2017
SGH / Dri-Design Scholarship

Spring 2017
Arch 411 Architectural Design Studio: Integrate
University of Nebraska-Lincoln
College of Architecture

The mission for the Architecture program is to provide the educational foundation for articulate, intellectually aware, self-realizing architecture professionals capable of performing effectively in evolving design disciplines.

2017
SGH / Dri-Design
Scholarship

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College of Architecture
232 Architecture Hall
Lincoln, NE 68588-0107
(402) 472-7943

architecture.unl.edu

Spring 2017
Arch 411 Architectural Design Studio: Integrate.
Continuation of complex problems as it relates to the integration and consideration of environmental stewardship. Emphasizing technological considerations as formal and organizational influences including technical documentation, accessibility, site design, life safety, environmental systems, structural systems, and building envelope systems and assemblies.

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Photographs.
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The College of Architecture at the University of Nebraska-Lincoln, in partnership with SGH Inc. and Dri-Design, has established a student scholarship competition for the fourth-year, undergraduate, architectural design studios. The scholarship recognizes student projects exemplifying outstanding design investigation, resolution, and significance.

This opportunity brings together aspiring architects and industry leaders to advance disciplinary knowledge of design, materiality, and innovation.

Following the end-of-semester review, one project from each studio is selected to compete for the SGH Inc./Dri-Design Scholarship. These projects are presented to an external jury who are all established practitioners in their fields. A finalist is chosen for producing and communicating a comprehensive architectural project that is a result of design decisions at different scales. To be successful, students demonstrate a high degree of professional dedication, rigor, open-mindedness, and resourcefulness. Projects are rigorously developed and clearly communicate the breadth and depth of investigation.

We thank our sponsors SGH, Inc., a leading distributor and installer of customized building products, and Dri-Design, a producer of advanced and sophisticated metal wall panel systems.

Spring 2017 - Architecture Design Studio Faculty
Mark Bacon, AIA, Creative Director / Senior Associate, BVH Architecture, Adjunct Professor, University of Nebraska

Matt Knutson, Architect Exis Design Group, NCARB, Legacy LEED AP, Lecturer, University of Nebraska

Santiago Perez, Lecturer, University of Nebraska

SPONSORS

SGH
[architectural products]

SGH, ARCHITECTURAL PRODUCTS

SGH, Inc. is a leading distributor and installer of customized building products primarily used for the exterior of commercial buildings. Unlike other providers, SGH, Inc. supplies only the highest quality products and expert installation services. From the initial idea to the final details, SGH, Inc. has the resources to successfully execute projects of any size from concept to completion.

Since SGH also sources the materials they install, their employees have an intricate knowledge of how the products work, the best way to install them and pass that expertise on to their customers. The SGH professional team works closely with owners, architects and contractors to ensure that the product looks stunning both on paper and in use.

We would especially like to thank Troy Burkey for helping establish this program.

dri-design®
WALL PANEL SYSTEM

DRI-DESIGN
Founded in Holland, Michigan in 1995, under the leadership of President Brad Zeeff, dri-design has turned the Metal Panel Industry on its ear. With dri-design, Zeeff set out to solve what he viewed as the significant shortfalls of traditional metal panel systems: delamination, staining due to the effects of weather on joints and gaskets, a lack of color and texture options, the rising cost of production and inefficient installation practices.

The result of dri-design's meticulous engineering, is a 100% recyclable, pressure equalized rain-screen, architectural metal wall panel system that attaches to nearly any substrate without the use of clips or extrusions. The pressure equalized rain-screen design can be installed simply over commercial grade Tyvek onto plywood, or as the most sophisticated outboard insulation pressure equalized rain-screen you can design.

We would especially like to thank Jason Zeeff for partnering with SGH.

JURY

ANTJE STEINMULLER

Studio Urbis

Antje Steinmuller is an assistant professor of architecture and associate director of the Urban Works Agency at California College of the Arts. Her research explores the role of designers at the confluence of citizen-led and municipally regulated processes in the design of urban space. Antje is also a principal at the architecture and urban design practice Studio Urbis, and co-founder of ideal X, a design consultancy focused on the conditions and opportunities of public spaces in transition.

BRIAN JOHNSEN

Johnsen Schmaling Architects

Brian Johnsen, AIA, is the Fitzhugh Scott Distinguished Professor in Practice at the University of Wisconsin-Milwaukee School of Architecture & Urban Planning and a founding partner of Johnsen Schmaling Architects, an award-winning design and research studio based in Milwaukee whose work has garnered critical acclaim for its conceptual clarity, formal discipline, astute detailing, and an unequivocal commitment to architectural innovation and environmental sustainability. Johnsen Schmaling Architects received an Emerging Voices award from the Architectural League of New York, and Architectural Record featured their office in its Design Vanguard issue as one of "ten exceptional global architecture firms to watch."

ERIC R. HOFFMAN

patterhn ives, llc

Eric R. Hoffman, AIA NCARB LEED AP is a professor of Practice at Washington University in Saint Louis, a founding partner of patterhn ives, llc, and recipient of the 2013 National AIA Young Architects Award. A leading practitioner and educator, Eric is passionately committed to innovation, realization, mentorship and the environment. Spanning over twenty years, Eric has contributed on a diverse range of award-winning cultural, civic and public buildings. Notable experience includes the Walker Art Center, the Saint Louis Art Museum, Portal House and Ellis Hall for the Department of Music at Missouri State University.

PRE-DELIBERATION


THE FUTURE
BELONGS TO
THOSE WHO
PREPARE FOR IT.
FALL 2016

12

DELIBERATION


fragmented data

ANNOUNCEMENT

Honor Award

Interstitial Hope

Benjamin Kunz, Mallory Lane
Faculty mentor: Mark Bacon

The design intent of this project is to provide a multi-sensory experience for sacred architecture, specifically programming for death and the grieving process through a funeral chapel. The team divided the five stages of grief into three moments: the initial death, the separation, and the reconciliation. The project goal is to change the perception of death and the grieving process through a linear progression as a sequence of the narrative of a better place. They did this by separating the mourners below ground and the body above ground.

In order to create a mysterious presence within the sacred, they created an interstitial space shrouded with a light translucent fabric on both the interior and exterior of the building wall. This creates a mysterious presence with shadows that change the lighting effect reflecting the outside nature and its sacred presence. The materials above ground where the body is located are light materials to reflect the lightness of the body being in a better place, as well as the layering offering an interstitial space for the sacred presence. The team used light and shadow qualities from the trees to create a glass frit texture, and a mysterious movement by adding two fabric screen layers surrounding the glass. This creates a quality of light from above that is changing in ways that we cannot fully understand. The materials below ground where the mourners are located are heavy slate and burned wood, reflecting the darkness of grieving and the rawness that come with it.


INTERSTITIAL | | HOPE
FOURTH FLOOR
SECOND FLOOR
FIRST FLOOR | MOURNERS

1

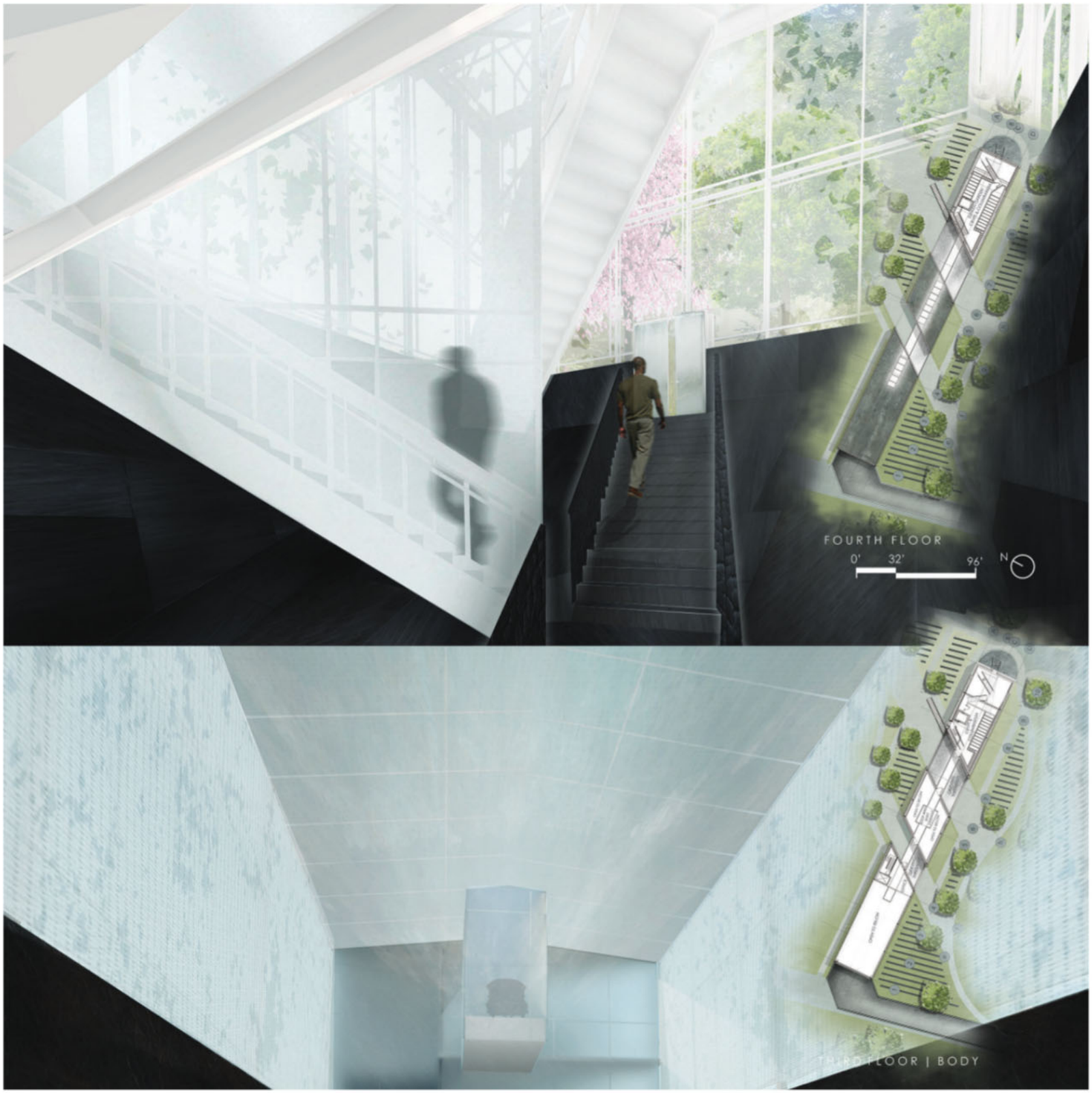
2

3

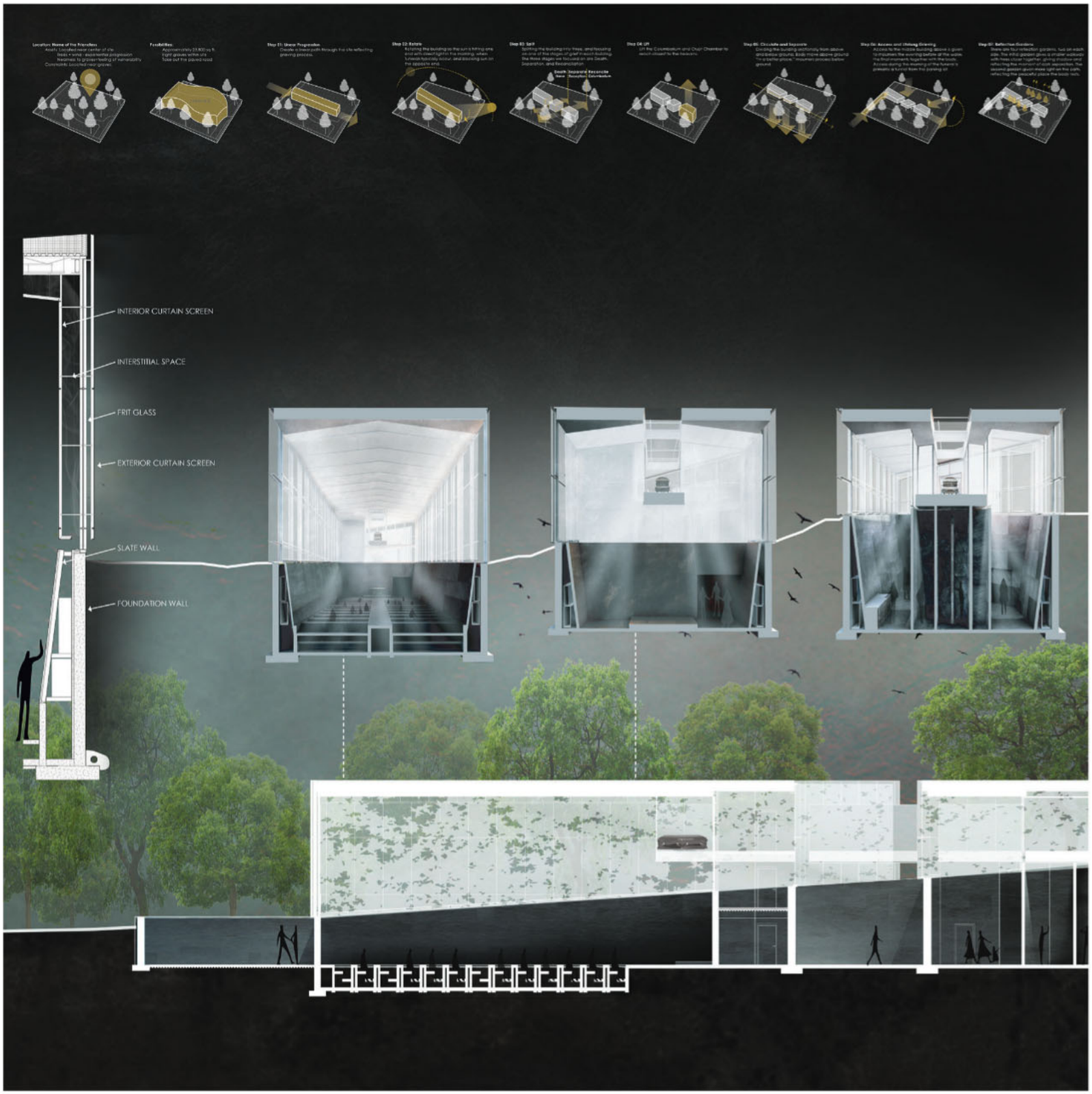
4

"Interstitial Hope" demonstrates a comprehensive approach within a poetic foundation. The concept is rich and visceral with an amazing exploration of light as a material. The design illustrated an exceptional connection between material selection and conceptual intent. The jurors were impressed with the team's conceptual rigor and clear design trajectory.

Kunz + Lane | Board 1



Kunz + Lane | Board 2



Kunz + Lane | Board 3

Kunz + Lane | Board 4

Finalist

Fragmented Data

Mason Christensen, Chris Reeh
Faculty mentor: Matt Knutson

Fragmented Data is a mixed use information literacy center composed of a library, office, retail, and residential program. It is shaped by the collection of data from information sources located throughout Lincoln as transcribed by vectors projecting to and through the site. At the building site, the contours from these information sources overlap and intertwine representing a method to become information literate, as the more sources of information a person is exposed to, the more likely they are to reach the accurate conclusion. The overlapping of the contours creates outlines of architectural form. These forms are a physical representation of the chaotic means by which people currently receive information, and the way in which the team begin to interpret it. Architecturally, the forms are actualized as a steel diagrid shell to the building's program and then function as a shading device and privacy barrier to the design's residential units which are composed of wood siding and floor to ceiling expanses of glass. These residential units are open to the exterior and, where appropriate, break through the generated forms, creating unique transitions between double and single enclosure.

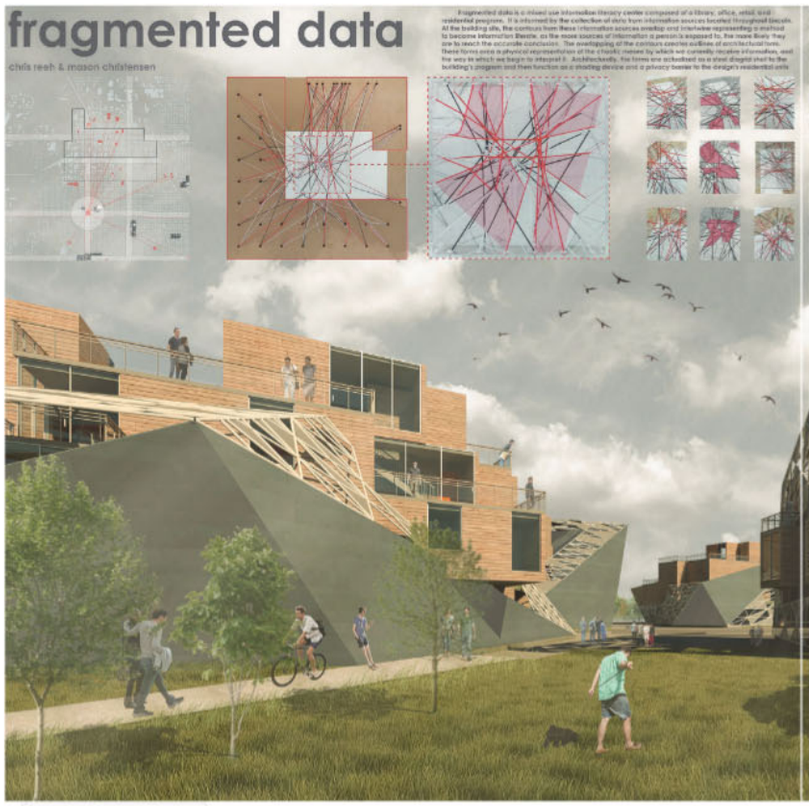
The ground plane of the design is also influenced by the contours, as portions of the site are cut creating a plaza centered between each of the site's buildings. Having this plaza creates an isolating experience as the user is able to step down from the heavily landscaped site boundary to an exposed center that allows for one to experience the dialog between forms and the distinct urban condition created.

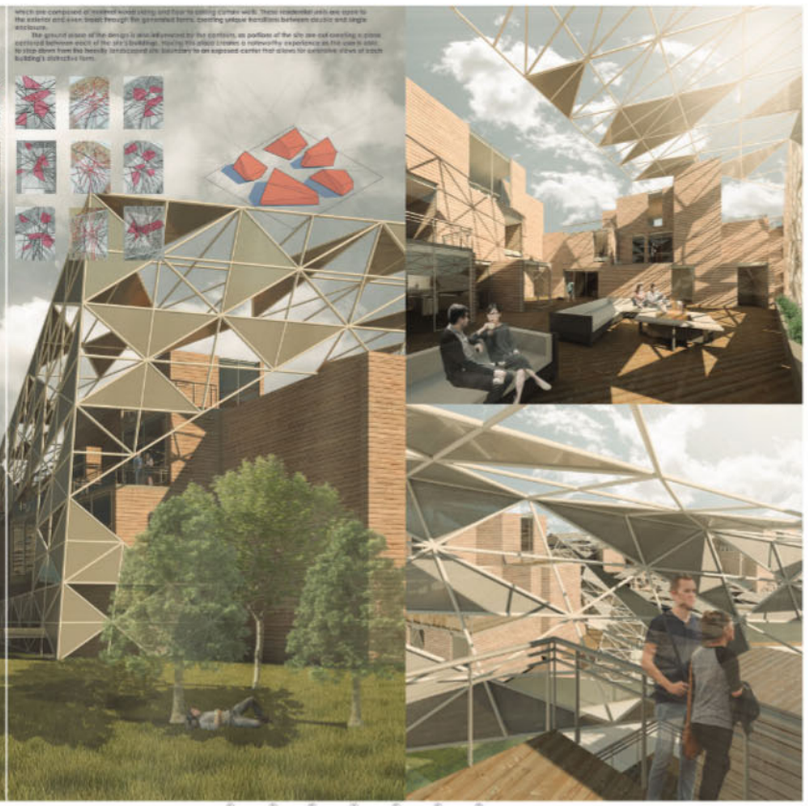
fragmented data

chris reah & mason christensen

Fragmented data is a mixed use information literacy center composed of a library, office, retail, and residential programs. It is informed by the collection of data from information sources located throughout Lincoln. At the building site, the contours from these information sources overlap and interlace representing a method to become information literate, as the more sources of information a person is exposed to, the more likely they are to reach the accurate conclusion. The overlapping of the contours creates outlines of architectural forms. These forms exist a physical representation of the chaotic noises by which we currently receive information, and the way in which we begin to interpret it. Architecturally, the forms are actualized as a steel diagrid shell for the building's program and then function as a shading device and a privacy barrier for the design's residential units which are composed of scattered wood siding and floor to ceiling curtain walls. These residential units are open to the exterior and even break through the generated form, creating unique transitions between exterior and single enclosure.

The ground plane of the design is also influenced by the contours, as portions of the site are cut creating a plane recessed between each of the site's buildings. Having this plane creates a noteworthy experience as the user is able to step down from the heavily landscaped site boundary to an exposed center that allows for expansive views of each building's distinctive form.





1

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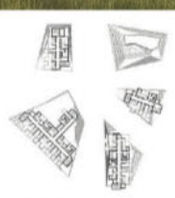
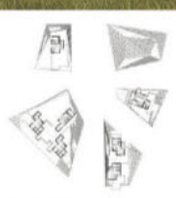
4

first floor plan

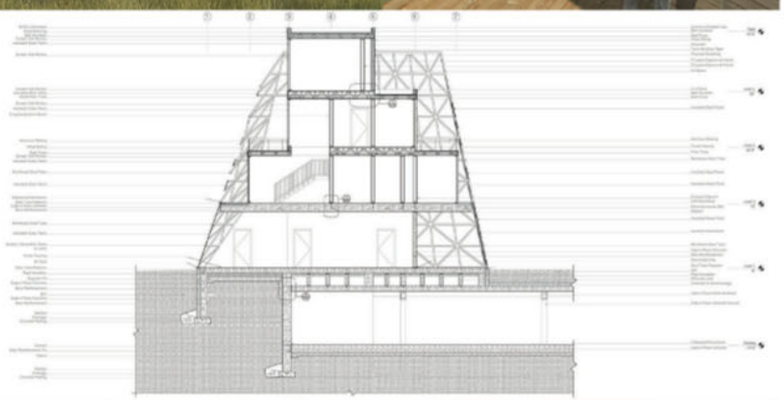
second floor plan

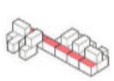


third floor plan



fourth floor plan

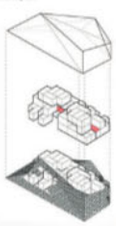


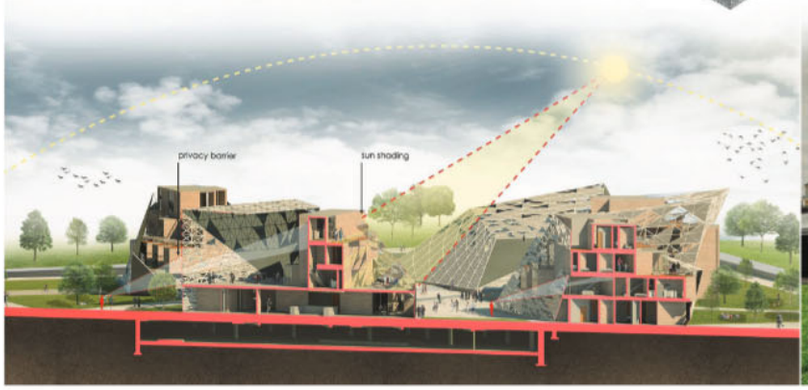


one bedroom apartments

two bedroom apartments

three bedroom apartments



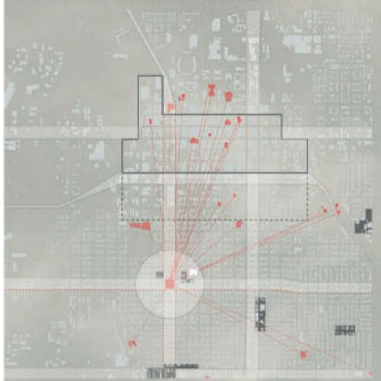


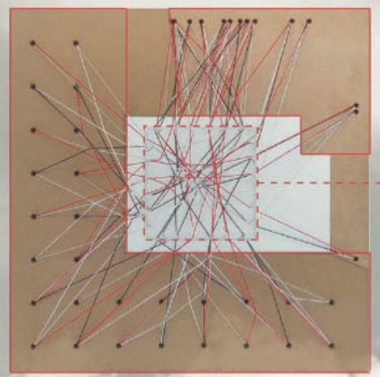
This team exhibited a coherent articulation of design intent with a clear conviction and rich exploration of design concept, design making and social strategy. The level of development in the drawings was impressive. The drawings and diagrams were strong, clear, concise and easily legible.

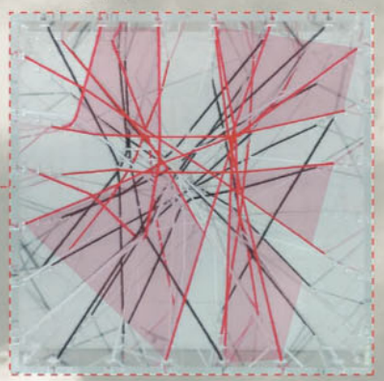
fragmented data

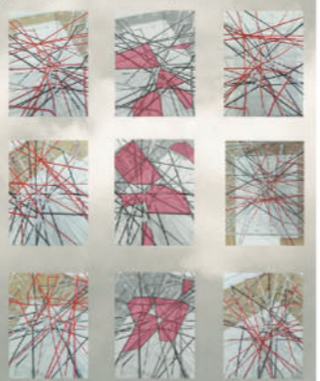
chris reeh & mason christensen

Fragmented data is a mixed use information literacy center composed of a library, office, retail, and residential program. It is informed by the collection of data from information sources located throughout Lincoln. At the building site, the contours from these information sources overlap and intertwine representing a method to become information literate, as the more sources of information a person is exposed to, the more likely they are to reach the accurate conclusion. The overlapping of the contours creates outlines of architectural form. These forms area a physical representation of the chaotic means by which we currently receive information, and the way in which we begin to interpret it. Architecturally, the forms are actualized as a steel diagrid shell to the building's program and then function as a shading device and a privacy barrier to the design's residential units



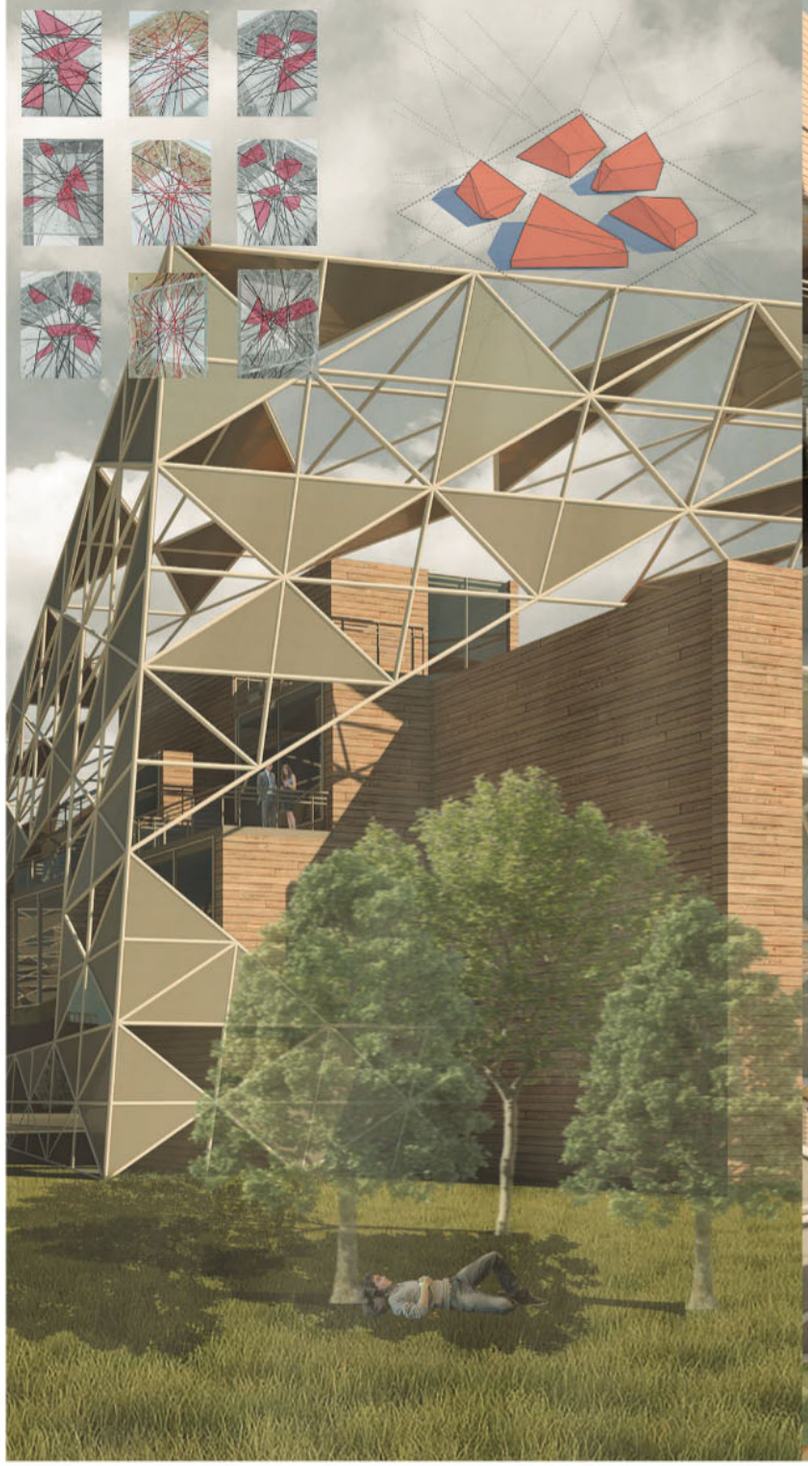


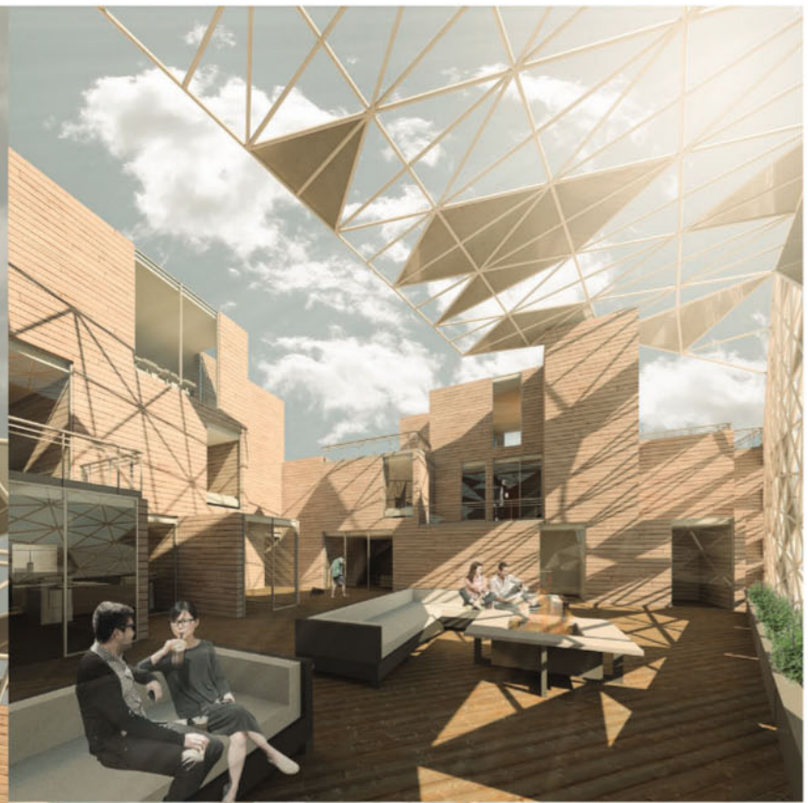




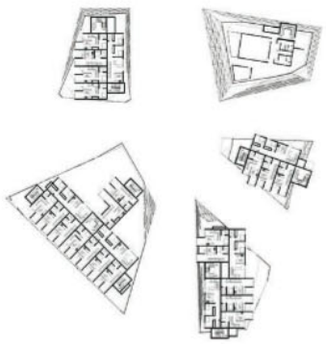
which are composed of minimal wood siding and floor to ceiling curtain walls. These residential units are open to the exterior and even break through the generated forms, creating unique transitions between double and single enclosure.

The ground plane of the design is also influenced by the contours, as portions of the site are cut creating a plaza centered between each of the site's buildings. Having this plaza creates a noteworthy experience as the user is able to step down from the heavily landscaped site boundary to an exposed center that allows for extensive views of each building's distinctive form.

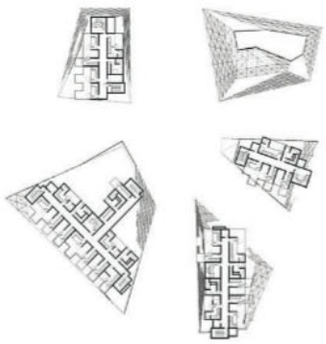




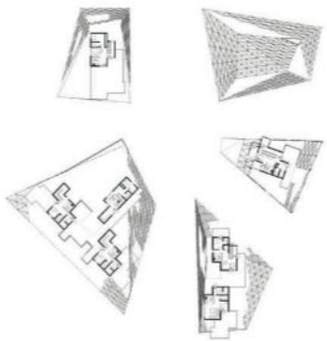
first floor plan



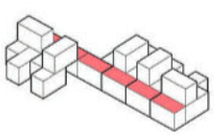
second floor plan



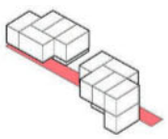
third floor plan



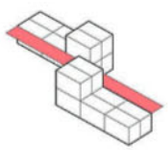
fourth floor plan



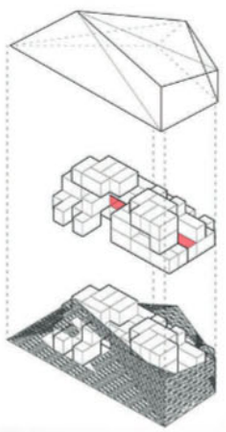
one bedroom apartments

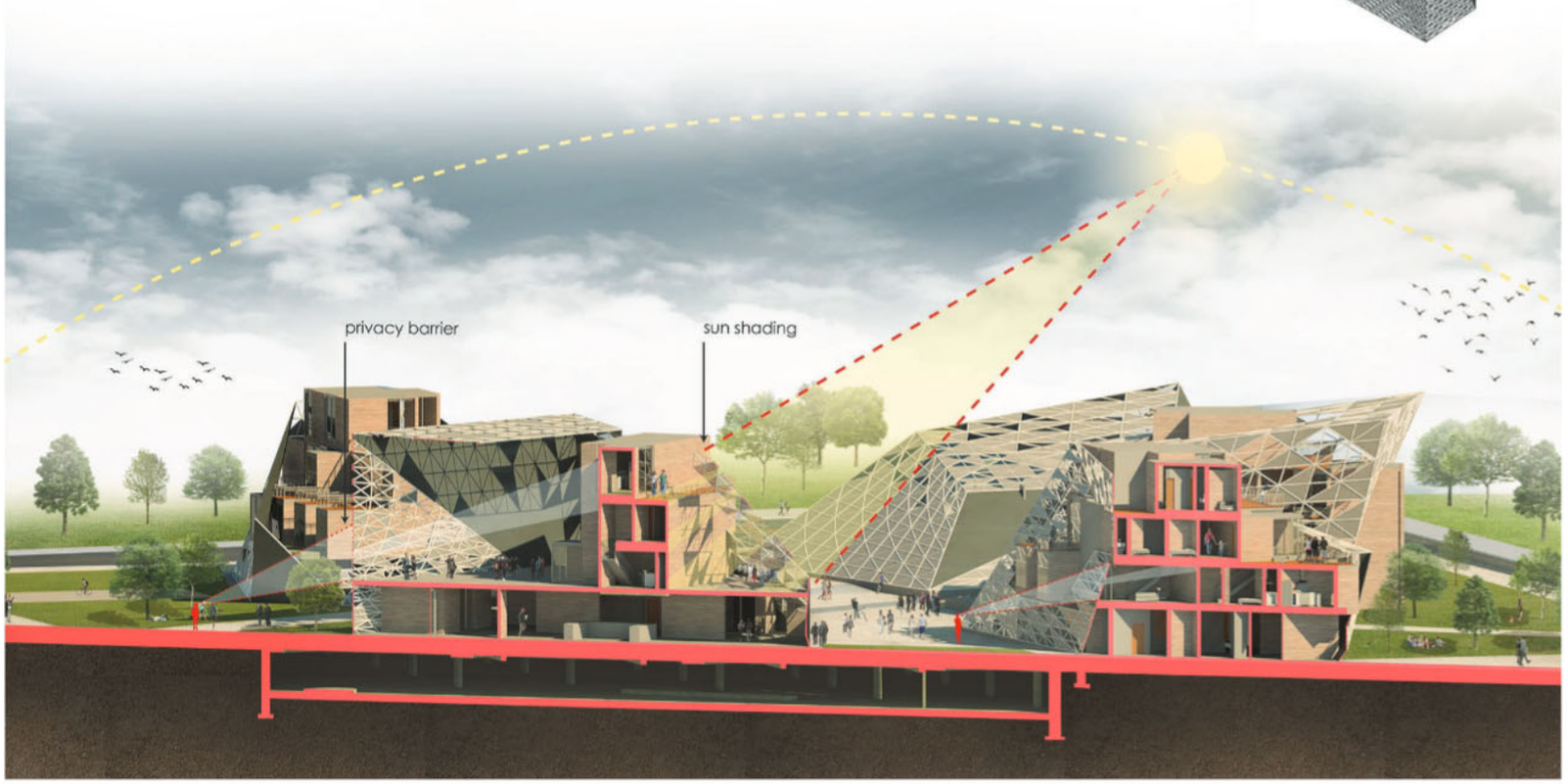


two bedroom apartments

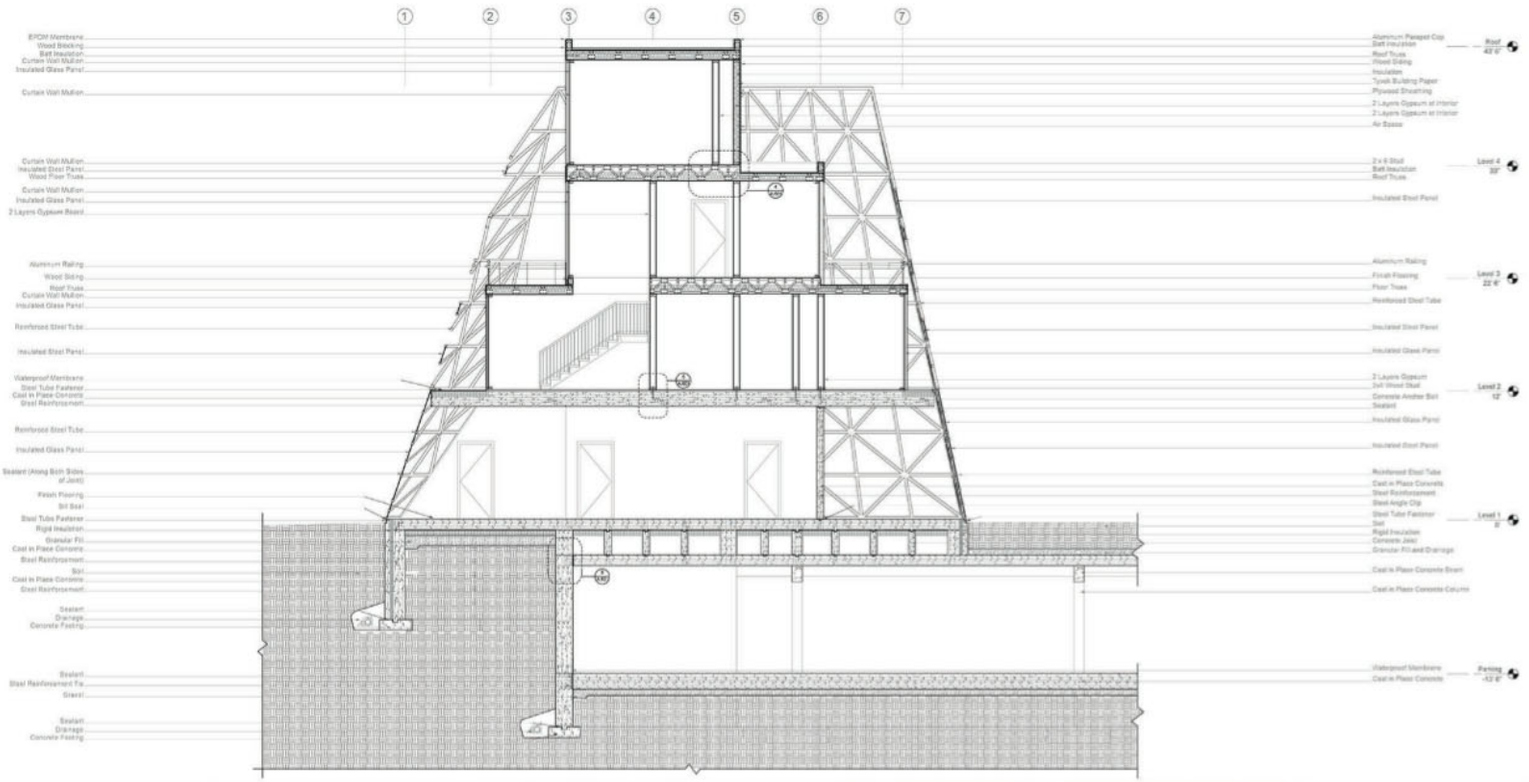


three bedroom apartments





Christensen + Reeh I Board 3



Christensen + Reeh | Board 4

Finalist

Library For the Arts

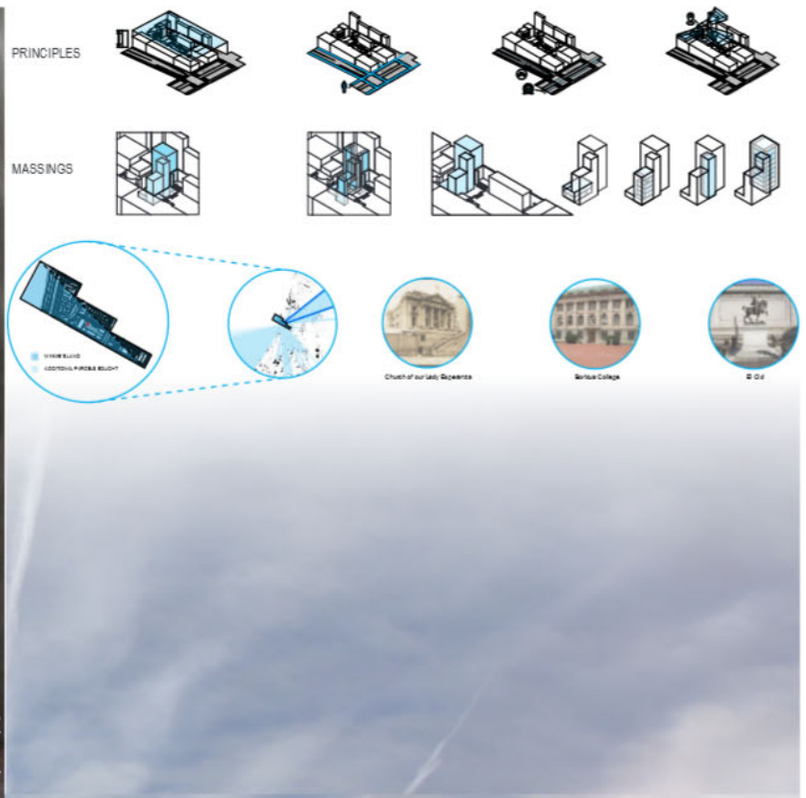
Felipe Lopez, Josh McCormack, Christian Pierrottet
Faculty mentor: Santiago Perez

In 1907 Archer Huntington purchased Audubon Terrace from John James Audubon's widow, Minnie. Huntington wanted to make the terrace an intellectual citadel atop of Manhattan's heights, with the hopes that other museums and learned societies would soon follow after. Archer Huntington and his wife Anna Huntington, the primary sculptor on the site, and Charles Pratt Huntington, the architect of the existing terrace, they would help bring the Spanish culture to Manhattan.

The design team provides an extension for the Boricua College of Arts by providing a painting and ceramic studio, and a gallery space. This connects back to Anna Huntington, Archer Huntington, and John James Audubon where this brings the intellectual activities of sculpting and painting respectively into one, within the library. In the site, there is an existing outcrop of bedrock covering the majority of the site. The team carved out the rock to create a transparent view from the street to the terrace. This brings the relationship of the opaqueness and transparency together where it is designed to frame views throughout the building. The design team sought the stair core as an opportunity to create a solid void relationship within the massing of the building. They utilized the design of the fins to create transparent connections based on specific programs and solar gain.

FELIPE LOPEZ
JOSH MCCORMACK
CHRISTIAN PIERROTTET

1



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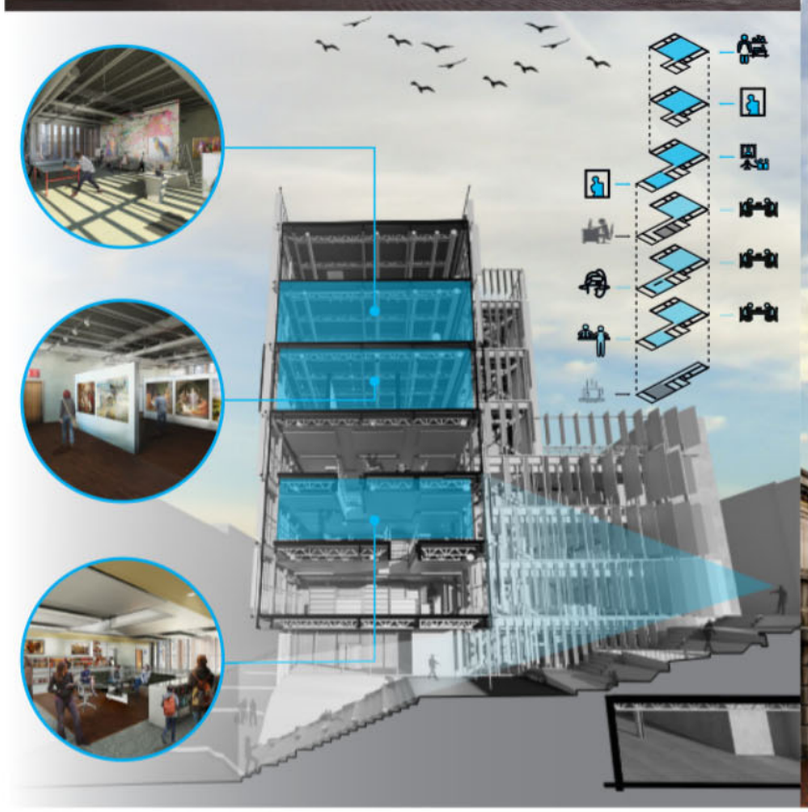
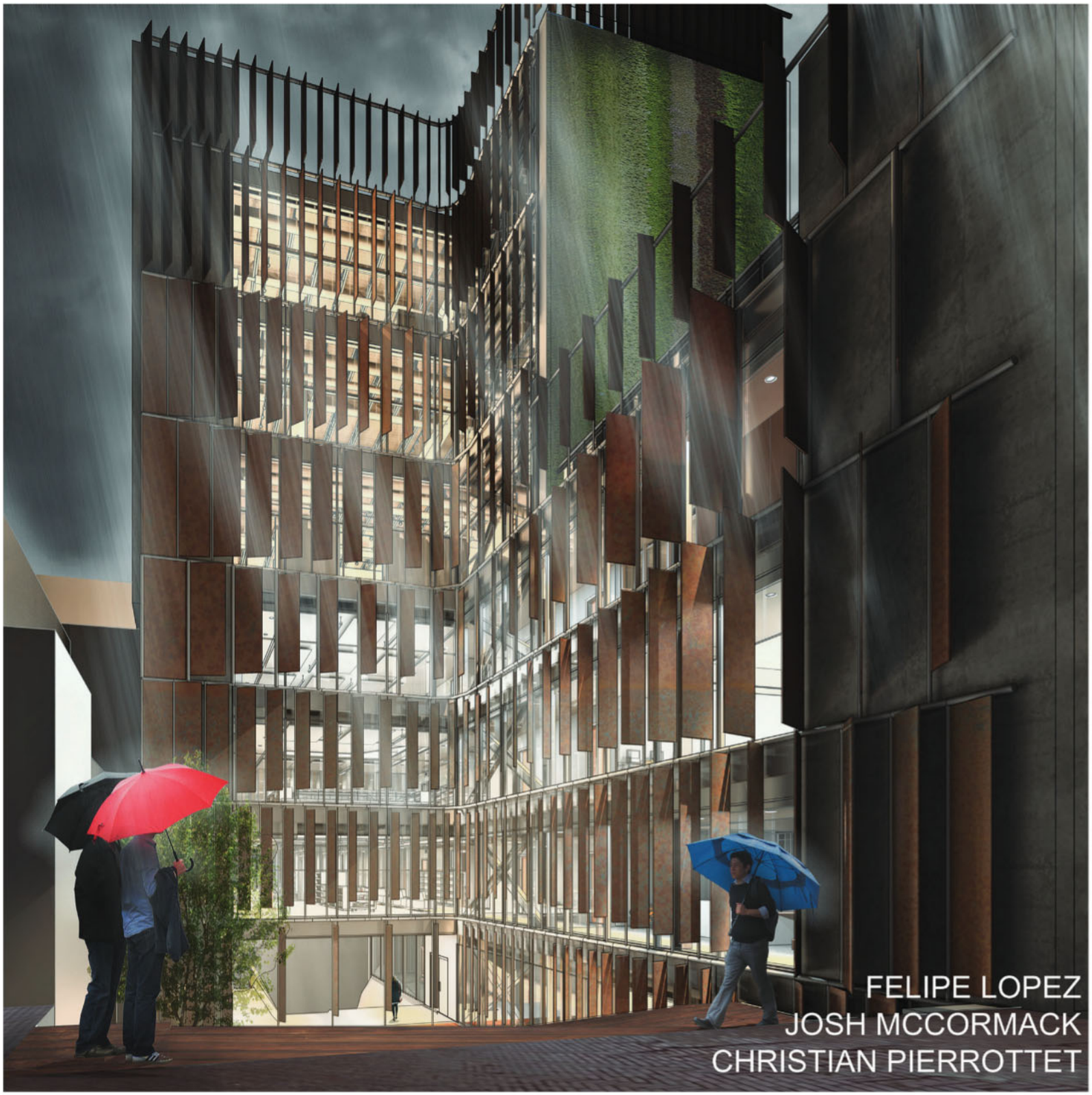


4

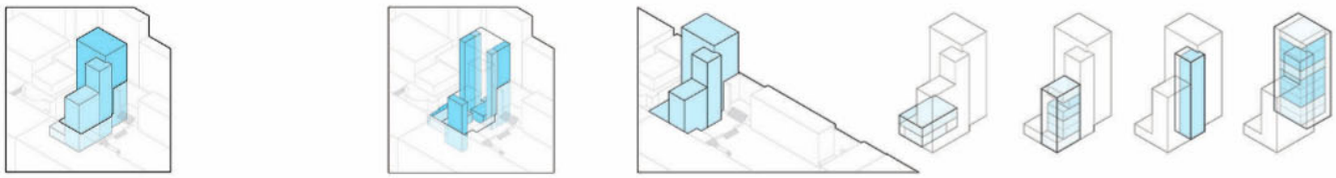
The team exhibited a strong interest in contextual and historic research when forming the sensitive massing within a strong urban context. The jurors were extremely impressed with the team's approach to massing.

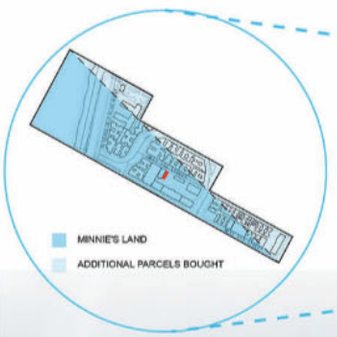


Lopez + Mccormack + Pierrottet I Board 1

PRINCIPLES

MASSINGS

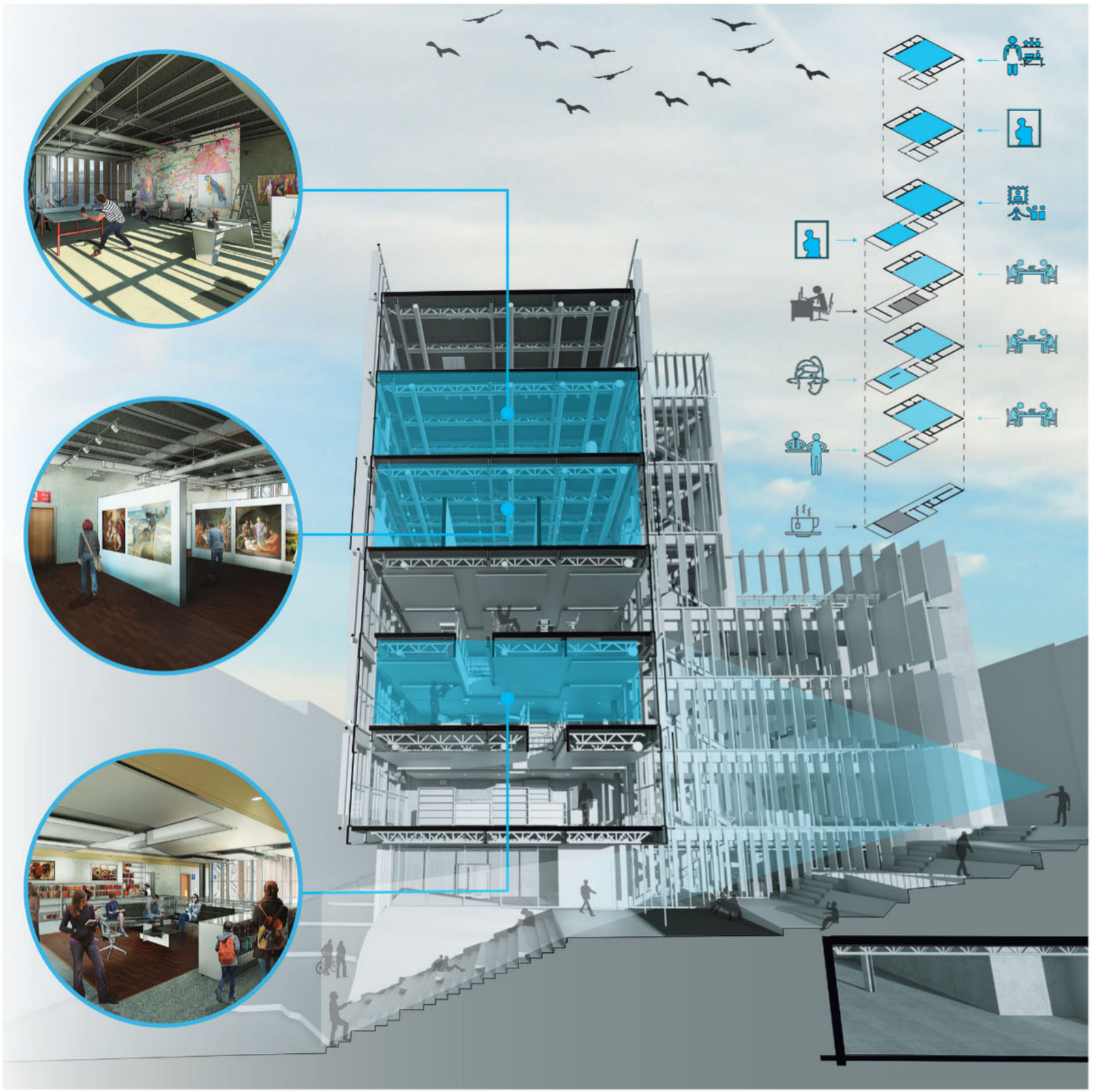




Church of our Lady Esperanza

Boricua College

El Cid



Lopez + Mccormack + Pierrottet I Board 3

Lopez + Mccormack + Pierrottet I Board 4

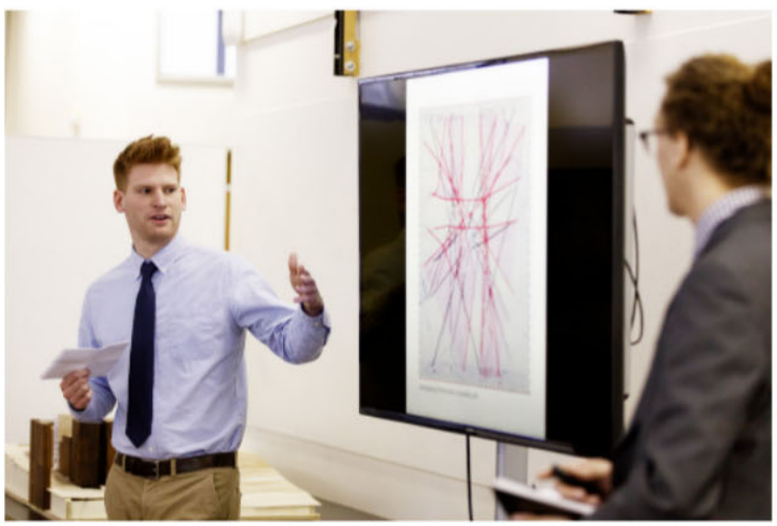
Troy Burkey *from SGH presenting material and spatial properties. (photo taken by faculty)*

DRI-DESIGN

Jason Zeeff *from Dri-Design presenting logics of systematic assembly. (photo taken by faculty)*


Assistive
Devic
For As


2017
SGH + Dri-Design
Student Competition



DESIGN STUDIOS

Mark Bacon
Adjunct Professor

* Benjamin Kunz + Mallory Lane

Omar Al Mulki
Holly Craig
Tyler Howell
Kylie Miller
Grant Moehlenhoff
Paris Mood
Juan Morales Jr.
Diane Nguyen
Joshua Petersen
Julia Tabaczyk
Danielle Valle-Steele
Yilang Zhou

Matt Knutson
Lecturer

* Mason Christensen + Chris Reeh

Nathan Adams
Jonathan Amari
Taylor Bissert
Alaina Boudreau
Andrew Chase
Justin DeFields
Eric Engler
Anabella Gilbert
Madeline Lambert
Christian Lopp

Santiago Perez
Lecturer

* Felipe Lopez + Josh McCormack + Christian Pierrottet

Mohamed Bushara
Noel Castro Corona
Amina Cheikh
Mariah Tobin
Jacob Trail
Wanying Wu

**** Studio Finalist***

2017
SGH / Dri-Design
Scholarship

Fall 2017
Arch 411 Architectural Design Studio: Integrate
University of Nebraska-Lincoln
College of Architecture