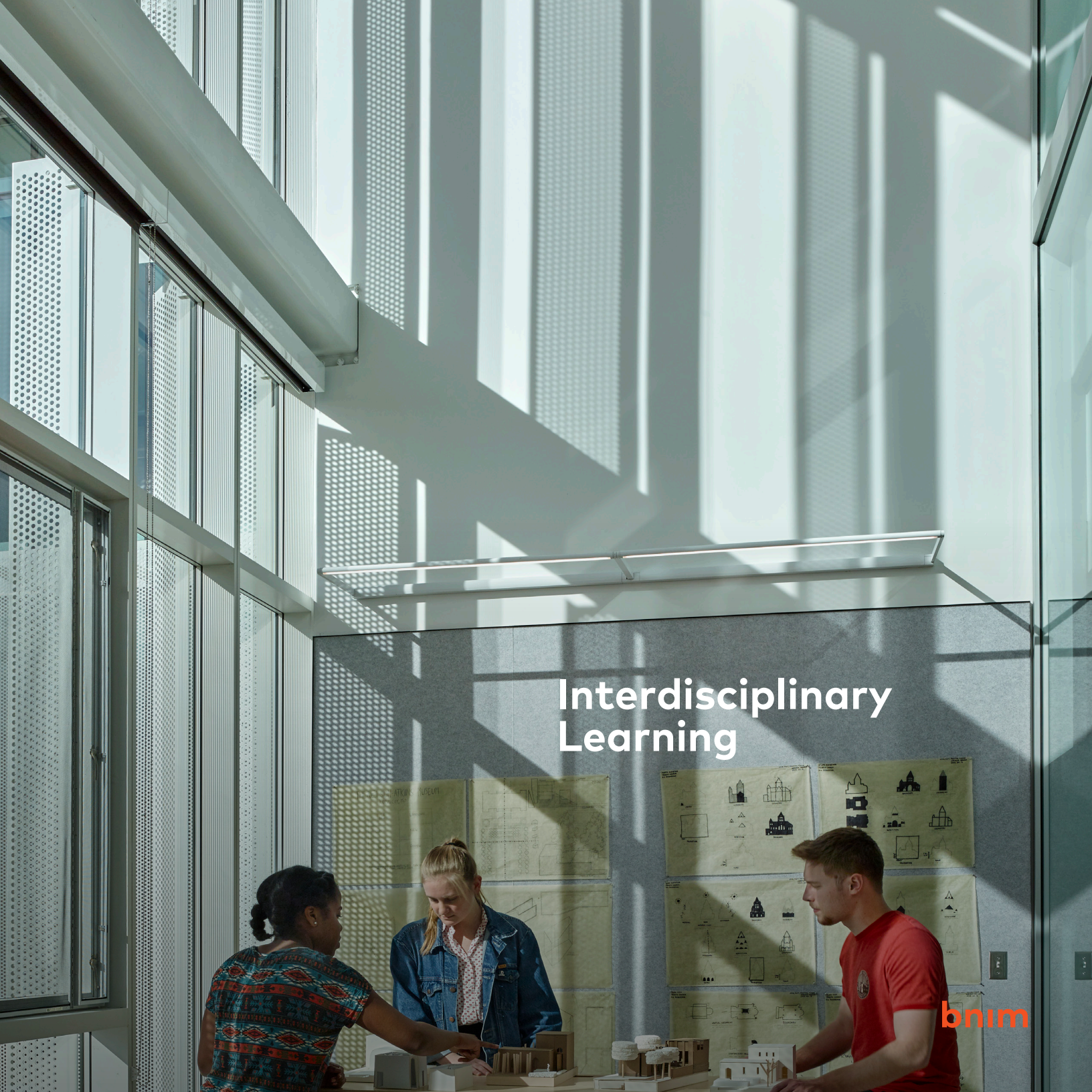

Interdisciplinary
Learning
bnim

ABOUT BNIM

BNIM is an innovative leader in designing high performance environments. BNIM's instrumental development of the USGBC, LEED, and the Living Building concept, combined with projects, methods, and research, shaped the direction of the sustainable movement. Through this involvement, the firm has redefined design excellence to elevate human experience together with aesthetics and building performance. In practice, this multifaceted approach to design excellence has yielded national acclaim, including the AIA National Architecture Firm Award, and consistent design recognition nationally and internationally. BNIM is **Building Positive**, a notion that describes how our practice leverages its collective capacity for design thinking to solve issues at every scale in a way that is focused on building the positive attributes of community and the built environment. Through an integrated process of collaborative discovery, BNIM creates transformative, living designs that lead to vital and healthy organizations and communities.

Interdisciplinary Learning

bnim

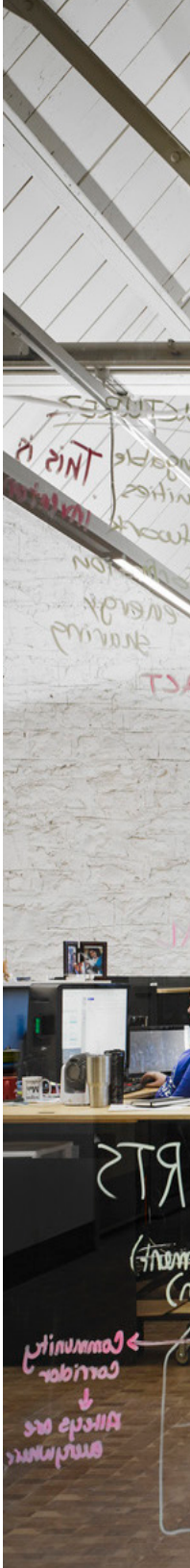
Innovation is about collision.

Innovation is all about collision.

Many contemporary university buildings are being designed as academic hubs that house or support multiple schools and departments. These types of facilities can promote spontaneous and chance interactions between disciplines by way of strategically designed collision spaces such as shared common zones for focus and collaboration, open circulation systems, small nooks, stairway landings, study areas, and multi-use breakout rooms. The spaces encourage human connection and cross pollination of ideas, effectively cultivating the potential for innovation.

Interdisciplinary learning has the potential to create a backdrop for future transformational moments – the birth of new disruptive ideas, innovative breakthroughs, first encounters that will lead to globally impactful collaborations.

Our work with higher education institutions across the country reflects the adoption and permeation of this collaborative future for education. When students and faculty have access to a hub that is specifically designed to encourage the intersection of arts, education, technology, research, collaboration, and other disciplines, a cross-pollination of ideas begins to happen that, in time, creates extraordinary outcomes. To reflect on the etymology of the term "alma mater," our clients are creating places that act as a "fostering mother" – to ideas, knowledge, discovery, creativity, collaboration, nature, and the human spirit.



SEATON HALL ADDITION AND RENOVATIONS
KANSAS STATE UNIVERSITY

Human-Purposed Integrated Design

We deliver beautiful, integrated, living environments that inspire change and enhance the human condition. This is BNIM's core purpose, and it guides and informs our approach to design. To accomplish this, we employ a process that we call Human-Purposed Integrated Design, or HPID, which guides us to create solutions that advance human and organizational potential and building performance through design.
For higher education, this means helping students, faculty, staff, researchers, and investigators achieve more while working in environments that are better for them, more responsible to natural systems, and less expensive to own and operate.

BLOCH EXECUTIVE HALL
UNIVERSITY OF MISSOURI-KANSAS CITY

Long Life, Loose Fit

By designing an academic facility that brings students and faculty from various disciplines together, colleges and universities help to spur the evolution of our national and global economy to be one that breeds creativity and innovation. In working with educational institutions across the county, we understand that the nature of pedagogy is continually evolving. Each semester brings expands different learning styles. Flexibility for the future is an important consideration for academic facilities. Designing for interdisciplinary learning embraces flexibility, creating transformational academic spaces - from focused study areas to collaboration spaces to state-of-the-art laboratories and studios - that are designed to not simply accommodate change but to encourage innovation.

Benefits of Interdisciplinary Learning

Interdisciplinary learning supports collaboration between disciplines and encourages students to make meaningful connections across academic fields. Benefits of interdisciplinary learning can include increased motivation among students to seek out topics of interest and purpose, an in-depth understanding of material, development of critical thinking and research skills, formulation of new ideas from different perspectives, and enhanced creativity [1]. These benefits of interdisciplinary study, while enhancing students' educational experiences, can also prepare students for their future career pathways. Similar to pedagogy, the workforce

is ever evolving. It is important to employers that students are entering the workforce equipped with both field-specific technical skills and baseline knowledge, critical thinking ability, and effective communication skills[2]. However, reports indicate that less than 30% of employers find graduates are prepared with these holistic qualifications[2]. Interdisciplinary learning can strengthen students' comprehension across disciplines and successful application of knowledge in the workplace and beyond [2].

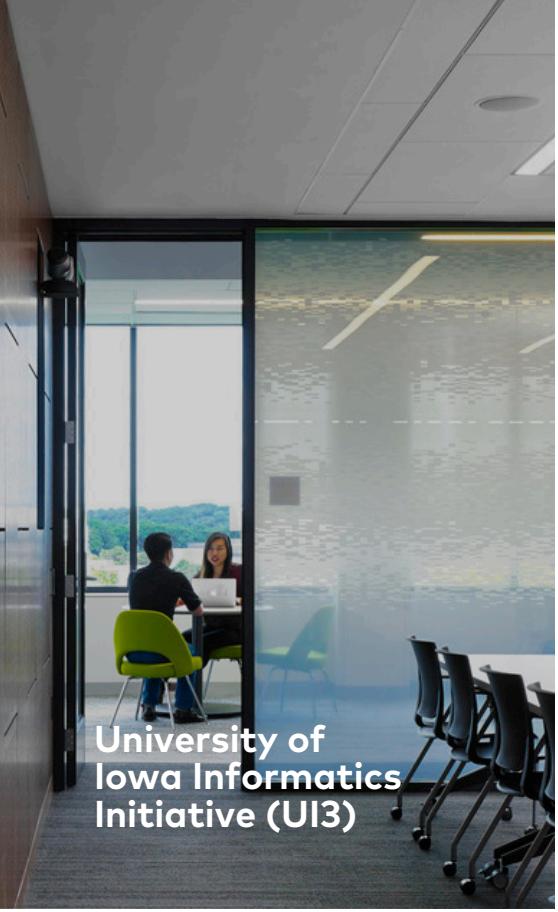
[1] *What are the benefits of interdisciplinary study?* (2019, March 1). The Open University. open.edu/openlearn/education/what-are-the-benefits-interdisciplinary-study

[2] Bear, A., Skorton, D. (Winter 2019). *The World Needs Students with Interdisciplinary Education*. Issues in Science and Technology 35, no. 2, 60-62. https://issues.org/the-world-needs-students-with-interdisciplinary-education/

"With BNIM's leadership we were able to achieve a new paradigm for collaborative science and research. The building is a tremendous asset in the recruiting process."

IRMA GIGLI, MD - DEPUTY DIRECTOR EMERITUS, IMM
UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON

FAYEZ S. SAROFIM RESEARCH BUILDING
UNIVERSITY OF HOUSTON HEALTH SCIENCES CAMPUS



University of Iowa Informatics Initiative (UI3)

The following case studies demonstrate academic facilities designed to support interdisciplinary learning initiatives:

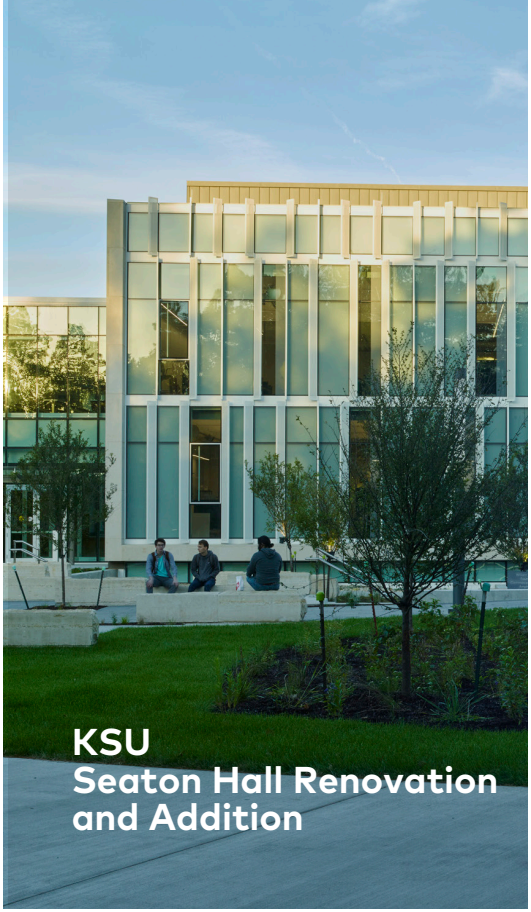
The University of Iowa Informatics Initiative (UI3) was built out on the fifth floor of the existing College of Public Health Building on the University of Iowa campus. The space incorporates the latest technologies, intentionally flexible spaces, and various types of environments to foster collaboration between researchers, graduate students, and staff from various disciplines across campus.

MU Christopher S. Bond Life Sciences Center

The Life Sciences Center at the University of Missouri - Columbia unites faculty and students from several schools and programs into one, collaboratively focused research center. The Colleges of Agriculture, Food and Natural Resources, Arts and Sciences, Veterinary Medicine, Human and Environmental Sciences Engineering, and the School of Medicine engage in joint research into genomic and biomolecular structures. In this facility, students, faculty, and researchers are equipped with state-of-the-art laboratories, shared meeting areas and public spaces provide unsurpassed opportunities for interdisciplinary biomedical science and agricultural biotechnology research.

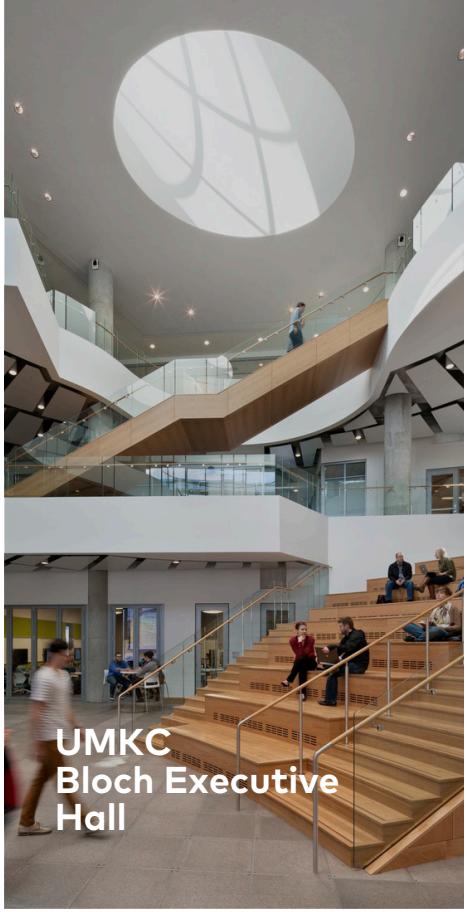
UI Seamans Center for the Engineering Arts and Sciences - South Annex Addition

The South Annex Addition to the Seamans Center for the Engineering Arts and Sciences builds a larger community within the entire engineering facility to foster innovation in teaching, learning, and discovery. The engineering community at the University of Iowa is brought together through formal and informal research spaces, varied sizes of active learning classrooms, student development and tutoring spaces, and the creation of a new common lobby centered around a technology-rich student project design studio.



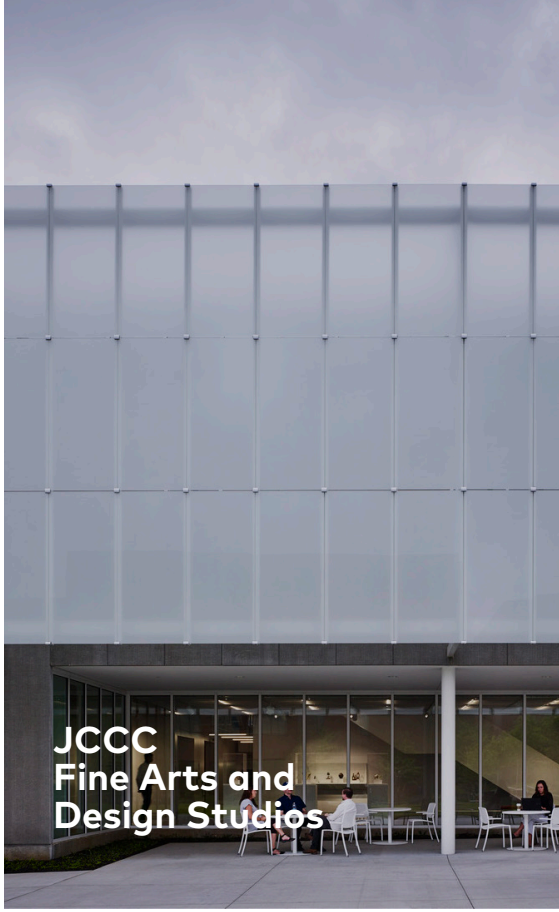
KSU
Seaton Hall Renovation and Addition

Located in the heart of the Kansas State University campus network, the new addition to Seaton Hall, which brings together two historic renovated buildings for the College of Architecture, Planning, and Design, was designed to become a hub of interdisciplinary interaction, engaging KSU in a unified expression of innovation, excellence, and sustainability.



UMKC
Bloch Executive Hall

The Henry W. Bloch Executive Hall for Entrepreneurship and Innovation provides new spaces for the demands of increased student population, the specialized needs of entrepreneurial education programs and to serve the growing executive education programs of the Bloch School. The facility provides multiple flexible and active learning classrooms, seminar rooms, finance lab, design-led innovation laboratory, space for prototyping entrepreneurial concepts, and an open, light-filled lobby that connects students from across the school.



JCCC
Fine Arts and Design Studios

The Fine Arts + Design Studios (FADS) building at Johnson County Community College (JCCC) brings together the following disciplines into a single, carefully crafted facility: graphic design, sculpture, ceramics, metals, painting, drawing, photography, and filmmaking. The building and its spaces exemplify the notion of learning by doing, providing a framework for new synergies and enhanced collaboration across disciplines that were previously dispersed across the suburban campus.

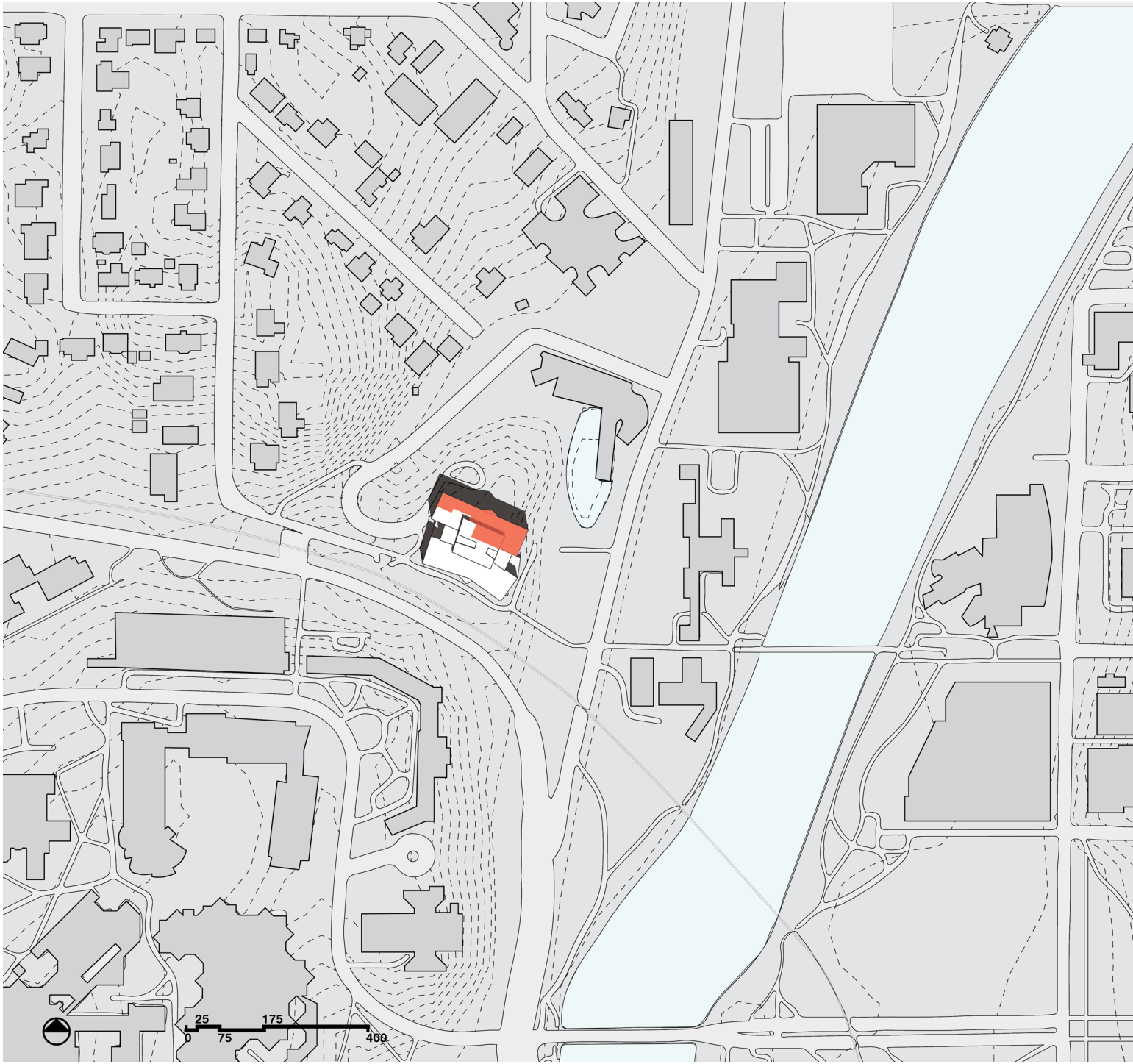
University of Iowa Informatics Initiative (UI^3)

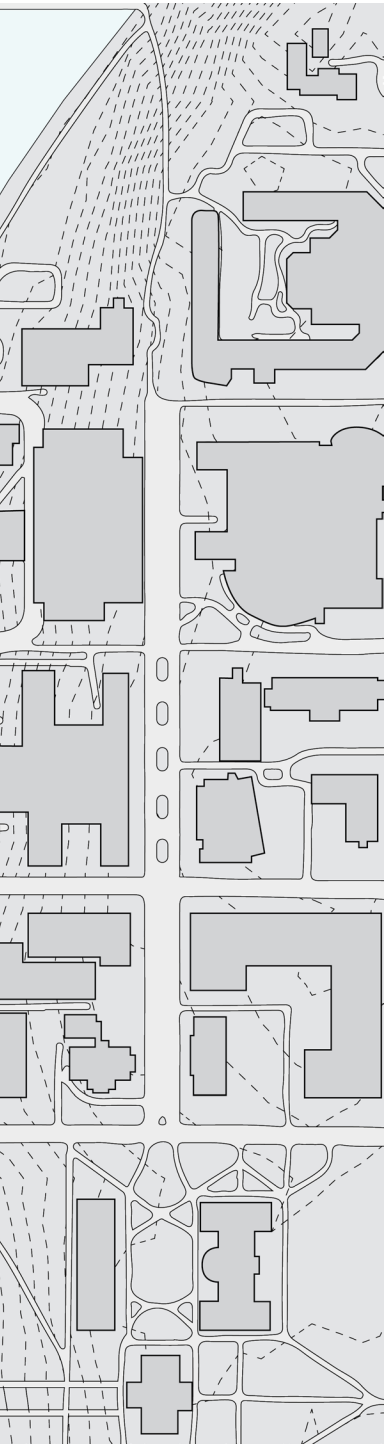
UNIVERSITY OF IOWA
IOWA CITY, IOWA

The University of Iowa introduced a campus-wide initiative designed to foster collaborations and cultivate research opportunities across disciplines. The initiative joins the computational discipline with the humanities, arts, natural, biological, health, and social sciences to identify and resolve current issues. Researchers and faculty who work within these different disciplines needed a place that would allow them to connect and collaborate, to work together, and to work privately.

The University of Iowa Informatics Initiative (UI^3) creates a physical and intellectual home for the initiative within existing building shell space at the university. Establishing a culture and identity for this new collaboration was an important goal of the project. While the individuals who are part of the program are dispersed across campus, a common ground is found in the work they do. By offering a rich variety of functional opportunities, the design ensures users are attracted to the space and utilize it regularly, regardless of where their departments are located. The space draws together these individuals, who share a common pursuit, creating opportunities that lead to academic collaborations and innovations.

11,913 SF
Completion in 2016

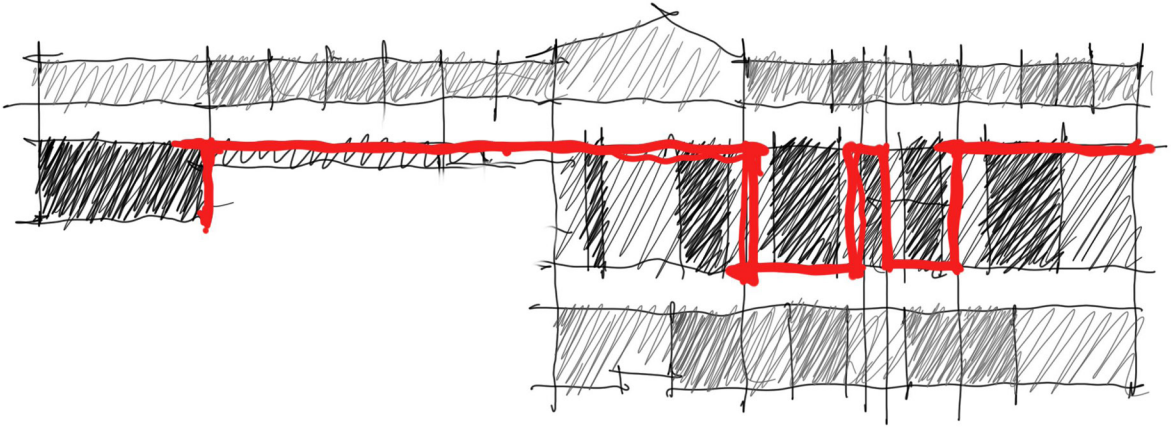

0
25
75
175
400

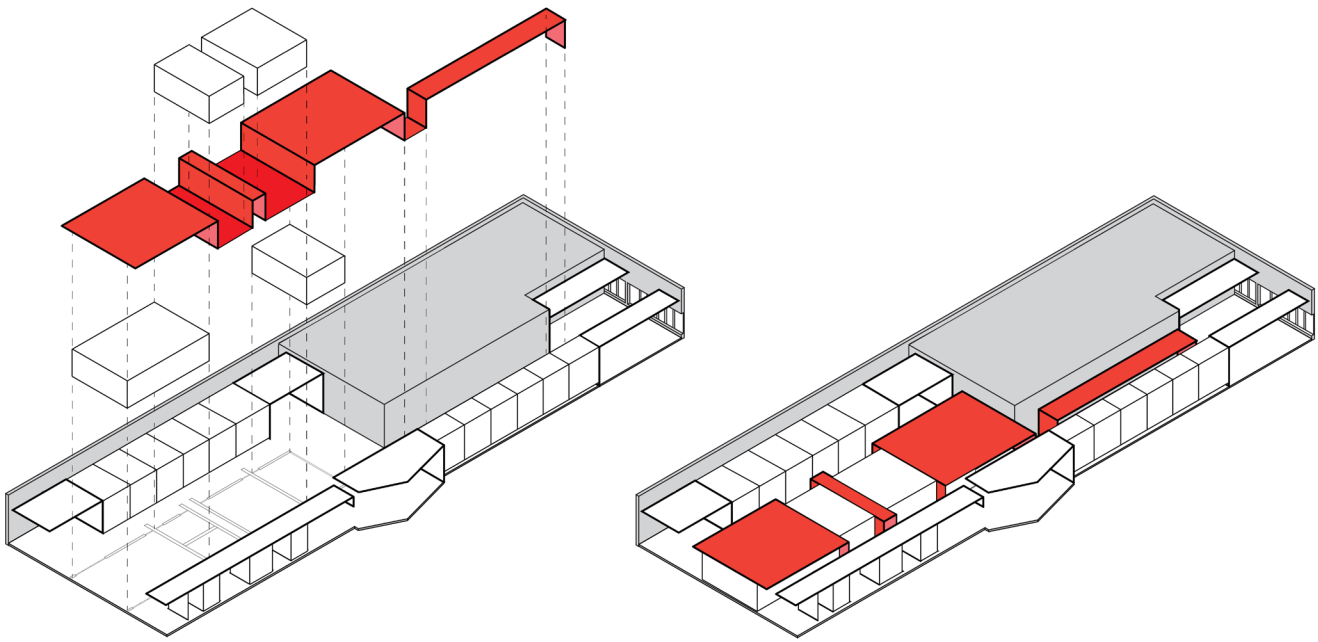


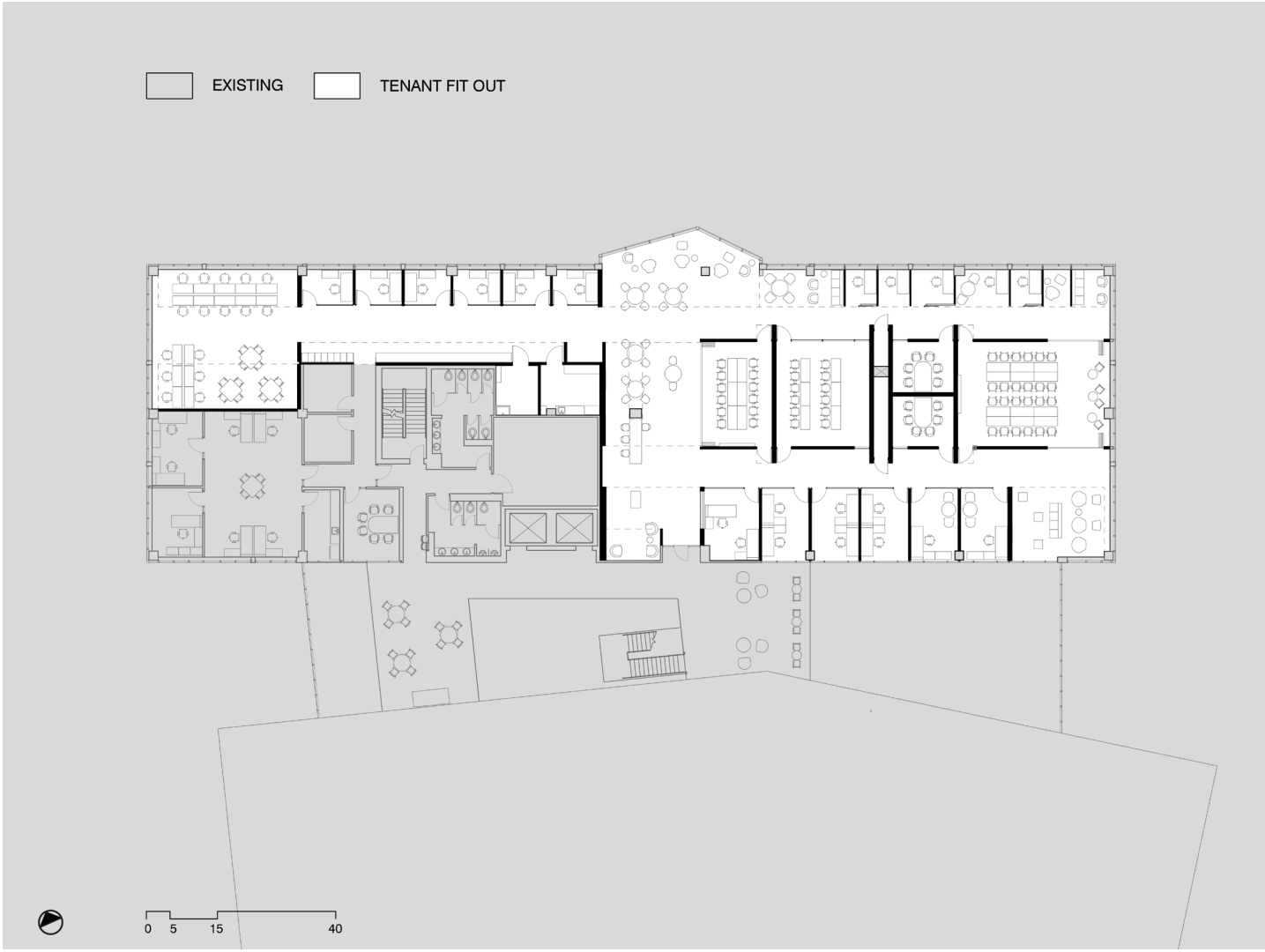
During the programming process, BNIM and the University of Iowa determined that people – and the connections between them – were the most important element that a space can offer. The design was shaped by organizing a spectrum of spaces to support various modes of work, optimize interactions, interweave relationships, and promote visual connections while respecting appropriate levels of privacy. The diverse disciplines and backgrounds within the initiative necessitated a single unifying element. Design cues were drawn from genetics – a human data element and common thread that binds these disciplines together. Visual connections through and across the entire space inspire curiosity and promote engagement.

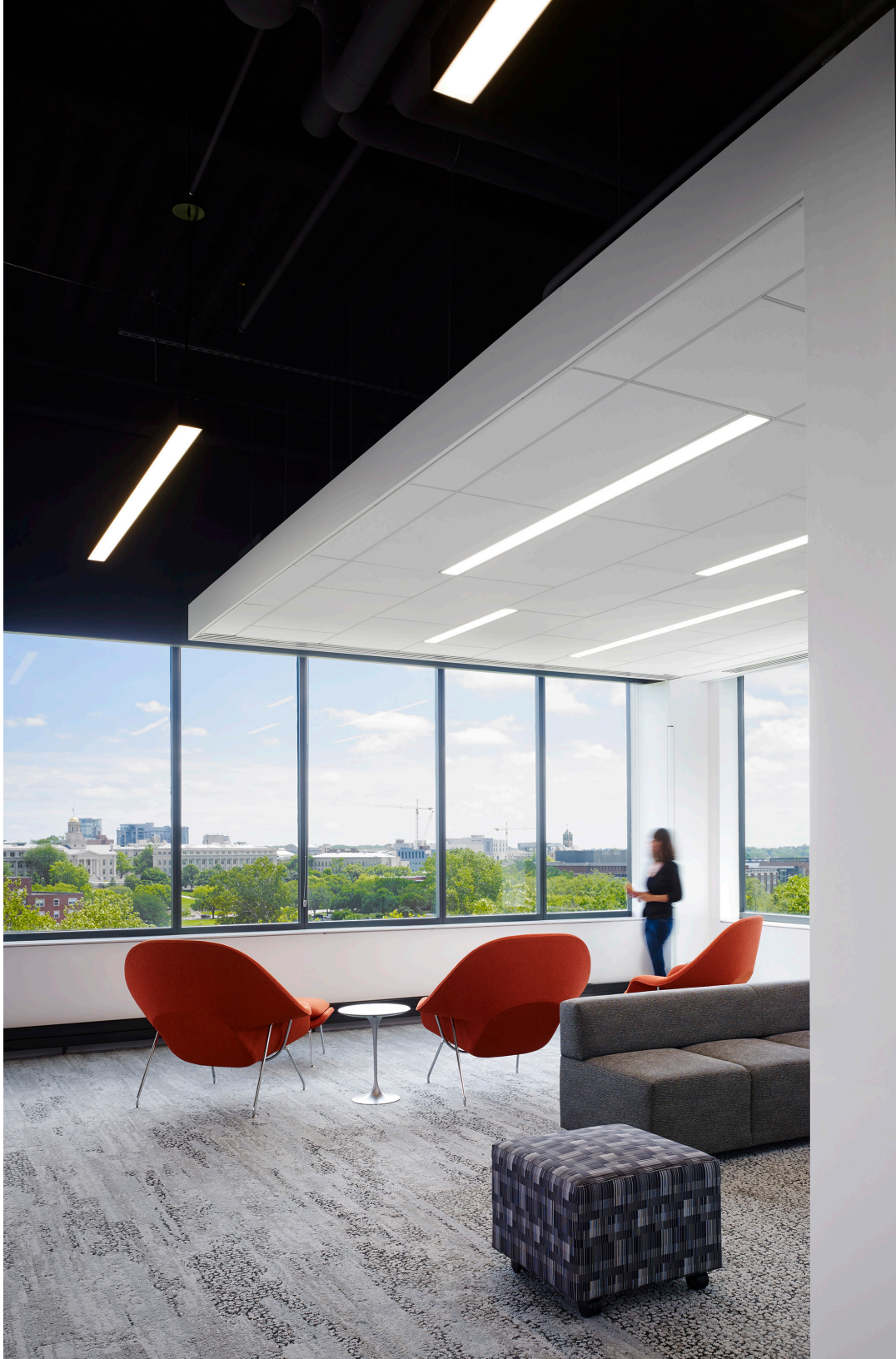
Bent linear ribbons, inspired by the graphic linearity of human genome mapping and the ribbon-like structure of DNA, serve as a spatial organizing device. This unifier was interpreted in various scales, from the organization of spaces united by contiguous bands, to surface treatment such as glazing frit patterns. The frit pattern, which provides privacy and writable space at key areas, was based on the pattern of the human genome and developed using digital algorithms. Within the pattern itself the coded message can be found, revealing the name of the initiative. This series of consistent gestures at various levels and scales establishes and reinforces a sense of place and identity unique to the program.

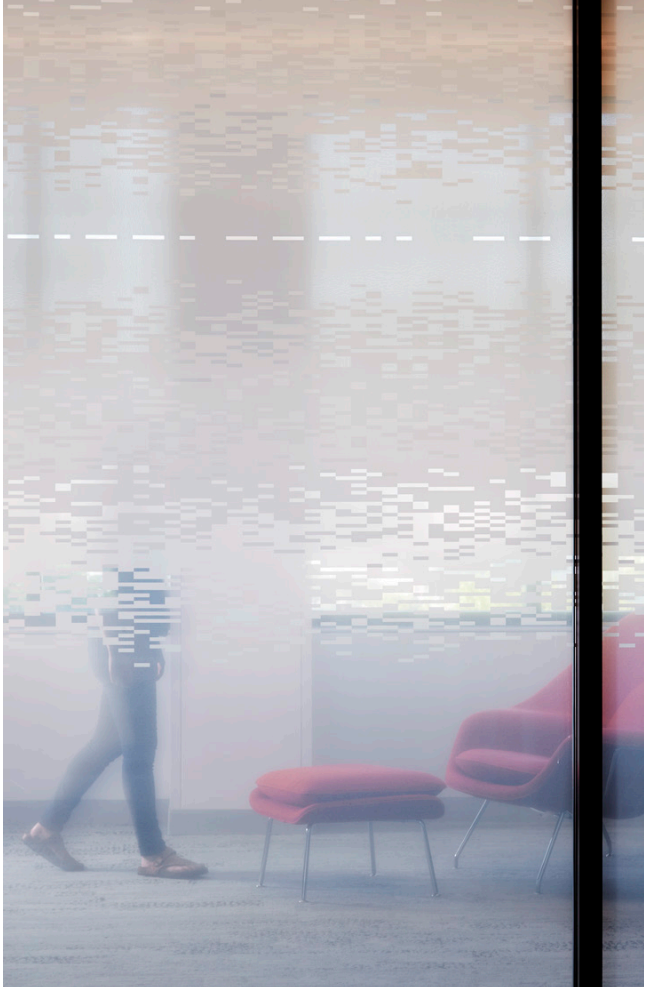
A central core of collaboration rooms spans east-west in the space, woven together with a series of bent wood ribbons. Secondary ribbons rendered in white capture and organize smaller scale collaboration and focused workspaces adjacent to those contained by the central spine. These spaces take advantage of their proximity with connectivity to the central spine as well as views to the exterior.






EXISTING
TENANT FIT OUT
0 5 15 40






DON'T ERASE
Supply
Quantity
Higher price =

AWARDS

2017 IIDA Mid-America Design Awards
Gold Award, Higher Education, Research

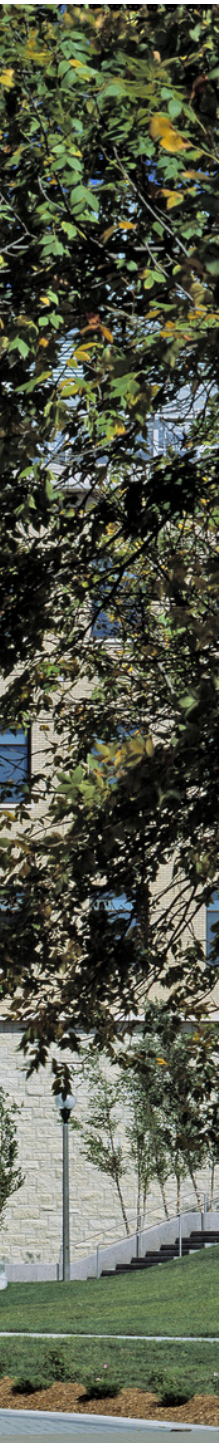
"Working with BNIM was great. They were very collaborative and worked with us to help us better define our needs and vision, and then they came up with a wonderful design. We wanted to create a space that would help us bring the Informatics community together — from all corners of the University, from art to medicine — to foster collaborations, scholarship, and training."

GREGORY CARMICHAEL
Director
University of Iowa Informatics Initiative

Christopher S. Bond Life Sciences Center

UNIVERSITY OF MISSOURI - COLUMBIA
COLUMBIA, MISSOURI

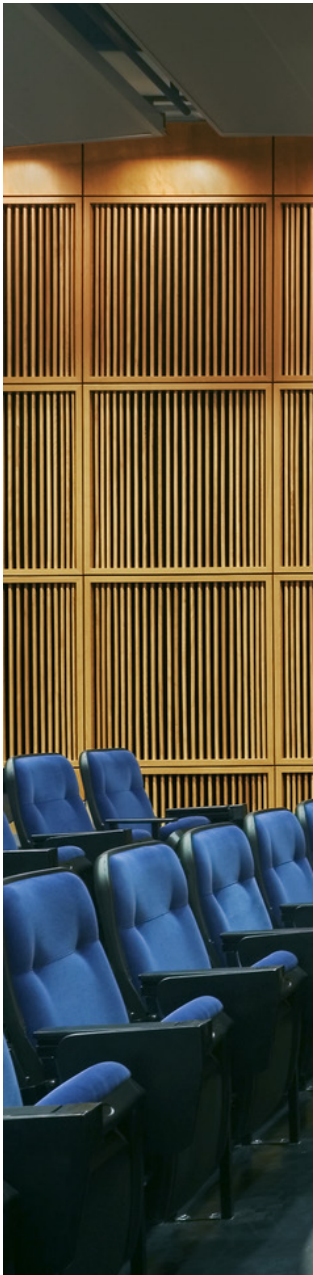
bnim is building positive



The Life Sciences Center at the University of Missouri - Columbia unites faculty and students from several schools and programs into one, collaboratively focused research center. The Colleges of Agriculture, Food and Natural Resources, Arts and Sciences, Veterinary Medicine, Human and Environmental Sciences Engineering, and the School of Medicine engage in joint research into genomic and biomolecular structures. State-of-the-art laboratories, shared meeting areas and public spaces provide unsurpassed opportunities for interdisciplinary biomedical science and agricultural biotechnology research.

239,714 GSF
Completion in 2004

With the idea that a healthy building illustrates the principles that life sciences embody, research, teaching and education converge in naturally daylit laboratory spaces, generous meeting areas, and informal teaming areas located off of the primary circulation spaces. The building features a central daylit atrium, strategically connecting the wings in an east-west direction to create a lively corridor called 'Main Street.' The naturally lit atrium, which centralizes faculty and research offices, a café and one of the reading rooms, encourages and facilitates interaction among users.



"Most researchers would argue that, when it comes to science, collaboration is central to success. Just over a decade ago an MU experiment in brick and mortar set out to prove it. Today the Bond Life Sciences Center has largely confirmed its planners' vision, demonstrating to scientists and scholars here at MU and around the world that, if knowledge is power, then shared knowledge is power[2].

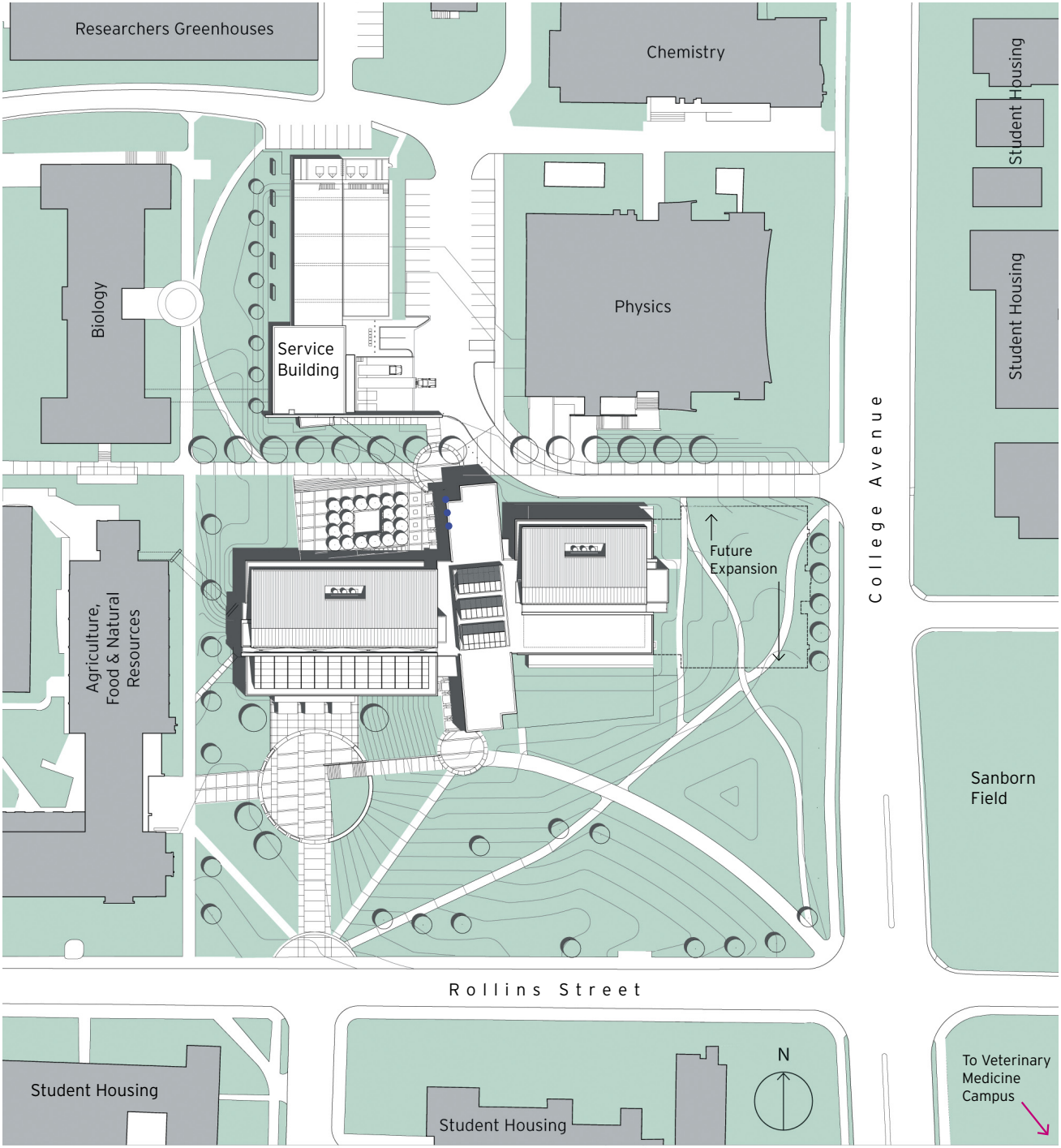
"This place is intended to be a coordinated organism, not a hotel for good scientists," said Jack Schultz, director of the Bond LSC since 2007. "It's been a fascinating but slow process to see investigators gain from working with others outside of their field who overlap in an aspect of their research."

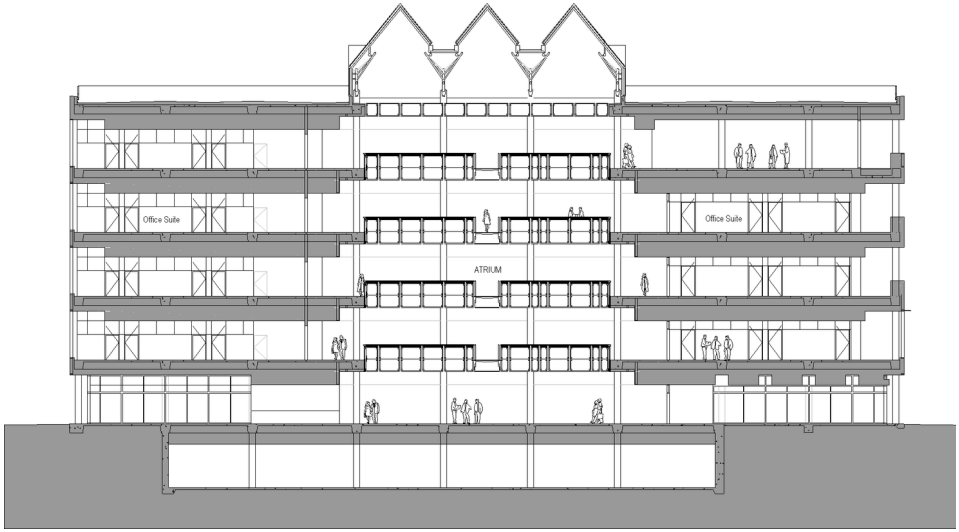
Both the National Academy of Sciences and National Institutes of Health (NIH) agree this sort of convergent science, cutting across disciplines, is the future. The former highlighted the Bond LSC in a 2014 report as among those programs that excel in being exceptionally "nimble in their focus" of steering faculty toward interdisciplinary convergence and novel research approaches."

Excerpt from **Discovery - Bond Lifescience Center Annual Report 2014**

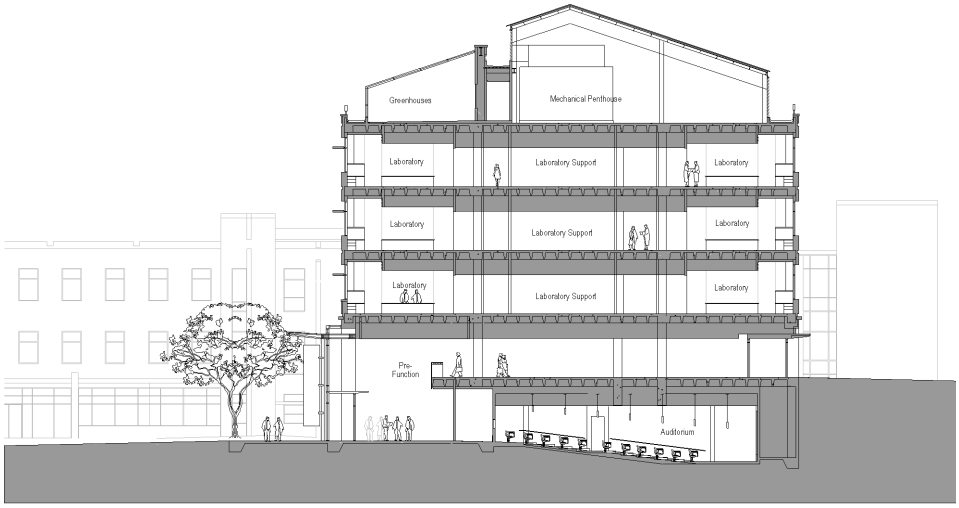
"The Center is kind of a catalyst that brings people together doing such different things."

MANNIE LISCUM
BIOLOGICAL SCIENCES PROFESSOR AND
ASSOCIATE DEAN OF GRADUATE STUDIES


Researchers Greenhouses
Chemistry
Student Housing
Biology
Physics
Service Building
Student Housing
College Avenue
Future Expansion
Agriculture, Food & Natural Resources
Sanborn Field
Rollins Street
Student Housing
Student Housing
N
To Veterinary Medicine Campus



SECTION - ATRIUM



SECTION - LABS

"The Building has been set up with lots of what we call 'collision zones.' In Chemistry, when things collide you get a reaction. When two people can interact in a hall or corner and discuss an idea, that's when you get new ideas and new things happening. Students see how this happens and they grow and thrive under this."

DR. G. MICHAEL CHIPPENDALE, PH.D.
PROFESSOR EMERITUS
DIVISION OF PLANT SCIENCES

AWARDS

2005 Honor Award, Excellence in Architecture
AIA Kansas

2005 Merit Award
AIA Mid-Missouri

The MU Bond Lifesciences Building has since 2016 received federal competitive grants totalling -

FY18	$13.3 M
FY19	$16.8 M
FY20	$15.2 M

Overall, with approximately 3% of faculty at MU, the LSC generates approximately 10% of competitively funded research expenditures at MU.

Seamans Center for the Engineering Arts and Sciences

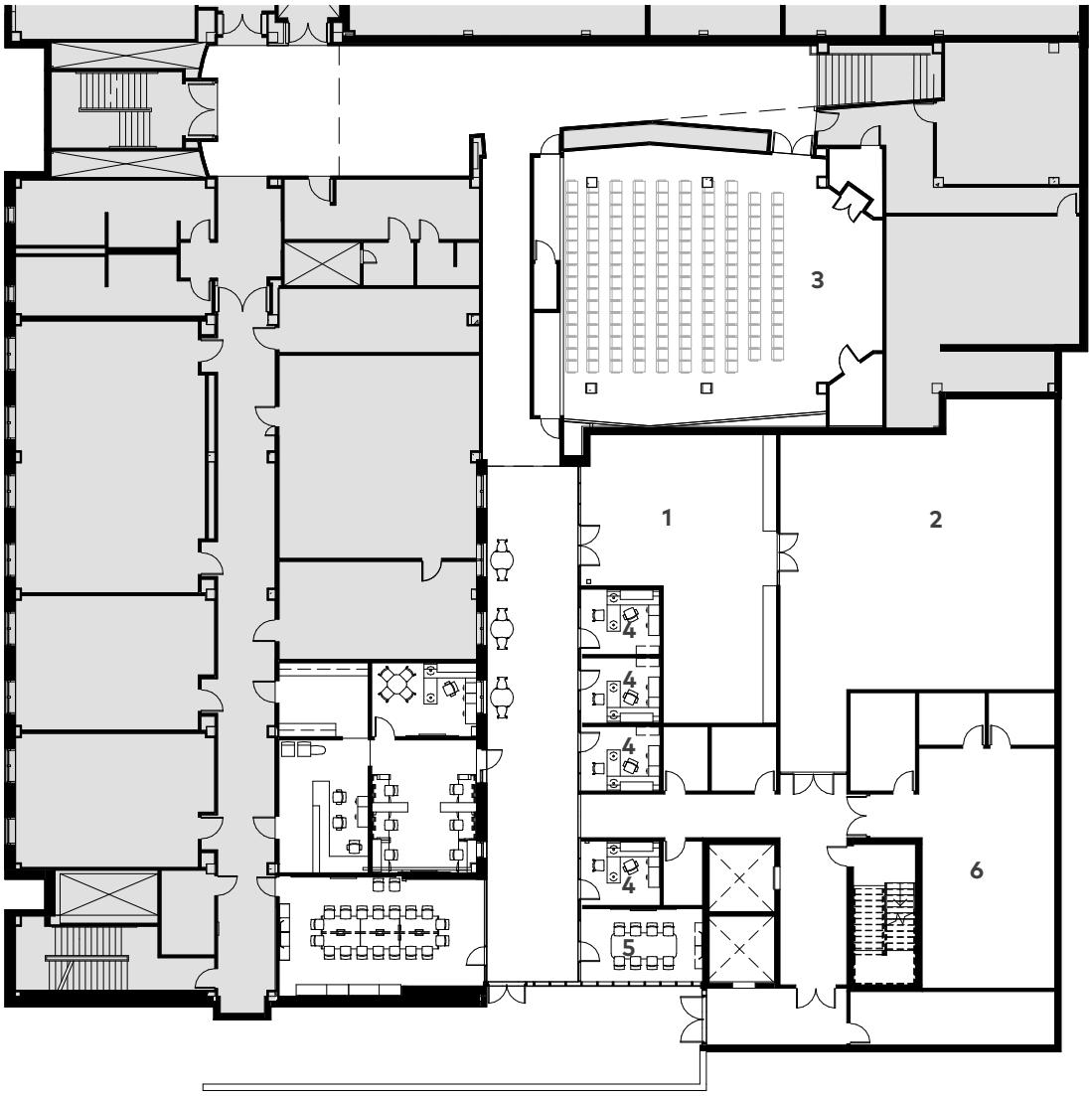
SOUTH ANNEX ADDITION
UNIVERSITY OF IOWA, IOWA CITY

bnim is building positive

The South Annex Addition to the Seamans Center for the Engineering Arts and Sciences will build a larger community within the entire engineering facility and foster innovation in teaching, learning, and discovery.

The Annex includes new formal and informal research spaces, varied sizes of active learning classrooms, student development and tutoring spaces, and the creation of a new common lobby centered around a technology-rich student project design studio that brings the entire engineering community together. Renovation work in the existing building includes creating an Engineering Learning Commons adjacent to the engineering library space. The Commons will include flexible study and presentation spaces for faculty and students use.

68,094 SF
Completion 2017



1 Fluids Workshop
2 Fluids Teaching Lab
3 Classroom
4 Office
5 Meeting
6 Mechanical
Existing Building

0 12'

LEVEL 1

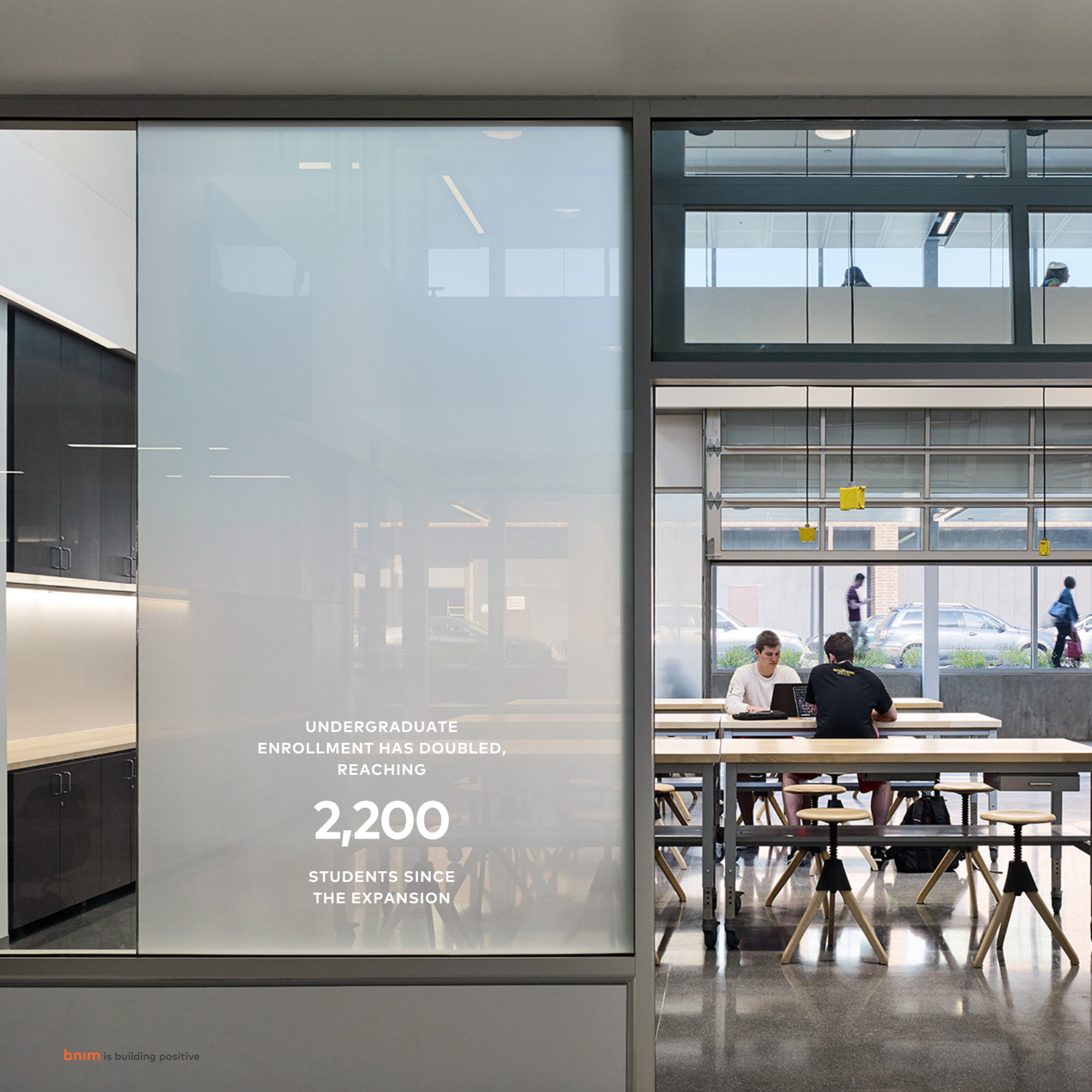

LIGHTING IS
DESIGNED TO
30%
BELOW ASHRAE 90.1

SUSTAINABLE / NOTABLE FEATURES

- 68,094 SF facility
- Building will serve as a living laboratory that creates an attitude of discovery and innovation.
- The majority of the building is elevated above the grade plane to increase open space on the urban site and to create covered bicycle parking.
- The elevation also allows air and light to create a more habitable urban environment on a congested campus site.
- Above and beyond approach to universal design includes a digital kiosk with assistive learning technology and a comprehensive wayfinding strategy.
- The site / building design offers 24/7 accessible access up and down a steeply sloped site, which was previously a significant barrier in a heavily utilized pedestrian path.
- Prior to the project, stormwater would run-off down a steep slope to the storm sewer and near by river. The site now incorporates biocells to slow, cool, and clean storm water.
- Native landscaping and ground covers also create a more sustainable site condition.
- There is enough detention to reduce the post-developed 100-year storm to be less than half of the pre-developed rate.


3612A STUDENT
DEVELOPMENT
CENTER


4649 TEAM AREA



UNDERGRADUATE
ENROLLMENT HAS DOUBLED,
REACHING

2,200

STUDENTS SINCE
THE EXPANSION

AWARDS:

2018 AIA Central States Region
Citation, Design Excellence Award

2018 AIA Iowa
Merit, Excellence in Design

234

SOLAR ROOF PANELS WITH THE CAPACITY TO PRODUCE

76,000

KWH OF ENERGY PER YEAR, SAVING ENERGY COSTS

Seaton Hall and Seaton Court Renovation and Expansion

KANSAS STATE UNIVERSITY, MANHATTAN, KANSAS

Over the last decade, the College of Architecture, Planning, and Design (APDesign) at Kansas State University has risen in stature and recognition among the nation's design programs. Each semester, APDesign students, faculty, and visitors together explore the potential of design to impact human experience, health, and happiness – the new and renovated facility is born of these same pedagogical objectives.

The new addition stitches together the two renovated historic buildings of Seaton East (1908) and Mechanics Hall (1874), and is punctuated by "The Jewel," a transparent, three-story social container and entry courtyard that assumes the new face of APDesign. Located in the heart of the campus network, the facility is a hub of interdisciplinary interaction, engaging KSU in a unified expression of innovation, excellence, and sustainability.

With Ennead Architects and Confluence

191,247 SF
Completed in Fall 2017
LEED Gold Targeted

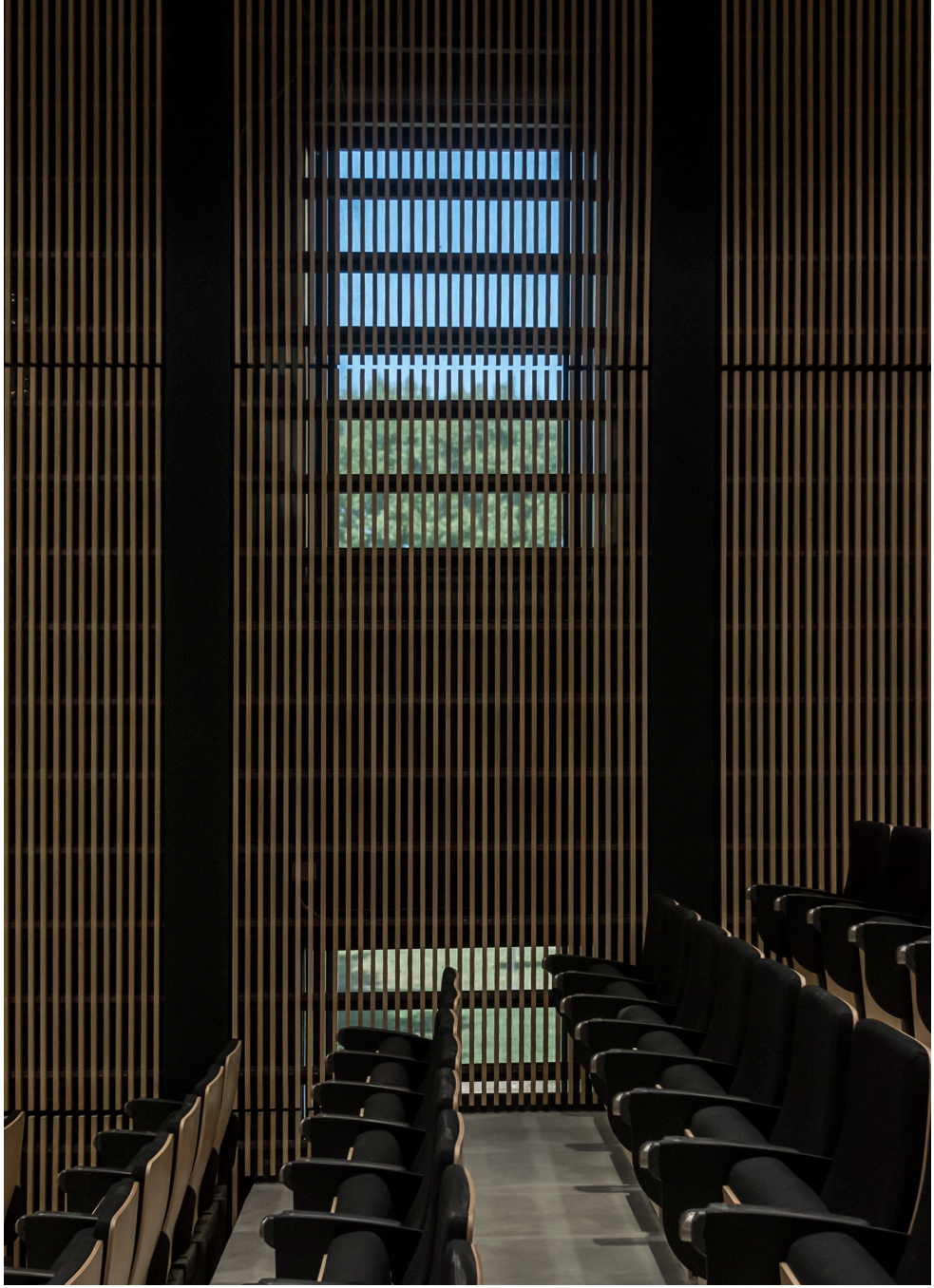
40%

WATER USE REDUCTION AND 50% POTABLE WATER REDUCTION

bnim

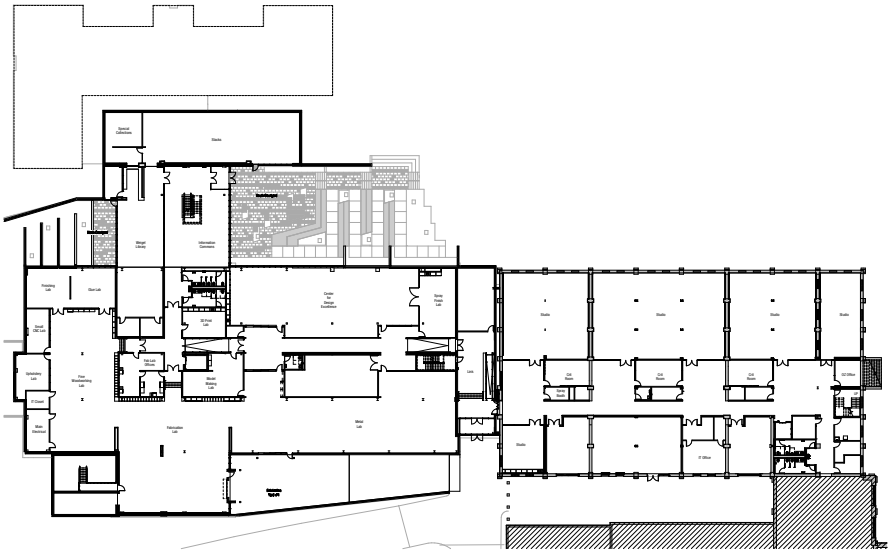

EXIT


EXIT

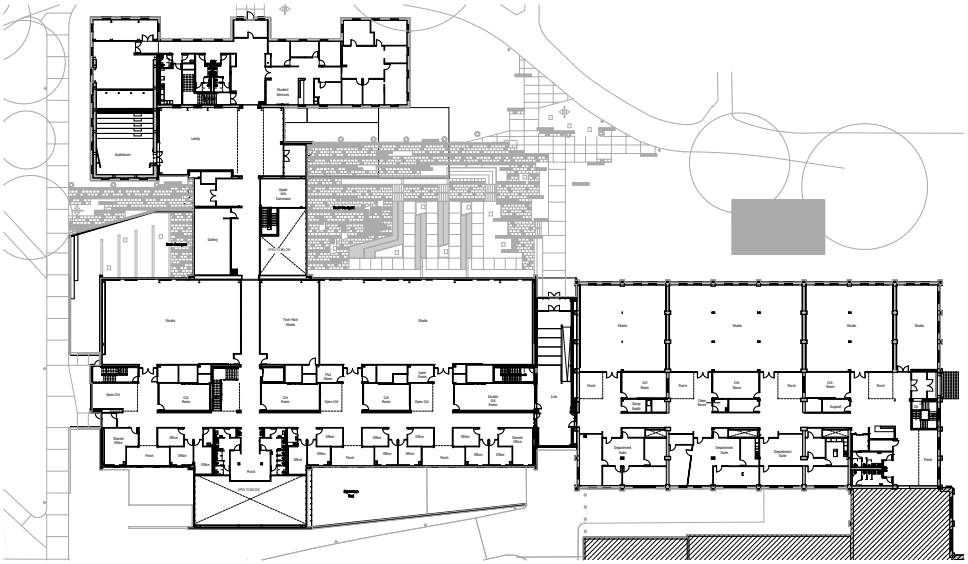


AWARDS:

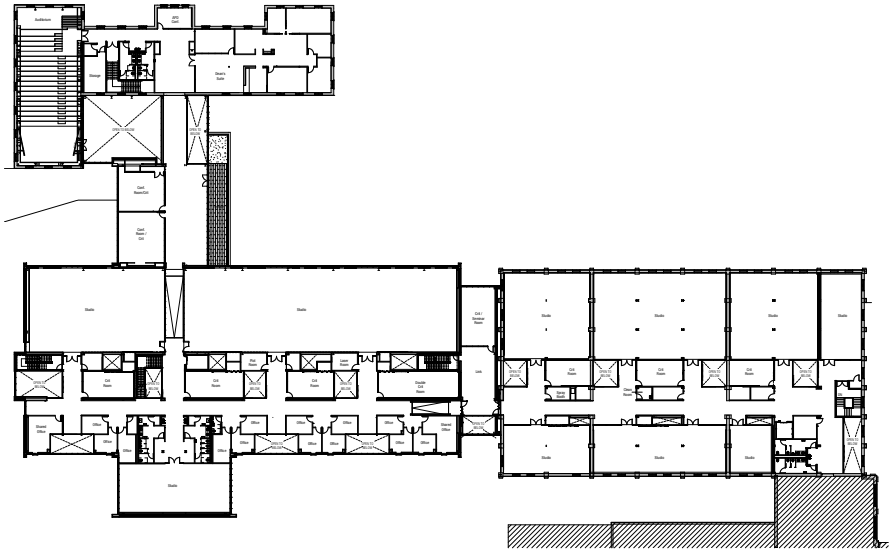
- 2019 AIA Kansas City
  Architecture XLarge: Merit, Design Excellence Awards
- 2018 Association of General Contractors
  Kansas Building Award
- 2018 ASLA Prairie Gateway Chapter
  Honor Award, Design
- 2018 AIA Kansas
  Honor, Design Excellence Awards
- 2016 ASLA Central States
  Merit Award, Design (unbuilt)



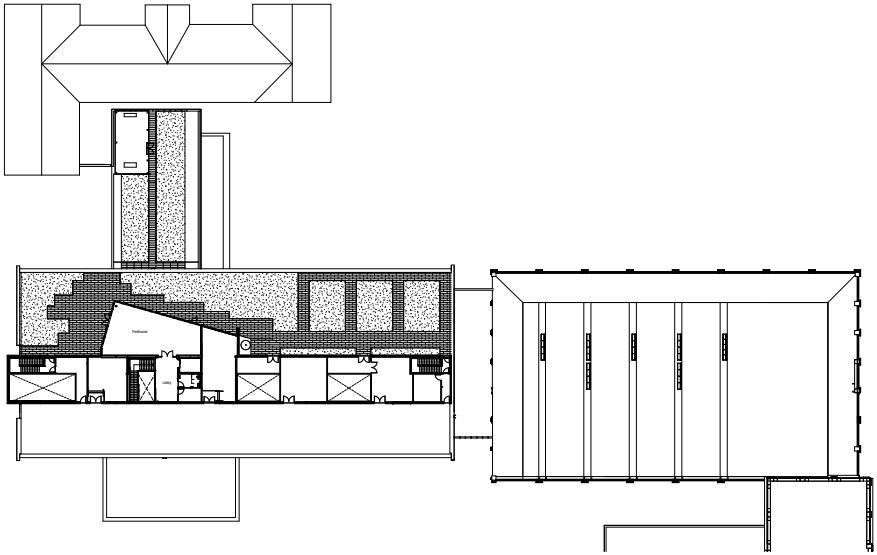
Basement



Level 1



Level 2



Level 3


35%
ENERGY SAVINGS
FROM BASELINE

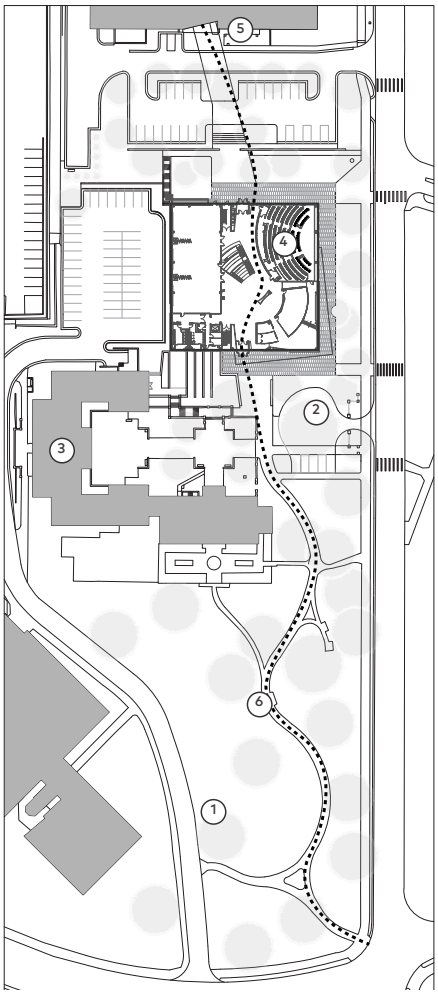
Bloch Executive Hall

UNIVERSITY OF MISSOURI - KANSAS CITY
MISSOURI

The design of the Henry W. Bloch Executive Hall is intentionally simple and elegant, and provides new spaces for increased student population, specialized needs of entrepreneurial education programs, and growing executive education programs. It includes a 200-seat auditorium, multiple flexible and active learning classrooms, seminar rooms, a finance lab, faculty offices, and prototyping and business incubator spaces. The upper three floors are connected by an open, light-filled lobby that includes an amphitheater.

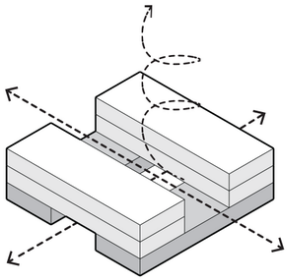
With Moore Ruble Yudell

68,000 SF
Completion in 2013
LEED Gold Certified

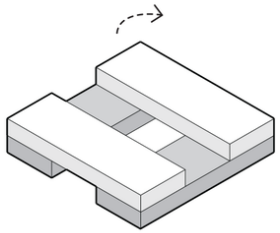


1 Marion H. Bloch Park
2 Bloch School Courtyard
3 Henry W. Bloch School
4 Henry W. Bloch Executive Hall
5 Student Union
6 Entrepreuner's Hall of Fame / Path of Innovation

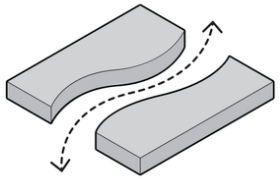

bnim building positive



spatial connections

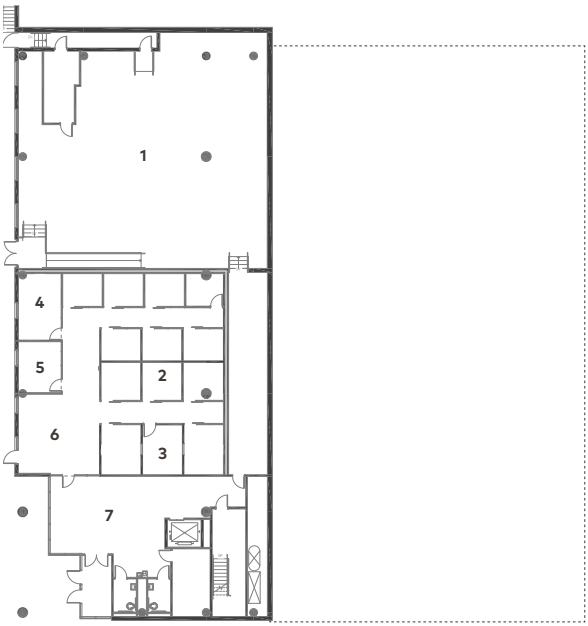


solar orientation

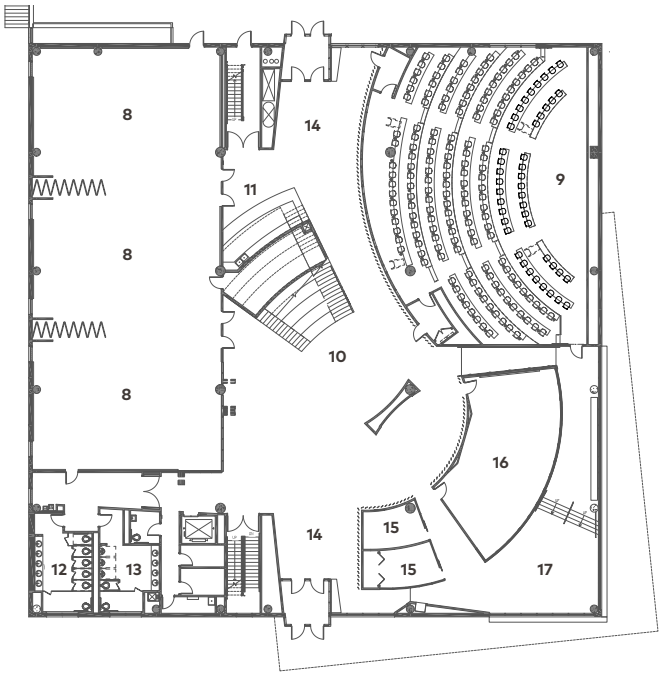


path of innovation

Level One connects with Level One of the existing Bloch School and has a west-facing, grade-level entry providing convenient access to the largest parking area of the Bloch School. This floor houses lobby spac, the behavioral research lab and building support spaces for mechanical and other uses.



The main entries are on Level Two, which houses a 200-seat auditorium, three active learning classrooms, a finance lab, small group study rooms and informal student study areas. The spaces are organized along a north-south axial lobby space. At the center of the building is an amphitheater connecting the three main levels of the building with a light-filled, three-story lobby.

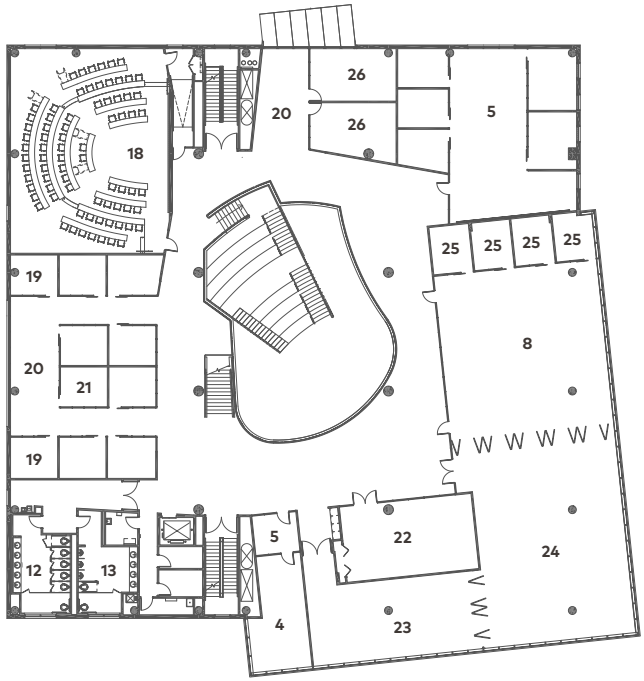


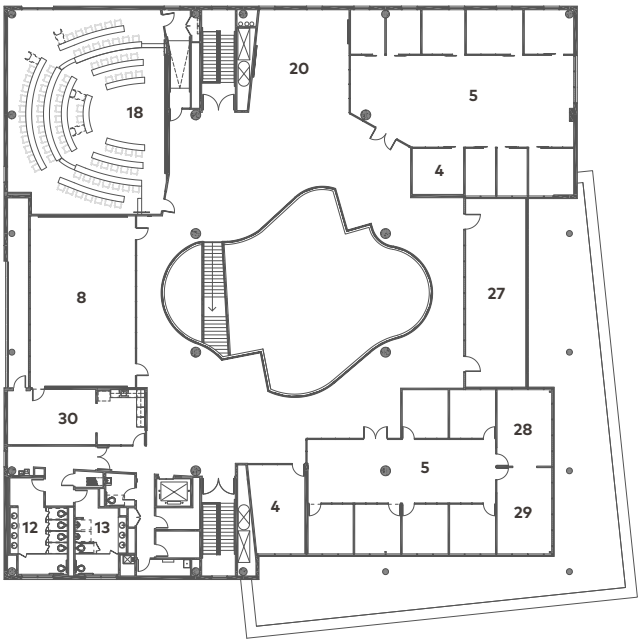
0 20 40 60 FT

1 Mechanical Room
2 Individual Research
3 Team Research
4 Conference
5 Office
6 Research Assistants
7 Lobby
8 Active Learning Classroom
9 Auditorium
10 Amphitheater
11 Cafe
12 Womens
13 Mens
14 Atrium
15 Group Study
16 Finance Lab
17 Quiet Study
18 Tiered Classroom
19 Executive Mentor
20 Open Teaming
21 Venture Accelerators
22 Prototyping
23 Brainstorming
24 Design-led Innovation Lab
25 Break-out
26 Seminar
27 Rooftop Patio
28 Dean's Conference

The Institute for Entrepreneurship and Innovation is the primary occupant of Level Three. The spaces include the Design-Led Innovation Lab, one 60-seat active learning classroom, an 80-seat tiered classroom, small group study rooms and institute offices wrapped around central lobby space.

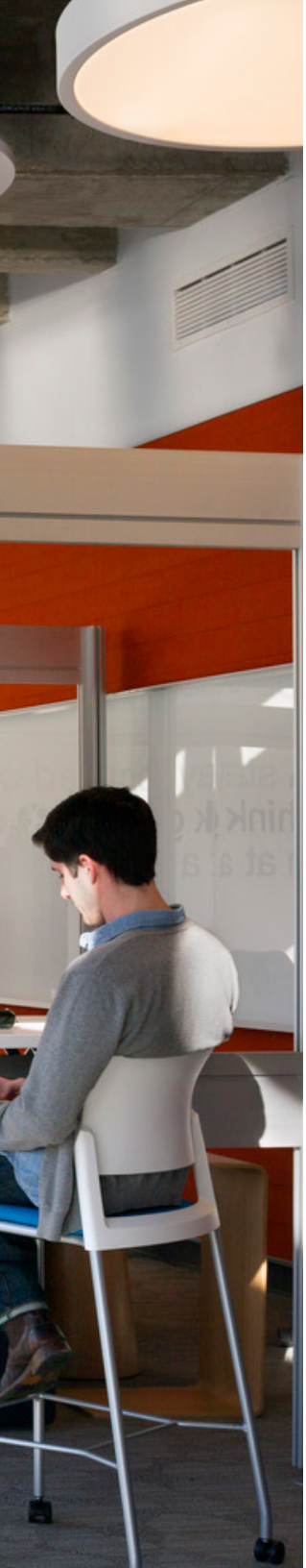
Level Four will house a second 80-person tiered classroom, the remaining active learning classroom/boardroom, small group meeting/office rooms for departmental use and the dean's suite. There is also a roof garden that opens to the central lobby space and serves the entire building for small group study, relaxation and special events.






Digital Dropbox


encourage wild ideas
dream big
quantity ∞
small bets
build on
of others
think
conversation




BLOCH EXECUTIVE HALL

AWARDS

2015 IIDA Mid America
Mid-America Design Awards - Silver Award -
Higher Education

2014 Precast/Prestressed Concrete Institute (PCI)
Best Higher Education/University Building

2014 Precast/Prestressed Concrete Institute (PCI)
The Harry H Edwards Industry Advancement Award

2014 AIA Kansas City
Merit Award, Excellence in Architecture

2014 AIA Kansas
Excellence in Architecture Merit Award

2013 Precast/Prestressed Concrete Institute (PCI)
Honorable Mention

2013 Design-Build Institute of America (DBIA)
Mid-America Regional Award

2013 Concrete Promotional Group (CPG)
Excellence in Concrete Award – High Rise

2013 AIA Kansas City
Citation Award – Architecture

2013 Southtown Beautification Award

Fine Arts + Design Studios

JOHNSON COUNTY COMMUNITY COLLEGE
OVERLAND PARK, KANSAS

The new Fine Arts + Design Studios building at Johnson County Community College (JCCC) brings together the following disciplines into a single, carefully crafted facility: graphic design, sculpture, ceramics, metals, painting, drawing, photography, and filmmaking. The building and its spaces exemplify the notion of learning by doing, providing a framework for new synergies and enhanced collaboration across disciplines that are currently dispersed across campus.

In addition to providing flexible and vibrant interior studios, the building is thoughtfully sited to provide intimately scaled exterior spaces for the creation and display of art, and integrate and strengthen campus connections. The building will also anchor a new arts neighborhood on campus with its adjacency to JCCC's successful Wylie Hospitality and Culinary Academy Building and the Nerman Museum of Contemporary Art.

The design of the Fine Arts + Design Studios project has included careful consideration of the building envelope, energy use, occupant health and well-being, building systems and connection to the surrounding campus. The project is currently on target to achieve a LEED V4 Silver rating. It is anticipated that the building will achieve a total energy savings of about 25% over the baseline case.

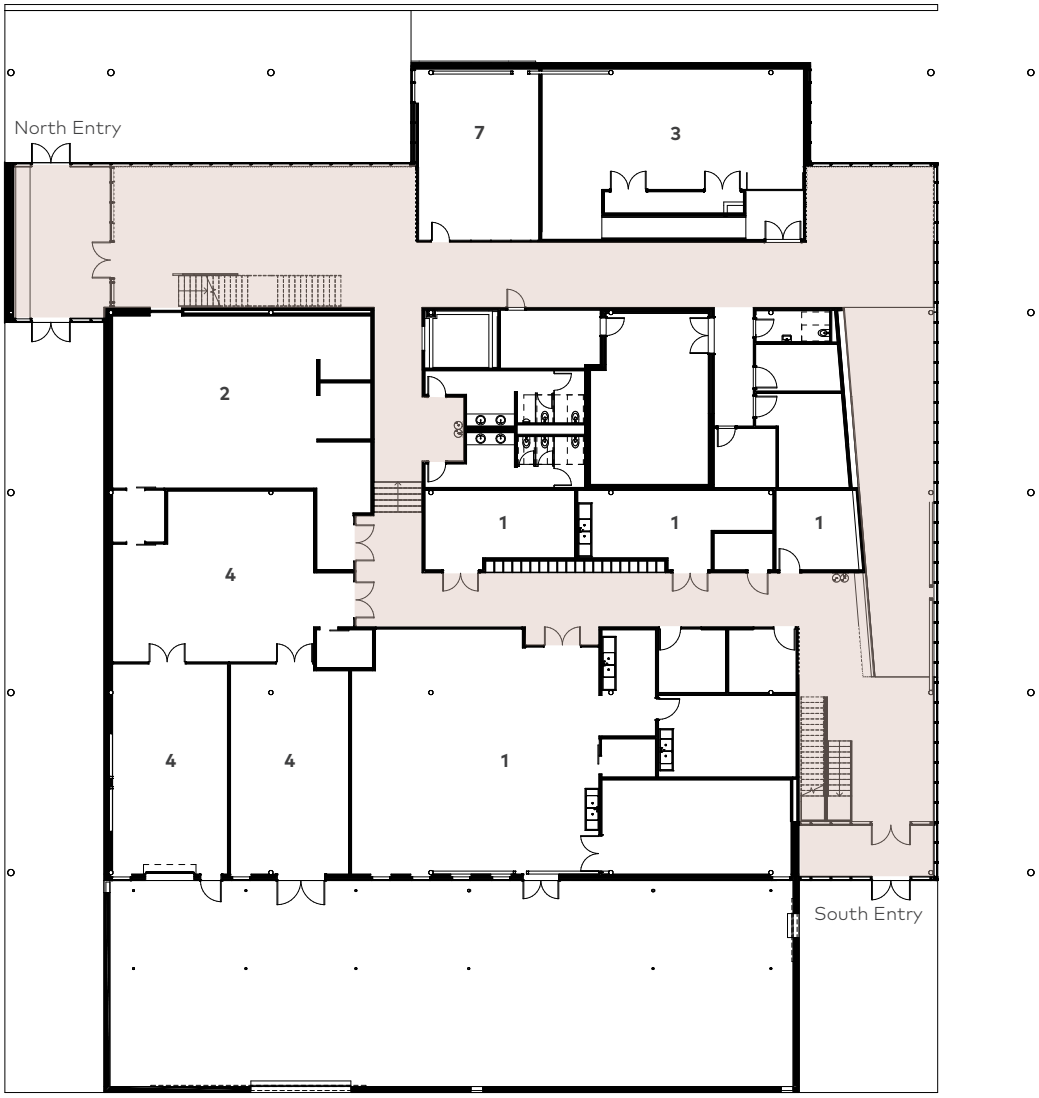
40,000 SF
Completion in 2018

AWARDS:

2019 AIA Kansas City
Architecture Medium: Merit, Design Excellence Awards

2019 AIA Kansas
Merit Award, Architectural Project

2019 AIA Central States Region
Honor Award



FIRST FLOOR

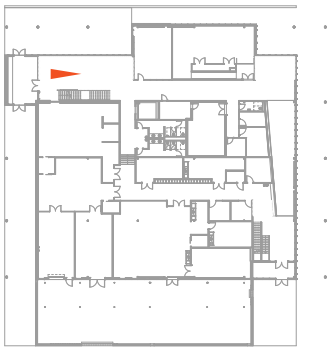
1 Ceramics
2 Metalsmithing
3 Photo + Film
4 Sculpture
5 2D Arts
6 Graphic Design
7 Multi-Use Space
8 Student Production/Lounge
9 Crit/Gallery Space

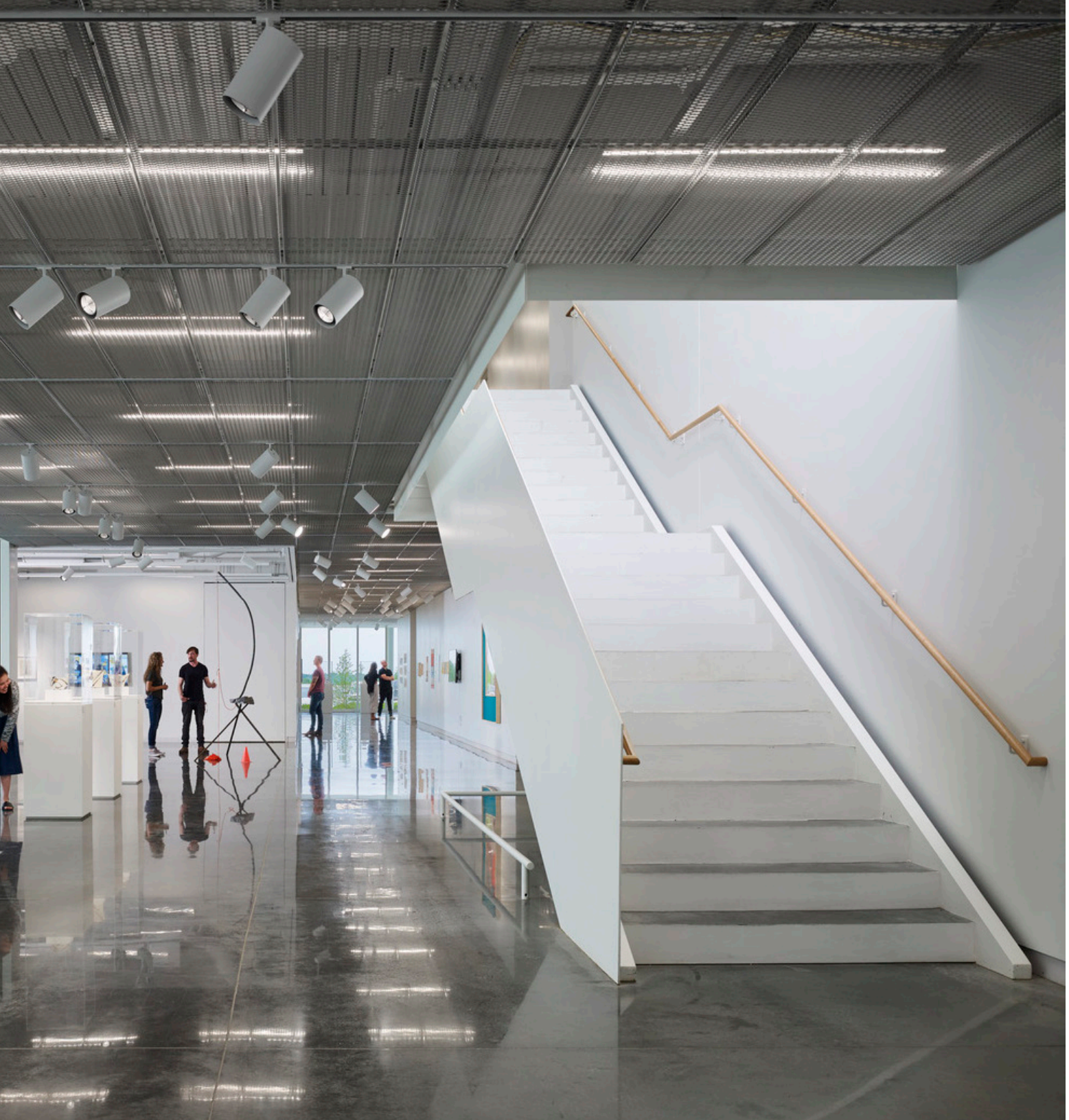
Circulation through the building

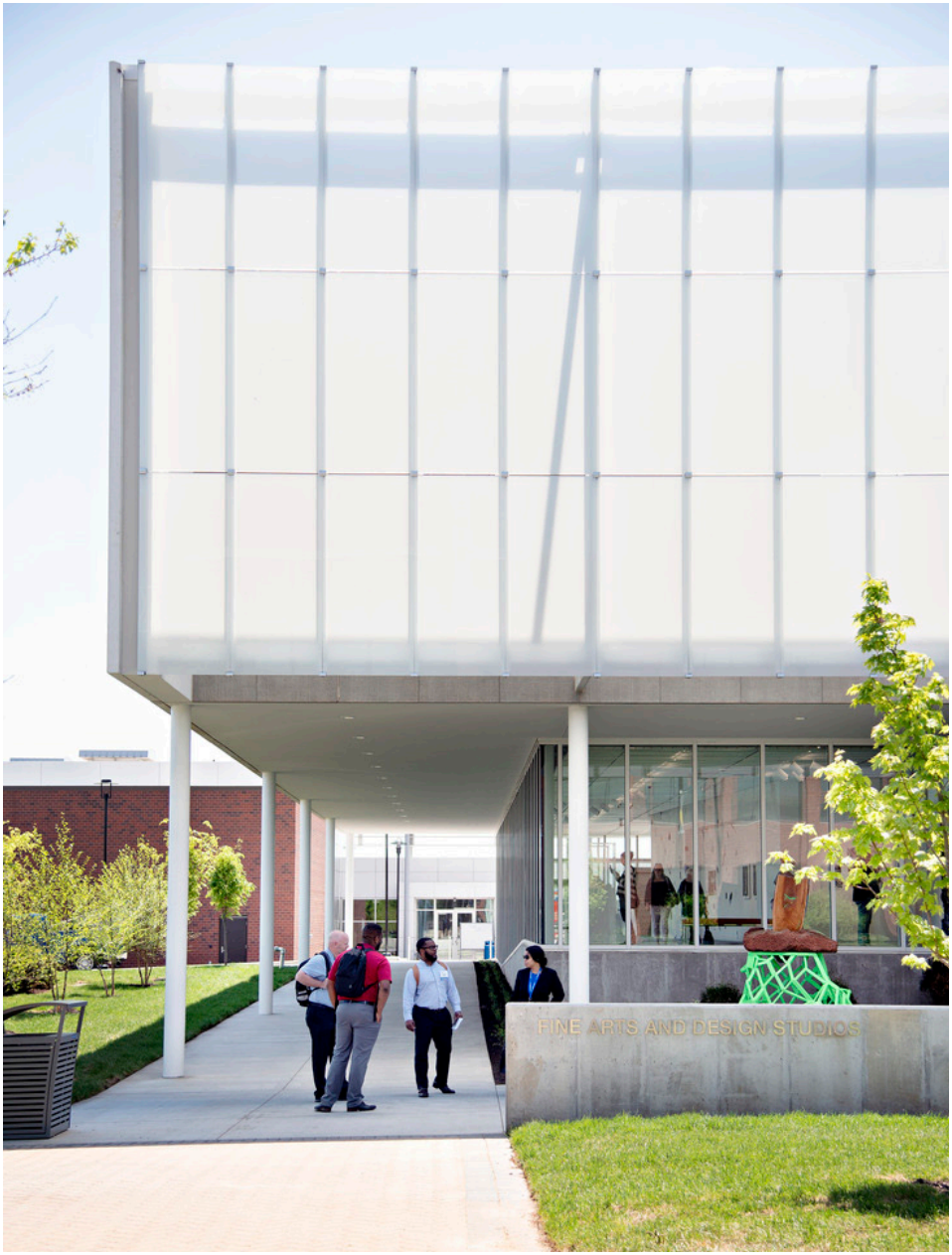
SECOND FLOOR

North Entry

Informally referred to by the project team as “the Street” this north entry and corridor which expands to the east facade and connects to the southeast entry will serve as gallery space for both 2D and 3D art to be displayed. Exterior walkways allow for the viewing of work form the outside in through full height glazing along “the street”. The panelized expanded metal ceiling above provides an overhead canvas for hanging work while integrating a flexible track lighting system. The Mixed-Use space beyond is not dedicated to a specific department and can therefore be used for a variety of purposes such as formal gallery space, special exhibits, special project space, classroom, etc. It has fully operable glass walls that can be opened up for special events. The connecting stair with clerestory above filters natural light into the space. This is duplicated near the southeast entry as well.






FINE ARTS AND DESIGN STUDIOS

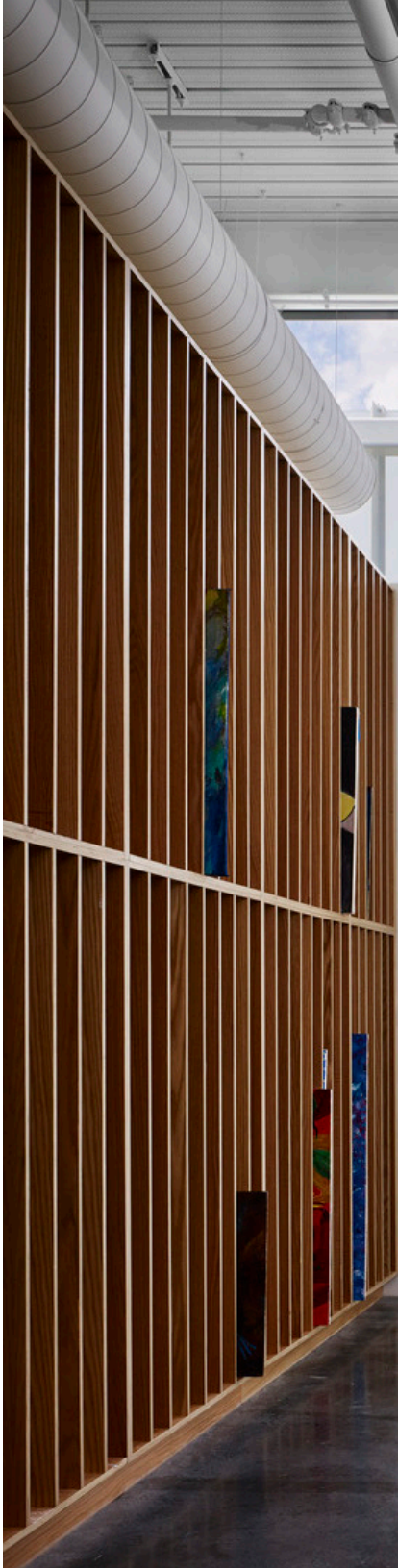
Crit/Gallery Space
Located on the second floor near the south connecting stair, this Crit/Gallery space is another area that is not dedicated to a specific department and, therefore, providing flexibility to the users. Both planned and spontaneous activities will take place here ranging from special exhibits, small group presentations, special projects, and classes.

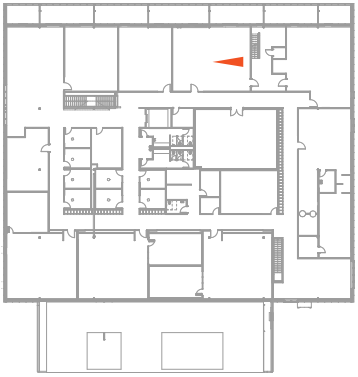
Student Production/Lounge

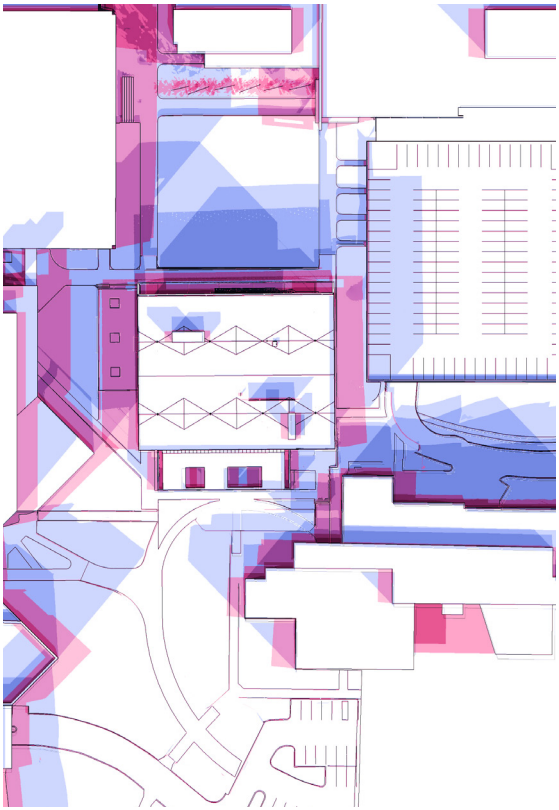
This Student Production space and lounge will not only serve as a space to help students get their work done outside of class but will also encourage the cross-pollination of programs as a place to gather and retreat away of the classrooms and studios. Visibility to and collaboration with students from the various art and design programs is a critical project goal. This space provides access to network computers, art supplies and equipment, storage for work, vending machines, and a variety of postures ranging from comfortable seating to standing. This area is located near the connecting stair to the gallery space below with other amenities directly adjacent including Print Lab/Materials Check-Out, Library for shared resources, and staff and faculty offices. All the gypsum walls are constructed with plywood backing so that various art can be displayed throughout all public corridors. Natural daylight floods the space by way of clerestories and large windows.

Painting Studio

The Painting studio with optimal northern light, gallery walls, high ceilings, flexible lighting, open floor space, updated technology and various storage spaces will support the teaching of the arts. A specialized ventilation system is integrated into the walls to maintain healthy indoor air quality.







Summer and Winter Shade Overlays

Summer	Winter
9 am	9 am
12 am	12 am
3 am	3 am

Plant Typologies Based on Sun

- Full Sun
- Part Sun
- Full Shade

Landscape

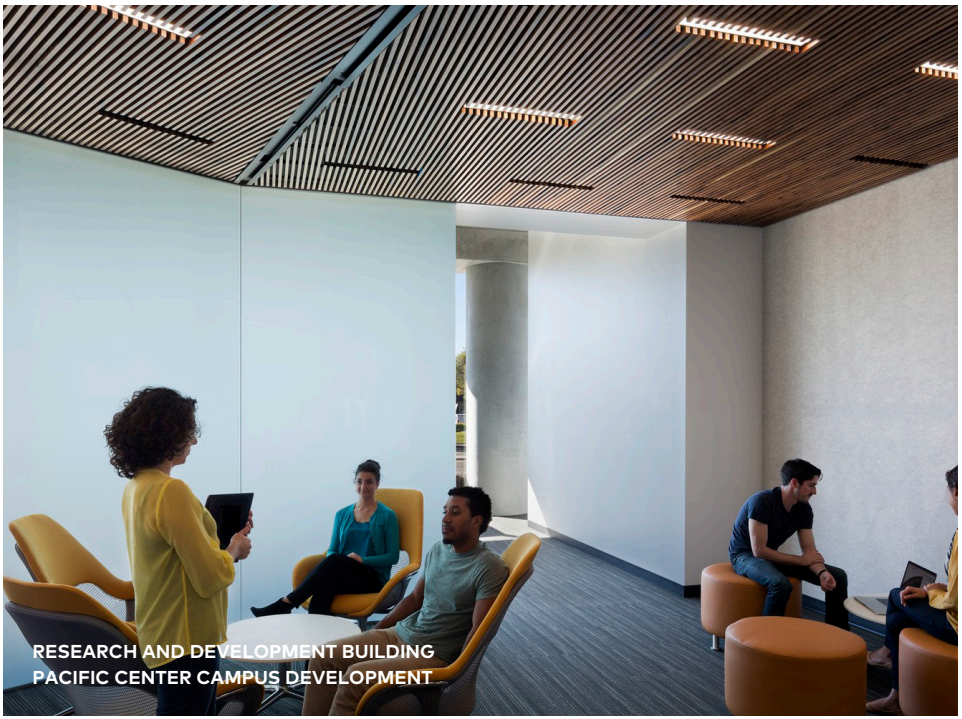
The campus landscape at Johnson County Community College (JCCC) is similar to other community college landscapes in many ways, yet is also uniquely different. The gathering spaces between the academic buildings vary in scale, from large, more public courtyard spaces or amphitheater style spaces down to small, very intimate areas for personal study or reflection. All of these spaces, despite their scale, are enhanced by a lush, very diverse and comprehensive palette of plant material, unlike the majority of community college campuses. The landscape at the Fine Arts + Design Studios building is no different, it is informed by its contextual surroundings and microclimate and establish unique landscape typologies that vary in function and style. There is a large, minimal lawn area for active play, a shaded hardscape area for passive gathering and maybe most importantly, a sculpture garden, where large scale art pieces created by the students in the new academic building can be showcased, amid a dense ground plane of ornamental plantings. All of these plantings are native, assisting in stormwater treatment and minimizing long term maintenance needs.

SPACES FOR

Innovation

SEATON HALL
KANSAS STATE UNIVERSITY

SCHOOL OF MEDICINE RENOVATION
UNIVERSITY OF MISSOURI-KANSAS CITY



RESEARCH AND DEVELOPMENT BUILDING
PACIFIC CENTER CAMPUS DEVELOPMENT

CENTER FOR ADVANCED +
EMERGING TECHNOLOGIES / MCC

BLOCH EXECUTIVE HALL
UNIVERSITY OF MISSOURI-KANSAS CITY

SEATON HALL
KANSAS STATE UNIVERSITY

SPACES FOR

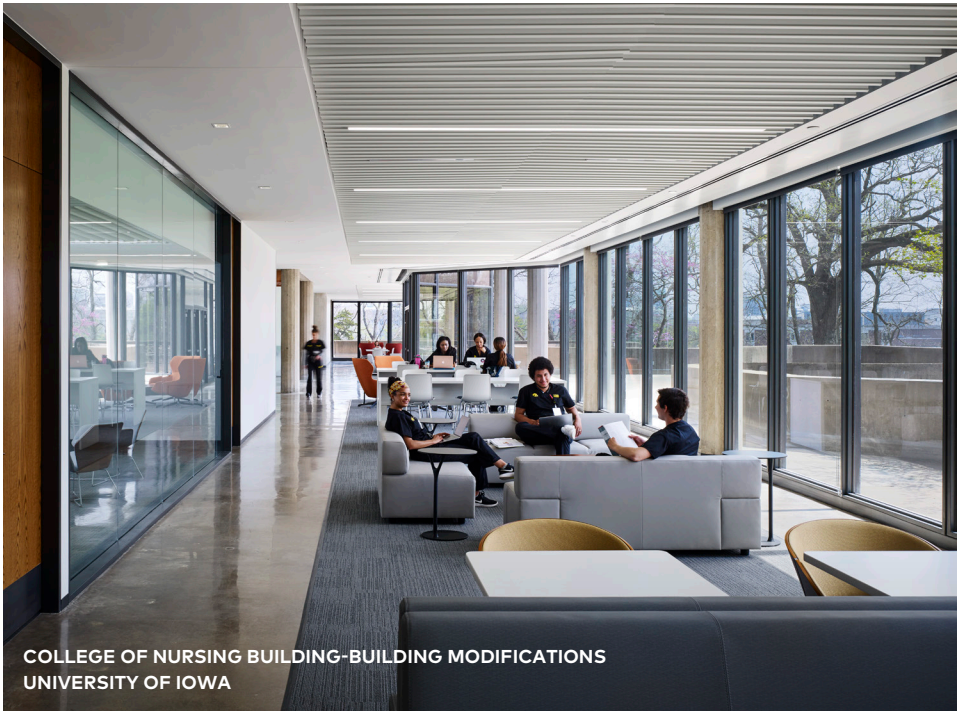
Collaboration

SEATON HALL
KANSAS STATE UNIVERSITY

SCHOOL OF MEDICINE RENOVATION
UNIVERSITY OF MISSOURI-KANSAS CITY

AMENITIES BUILDING
PACIFIC CENTER CAMPUS DEVELOPMENT

PLEXPOD WESTPORT COMMONS
KANSAS CITY, MISSOURI

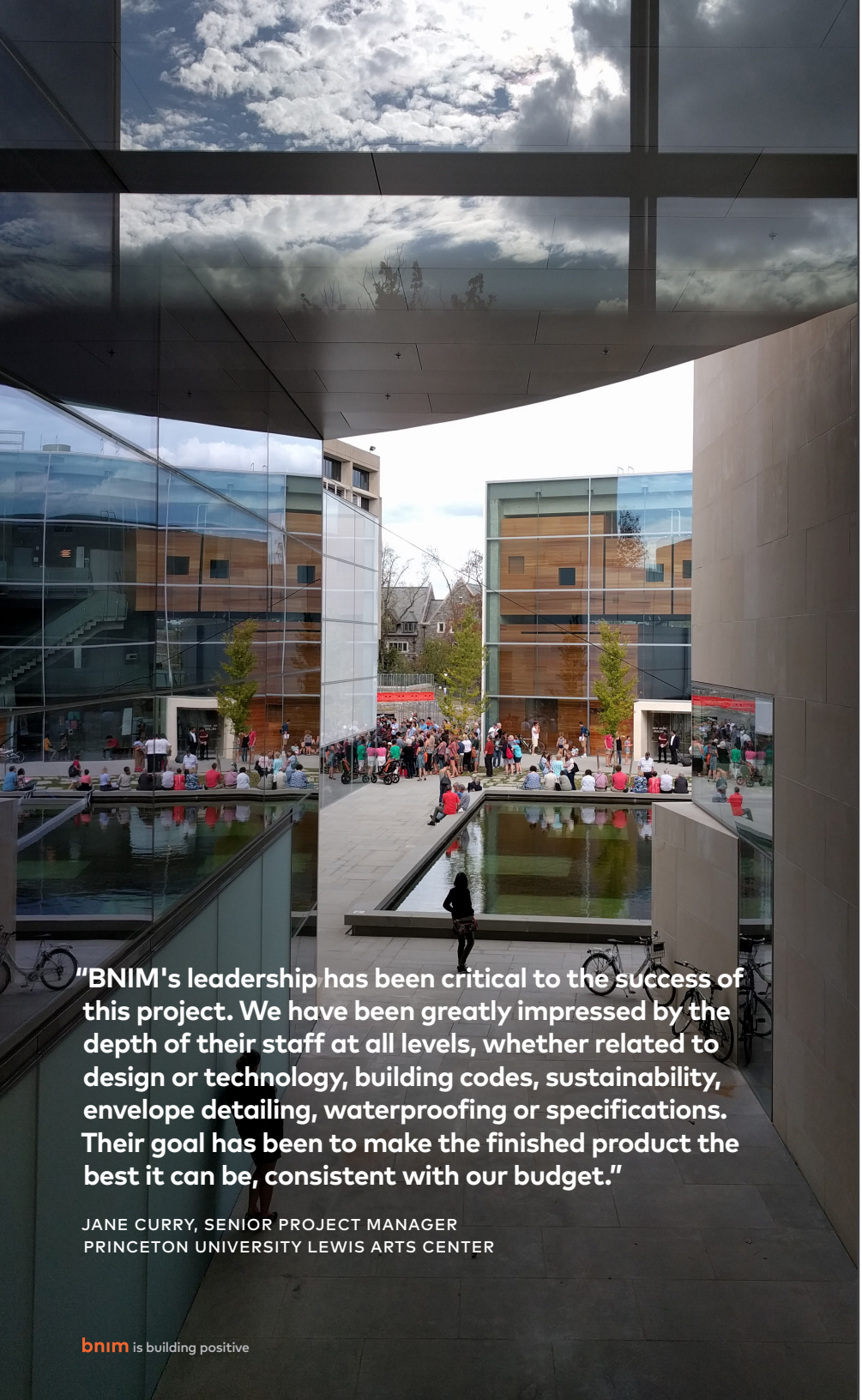


COLLEGE OF NURSING BUILDING-BUILDING MODIFICATIONS
UNIVERSITY OF IOWA

TROXEL HALL
IOWA STATE UNIVERSITY

CENTER FOR ADVANCED +
EMERGING TECHNOLOGIES / MCC

RESEARCH AND DEVELOPMENT BUILDING
PACIFIC CENTER CAMPUS DEVELOPMENT



"BNIM's leadership has been critical to the success of this project. We have been greatly impressed by the depth of their staff at all levels, whether related to design or technology, building codes, sustainability, envelope detailing, waterproofing or specifications. Their goal has been to make the finished product the best it can be, consistent with our budget."

JANE CURRY, SENIOR PROJECT MANAGER
PRINCETON UNIVERSITY LEWIS ARTS CENTER

AIB COLLEGE OF BUSINESS
Campus Master Plan

CALIFORNIA STATE UNIVERSITY, LONG BEACH
Child Development Center
Presidents Suite
The Pointe Renovation
TOCA (Task Order Construction Agreement)

CALIFORNIA POLYTECHNIC STATE UNIVERSITY, SAN LUIS OBISPO
Kennedy Library Renovation Programming + Feasibility Study

CALIFORNIA STATE UNIVERSITY, SAN MARCOS
Integrated Sciences and Engineering Study
Student Wellness Building Feasibility Study

CAMBRIAN COLLEGE
Cambrian College Energy Center of Excellence

CHATHAM UNIVERSITY
Eden Hall Campus Master Plan

DRAKE UNIVERSITY
Meredith Hall Feasibility Study
Harkin Institute

GEORGIA INSTITUTE OF TECHNOLOGY
Price Gilbert Library and Crosland Tower Renewal

GRINNELL COLLEGE
Nollen House Renovation + Addition
Academic Center Renovation
1127 Park Street Renovation + Addition Study
Grinnell House Renovation + Addition Study
Preschool Psychology Lab Facility Study

IOWA STATE UNIVERSITY
Gerdin Business Building Expansion
Parks Library Window Replacement
Troxel Hall Auditorium
Pearson Hall Classroom Improvements

JOHNSON COUNTY COMMUNITY COLLEGE
Career and Technical Education Building
Fine Arts + Design Studios

KANSAS CITY ART INSTITUTE
Campus Master Plan + Plan Verification
Campus Coffee House
ARTSpace (adaptive reuse)
Jannes Library + Learning Center
New Academic Building Feasibility Study

KANSAS STATE UNIVERSITY
Justin Hall Renovation + Addition Study
Seaton Hall Revitalization + Expansion (with Ennead)
FASTER Feasibility Study + Programming
McCain Auditorium Study + Concept Design

BNIM Higher Education Experience

LITTLE BIG HORN COLLEGE
Health + Wellness Center

MARQUETTE UNIVERSITY
New School of Business

METROPOLITAN COMMUNITY COLLEGE
Blue River Campus Public Safety Renovation & Addition
Blue River Campus New Facilities Building
Blue River Campus Public New Career Training Facility
Longview Campus Concept Study

METROPOLITAN COMMUNITY COLLEGE- OMAHA
Center for Advanced and Emerging Technology

MIDDLEBURY COLLEGE
Middlebury College Bicentennial Hall

MIRACOSTA COMMUNITY COLLEGE DISTRICT
Master Services Agreement

MISSOURI STATE UNIVERSITY
Walnut Street Housing (with Hanbury Evans Wright Vlattas)
Blair-Shannon House Renovation
Freudenberger House Renovation
Hammons House Renovation
Hutchens House Renovation
Kentwood Hall Study
Garst Dining Center Renovation and Addition
Looney Hall Renovation (West Plains Campus)
Jordan Valley Innovation Center Renovation
Ozarks Education Center, Bull Shoals Field Station

MISSOURI UNIV. OF SCIENCE & TECHNOLOGY
Student Success Center Programming Study

MONTANA STATE UNIVERSITY
Montana State University EPICenter + NIST Report
Gaines Hall Renovation

OBERLIN COLLEGE
Green Arts District Master Plan
Master Plan Programming + Planning

PALOMAR COMMUNITY COLLEGE
Maintenance and Operations Facility

PRINCETON UNIVERSITY
Lewis Center for the Arts (with Steven Holl Architects)

RESEARCH COLLEGE OF NURSING
Classroom Renovations

ROCKHURST UNIVERSITY
Campus Master Plan
Parking Structure

RICE UNIVERSITY
Anderson Hall Improvements

SOUTH DAKOTA STATE UNIVERSITY
Visual Arts Building (with Koch Hazard Architects)

TARRANT COUNTY COLLEGE DISTRICT
Center of Excellence for Energy Technology

THE UNIVERSITY OF BRITISH COLUMBIA
C.K. Choi Institute of Asian Research (Sustainable Design Consultant)

UNIVERSITY OF CALIFORNIA - BERKELEY
Moffitt Library Renovation

UNIVERSITY OF CALIFORNIA - LOS ANGELES
Medical Education Building + Biomedical Library (with Lake | Flato Architects)
Engineering VI Phase I (WIN-GEM) (with MRY)
Engineering VI Phase II (with MRY)

UNIVERSITY OF CHICAGO
Stevanovich Institute on the Formation of Knowledge (with UrbanWorks Architecture)

UNIVERSITY OF GEORGIA
Odum School of Ecology

UNIVERSITY OF HOUSTON
Campus Expansion Site Study
Michael J. Cemo Hall

UNIVERSITY OF IOWA
Visual Arts Building (with Steven Holl Architects)
Newton Road and Melrose Avenue Parking Facilities Architectural Enhancements
Museum of Art
Psychological + Brain Sciences Center
Stuit Hall Renovation
Art Building West Flood Recovery
Art Building Flood Replacement Project (with Steven Holl Architects)
Seamans Center for the Engineering Arts + Sciences
University of Iowa Informatics Initiative (UI^3)
College of Nursing Building

UNIVERSITY OF KANSAS
KU Endowment Association Office Renovation
Marvin Hall Addition + Renovation Study
School of Engineering M2SEC Research Building NIST Grant

UNIVERSITY OF KANSAS MEDICAL CENTER
Parking Garage #5

UNIVERSITY OF MISSOURI
Christopher S. Bond Life Sciences Center
Virginia Avenue Parking Garage
Maryland Avenue Parking Design-Build Guidelines
Reynolds Alumni Center
Journalism School Renovations
Parking Garage No. 7
Patient-Centered Care Learning Center
School of Music Building

UNIVERSITY OF MISSOURI - KANSAS CITY
The Henry W. Bloch Executive Hall for Entrepreneurship + Innovation
Cherry Street Parking Garage
Heritage Hall Study
Hospital Hill Parking Garage
Hospital Hill Health Sciences Education + Research Buildings Planning Study
School of Medicine Renovation

UNIVERSITY OF NEBRASKA MEDICAL CENTER
Harold M. + Beverly Maurer Center of Public Health

UNIVERSITY OF NORTH CAROLINA CHAPEL HILL
Carolina North Utilities Master Plan

UNIVERSITY OF NORTHERN IOWA
University Center Feasibility Study

UNIVERSITY OF SOUTHERN CALIFORNIA
USC Viterbi Dr. Allen & Charlotte Ginsburg Human-Centered Computational Building - Concept Design

UNIVERSITY OF TENNESSEE-CHATTANOOGA
Sustainability Workshop

UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON
University of Texas Flood Mitigation + Hazard Plan
University of Texas Central Campus Master Plan
University of Texas Campus Redevelopment
School of Nursing + Student Community Center
The Fayez S. Sarofim Research Building
Mental Sciences Institute

UNIVERSITY OF WISCONSIN - MADISON
School of Nursing (Programming + Design Development Consultant)

WASHINGTON UNIVERSITY IN ST. LOUIS
East Precinct Framework Plan
New Parking Facility

YORK UNIVERSITY
Computer Science Building (Sustainable Design Consultant)

bnim is building positive

2460 PERSHING RD
SUITE 100
KANSAS CITY
MO 64108

816 783 1500

317 6TH AVE
SUITE 100
DES MOINES
IA 50309

515 974 6462

797 J ST

SAN DIEGO
CA 92101

619 795 9920

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