell Architects & Planners.

MERIT AWARD FOR EXCELLENCE IN PLANNING FOR AN EXISTING CAMPUS

HEALTH SCIENCES CAMPUS FRAMEWORK PLAN

Temple University for the Health Sciences Campus Framework Plan with Payette; also Andropogon Associates and U3 Ventures

JURY COMMENTS

“... very achievable, especially with the addition of green spaces . . . shows how this will be beneficial for the city . . . trying to make a rough neighborhood better . . .”

PROJECT HIGHLIGHTS

- » Building area: 4.34 million sq ft
- » Site area: 25 acres
- » Temple University’s Health Sciences Center had maintained an active presence in a declining part of Philadelphia, but the existing physical campus was no longer fulfilling its mission to train healthcare providers, advance health science research, and care for the local residents.
- » An urban design approach was needed since many problems facing the campus required architectural, landscape, and spatial solutions.
- » The plan’s market analysis showed Temple University how it could overcome the present inertia and start making significant change right away, through two initial, achievable projects for residential and campus life.
- » The plan fosters interaction across professional schools and multidisciplinary education and research, and it enhances the medical center’s ability to serve the surrounding community and support its revitalization.
- » Adaptive reuse is recommended where appropriate, balanced with other considerations such as the suitability of existing buildings for current and future uses and the fiscal implications of ongoing maintenance and operations.
- » A high-performance landscape serves as “green infrastructure,” to provide an inviting urban environment while also retaining and reusing stormwater runoff.
- » Four blocks of Broad Street will be transformed from vast swaths of barren concrete to shaded, tree-lined sidewalks, with a uniform palette of site furniture, paving, and planting materials.

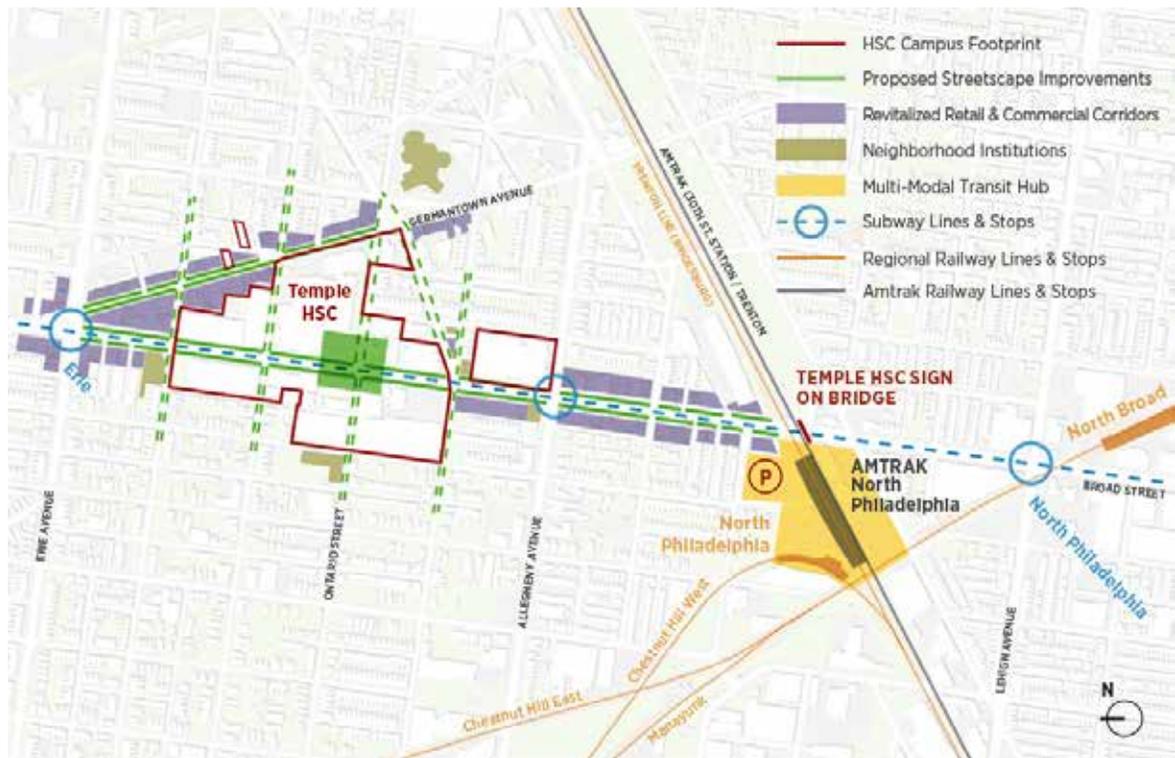
PERSPECTIVES

The Temple Transformation plan outlines overarching planning goals and concepts to assist the university in capital investment decision-making over the coming years in response to evolving needs, priorities, and funding opportunities. With a long-term vision in place, Temple will be better positioned to respond to outside forces as well as internal programmatic developments that make new demands on space and the physical campus environment.

“The plan and the process has helped inspire the potential for growth and community development this new vision will catalyze,” says Margaret M. Carney, University Architect and Associate Vice President, Temple University. “I believe the clarity and strength of this plan is of a caliber that will prevail over time, serving as an inspiration and road map not only for Temple University and the North Philadelphia community, but for other communities facing similar challenges,” she adds.



View of the Sky Garden and New Urban Green Space at the Intersection of Broad and Ontario (computer-generated rendering) *Image courtesy of Payette.*



Strategic Reach of the Temple Transformation Plan *Image courtesy of Payette.*

MERIT AWARD FOR EXCELLENCE IN PLANNING FOR AN EXISTING CAMPUS

UNIVERSITY OF WASHINGTON CAMPUS MASTER PLAN UPDATE

University of Washington for Campus Master Plan Update with Sasaki Associates, Inc.; also Affiliated Engineers, Inc.; Transpo Group

JURY COMMENTS

“. . . the project speaks to the current obligation urban campuses have about integration with the city . . . there is an infrastructure for growth that matches Seattle’s explosive growth . . .”

PROJECT HIGHLIGHTS

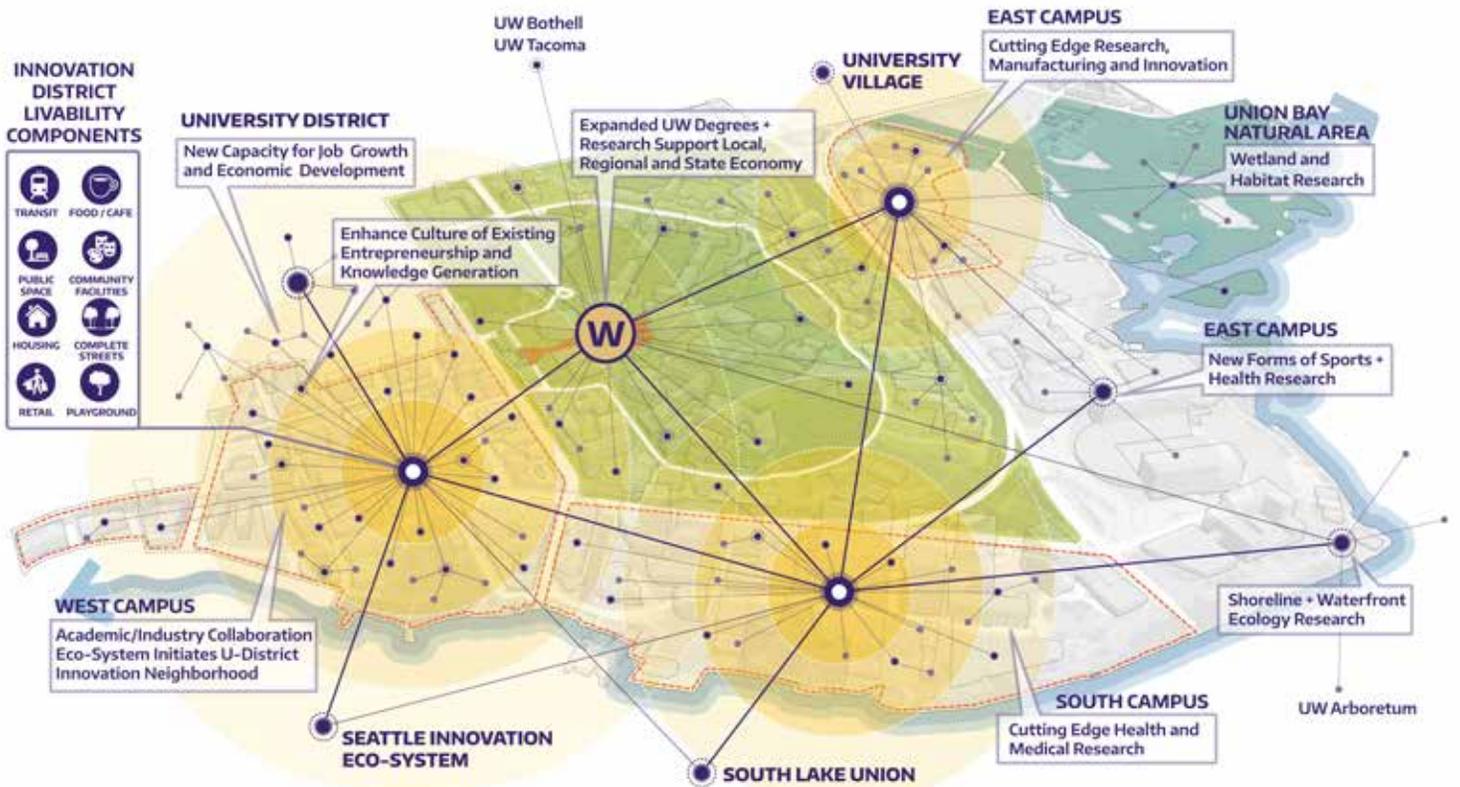
- » Size: Site area - 700 Acres; Building area - 29.7 million sq ft (2038)
- » Third-party sustainability rating: Gold Rating (AASHAE STARS)
- » With a need for roughly 8 million sq ft of net new development within the university’s regulatory boundary, proposed development preserves the historic character of the Central Campus and leverages underutilized sites, surface parking lots, and facilities in poor condition in the West, South, and East Campuses to maximize development potential.
- » Significant proposed development is balanced with the creation of several new open spaces that enhance connections across campus and provide greater access to the waterfront.
- » The master plan update:
 - » Preserves significant historic and cultural resources that maintain the character, scale, and integrity of the central campus.
 - » Makes the Medical and Health Science Complex more porous and accessible with strong connections to the waterfront.
 - » Enhances connections and multi-modal access including pedestrian, bike, vehicular, and transit movement across campus.
 - » Transforms surface parking lots into a potential high-tech teaching, research, and manufacturing district.

PERSPECTIVES

The plan accommodates significant increases in student enrollment and research demands; guides the creation of an active public realm; and complements the existing lexicon of higher education spaces with new settings for collaboration, allied industry partnership, and innovation. The plan balances future development with the preservation of historic campus assets, and integrates the university’s strategic goals, and academic and research missions, with capital plan objectives to guide the physical development of the campus. The plan also creates a structure to catalyze academic and research partnerships with allied industries, contributes to a highly livable innovation district, and stimulates job growth and economic development. The university strives to be good stewards of its historic, natural/environmental, economic, cultural, and built resources. The plan adopts a holistic systems-thinking approach to sustainability, creating a framework structured around five major themes—ecological systems, mobility, engagement, built environment, and economic development.



Connectivity Image courtesy of Sasaki Associates.



UW Innovation and Economic Development Potential Image courtesy of Sasaki Associates.

HONORABLE MENTION FOR EXCELLENCE IN PLANNING FOR AN EXISTING CAMPUS

CORTEX INNOVATION COMMUNITY MASTER PLAN

Cortex (Center of Research, Technology and Entrepreneurial Exchange, a not-for-profit consortium formed by Washington University in St. Louis, Saint Louis University, the Barnes-Jewish Hospital Foundation, the University of Missouri-St. Louis, and Missouri Botanical Garden for Cortex Innovation Community Master Plan) with Ayers Saint Gross, Inc.; also Wexford Science & Technology, LLC

JURY COMMENTS

“. . . this serves as a model for universities who want to further engage with their urban surroundings . . . universities are economic development engines . . . the program, placement and investment is good . . .”

PROJECT HIGHLIGHTS

- » 3.8 million gsf lab/office
- » Third-party sustainability rating: Net-Zero Water District Goal; LEED Platinum
- » 1,400 residential units; 700,000 gsf retail; 400,000 gsf hotel
- » In three years, the new district helped propel St. Louis to become one of the fastest growing startup cities in the country, averaging 5.6% growth between 2014 and 2015.
- » Cortex Innovation Community Master Plan is a vision to transform the 200-acre industrial corridor into a vibrant, 24-7, live-work-play-learn innovation community.
- » Financial strategies such as a TIF district were supported by a deliberate mixed-use land use strategy that set the district up for successful implementation.
- » Cortex is now home to a network of 200 companies (nearly 150 are startups), over \$500 million in investment, and 3,600 new jobs.
- » A full buildout of the Cortex Innovation Community is expected to create 13,000 permanent technology-related jobs.

PERSPECTIVES

Cortex is a model for a university-affiliated innovation district that harnesses a single urban location to build a culture of collaboration and discovery. Each building, each lobby, each green space is intentionally designed and choreographed so that people bump into each other, share ideas, and create connections. Alongside lab and office space is a growing community of retail, housing, and open space that creates a dynamic live-work district. The idea of community is deeply rooted in public space. The Commons, which was completed in the fall of 2015, is planned as a vibrant hub of activity with farmers markets, live music, yoga classes, and networking events intentionally designed to bring people together. Architecturally, the plan revitalizes historic industrial buildings, opening them up to create dynamic and open work areas to support flexible workplace arrangements and a maker-economy mindset.

“Cortex is an important model of a successful university-affiliated innovation district that reflects the university’s academic goals and aspirations while making the region a stronger and more vibrant place for all,” says Henry S. Weber, Washington University in St. Louis.



Cortex Innovation Community Master Plan Image courtesy of Ayers Saint Gross.



▲ THE PROPOSED PLAN - A VIBRANT, 24-7, LIVE-WORK-PLAY-LEARN INNOVATION COMMUNITY.

- Research/Office
- Mixed Use/Hotel
- Residential
- Retail
- Institutional Partner Development Site

Image courtesy of Ayers Saint Gross.

MERIT AWARD FOR EXCELLENCE IN PLANNING FOR A NEW CAMPUS

CIATER NEW UNIVERSITY

PT Beruangmas Perkasa for Ciater New University with Sasaki Associates, Inc.

JURY COMMENTS

“... really addressed sustainability and water management . . . set priorities very well . . . liked the conservation and restoration . . .”

PROJECT HIGHLIGHTS

- » Campus population: 10,300 FTE (projected enrollment)
- » Size: Site area – 115 acres; Building area – 273,500 sq m
- » Third-party sustainability rating: All facilities will target LEED.
- » The key objective of the master plan is to redefine higher education in Indonesia by creating a new pedagogical model that embraces multi-disciplinary learning, to become Indonesia’s leading residential college and academic community, and to formulate a new paradigm that focuses on developing socially conscious and collaborative professionals.
- » The master plan also creates an integrated model that promotes restoration and sustainable inclusion of the agricultural landscape characteristic of this region of Indonesia.
- » Buildings are optimized in their orientation, massing, height, and section to take advantage of natural ventilation and daylighting, contributing significant energy consumption reductions.
- » Building development parcels and surrounding infrastructure follow the form of the terrain to minimize earth movement, and to maintain earth volumes on site.
- » Development of service and support infrastructure will be incremental, allowing for roads, parking, and utilities to be phased together with the campus’s growth.
- » The plan incorporates the need for 16 academic disciplines, supported by housing for 10,300 students and 250 faculty, and a comprehensive array of student life and communal facilities.
- » The plan emphasizes the integration of building, infrastructure, and landscape solutions to work with the existing terrain to manage water on site, conserving and reusing the heavy volume of stormwater, and actively promoting the integration of agriculture for food supply, research and learning.

PERSPECTIVES

The master plan creates a truly integrated and sustainable campus with strong connection between the academic, residential, and student life areas that promotes living-learning communities and builds on the vibrancy of the campus core. The campus is conceived as a compact living and learning village that sits harmoniously within its incredible natural setting. Academic life and social life are thought of as seamlessly integrated, and a series of indoor and outdoor gathering spaces and courtyards are created throughout the plan to support informal learning and socializing. Engagement with the external community and villages that surround the site forms a key component, and facilities that enable this are strategically located in the mixed-use campus center at the entrance to the campus. The campus open space system is based on the extension of the armature of natural systems existing on the site: the valley with its agriculture terraces, the ravines that channel water, and diverse habitat.



Images courtesy of Sasaki Associates.

HONOR AWARD FOR EXCELLENCE IN LANDSCAPE ARCHITECTURE FOR OPEN SPACE PLANNING AND DESIGN

BOSTON COLLEGE MIDDLE CAMPUS, RE-ESTABLISHING HISTORIC IDENTITY

Boston College for Boston College Middle Campus, Re-establishing Historic Identity with Stephen Stimson Associates; also Tsoi/Kobus & Associates; Pine and Swallow Environmental; VHB; DiMella Shaffer Architects

JURY COMMENTS

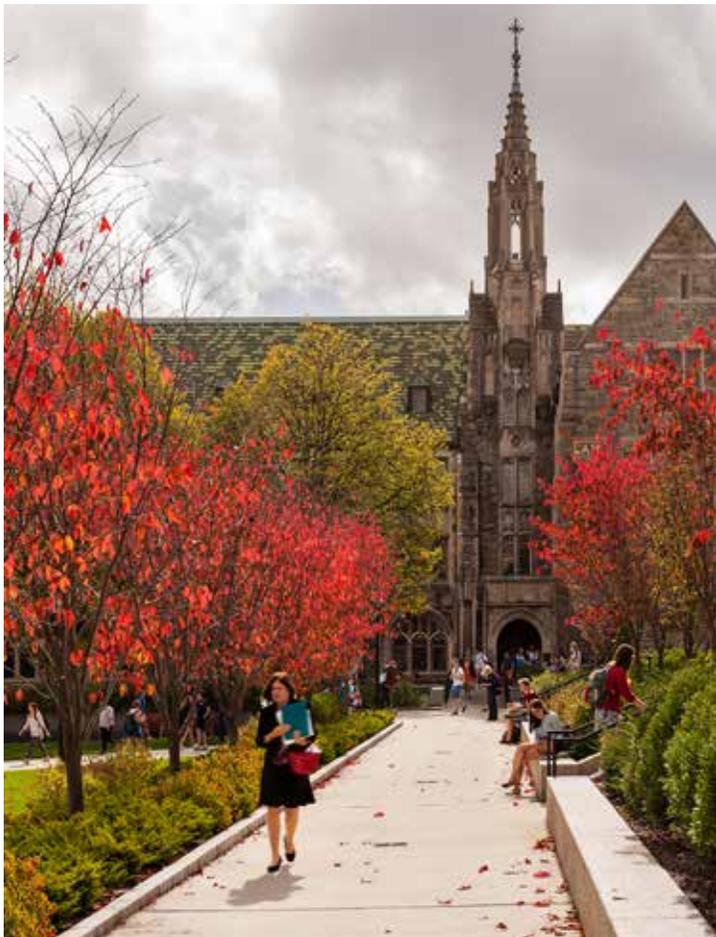
“... the landscape feels very consistent with the surrounding architecture. . . looks like students are really using the space . . . so many great features in this project . . .”

PROJECT HIGHLIGHTS

- » Project cost: \$750,000
- » Construction cost: \$7.5 Million | \$22/sq ft
- » The project began in 2008 as a master planning study of the historic core of Boston College’s Chestnut Hill campus in conjunction with the first of a series of transformational quadrangle renovations.
- » Primary design challenges were dramatic reduction of paving, removal of vehicular traffic, re-establishment of the campus canopy structure, and development of a new primary circulation system to run diagonally through campus and replace a pathway network that could no longer accommodate 9,000 students.
- » By 2016, completed projects covered an area of 7.70 acres and included the renovation and creation of five new interconnected quad spaces stretching over a quarter mile across campus.
- » The new tree structure utilized a canopy of oaks to define the major outdoor rooms, to frame views, and to soften the façade of large buildings, reinstating the original quadrangle structure.
- » Each quadrangle was connected at the corners creating student meeting spots. Edges of the spaces were designed to be permeable and invite smaller groups and individuals with seating, granular paving, and rich planted borders.

PERSPECTIVES

The completed designs achieve the primary objective to unify the identity and material quality of the Middle Campus through a network of re-established quad spaces. The major artery of student circulation has been contained and defined, which preserves open lawn areas and links one space to the next. Large, simple bars of evergreen planting define space, protect the lawn, and add interest and variety to the surrounding seating areas. The Middle Campus projects incorporate many sustainable elements that serve as a model for other campuses. Boston College supported a large investment in deep, well-drained soil designed to accommodate student traffic and major events. In many areas the structured soil profile is 2 feet deep, absorbing huge amounts of stormwater. Impervious paving has been kept to an absolute minimum, providing maximum space for planting where stormwater can infiltrate and recharge. All new plantings are served by an irrigation system that is integrated through a central computer and provides minimum irrigation needed.



Photographs courtesy of Christian Phillips Photography.

MERIT AWARD FOR EXCELLENCE IN LANDSCAPE ARCHITECTURE FOR OPEN SPACE PLANNING AND DESIGN

SITE LANDSCAPE – NEW CLASSROOM BUILDINGS

The University of Connecticut for Site Landscape – New Classroom Buildings with Stephen Stimson Associates; also Leers Weinzapfel Associates; URS Corporation

JURY COMMENTS

“. . . the project is doing something innovative and different . . . the designers thought a lot about the part of campus they could impact . . .”

PROJECT HIGHLIGHTS

- » Project cost: \$440,000
- » Construction cost: \$4.0 Million | \$18.38/sq ft
- » Size: 6.2 acres
- » Site area affected by the project: 8 acres
- » Third-party sustainability rating: LEED Gold
- » The UCONN Site Landscape – New Classroom Buildings design negotiates stormwater management at the social and academic heart of the Storrs campus and articulates the creation of new social spaces through a network of green roofs, bioswales, and pervious surfaces.
- » The project’s final result creates a cohesive landscape and architectural design that recharges the water on site and further solidifies UCONN’s commitment to environmental stewardship.
- » The design encourages students to sit and gather in a setting that reflects seasonal change and demonstrates sustainability. It has incorporated native plants, bioswales, green roofs, pervious paving, and stormwater collection.

PERSPECTIVES

The project had an immediate impact on the central campus character, constructing a progressive and sustainable design within the context of a traditional campus setting. It is the tactile quality of this design that clearly demonstrates its contribution to the overall campus. The stormwater management demonstrates quantifiable results. The green roof, open cell paving, water collection tanks, and bioswales have met all expectations for stormwater management. The integration of the stormwater management strategy with student gathering terraces became the most successful result. These landscapes also become teaching opportunities for faculty and students to learn about native plants and sustainable water management practices.

“This environmentally-conscious approach extended to the landscape architectural design, particularly in all areas related to stormwater management by use of pervious pavements, infiltration basins, and groundwater harvesting for irrigation. The project also reduced the maintenance needs of our campus through the inclusion of large planted areas that only require annual or seasonal attention. These functional landscape features also support the overall academic vision of our university, as they have become teaching tools for a number of academic and extension programs,” says Sean M. Vasington, Associate Director, University Planning. “The landscape architectural design significantly improved a portion of our campus core and provides a contemporary image that is complementary to our institutional aspirations and pedagogy,” he adds.



Photographs courtesy of Charles Mayer Photography.

HONOR AWARD FOR EXCELLENCE IN LANDSCAPE ARCHITECTURE FOR GENERAL DESIGN

STANFORD UNIVERSITY SCIENCE & ENGINEERING QUAD

Stanford University for Stanford University Science & Engineering Quad with Hargreaves Associates; also Bora Architects; Arup

JURY COMMENTS

“... liked that there were building entrances on all sides ... established campus connections ... continuing unity from the main quad was great ... the landscape was impressive ... the richness of the varieties made it very interesting ...”

PROJECT HIGHLIGHTS

- » Construction cost: \$28 Million all site costs
- » Size: 10-acre site
- » Third-party sustainability rating: LEED Platinum based on post occupancy performance
- » Site area affected by project: 5 acres open space
- » The project creates a new quad for the science and engineering school with 600,000 sq ft of new buildings
- » that house labs, offices, classroom spaces, academic facilities, and amenities for campus-wide use.
- » The quad creates a major new “campus within the campus,” establishes north/south and east/west connections, and provides a framework for future expansion.
- » The quad creates a cross-axial relationship to campus and establishes a pedestrian district where roads and surface parking had existed.

PERSPECTIVES

The open space design fulfills many goals: a balance of native, sustainable landscape with paving that creates a respite and a place for the desired outdoor uses; a re-interpretation of the design of the historic quad, using similar elements in a more contemporary way that provides for casual use and formal identity; and the relationship to below-grade architectural spaces, giving light and access to the lower level of meeting, learning, and office spaces. Stanford’s mission of innovative, multi-disciplinary research and education is supported by the new quad which facilitates exchange and gives a common ground for many programs to come together and share space, ideas, and old and new traditions. The mission of the quad exposes its students to the liberal arts and the broader culture of the university and the world. There is a distinct sense of place and identity for the specific schools that frame the quad—for the first time in campus history—and they use and embrace the quad in ever-evolving ways. The quad establishes a distinct character for the science and engineering buildings that frame it, creating a campus destination that is unique within the historic campus, responsive to the historic context, and a departure from the traditionally formal spaces. The landscape—in contrast to the historic Main Quad—is useable, with shady terraces and lawn mounds for seating and gathering, and paved plaza areas for outdoor dining and pedestrian flow, and it is responsive to climate and environmental conditions with a rich palette of native plants.

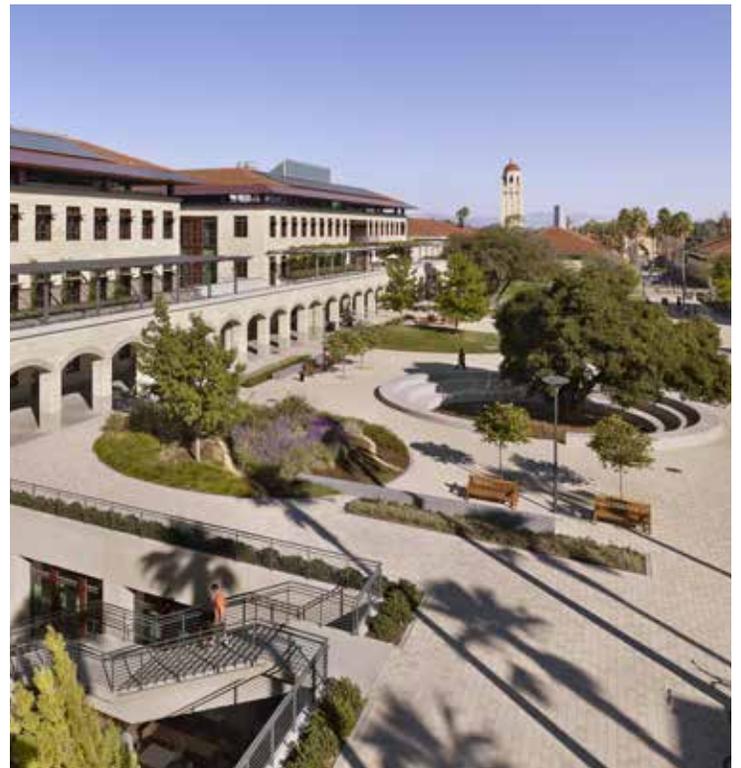
“The team elected to not pursue LEED at the time of the planning because chasing the points did not always lead to the most sustainable decisions for the university who had a more regional approach to most issues. The project was awarded LEED Platinum based on overall performance,” says Cathy Deino Blake, Director of Campus Planning and Design.



Photograph courtesy of Tim Griffith.



Photograph courtesy of Kyle Jeffers.



Photograph courtesy of Jeremy Bittermann.

HONOR AWARD FOR EXCELLENCE IN LANDSCAPE ARCHITECTURE FOR GENERAL DESIGN

CAMPUS TRANSFORMATION PROJECT / CENTENNIAL PLAZA

The University of Texas at El Paso for Campus Transformation Project / Centennial Plaza with The University of Texas at El Paso; also Ten Eyck Landscape Architects, Inc.

JURY COMMENTS

“... it's a great transformation space for pedestrians ... bringing community consultation to a whole new level ...”

PROJECT HIGHLIGHTS

- » Construction cost: \$24,207,000 | \$52 per sq ft
- » Project cost: \$34 Million
- » Master plan size: 18 acres
- » Construction size: 10.6 acres
- » Third-party sustainability rating: Seeking SITES
- » The project completes campus outdoor space reconfiguration to improve accessibility, space utilization, and the quality of campus life.
- » The project improved stormwater mitigation, urban ecology, and opportunities for social interaction at the heart of the campus, strengthening connections among people, their city, their campus, and the Chihuahuan Desert landscape.
- » A continuous pedestrian environment with walkways, bike paths, green spaces, and arroyos replaced acres of sloping asphalt streets and parking lots .
- » Guiding principles were:
 - » Establish a strong campus identity.
 - » Foster human comfort.
 - » Exemplify ecological urbanism.
 - » Develop a culture of sustainability.
- » Local and salvaged materials were integrated into the site design when possible to reduce waste and engage the site's historical context.

PERSPECTIVES

The Campus Transformation Project resulted in a new pedestrian-focused campus core that prioritizes people and the environment. The landscape enhances the campus's multicultural heritage, from the influence of local Mexican American culture to the university's unique Bhutanese-inspired architecture. The use of local materials and native and adapted Chihuahuan Desert plant species ensures long-term success of the landscape and establishes the campus's identity within its regional context. The UTEP campus is an example for the City of El Paso and other desert communities around the world for transforming over-paved, car-oriented sites into living, breathing urban ecologies that support a high quality of life and connect with nature. The project, coinciding with the university's centennial celebration, began UTEP's transition into a safer, more ecologically rich environment.

“The design stands as a vision of the future that effectively merges unique campus designs with UTEP's core mission of providing students with access to opportunity through student-centered educational and research experiences delivered by faculty and staff deeply committed to far-reaching excellence in all that they do to serve the residents of the Paso del Norte region,” says Gregory L. McNicol, Associate Vice President for Business Affairs, Facilities Management.



Photographs courtesy of Terrence Moore Photography.

HONORABLE MENTION AWARD FOR EXCELLENCE IN LANDSCAPE ARCHITECTURE FOR GENERAL DESIGN

THE WATERHUB® AT EMORY UNIVERSITY

Emory University for the WaterHub® at Emory University with Sustainable Water; also Reeves Young; McKim & Creed

JURY COMMENTS

“... the wetlands they’ve created and their outreach with students and faculty is pretty remarkable ... great example of how to manage water on a campus ...”

PROJECT HIGHLIGHTS

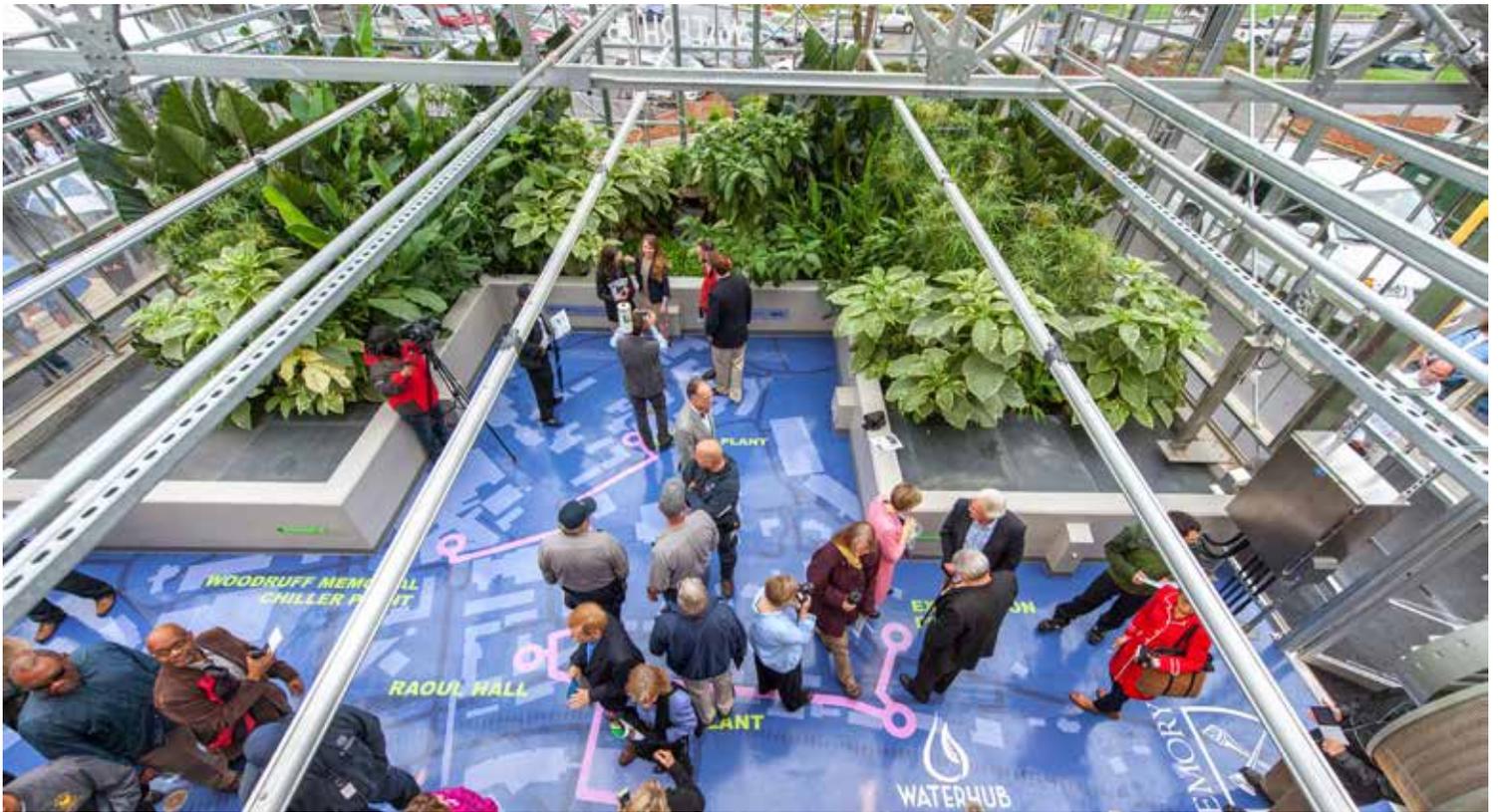
- » Project/construction cost: \$6.8 Million
- » Size: 8,000 sq ft
- » Site area affected: 26,000 sq ft
- » The WaterHub® is an eco-engineered, campus-wide water reclamation system. It acts like a campus utility system, treating wastewater mined directly from the campus sewer system to reusable standards. It provides an alternative supply of clean water for heating and cooling operations. The system reduces Emory’s draw of potable water by up to 146 million gallons annually—displacing nearly 40% of total campus water demand.
- » The WaterHub® provides a number of economic, environmental and social benefits to the university and broader community:
 - » Conserves up to 146 million gallons annually (40% of campus water demand).
 - » Reduces wastewater discharge by nearly 66%.
 - » Tens of millions of dollars expected in cost savings over the next 20 years.
 - » Mitigates the impact of municipal water main failures on campus utility systems.
 - » Provides a living, learning laboratory for immersion learning.
 - » Provides a platform for water-related research and community outreach.

PERSPECTIVES

As the first project to use this type of agreement, the WaterHub® stands as a new model for de-risking and implementation of commercial-scale water reclamation and reuse strategies. Overall design achieved the university sustainability and water conservation goals as well as the broader water management goals of the municipality. As a result, the WaterHub® project represents a true public/private partnership.

“This is a first-of-its-kind facility in North America. It exemplifies how we as a society can take a more intelligent and responsible path to stewardship of natural resources, for the good of each other,” says Jim Wagner, President of Emory University.

“This WaterHub® will shine as a model for other universities, other governments, and commercial campuses to replicate. The benefits of this project are not theoretical or abstract, they’re very real, very measurable, and they’re very immediate, leaving no doubt about the direct beneficial impact that sustainable practices can have on our water systems,” says Douglas Hooker, Director of Atlanta Regional Commission.



Inside WaterHub® Glasshouse (Upper Site) Photograph courtesy of JandD Images.



WaterHub® Outdoor Rector (Lower Site) Photograph courtesy of JandD Images.

HONOR AWARD FOR EXCELLENCE IN ARCHITECTURE FOR A NEW BUILDING

TOZZER ANTHROPOLOGY BUILDING

Harvard University for Tozzer Anthropology Building with Kennedy & Violich Architecture; also LeMessurier Consultants; Buro Happold Consulting Engineers, PC; Green International Affiliates, Inc.; Richard Burck Associates, Inc.; Tillotson Design Associates; Hughes Associates, Inc.; Cavanaugh Tocci Associates

JURY COMMENTS

“... very elegant expression of what could be a very typical building type ... lovely clarity to it ...”

PROJECT HIGHLIGHTS

- » Project cost: \$23 Million
- » Construction cost: \$15 Million
- » 35,000 gsf building area
- » 21,000 assignable sq ft; 25,000 sq ft site area
- » Third-party sustainability rating: LEED Gold Certified
- » The building consolidates the original library holdings with new construction that builds on existing carbon investment, creating a new public identity and program for the library, while reusing the original building’s infrastructure connections, and steel and concrete structure.
- » The implementation strategy met several challenges. Due to the high water table and adjacency to Harvard’s Museum Complex, retaining the building’s foundation and structure was necessary. The building height would impact the Museum Complex courtyard, so the top floor was converted to a twisted and hipped sky-lit roof allowing light to reach the interior and surrounding landscape below.
- » Opportunities for social gathering were created. A three-story central sky-lit space with a community kitchen was created as a café-like place to meet. A third floor outdoor terrace is a place to meet and enjoy the historic context of the museum complex.
- » Environmental responsibility includes reusing existing infrastructure tie-ins, concrete slabs, circulation cores, and all existing steel. Central lightwell and perimeter windows ensure reduction in lighting energy load. The MEP system uses efficient technologies such as active chilled beams and an energy recovery unit. These systems reduce energy use by 55% below a baseline building benchmark.

PERSPECTIVES

Architecturally, the building draws inspiration from both the building’s and the curriculum’s focus on the ability of materials to bridge culture. A lesson in archeology is created in the celebration of the building’s original concrete floors and exposed structural columns and beams.

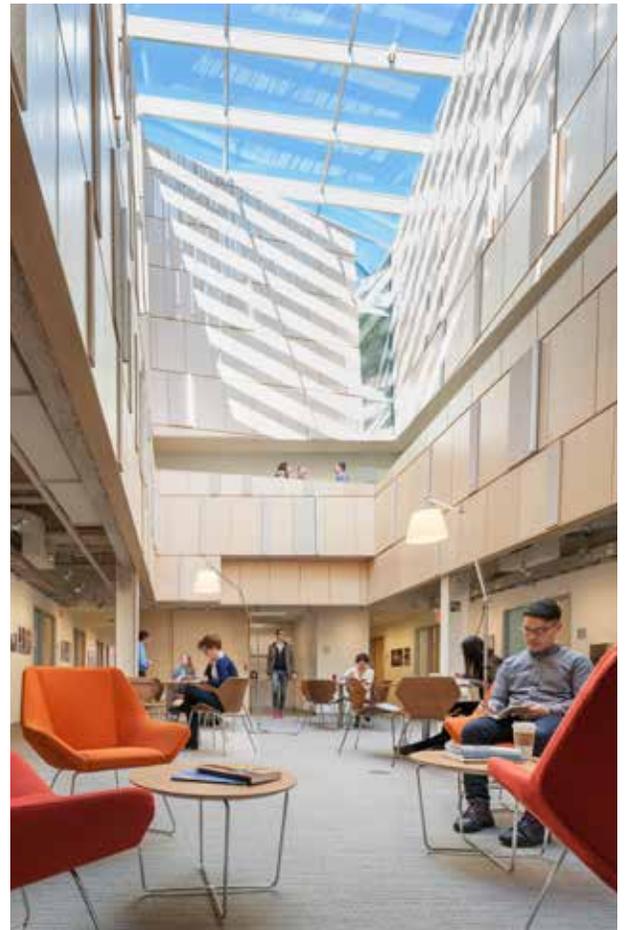
“Tozzer is an example of transformation as adaptive reuse, a sustainable approach that provides innovative new space within the confines of an old structure. The project approach allowed us to improve other campus conditions such as general site accessibility, better light and views into the courtyard, better street presence, and a more prominent/appropriate termination to a campus street,” says Celia Kent, Director of Planning.



East Façade Looking Down Divinity Ave Toward the Peabody Museum



Photographs courtesy of John Horner Photography.



Right: The Collegial Space Underneath the Three-Story Lightwell

HONOR AWARD FOR ARCHITECTURE FOR A NEW BUILDING

LOS ANGELES HARBOR COLLEGE, SCIENCE COMPLEX

Los Angeles Community College for Los Angeles Harbor College, Science Complex with HGA Architects and Engineers; also Pinner Construction; Saiful/Bouquet; JMC2; Fundament & Associates; FBA Engineering; Hunt Design; BlueGreen Consulting; Veneklasen; Jacobs Consultancy; Aon Fire Protection Engineering Corp; Finish Hardware Technology

JURY COMMENTS

“... innovative spaces for sustainability . . . important to tell story of sustainability to next generation of leaders . . . is important . . . bold step forward . . .”

PROJECT HIGHLIGHTS

- » Cost: \$62 Million | \$44 Million
- » Size: 73,000 gsf/52,000 asf
- » Site area affected: 1.8 acres
- » Third-party sustainability rating: LEED Platinum Certified, Net Zero (in verification)
- » Harbor College is a commuter campus just west of Interstate 110 north of the Port of Los Angeles, surrounded by heavy industry and oil refineries. The Science Complex frames the main gateway to the campus for most students and faculty entering the campus from the main parking lot.
- » The goal was to meet the increasing demands of the scattered Physical & Life Sciences and Family & Consumer Studies programs.
- » Critical programming and design objectives provided optimal learning environments for the growing science fields and integrated sustainable design strategies that created new environmental benchmarks.
- » Contrary to the request of faculty to locate offices near their labs and lecture halls, the team proposed grouping related program spaces according to system needs, maximizing energy efficiency, increasing natural daylighting, and providing natural ventilation. This allowed cost savings in structure, mechanical systems, and exit requirements.

PERSPECTIVES

Covered open gathering spaces and exterior corridors replaced the typical double-story lobby and put students and faculty to the forefront. The building is a three-story backdrop and stage for students using this gateway into campus. One major outcome was the importance of informal gathering and learning spaces, particularly since this student demographic is in dire need for spaces to spend productive time away from home. A highly prescriptive and aesthetically-driven campus material design standard resulted in highly sustainable material solutions.

“The complex promotes student engagement through flexible interactive indoor-outdoor classrooms and spaces. The visual message is clear: learning is active,” says Otto W.K. Lee, President, Los Angeles Harbor College. “We wanted students to get excited about science and draw them into the sciences. It is a valuable addition to our campus,” he adds.



Photographs courtesy of Tim Griffith Photography.

HONOR AWARD FOR EXCELLENCE IN ARCHITECTURE FOR A NEW BUILDING

WINDHOVER CONTEMPLATIVE CENTER

Stanford University for Windhover Contemplative Center with Aidlin Darling Design; also Andrea Cochran Landscape Architecture; Rutherford Chekene; BKF Engineers; Auerbach Glasow French; Loisos + Ubbelohde; Charles Salter Associates; SC Builders, Inc.; Rammed Earth Works

JURY COMMENTS

“. . . unanimous choice for an honor award among the jurors . . .”

PROJECT HIGHLIGHTS

- » Construction cost: \$3.4 Million
- » Size: 4,000 sq ft; Site area - 19,000 sq ft
- » Using Nathan Oliveira’s meditative paintings as a vehicle, the Windhover Contemplative Center is a spiritual retreat that promotes and inspires personal renewal. It is conceived of as a unification of art, landscape, and architecture.
- » Sculpture and exterior benches are fabricated from stone salvaged from the campus scrapyard.
- » The radiant floor system provides heating and cooling to give comfort without noise or vibration.
- » Louvered skylights wash the monumental 15- to 30-foot-long paintings in natural light. The remaining space is kept intentionally dark to focus the visitor’s attention on the naturally highlighted paintings and the landscape beyond.
- » Thick-rammed earth walls provide a sense of solidity, permanence, and warmth that is integral to the visitor’s experience. The 18-inch to 2-foot walls were hand tamped pneumatically in 6- to 8-inch lifts, with controlled pressure to create the variegated texture reflecting the construction process.
- » Water is used throughout as an aid for contemplation; fountains within the main gallery and the courtyard provide ambient sound while a still reflecting pool to the south reflects the surrounding trees.

PERSPECTIVES

The center has more than fulfilled its expectations as a venue to relieve stress and replenish the spirit of the Stanford community. The building is the first of its kind on campus and represents a paradigm shift in the understanding of mental health as it relates to one’s environment. The site is central to campus life, adjacent to dormitories, and set off from the bustle of the central campus enough to encourage attendance as a destination. Oliveira visited the final site selected just weeks before his death in 2010. From founder Leland and Jane Stanford’s desire to educate students in order to have a fulfilled life, Stanford has always sought to provide for their students’ emotional and intellectual needs. This project and program was a direct result of that desire. The building itself, with its emphasis on engaging all of the senses, furthers and deepens that mission by focusing on self-discovery.

“The design of this building has resulted in an extremely successful and well loved building on campus. It delivers the message that in the twenty-first century, the quality of intellectual endeavor is directly linked to fulfilling one’s emotional and spiritual needs,” says David Lenox, University Architect, Director of Campus Planning.



Photographs courtesy of Matthew Millman Photography.

MERIT AWARD FOR EXCELLENCE IN ARCHITECTURE FOR A NEW BUILDING

SAINT JOHN PAUL II BUILDING

Australian Catholic University, Banyo Campus for Saint John Paul II Building with Conrad Gargett

JURY COMMENTS

“... loved how the geometry was used ... moving gesture toward fulfilling the Jesuit traditions ...”

PROJECT HIGHLIGHTS

- » Project cost: \$21 Million
- » Construction cost: \$16 Million
- » The physical planning of the building was defined in three dimensions by three axes: central, logistic, and vertical. The central axis sets the building symmetry. The logistic axis provides spatial and organizational discipline. The vertical axis is symbolic, conceptually connecting man with the sky.
- » Quotations from Saint John XXIII were integrated into the flooring pattern to enhance the Catholic identity. A specialist art installation professional was commissioned to carry out the custom stainless steel letterings, cast into colored concrete panels, to form a crucifix pattern mirroring the crucifix plan of the public spaces.
- » A graphic artist was commissioned to create art panels with the quotations installed at intersections of the axes.
- » Universal access was designed for all rooms, facilities, amenities and public spaces, fitment and equipment, with hearing augmentation for all learning spaces. Where change in level was unavoidable, an elevator was provided.
- » The building has been recognized by ACU executives as the best mission building within all campuses.

PERSPECTIVES

The Saint John Paul II Building was a key part of ACU’s vision for the Brisbane campus, and a cornerstone of the 2012 master plan. It was conceived as a landmark for the campus community, and designed for state-of-the-art learning, research, and public engagement. As an academic building, it symbolizes the university’s value proposition, embeds its sense of Catholic identity, and engages the campus with its communities, strategic partners, and society.

The arced form of the building embraces the Community Court and provides the enclosure that sets the Holy Spirit Chapel as the focus and the heart of campus. The images of the heritage building with the landmark tower reflected in the glass façade of the new building heighten the community’s awareness of the significance of the site heritage. The building extends the continuity and constancy concept adopted for the campus master plan in its siting, planning, and design, as well as in its treatment and material selection to achieve a high level of consistency and visual coherence. Other key design processes and solutions that could be recommended for other university planners include enduring framework in which to sustain change and growth, and inclusion of academics/users in the hands-on project control group.

“The building symbolizes the university’s value proposition, embeds our sense of Catholic identity, and engages the campus with our communities, strategic partners, and society,” says Professor Jim Nyland, Associate Vice-Chancellor.



Photographs courtesy of Toby Scott Photography.

MERIT AWARD FOR EXCELLENCE IN ARCHITECTURE FOR A NEW BUILDING

BLACKSTONE RESIDENCE HALL

Biola University for Blackstone Residence Hall with Millie and Severson General Contractors, and Gensler

JURY COMMENTS

“. . . decreasing dorm size and increasing community space should be a trend . . . form in which they made this ‘70s building fit is striking . . . playful . . .”

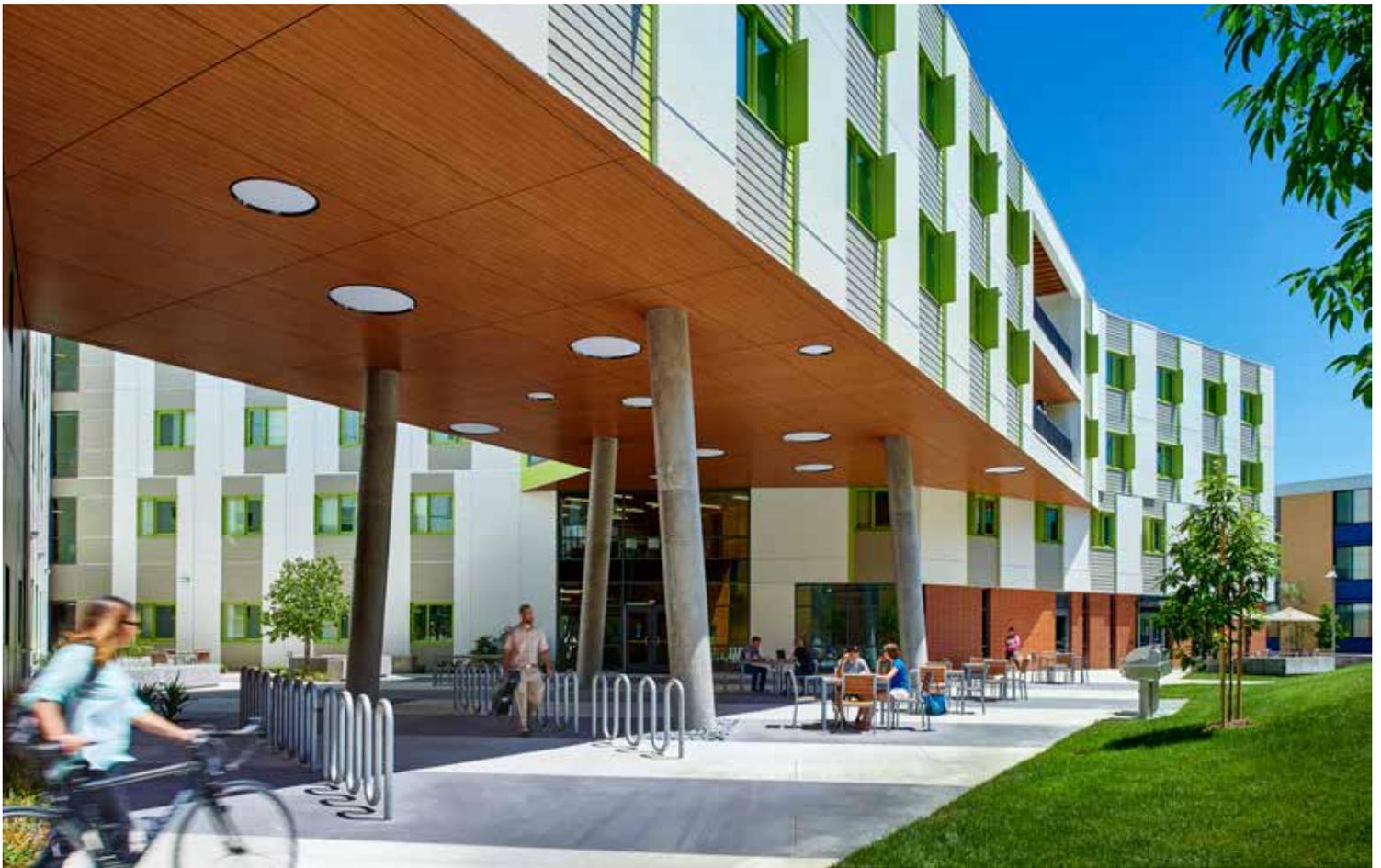
PROJECT HIGHLIGHTS

- » Project cost: \$20.5 Million
- » Construction cost: \$17 Million
- » Third-party sustainability rating: LEED Gold
- » The three-part goal was to create a better resident life experience, offer rooms at the most affordable rate on campus, and maintain institution-grade construction quality.
- » The angular form of the building proved to be highly efficient and the best neighbor to the old dorm, setting up a variety of framed exterior spaces that provide outdoor amenities for both.
- » The project established a distinctive framed courtyard that gives vitality to old and new, and creates a singular memorable place.
- » The project hits a benchmark of 180 gsf per bed while allocating about 15% of the area to commons.
- » The unique footprint of the building provides the needed room capacity and maximizes usable open areas of different scales around the building.
- » A loadbearing steel stud structural system over geopiers outperforms conventional wood framing typical for this class of building.
- » Asphalt from the former parking lot was used to fill in the geopiers, diverting them from landfill.
- » Smart systems allow monitoring, control energy use, and reduce waste with both active and passive controls.
- » The project calculates out to 22% lower than the national average cost per bed.

PERSPECTIVES

A key planning strategy to enhance the resident-life culture was shifting square footage to community-life spaces from private dorm spaces. Students report great satisfaction with the increased community amenities and appreciate a smaller room that also comes with a smaller price tag: approximately 10 percent lower. The building frames exterior spaces in between, creating distinctive courtyards that are now shared with the ‘70s era dorm that lacked quality outdoor space. As a result, interest in the old dorm has increased. Together the two halls frame one distinctive and memorable place on campus.

“One of the key values of our residence life area is to challenge students to move beyond self into community,” says Brian Phillips, Senior Director of Facilities Management at Biola. “The building design encourages students to live together in community rather than in isolation, embodying the culture and values of the university. The project met the financial requirements of the bond issue and provided a highly affordable new housing option for students,” he adds.



Photograph courtesy of Stephen Whalen Photography.



Aerial Photo of the New Residence Hall with the Old Photograph courtesy of Stephen Whalen Photography.

MERIT AWARD FOR EXCELLENCE IN ARCHITECTURE FOR A NEW BUILDING

WESTSIDE 1 BUILDING

Central New Mexico Community College for Westside 1 Building with Gould Evans; also Design Plus; Jaynes Corporation; Bridgers & Paxton; RMEabq; Wilson Engineers

JURY COMMENTS

“... provides a much-needed social centerpiece . . . doing so much for the community . . . functional yet beautiful . . .”

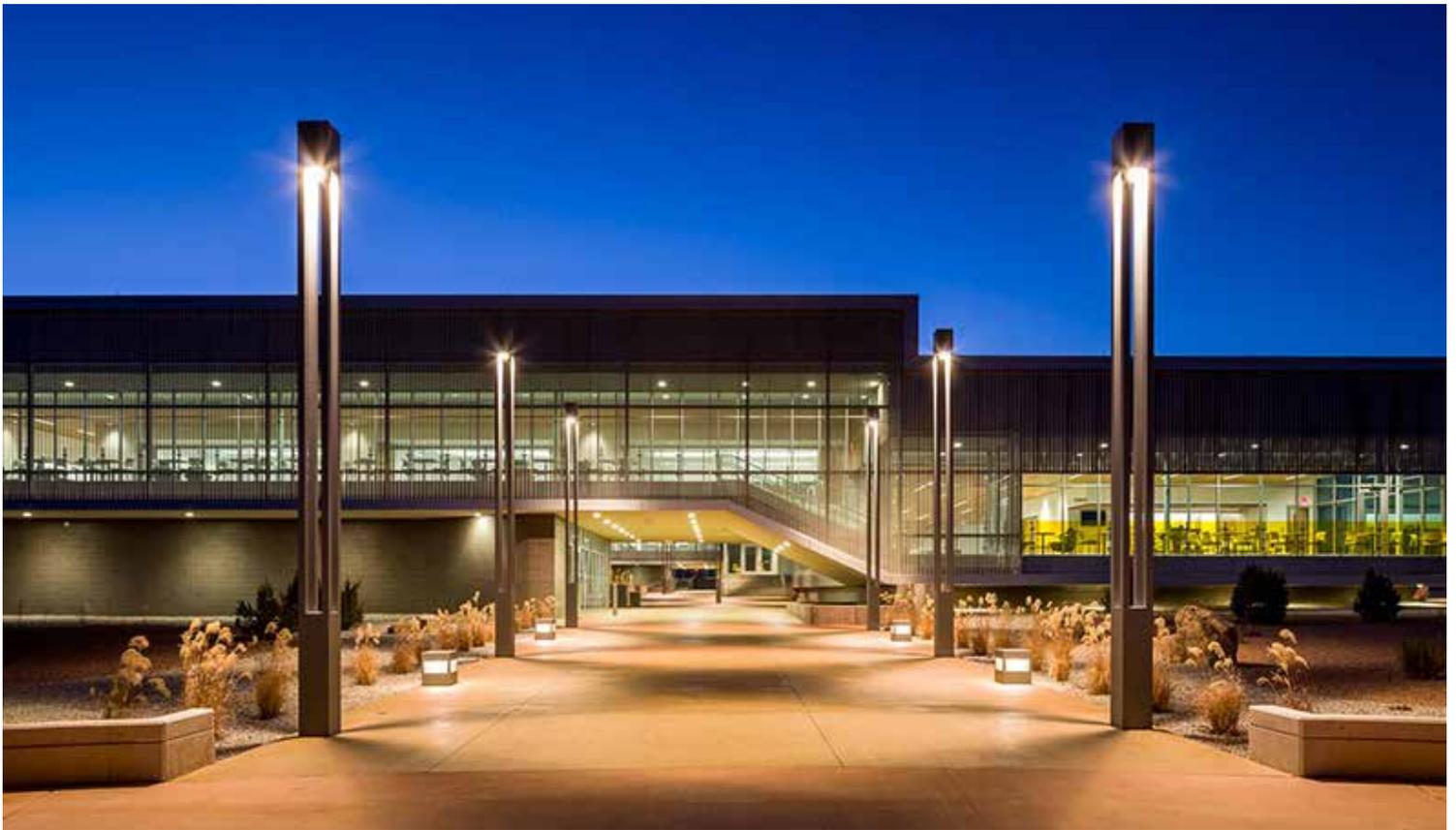
PROJECT HIGHLIGHTS

- » Project cost: \$24 Million
- » Construction cost: \$18.2 Million
- » Third-party sustainability rating: Meets 2030 Challenge; Designed for LEED minimum Silver Certification
- » CNM’s West Side Campus (WS1) involved comprehensive master planning, sustainable design, programming, new construction, interior and graphic design, and renovation of an existing student services department.
- » Energy efficiency includes a self-shading envelope, daylighting controls, and a geothermal energy system. Energy modeling indicates a 60% energy reduction, which upholds the AIA 2030 Challenge. The building is clad with glazing to reflect the sky and to bring natural light into every space. A perforated metal scrim shades the glass. Neutral cast-in-place concrete and masonry reference the natural colors of the mesa.
- » Sited between the campus’s two existing buildings, WS1 aligns with a central plaza. An east-west entry portal links the existing plaza, new courtyard, and future campus pathways.
- » Each office pod houses 10-12 faculty members in an open floor plan. Conveniently distributed along the Learning Commons Loop and near class and study rooms, the faculty pods encourage students and faculty to cross paths in an impromptu way.

PERSPECTIVES

Study of seasonal mesa wind patterns, solar exposure, and circulation pathways resulted in WS1’s protected courtyard form, a typology that will influence future building shapes and orientation to maximize habitable outdoor spaces. By broadening and expanding the building’s primary circulation pathway, a vibrant open space was created to study and encourage faculty-student interaction. WS1 establishes its campus identity and sense of place through its exterior materiality and form, accessibility, adaptability, and warmth of its interior spaces. Views to the Sandia Mountains root building occupants to Albuquerque’s striking natural landmark. The building distinguishes itself with the Learning Commons Loop and the Faculty Office Pod. By making it the primary circulation space and looping it around the entire central courtyard, the Learning Commons becomes an open, welcoming living room that exposes busy students to a breadth of academic resources. Filled with natural light, the commons offers collaboration, gathering, and study spaces for faculty, staff, students, and visitors.

“The campus continues CNM’s mission to enable student success, embrace diversity, and build community,” says Luis Campos, Executive Director, Physical Plant Department.



Photograph courtesy of Kirk Gittings Photography.



Photograph courtesy of Art Gray Photography.

MERIT AWARD FOR EXCELLENCE IN ARCHITECTURE FOR A NEW BUILDING

KAWARTHA TRADES + TECHNOLOGY CENTRE

Fleming College for Kawartha Trades + Technology Centre with Perkins+Will; also Stephenson Engineering; MCW Consultants Ltd.; Fleisher Ridout Partnership Inc.; D.M. Wills Associates Limited

JURY COMMENTS

“... it has distinct academic options ... fits in with the rest of the campus ... very nice how it projects up into the second story ...”

PROJECT HIGHLIGHTS

- » Project cost: \$42 Million CAD
- » Construction cost: \$35 Million CAD
- » Size: 87,000 sq ft
- » Third-party sustainability rating: LEED Gold
- » The Kawartha Trades + Technology Centre (KTTC) integrates the Skilled Trades faculty, a former satellite function of the college, into the heart of its main Sutherland Campus as part of a broader master plan renewal effort.
- » The KTTC uses its sloping site to stratify the program into two levels. The upper level—a series of classrooms, administrative spaces, and common areas—establishes the more public domain of the building and establishes a dynamic new threshold to the campus. The lower zone has highly supervised, utilitarian spaces and allows direct access to the learning factory and workshop from a large outdoor loading zone and staging area. A sunken courtyard extends the workshop areas and increases access to natural daylight and ventilation.
- » The project blends applied learning spaces, high-tech workshops, and project areas with theoretical teaching rooms, including various SMART classrooms and integrated breakout spaces.
- » Common spaces expand the teaching environment and culture of learning: Wi-Fi-enabled touch down counters, comfortable lounge seating, and integrated chalkboard walls.
- » The building is distinguished by a dramatic 12m cantilevered roof framing the main entrance to the building and set seamlessly into the surrounding natural landscape through an integrated series of landscaped plaza spaces and wetlands zones surrounding a new stormwater retention pond.
- » The new centre has created a 13% increase in enrollment for the school.

PERSPECTIVES

A pivotal location and bold material palette, inspired by the industrial lineage of the building programs and natural surroundings of the campus, have re-identified trades and technology as desirable academic options. This has resulted in renewed interest in these programs and a dramatic increase in enrollment, most notably among women. The didactic nature of the building facilitates new opportunities in the programs and teaching curriculum, providing students an active role in building operation monitoring. This role is further reinforced through the fully accessible teaching terrace on the roof, fit out with a green roof, wind turbines, and PV array. This affiliation between training and employment has boosted enrollment, identified new revenue streams, and stimulated job growth within the surrounding Kawartha region.



Photographs courtesy of Tom Arban Photography.

MERIT AWARD FOR EXCELLENCE IN ARCHITECTURE FOR A NEW BUILDING

LIFE SCIENCES BUILDING

Loyola Marymount University for Life Sciences Building with CO Architects; also Thornton Tomasetti; IBE Consulting Engineers (now Stantec); KPF Consulting Engineers; Research Facilities Design; Whitin Design Works; KGM Architectural Lighting

JURY COMMENTS

“... great sustainability efforts ... loved the green roof ... very commanding feature ...”

PROJECT HIGHLIGHTS

- » Project cost: \$110 Million
- » Construction cost: \$81 million
- » Third-party sustainability rating: LEED Gold Certified
- » The building is sited on an existing parking lot and replaces and augments lost parking via an integrated solution that puts parking under the building.
- » The design combines restrictive vibration requirements and structural lab and parking grids into a three-story, below-grade structure while defining a central courtyard with an adjacent hall. The interior courtyard is consistent with historic mission courtyard buildings and is open and welcoming with exterior balconies and stairs.
- » The 98,500 gsf Life Sciences Building and 110,000 sq ft below-grade parking structure serve an undergraduate campus of 9,295 students.
- » The green roof promotes a healthy lifestyle, filters rainwater, and serves as a vehicle for student-led research. It connects all three floors of the building.
- » The photovoltaic array defines a gateway entry, shades exterior spaces, and protects glazing while providing 10% of the building's energy.

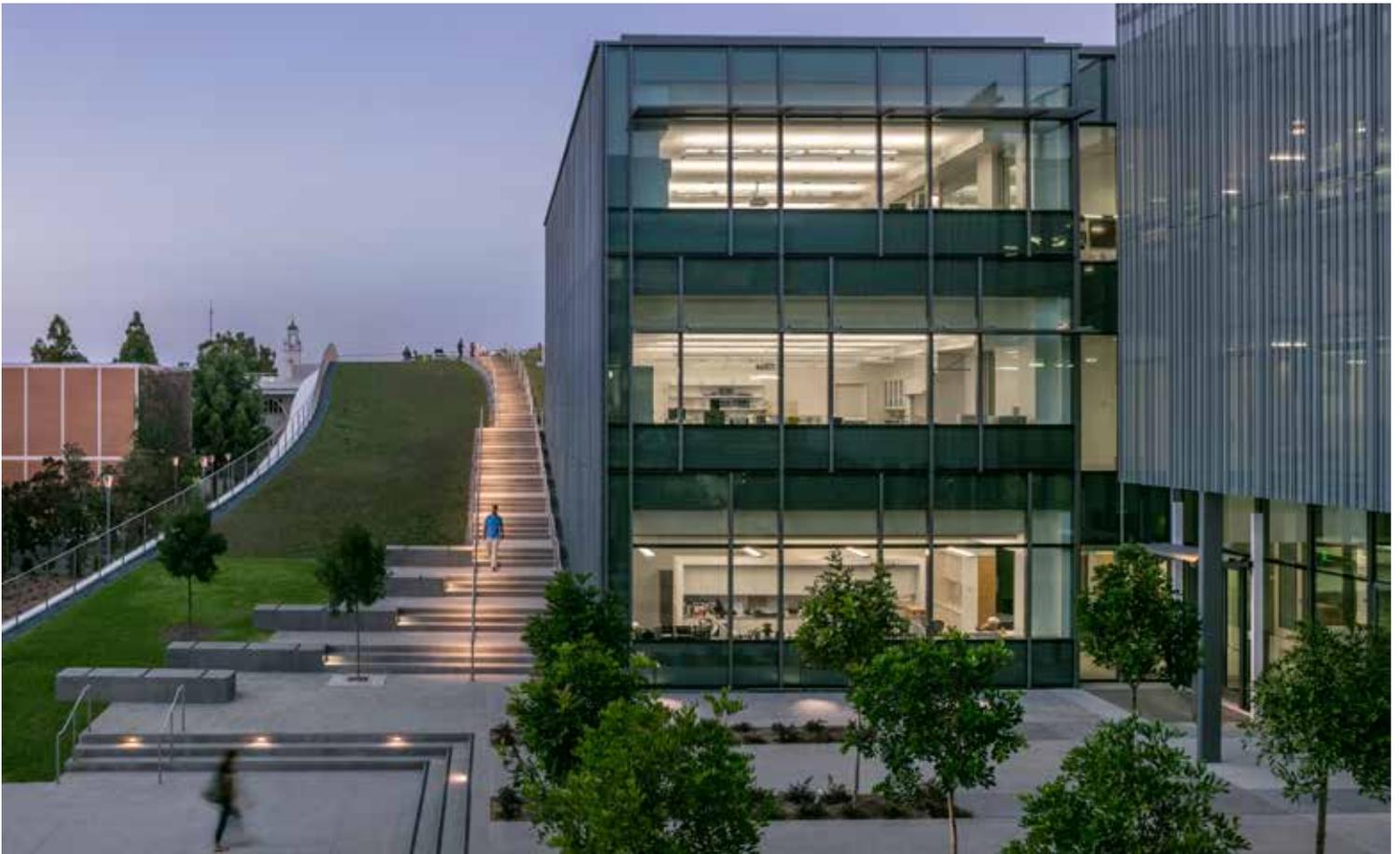
PERSPECTIVES

At the forefront of planning was the concept that the sciences had to break out of their habits of insular research and teaching and come together to promote collaborative, interdisciplinary interaction. The building reflects this mission to break down departmental barriers and bring people together inside and outside the laboratories by providing open, light-filled meeting spaces, large glass walls separating corridors and the laboratories, and the promotion of science on display to allow clear lines of vision onto the important work being conducted within. The facility established new standards for science education and contributes to new building and site standards for the entire campus. It is a teaching tool, a beacon for sustainable practices, and an active participant in the education of the whole person.

“Our project is unlike any other undergraduate STEM project in the country, and has supported more collaborative efforts between our faculty and students in the few months that we have been open. The project attracts students from all over campus and serves as a focal point. Sustainability measures employed in the design allow the building itself to become a teaching tool. We are only beginning to understand the impact this building will have on our science programs and our overall campus enrollment and faculty recruitment efforts. We have fundamentally changed STEM education at Loyola Marymount University and have guaranteed our university's future success,” says S.W. Tina Choe, Professor and Dean.



Collaborative Space Adjacent to Chemistry Lab and Grand Stair *Photograph courtesy of Timmerman Photography Inc.*



Looking North to Open Labs and Green Roof *Photograph courtesy of Timmerman Photography Inc.*

MERIT AWARD FOR EXCELLENCE IN ARCHITECTURE FOR A NEW BUILDING

SETON HILL ARTS CENTER

Seton Hill University for Seton Hill Arts Center with designLABarch; also BSHM Architects; Karpinski Engineering; Gateway Engineers; Paller & Associates

JURY COMMENTS

“... this is a big investment by the university and will make a significant, positive difference to the city of Greensburg ... lively, welcoming space ...”

PROJECT HIGHLIGHTS

- » Project cost: \$14.1 Million
- » Construction cost: \$10 Million
- » Size: 48,000 sq ft
- » Site area: 2 acres/48,000 sq ft
- » The university secured half of the funding for the 45,000 sq ft facility from a State of Pennsylvania Economic Development Grant, requiring that all building products containing metal or steel be sourced and fabricated in the U.S.
- » Envisioned as a new interdisciplinary facility that brings together community and university, the design team developed a plan to build an arts center off the College Hill campus on an industrial commercial site.
- » The Arts Center would become an economic catalyst for Greensburg’s declining retail core.
- » An insulated cellular polycarbonate panel system provides diffused natural light in all studio spaces. The soft glow of the panels, natural birch doors, and millwork with red accents balance the composition.
- » The form, composition, and materials all pay homage to the great legacy of the region’s early steel manufacturing buildings.
- » Studio spaces for traditional disciplines such as painting, drawing, printmaking, wood, ceramic, and metal sculpture and the tech-heavy digital and graphic arts were included along with three dance studios.

PERSPECTIVES

Harnessing the region’s industrial legacy and the university’s focus on the arts, the building is a straightforward, cost effective, and energy efficient “Metal Shed” with a diversity of art studio and teaching spaces. Students from various arts disciplines can collaborate, share ideas and techniques, and connect with their community. The relationship between the university and host town has grown considerably. Various community outreach initiatives including children’s, seniors, and art therapy classes enrich the community and broaden the experience of students. The project expands community-university partnerships and positions the Arts Center as an economic catalyst for the Greensburg’s declining retail core and enhancement of its cultural district aspirations.

“The Seton Hill Arts Center project has been a tremendous success in every way,” says Curt Scheib, Chair, Division of Visual and Performing Arts at Seton Hill. “The building will enable a strong and continued growth in the university’s programs in the arts as well as the continued renaissance of the city of Greensburg,” he adds.



Photograph courtesy of Jonathan Hillyer.



The Workyard Gate, Open and Welcoming to Students and Community Photograph courtesy of Jonathan Hillyer.

HONORABLE MENTION FOR EXCELLENCE IN ARCHITECTURE FOR A NEW BUILDING**OECHSLE CENTER FOR GLOBAL EDUCATION***Lafayette College for Oechsle Center for Global Education with GUND Partnership***JURY COMMENTS**

“... lovely clarity ... very elegant expression of a very typical building ... created something really great ...”

PROJECT HIGHLIGHTS

- » Total project cost: \$11.2 Million
- » Construction cost: \$9 Million
- » Envisioned as a 24-hour campus hub, the Oechsle Center establishes global education as a symbol of academic innovation and curricular relevance.
- » A traditional computer lab evolved into a global studio to support traditional pedagogies.
- » Active student-centered learning with a movable wall become part of the floor’s wider network of collaborative spaces.
- » The building is comprised of two gabled wings at right angles, joined by the glass stairwell/atrium. The dominant east/west axis conforms to the axes of surrounding buildings while the smaller north/south cross gable frames and supports the path to another hall.
- » Ashlar stone was chosen for the exterior, tying it to other buildings on campus. The pattern appeals to campus traditions, yet the detailing is contemporary.
- » A multi-hued gray stone from Connecticut integrates well and expresses local masonry traditions.
- » Inside several “global Wood Walls” use reclaimed wood, based on the population of each continent: Asian wood represents 50% of the total, North American represents 7.9% and Oceania represents .5%.
- » The design has many original elements including third floor windows that are expressed as dormers to form a meeting of the façade and roof.

PERSPECTIVES

The guiding principle of multi-disciplinary, diverse voices meeting under a single roof determined form and location of programmatic elements. This translated directly into the program and design of the building. The building’s open and inclusive design encourages the Lafayette community to enter and partake of the global dialogue. All of the major teaching spaces, social spaces, and department offices are visible from the atrium, exposing passersby to the inner life of the building. It is conceived as a beacon of global learning with interior spaces that facilitate a rich, worldly dialogue on issues facing the nation and world.

The president of the university said, “Connecting the classroom to the world outside our walls is at the core of the college’s mission. The initiatives reflect our commitment to meet the needs of our students and graduates in a complex, rapidly changing world.”



Photographs courtesy of Halkin Mason Photography.

HONORABLE MENTION FOR EXCELLENCE IN ARCHITECTURE FOR A NEW BUILDING

THE ISABEL BADER CENTRE FOR THE PERFORMING ARTS

Queen's University for *The Isabel Bader Centre for the Performing Arts* with *Snohetta*; also *N45 Architecture Inc.*; *Arup Acoustics*; *Theatre Projects Consultants*; *Marshall & Murray*; *Stantec*; *ARUP*, *Architectural Lighting*, *MGAC*

JURY COMMENTS

“... beautiful setting ... adds a lot to what they are doing inside ... stunning performance hall ...”

PROJECT HIGHLIGHTS

- » Project cost: \$72 Million CAD
- » Construction cost: \$51 Million CAD
- » Size: 97,835 sq ft/9,089 m²
- » Site area: 145,000 sq ft/13,500 m²
- » Third-party sustainability rating: LEED Silver
- » Located a 6-minute drive from the main campus, “The Isabel” is the university’s first satellite building.
- » The historic 1830 Morton Brewery site was selected. The team reclaimed and recycled wood flooring, structural columns, and beams discovered in the buildings.
- » The quality of acoustics, performance spaces, and front of house spaces were most important, so the budget was refocused to address these issues.
- » By preserving the open lobby, the expansive views of the waterfront make it a very popular social space.
- » The centerpiece is the 566-seat performance hall. Its interior architecture references geological patterns of the area’s local rock strata and Kingston’s famed role as limestone capital of Canada.
- » The building provides a 100-seat studio theatre with flexible configurations for student or community uses, a 90-person screening room, teaching and rehearsal space, gallery, sound studio, and recording facilities.

PERSPECTIVES

Since opening the Isabel Bader Centre, the arts at Queen’s University have blossomed, fostering the development and implementation of true interdisciplinary collaborations and reinforcing the university’s aim to strengthen its arts offerings. The world-class performance hall, the only one of its kind in the region, provides a competitive advantage to Queen’s students and faculty, and allows its students to learn from world-renowned musicians to enhance their education. It provides audiences and artists access to world-class cutting-acoustic quality.

“The Isabel” is unique in the number of important and diverse roles it plays for Queen’s University. It is an arts venue, a learning centre, an incubator of talent, a trainer in the next generation of arts leaders, a producer and presenter of innovative works, an investor in creativity, an artistic focal point, and a vibrant site of cultural expression. The architects understood this vision, and executed it far beyond where our own imaginations could have taken us,” says Tricia Baldwin, Director. “This architecturally stunning and acoustically superior performance hall brings to life a transformative vision for collaborative creative arts in Canada,” she adds.



Photograph courtesy of Lorne Bridgman Photography.



Lobby Photograph courtesy of DoubleSpace Photography.

HONORABLE MENTION FOR EXCELLENCE IN ARCHITECTURE FOR A NEW BUILDING

GOLDRING CENTRE FOR HIGH PERFORMANCE SPORT

University of Toronto for the Goldring Centre for High Performance Sport with Patkau Architects + MacLennan Jaunkalns Miller Architects in Association

JURY COMMENTS

“... liked the problem solving aspect of the project . . . good relationship to the athletic field . . . impressed by what they had to do for construction . . .”

PROJECT HIGHLIGHTS

- » Construction cost: \$59.2 Million CAD
- » Size: 140,000 gsf
- » Size: 75,000 asf
- » Site area affected by the project: 40,675 sq ft
- » Third-party sustainability rating: Design to LEED Gold/Conforms to Toronto Green Building Standards
- » The 140,000 sq ft Goldring Centre forms a new and vital hub for sports, research, and therapy, serving high-performance varsity athletes and the campus community. Located on a tightly constrained infill site next to Varsity Stadium on the downtown campus, it is the final of three phases creating a campus athletics precinct.
- » The primary objective brings researchers, graduate students, sport scientists, athletic therapists, coaches, and athletes together to create Canada’s leading sport institute, and provide gathering spaces for students.
- » The field house was too large to fit within the zoning envelope. The solution was to excavate and place the courts below grade, where they could occupy the full width of the site. To preserve the clear span required by the field house, the conditioning centre and upper floors are suspended above from 180-foot-long trusses.
- » Fourth floor research and clinic spaces house sensitive MRI, x-ray, and high-performance testing equipment. The second floor houses fitness, aerobics, and Olympic weightlifting platforms. These competing requirements needed to be compatible within a 180-foot-long bridge building prone to vibration and deflection. Stiffness, weight, careful testing and re-testing was undertaken to meet these challenges.

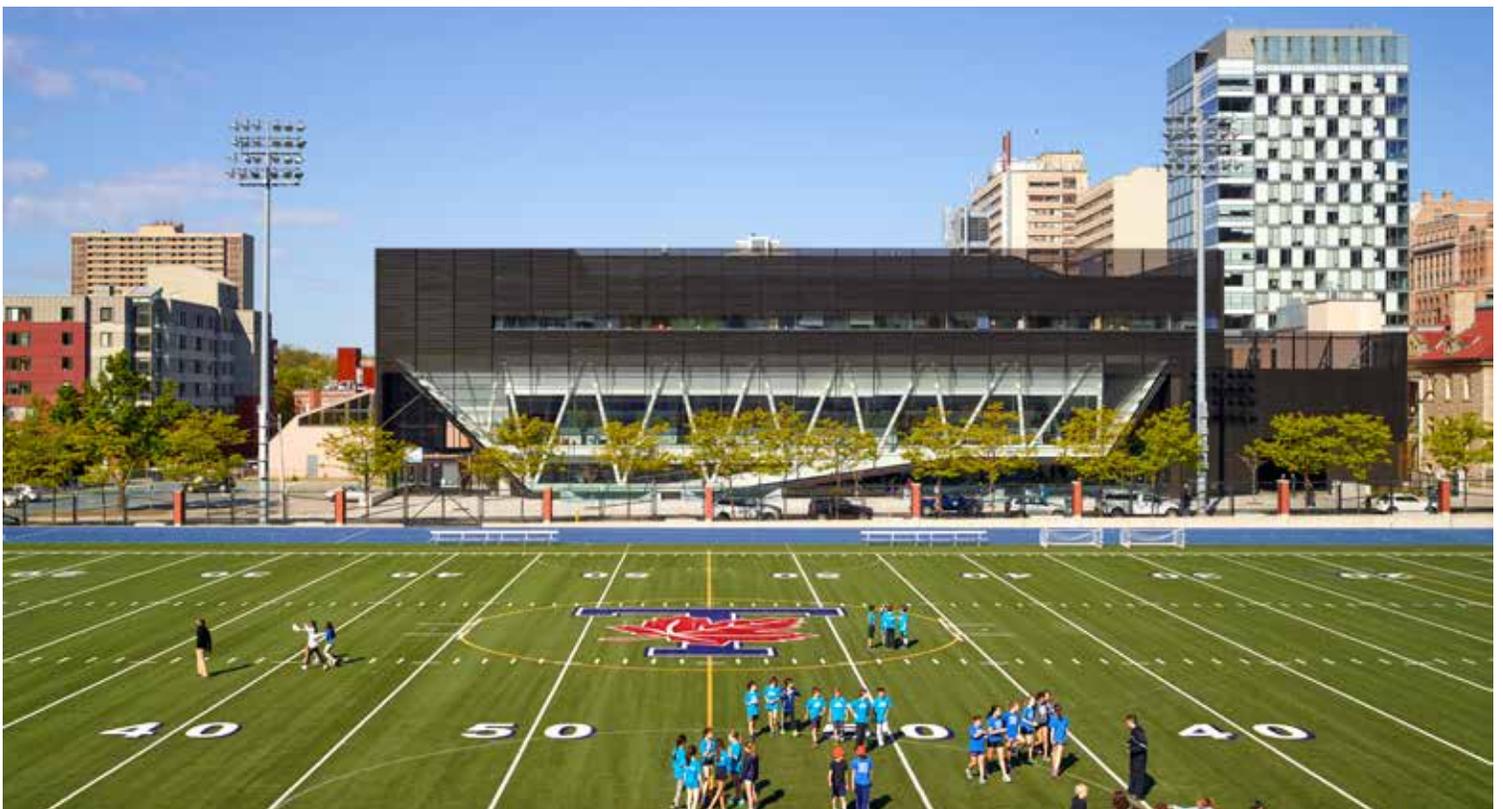
PERSPECTIVES

This new facility will allow the university to attract and retain high-performance athletes. The Goldring Centre elevates athletic facilities within the campus’s imagination, and reflects the critical importance of fitness and wellness in campus life. Open to Varsity Field, it establishes a direct link between training and performance, preparation, and success. The facility allows athletes, students, researchers, and physicians to participate and learn from performance pursuits and research through an ongoing feedback loop.

“The new centre has surpassed that which we thought would be possible. It is a building that will inspire students, athletes, coaches, trainers, faculty, staff, and community members today and for years to come,” says Professor Ira Jacobs, Dean, Faculty of Kinesiology and Physical Education.



Photograph courtesy of DoubleSpace Photography.



Photograph courtesy of Shai Gil.

HONORABLE MENTION FOR EXCELLENCE IN ARCHITECTURE FOR A NEW BUILDING

THE LOFTS OF WASHINGTON UNIVERSITY

Washington University in St. Louis for The Lofts of Washington University with William Rawn Associates, Architects, Inc.; also Tao + Lee Associates, Inc.; LeMessurier Consultants, Inc.; KPFF Consulting Engineers; Stephen Stimson Associates; James Fetterman Landscape Architects (DTLS); Ross & Baruzzini; Cole; Horton Lees Brogden Lighting; R.W. Sullivan Group; Kalin Associates; Open Fields Design; Forum Studio; Geotechnology, Inc.; Acentech; Walker Parking Consultants; Paric Corporation

JURY COMMENTS

“... very playful . . . they reinterpreted how to create light as art . . .”

PROJECT HIGHLIGHTS

- » Size: 280,000 gsf/205,000 nsf
- » Third-party sustainability rating: LEED Platinum Certified
- » This mixed-use development includes ground floor retail and loft style apartments for 415 students. It represents the university’s efforts to revitalize its surrounding neighborhood by locating student apartments in a vibrant 24-hour urban district six blocks from the university.
- » Sustainable goals led to materials with these qualities:
 - » 82% of waste diverted from landfills
 - » 25% recycled content
 - » FSC-certified wood products
 - » Over 40% regional materials
- » Materials were used in the following ways:
 - » High-efficiency envelope
 - » Solar thermal and photovoltaic panels
 - » Green roof systems
 - » Rainwater harvesting cistern
 - » Multiple densely planted bioswales

PERSPECTIVES

The project incorporates transparency and color that contribute to activity along Delmar Boulevard. The façade and building massing reflect the verticality and scale of the adjacent buildings. The project extends the existing network of retail outlets, infilling a prominent street corner site that was previously empty. Residence life holds a sustainability summit each year and meets with incoming residents to discuss the energy saving systems and sustainable initiatives (such as point of use HVAC controls, occupancy sensors, and bike facilities).

“We are very interested in the connectivity of our institution with its community both globally and locally. By embedding students in this vibrant neighborhood of St. Louis during their time of study in a supportive academic housing community administered by Residential Life, we hope this project offers a model for other universities as they look for ways to stabilize and revitalize areas adjacent to campus and form strategic partnerships with the community,” says Nancy Marshall, Project Manager.



Photograph courtesy of Tom Paule Photography.



Photograph courtesy of Fentress Photography.

HONOR AWARD FOR EXCELLENCE IN ARCHITECTURE FOR BUILDING ADDITIONS, RENOVATION OR ADAPTIVE REUSE

UNDERGRADUATE TEACHING LABORATORIES

Johns Hopkins University for Undergraduate Teaching Laboratories with Ballinger; also with The Whiting-Turner Contracting Company; Mahan Rykiel Associates; RK&K

JURY COMMENTS

“... creative footprint . . . plunging landscape below the cantilever is really great . . . nice community space . . . nice connection to nature . . .”

PROJECT HIGHLIGHTS

- » Construction and project cost: \$45 Million | \$62 Million
- » Size: 105,000 sq ft; Site area - 1.5 acres
- » Third-party sustainability rating: LEED Platinum anticipated
- » The natural science commons is a focal point for the science community and a hub for peer-to-peer learning across disciplines. Constructed on top of an existing 300-seat lecture hall, it required demolishing the existing roof terrace, erecting the structure, and enclosing and waterproofing the space.
- » Dual enthalpy wheel neutral temperature HVAC system provides long-term flexibility that can satisfy either air change or heat load driven labs without any terminal reheat. The resultant EUI of 180kBTU/sf/yr is remarkably low considering the very high chemical fume hood density (143 total or one per 740 gsf). The national average for a building of this type is 350-400kBTU/sf/yr.
- » Roof areas drain into the rain garden basin to maximize groundwater recharge and minimize runoff. The rain gardens are less formal than the rest of the campus, contributing to a sense of place.
- » The building includes a highly efficient ventilation system using neutral temperature air and chilled beam terminal units to reduce anticipated energy use by 50%.

PERSPECTIVES

The natural science commons is an interaction point for the science community and a crossroads with the broader university, welcoming other disciplines into the realm of science.

“With its sweeping windows and open floor plans, the UTL invites collaboration, innovation, and invention. It is truly the hub of intellectual life for undergraduates in science. Professors are now able to evolve courses in which students really lead the research, have the freedom to move between the project lab, the computer lab, and the biophysics lab. Today’s science students need experience with modern tools, especially computational approaches. Students can explore how a gene evolved, how a protein might have existed in a primitive organ, and how it changed over time. The hypotheses produced can be tested experimentally in the lab. By breaking down departmental walls and letting students lead their learning, the UTL shifts the educational focus toward overarching ideas—the kind of ideas that could potentially change the world,” stated by Beverly Wendland, James B. Knapp Dean of the Krieger School of Arts and Sciences, and John P. Toscano, Vice Dean for Natural Sciences.



Photographs courtesy of
Jeffrey Totaro Architectural Photographer
+ Halkin Mason Photography.

HONOR AWARD FOR EXCELLENCE IN ARCHITECTURE FOR BUILDING ADDITIONS, RENOVATION OR ADAPTIVE REUSE**NIPPERT STADIUM**

University of Cincinnati for Nippert Stadium with Architecture Research Office; also Heery International; Parsons Brinckerhoff; Vivian Llambi and Associates, Inc.; THP Limited Inc.; Heapy Engineering; Browne E&C Services; BC+E Engineering; William Caruso & Associates, Inc.; Wrightson, Johnson, Haddon and Williams, Inc.

JURY COMMENTS

“... very nicely done, especially with the site constraints ... liked the pitch ...”

PROJECT HIGHLIGHTS

- » Project cost: \$86 Million
- » Construction cost: \$65 Million
- » Size: 115,000 sq ft
- » Third-party sustainability rating: LEED Silver
- » The challenge of this renovation project was to insert a 115,000 sq ft building into a tight space and provide outstanding spectator facilities and a stronger quality of the campus.
- » The project affirms Nippert as a public space; responds to key views from campus to the field; creates sensitive relationships to the adjacent buildings; enhances pedestrian circulation; provides appropriate programs and sightlines; and has flexibility for non-game-day uses.
- » A new West Pavilion building has premium seating (1,300 club patrons and 18 suites), spacious interior and exterior gathering spaces, amenities, and press facilities; a new footbridge; a pedestrian concourse around the west rim of the stadium; a new terrace with below-grade restrooms and concessions in Bearcat Plaza; and new restrooms, concessions, and circulation on the east side of the stadium.
- » Game-day capacity of the stadium was increased from 35,000 to 40,000.

PERSPECTIVES

The project extends UC's architectural design heritage, which is framed by the 1995 Master Plan that includes early twentieth century neoclassical architecture. The West Pavilion's massing defines spaces and views into the stadium with adjacent buildings and acknowledges the scale of Dieterle Hall (1910) that occupies the stadium's central axis. Diagonally oriented, parallelogram-shaped glass and metal panels establish a scale and repetitive rhythm that create a unified surface in deference to the varied articulation of surrounding buildings.

“We are so pleased to have this project on campus. It serves its specific function on game day very well and it now hosts many other events including student functions, which is most appropriate since the building is an addition to the Student Union. Our urban campus is a wonderful composition of historical and contemporary structures to serve our students, faculty, and staff along with the larger community,” says Mary Beth McGrew, University Architect and Senior Associate Vice President of Planning + Design + Construction.



Photographs courtesy of Jeremy Bittermann.



MERIT AWARD FOR EXCELLENCE IN ARCHITECTURE FOR BUILDING ADDITIONS, RENOVATION OR ADAPTIVE REUSE

BOSTON UNIVERSITY SCHOOL OF LAW

Boston University for Boston University School of Law with Bruner/Cott & Associates; also BR+A; Weidlinger Associates, Inc.; Richard Burck Associates, Inc.; Skanska USA; Acentech, Inc.; Atelier Ten; Colburn & Gayette; Faithful & Gould; Haley Aldrich; Kalin Associates; Nitsch Engineering; Rowan Williams Davies & Irwin, Inc.; Simpson Gumpertz & Heger

JURY COMMENTS

“... very impressed with repair and use of spaces between the buildings ... renovation is brilliant ... great integration between old and new ...”

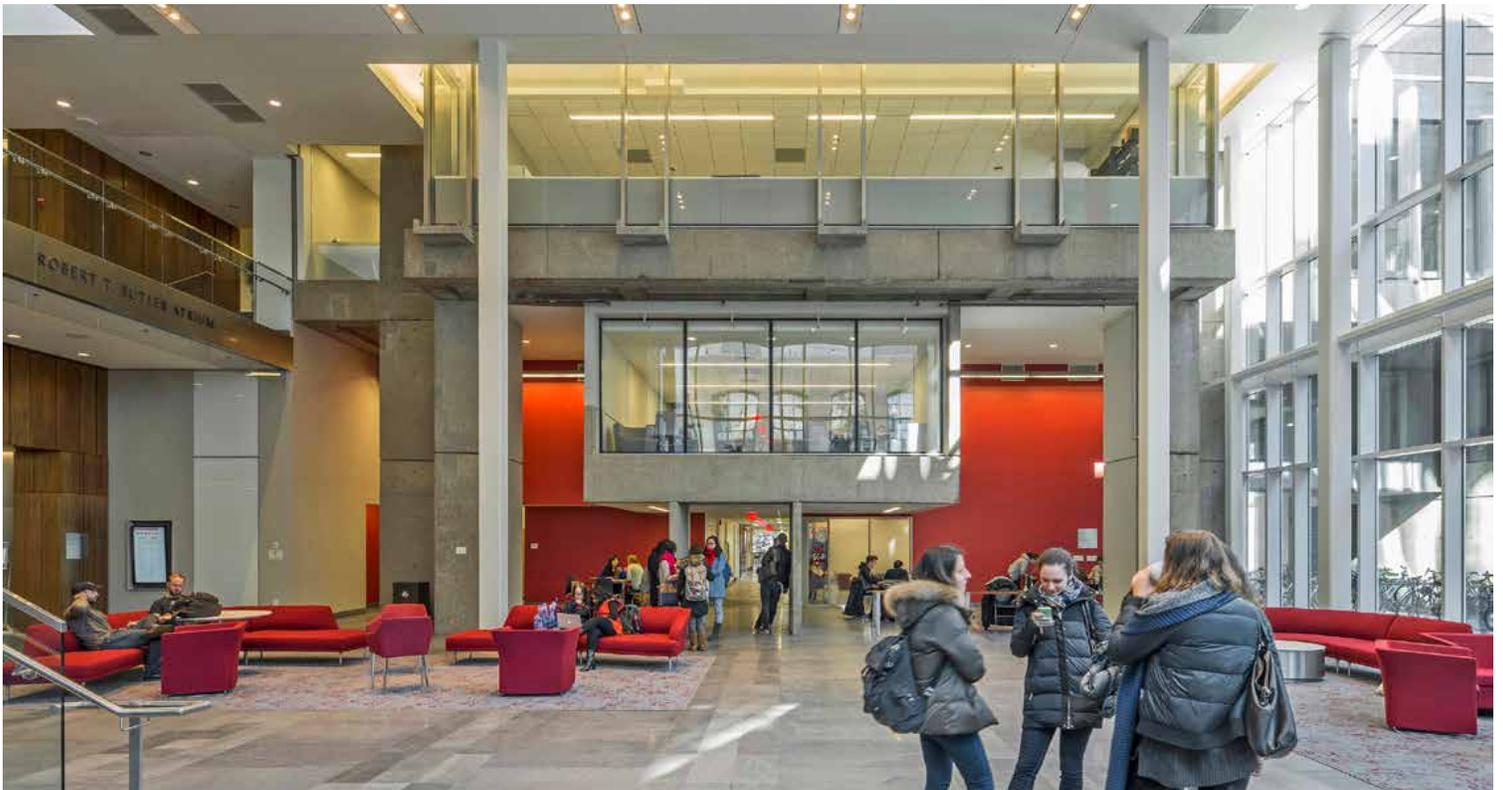
PROJECT HIGHLIGHTS

- » Project cost: Temporarily withheld at owner’s request
- » Construction cost: \$133 Million
- » Size: 254,000 gsf; site area - 108,000 sq ft
- » Third-party sustainability rating: LEED Gold Registered
- » Preservation work entailed complex concrete restoration measures to replace damaged steel and spalled concrete; use of cathodic protection at damaged areas; and replacement of windows and doors with high-energy performance and matching Sert’s original profiles. The colored steel ventilator panels were replaced in original green and red colors.
- » Design goals were to make the school a viable facility to support modern teaching practices and meet the university’s academic program, and restore the exterior of the historic Law Tower. The addition of approximately 93,000 gsf was designed and constructed, and the tower building was restored, reprogrammed, and rehabilitated.
- » The materials, color, and exterior detailing were calibrated to respect and complement the original buildings. It is clad in stone. Individual vertically proportioned windows are flush with the façade. The Commons is enclosed with a transparent glass curtain wall to connect the exterior and interior space.

PERSPECTIVES

The renovated 50-year-old Law Tower is a beacon for the university. The addition refocuses the entry along an active pedestrian campus path, providing a new and highly visible entrance that establishes a strong presence on campus. It provides a space for year-round gathering and social interaction that the former courtyard never could. Taken together, these elements increase the exposure of the School of Law to the Boston University community at large and encourage campus-wide, interdepartmental interaction.

“It’s like an entirely different school,” says Dean Maureen O’Rourke. “Students are everywhere, enjoying the many spaces for studying and socializing, which has increased interaction with faculty, the administration, and their classmates.” Student Government Associate President Meghan Kelly spoke about the impact of the Redstone Building on the student community: “With the new horizontal design, we will have so much more space to gather together as a community. Our community will flourish with the new study spaces and gathering areas, giving us even more room to interact and engage with one another.” BU’s decision to protect Sert’s tower and construct a new well-considered addition contributes to Boston’s rich architectural heritage, while actively transforming the learning experience of its students.



Above: Redstone Building Two-Story Entry with View of Sert Tower Base in the Background



Left: Restored 256-ft Tower with Cleaned Concrete, New Windows, and Green and Red Panels (Sert's original colors Visible to the Right, The Glass Curtain Wall of the Cantilevered Top Floor of the Redstone Building

Photographs courtesy of Richard Mandelkorn.

MERIT AWARD FOR EXCELLENCE IN ARCHITECTURE FOR BUILDING ADDITIONS, RENOVATION OR ADAPTIVE REUSE**STM LABORATORY RENOVATION AND EXPANSION**

Gallaudet University for STM Laboratory Renovation and Expansion with Studio Twenty Seven Architecture; also Page/SST Planners; Interface Engineering; Robert Silman Associates; Savills-Studley; MAG-Lighting Design, LLC; Odessa Architecture; Phoenix Noise & Vibration

JURY COMMENTS

“... very exciting ... good opportunity to encourage architects towards more accessibility ... accessibility can be beautiful ...”

PROJECT HIGHLIGHTS

- » Project cost: \$17 Million
- » Construction cost: \$11.5 Million
- » Size: 62,910 gsf/44,829 asf
- » Third-party sustainability rating: District of Columbia Green Building Program
- » The project provides state-of-the-art research and support facilities for the university’s expanding sciences program.
- » Technology was integrated into laboratory, classroom, and study spaces to support deaf educational pedagogies. Communication Access Realtime Translation (CART) is in classrooms and laboratories.
- » Echo360 Active learning video streaming and projection facilitate distance learning and accessibility to ASL educators and students around the world. Touch-to-sign (ASL) camera tracking relays signing intra-classroom videoconferences.
- » The project establishes a new standard for lighting controls, solving a conflict between the traditional use of light for notification within the deaf community (instead of, for instance, a door knock) and automated light control systems for daylight harvesting and energy efficiency.

PERSPECTIVES

DeafSpace is a concept developed at Gallaudet referring to the deaf experience within the built environment. The DeafSpace Design Guidelines are a catalog of best practices for building design that is conscious of and sensitive to deaf and hard of hearing individuals. The project represents a significant advance in DeafSpace research and a successful model for the further implementation of the university’s DeafSpace Master Plan. It reinforces Gallaudet as the epicenter of research, innovation, and outreach.

“Our vision is to build upon our rich history to become the leading international resource for research, innovation, and outreach related to deaf and hard of hearing people. This project establishes cutting edge trends in 21st century laboratory and educational space design, and embodies the vision, mission, and master plan of Gallaudet University by extending the DeafSpace Project and creating new universally accessible learning spaces,” says Hansel Bauman, Gallaudet University Architect.



Student Commons Circulating Stair and Clerestories Photograph courtesy of Hoachlander Davis Photography.



Chemistry Laboratory Photograph courtesy of Hoachlander Davis Photography.

MERIT AWARD FOR EXCELLENCE IN ARCHITECTURE FOR BUILDING ADDITIONS, RENOVATION OR ADAPTIVE REUSE

BUILDING 2

Massachusetts Institute of Technology for Building 2, Department of Mathematics, with Ann Beha Architects; also Bond Brothers Construction; Silman; WSP; Jensen Hughes; Horton Lees Brogden Lighting Design; Acentech; RDK; Speweik; Wessling; Nitsch Engineering; Thos Moser

JURY COMMENTS

“... really subtle addition that had a very strong impact on the campus . . . 70 percent of the budget is for the exterior, given that, what they did with the interior on a limited budget is very clever . . . it’s really well done . . .”

PROJECT HIGHLIGHTS

- » Size: 93,000 gsf/63,000 asf
- » Third-party sustainability rating: LEED Gold pending
- » Historical designation: Located in a National Register District
- » Building 2 is in the original 1,000,000 sq ft core of campus known as the Main Group. Exterior envelope deterioration, outdated building systems, and other needed updates prompted a complete facility renewal.
- » Limestone cladding was repaired and conserved, and new steel windows patterned on the original ones were installed. Interior spaces received new building systems, finishes, and furnishings.
- » Historic window bays were assessed and the decision was to replicate them. Windows were replaced with stainless steel frame attachments that transfer window wind load to the building structure. Thermally broken frames were installed and fitted with high-performance vacuum glass panels and operable sashes that allow fresh air variations.
- » Only 25% of the budget was for interior improvements, so building systems that were left exposed between offices were retained and acoustically enhanced, terrazzo floors and existing doors were refinished, and the doors were fitted with new hardware.
- » Balancing heritage and preservation with building stewardship and programmatic needs was important, so planning and design followed MIT 2030, the institute’s planning framework.
- » Building 2 is the first building in the Main Group to be renovated, and it is expected that it will be a prototype for future renovation to other buildings.

PERSPECTIVES

The heritage of the building has been restored and the additional space needs have been accommodated without expanding the footprint of the historic building. The number of collaborative spaces for teaching, research, meetings, and social gathering was increased by 250 percent. Views from the new spaces connect mathematics with campus and with the city of Boston, while supporting the department goal of making the building a welcoming and collaborative place for students, faculty, and staff.

“Having watched over this renovation since its inception in 2010 when I was head of Mathematics, I am deeply gratified to see it brought back to its magnificent completion. The once-dingy hallways now filled with light, the common spaces with lively conservation, and their blackboards with mathematics, this masterful transformation demonstrates what can be accomplished within these old walls,” says Michael Sipser, Dean of the School of Sciences.



Photograph courtesy of Peter Vanderwarker.



Fourth Floor Breakout Space Photograph courtesy of Peter Vanderwarker.

HONORABLE MENTION FOR EXCELLENCE IN ARCHITECTURE FOR BUILDING ADDITIONS, RENOVATION OR ADAPTIVE REUSE**ENGINEERING PRODUCT INNOVATION CENTER (EPIC)**

Boston University for Engineering Product Innovation Center (EPIC) with Wilson Architects Inc.; also Consigli Construction Company; BR+A Consulting Engineers; Haley & Aldrich; Goldstein & Milano Associates

JURY COMMENTS

“... the before and after is truly remarkable ... very well executed ...”

PROJECT HIGHLIGHTS

- » Construction cost: \$10.1 Million CC
- » Third-party sustainability rating: USGBC LEED Gold, Commercial Interiors
- » The Engineering Product Innovation Center (EPIC) is a new engineering curriculum that trains engineering students on how to bring new products to market.
- » A large expanse of glass along Commonwealth Avenue puts the engineering program on display and affords pedestrian traffic a view into the space.
- » The old Auto Row showroom was perfectly suited for an open teaching environment housing machine tooling, electronics prototyping, and production assembly.
- » EPIC originally included 4,000 sq ft of shell space for research that has been fit-up for the BU Robotics Lab. The lab is a perfect partner and promotes a hands-on research environment. It includes a robot arena, workshop, desk seating for 28, a 12-person conference room, informal gathering area, and kitchenette.
- » Key sustainable features include: 40% water use reduction; 22.5% lighting power reduction, or 0.9 watts per sq ft; 100% of Energy Star Eligible equipment installed; 4.34% of materials used manufactured regionally; and 5.87% of construction waste diverted from landfill.
- » Enrollment in related engineering programs has soared since EPIC opened.

PERSPECTIVES

Since the facility opened, the level of student engagement and interest in EPIC has grown. Currently, the 20,000 gsf facility accommodates 750 students per semester. The director of EPIC describes the center as having four learning roles: a resource for mechanical engineering design and manufacturing classes; a focal point for senior capstone projects; a meeting place for engineering-focused clubs and competitions; and a maker-space for the BU community at large.

“The EPIC project offered an opportunity to bring engineering programs to a visible position on Commonwealth Avenue. Increased transparency at the street level and modifications to the building’s façade bring attention to the facility and allow pedestrians a prime view to activities within the space. This has led to interest from and use by students in disciplines throughout the university from the hard sciences to the visual arts. This type of interdisciplinary engagement is something that we strive to foster throughout our academic and research programs,” says Amy Barrett, Assistant Provost, Academic Space Planning.



Photographs courtesy of Anton Grassl, Esto Photographics.

HONORABLE MENTION FOR EXCELLENCE IN ARCHITECTURE FOR BUILDING ADDITIONS, RENOVATION OR ADAPTIVE REUSE**ENNIS HALL**

Georgia College & State University for Ennis Hall with Lord Aeck Sargent; also Palmer Engineering; Robert & Company; Newcomb & Boyd; Garbutt | Christman; Finch Finishes; Welsh Color and Conservation

JURY COMMENTS

“... reuse was done very creatively ... loved historical components ...”

PROJECT HIGHLIGHTS

- » Project cost: \$11.3 Million
- » Construction cost: \$9.1 Million
- » Third-party sustainability rating: LEED Silver Certified
- » Historical designations: Contributing resource in Milledgeville National Register District
- » The parking lot in front of Ennis Hall was removed and replaced with a landscape design that mirrored the historic landscape. The building became a new center of campus creativity that renewed an important historic building and reconnected it to campus. It is now a place for pop-up art, juries, and hanging out.
- » A granite pad in front encourages placement of large-scale sculptures and increases display of public art.
- » During selective demolition, large, stately masonry arches were found, so the design team quickly redesigned the floor to incorporate them into the final design.
- » Two fully equipped darkrooms, a dedicated classroom, and the latest in digital imaging technology have allowed the school's photography program to grow from 32 students in the spring of 2014 to 49 currently.
- » Received a Georgia Trust for Historic Preservation Excellence in Sustainable Rehabilitation Award. The project also scored 10 out of 10 toward a unique, hard-to-achieve credit, Design for Active Occupants that focuses on improving health through physical activity by preserving the historic stairs.

PERSPECTIVES

The rehabilitation of Ennis Hall renews an important historic building and reintroduces a once-important historic resource to a new generation of students. The new landscape design, inspired by the historic landscape, creates an active greenspace for art education and visually connects the new home of the Art Department to the main campus lawn. The integration of the program under one roof has increased collaboration between disciplines and paved the way for new ones, such as graphic design, to become available to the students.

“Currently in our fourth semester at Ennis, the breadth and quality of our students' work is improving exponentially and guests of our frequent public receptions enjoy a welcoming atmosphere,” says Bill Fisher, Professor & Chair, Art Department. “Ennis Hall is once again one of our brightest jewels, giving full acknowledgement of its 1917 past while offering modern academic space and technology to the current teaching needs of our university,” says Steve M. Dorman, President.



Photographs courtesy of Jonathan Hillyer Photography.

HONOR AWARD FOR EXCELLENCE IN ARCHITECTURE FOR REHABILITATION, RESTORATION OR PRESERVATION

ST. MARY'S HALL

Boston College for St. Mary's Hall with DiMella Shaffer; also McGinley Kalsow Architects; Shawmut Design and Construction; Grande Masonry; BR+A; LeMessurier Consultants; Stephen Stimson Associates; Rolf Jensen & Associates; Nitsch Engineering; Colburn & Guyette; Collaborative Lighting, LLC

JURY COMMENTS

“... beautifully executed . . . modern materials and systems that will last for the next hundred years, very thoughtful integration . . . reusing an old building is the most sustainable thing you can do . . .”

PROJECT HIGHLIGHTS

- » Construction cost: \$67 Million
- » The renovation of St. Mary's Hall, the 100-year-old Jesuit residence at Boston College, was a complete restoration of the exterior envelope, a gut renovation and reconfiguration of the upper floors, restoration of the main floor common areas and chapel, and installation of new mechanical systems.
- » Exterior work included replacing the original terracotta roof with a ventilated substrate and Ludowici ceramic tiles in the historic color palette. Over 16,000 pieces of weathered and damaged cast stone were removed from the exterior walls and replaced with new cast stone replicating the original finish.
- » To improve the durability and long-term performance of the restored façade, a new anchoring system was developed, allowing some small units to be joined into larger units. Combining 17 individual stones of the tracery into a single unit gave a high level of dimensional control and improved structural performance.
- » The interior space was reconfigured to allow both residential and academic uses.
- » The site was improved through the creation of a parking garage below the courtyard, as well as the integration of a new building entrance for the academic departments.
- » Creative solutions included creation of a separate academic entrance, distinct vertical circulation locations, and required egress strategies.

PERSPECTIVES

Questions facing Boston College and the Boston College Jesuit Community regarding St. Mary's Hall included fit, functionality, and restoration. There was a firm and shared desire that the Jesuit community should remain in residence, at the campus front door, given their centrality to the university mission. Thus, the objectives of the project were to right-size for the Jesuit community, partition the building and accommodate space needs of the academic community, restore the building envelope, and modernize building systems.

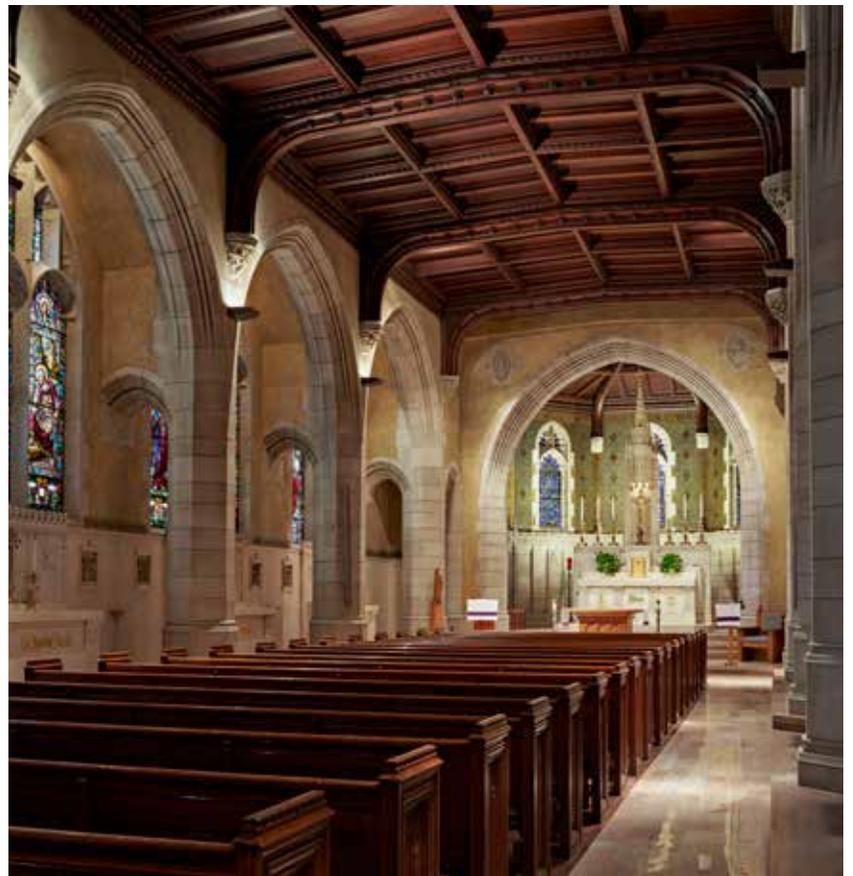
“The restoration warrants recognition as a campus building that represents university mission, and a project undertaking that is woven into the historic timeline of a university and a campus. The re-opening of St. Mary's Hall represented a return of the Jesuits to the campus front door just as the Chestnut Hill campus celebrated a 100-year mark, and Boston College celebrated a 150th anniversary. The success of this project was celebrated by the university at this milestone,” says Mary S. Nardone, Associate Vice President, Capital Projects Management.



New Garage with Roof Garden, Entrance to Right, Exit to Left



Photographs courtesy of Robert Benson Photography.



Restored St. Mary's Chapel

HONORABLE MENTION FOR EXCELLENCE IN ARCHITECTURE FOR REHABILITATION, RESTORATION OR PRESERVATION

HOOVER PAVILION REHABILITATION

Stanford Health Care, Stanford University for Hoover Pavilion Rehabilitation with TEF Design; also Vance Brown Builders; Page & Turnbull; Degenkolb Structural Engineers; Mazzetti; Sandis; BFS; Architecture + Light; Charles M. Salter & Associates; TEECOM

JURY COMMENTS

“... successful relocation of the corridor . . . nice adaptive reuse . . . very bold reuse of a medical space . . .”

PROJECT HIGHLIGHTS

- » Construction cost: \$50 Million
- » Historical designation: Eligible for California Register of Historic Places
- » The building occupies an intersection serving as a gateway to the academic and medical campuses. Project goals were to rehabilitate the obsolete 1930s-era building to support next-generation medicine and advance the mission while preserving the structure’s historic integrity and economic value to the community.
- » The project restored the exterior, relocated the main entry, provided a new accessible main entry and lobby, and renovated the interior as a patient-centric healthcare delivery model.
- » The project received a 2013 Preservation Award from Palo Alto Stanford Heritage and the 2015 Design Award from the City of Palo Alto Design Review Board.
- » The patient experience was enhanced by improving the building’s circulation system, providing daylight in waiting areas, adding high-quality furnishings, and expanding food services.
- » Detailed implementation planning entailed saving and restoring historic fabric and adjusting the building design when unexpected conditions arose.
- » Oil-rubbed bronze and cherry in many public areas combined with modern fabrics, patterned glass, and translucent polyester resin give a non-institutional feeling to the setting that advances the brand and maintains continuity with the building’s storied history.
- » The building has 76% efficiency, high for a medical office building that has been inserted into space designed for other uses.

PERSPECTIVES

Rehabilitation of Hoover Pavilion is the first building project of Stanford Health Care’s \$5 billion Renewal Program to rebuild and modernize its facilities. The building occupies an important intersection that serves as a gateway to the academic and medical campuses. After extensive work, it serves as headquarters for several community physicians and primary care clinics and houses the main branch of the Stanford Health Library.

“The careful renovation preserves the 1931 Ziggurat Modern exterior of the building, a very interesting and time-specific design response to the original architecture. It is the only early building at the campus edge and is a constant reference to the community of the university. It provides a sensitive venue for bringing the community to the campus. The conversion of a historic hospital to a state-of-the-art clinical facility was extremely complex and should encourage the reuse of architecturally and culturally significant healthcare buildings,” says George R. Tingwald, Director of SHC Medical Planning.



Northeast Elevation with Historic and New Entrances



*Photographs courtesy of
Bruce Damonte Photography.*



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