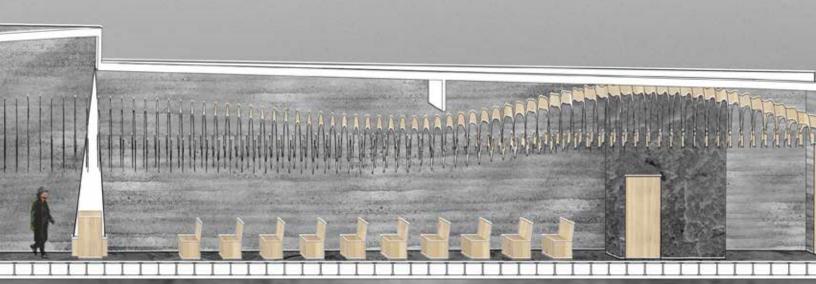
2020 **SGH Concepts / Dri-Design** Scholarship











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2020 SGH Concepts / Dri-Design Scholarship

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

University of Nebraska-Lincoln

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

architecture.unl.edu

Spring 2020

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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4 Sponsors

6 Jury:

Lisa Gray, Matthew Lella, and Jeana Ripple

18 Award of Excellence:

Leia Farrens and Dakota Mohlman

26 Award of Honor:

Matthew Gager, Sawyer Kuhl and Quinlan McFadden

34 Award of Merit:

Lauren Praeuner and Jamie Schacher

The College of Architecture at the University of Nebraska-Lincoln, in partnership with SGH Concepts (A Division of SGH Redglaze Holdings 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 Concepts (A Division of SGH Redglaze Holdings 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 Concepts (A Division of SGH Concepts Redglaze Holdings Inc.), a leading distributor and installer of customized building products, and Dri-Design, a producer of advanced and sophisticated metal wall panel systems.

Spring 2020 - Architecture Design Studio Faculty

Craig Babe, AIA, NCARB, Associate Professor of Practice - Architecture, University of Nebraska

Mark Bacon, AIA, Principal, BVH Architecture. Lecturer - Architecture.

David Newton, Assistant Professor - Architecture, University of Nebraska



SGH CONCEPTS

At the center of our craft is our passion for premium, innovative design. With over 70 years experience in designing and engineering building product solutions for some of the most challenging architectural feats in the market, our focus each day is to find the best way to give form to our clients' vision.

Our team approaches every project with a reverence for making innovative design possible. We are passionate about solving challenges that—in the end—make buildings more beautiful. At SGH Concepts, it is our mission to provide smarter solutions to design opportunities and challenges, from concept to completion. So, whether you are an architect, a general contractor, or an owner, we provide a level of professionalism you demand and a sense of individuality you expect.

We would like to thank Troy Burkey of SGH Concepts for helping establish this program and his continued support of the college and students.



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.



LISA GRAYGray Organschi Architecture

Lisa Gray is the founding partner and principal at Gray Organschi Architecture in New Haven, Connecticut, a firm recognized internationally for its innovative conception and careful crafting of architectural projects. The firm has been recognized by the Architectural League of New York, American Academy of Arts and Letters, New York City Public Design Commission Award and Women-Designed NYC program



MATTHEW LELLA
Diamond Schmitt Architects

Matthew Lella has specialized in design for the performing arts and teaching. He is currently working on Lincoln Center's David Geffen Hall and Buddy Holly Hall in Lubbock, Texas. He has a Masterís in Mathematics and studied architecture at McGill University. Matthew was Sheff professor there in 2013.



JEANA WEBMIR Collective, University of Virginia

Jenna Ripple is an architect, founding principal of MIR Collective, Director of the Master of Architecture Program and Associate Professor at the University of Virginia, and a founding editor of TAD, Journal of Technology | Architecture + Design. Her research focuses on the impact of building codes on socio-economic vulnerabilities, innovative approaches to simulation-based design processes, and the invention of site-specific material systems. Rippleís work is recognized both nationally and internationally and draws on significant experience in practice and a previous career as a computer science engineer.

































Excellence

Fluid Knowledge

Leia Farrens and Dakota Mohlman Faculty Mentor: Mark Bacon

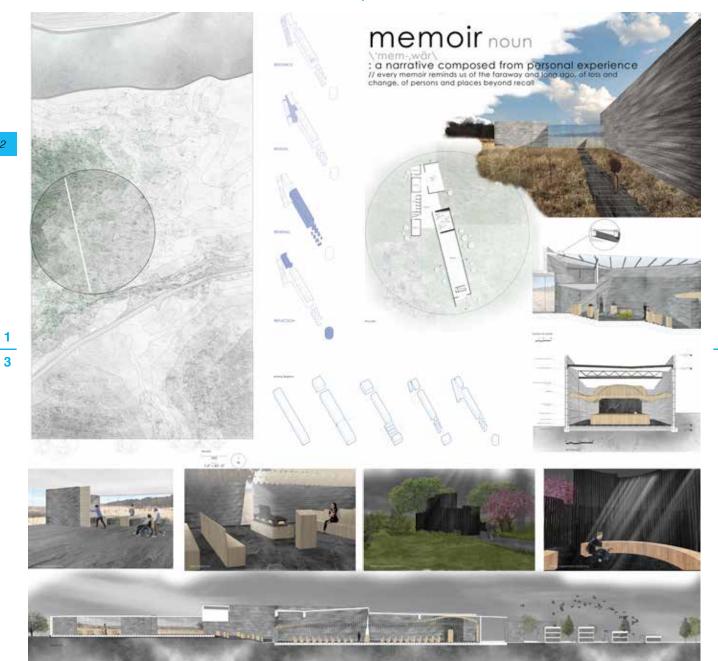
A memoir is a narrative composed from personal experience. It is our memories that make us, that challenge us, that teach us. They are engraved in our minds and have the power to influence our future. With such powerful qualities, the memoir can determine how a person continues to live on through others after they have passed. We often rely on memories, especially in times of grief. Utilizing empathy, how might we resurrect a memoir to begin to have a positive impact, when in reality losing a loved one often is such an intense, seemingly negative experience?

memoir nour

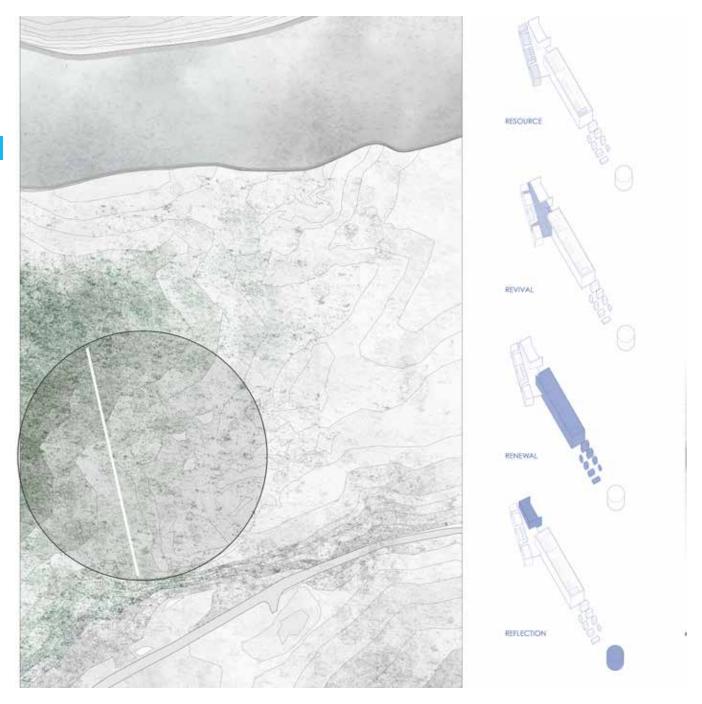
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: a narrative composed from // every memoir reminds us of the faraway of change, of persons and places beyond reco





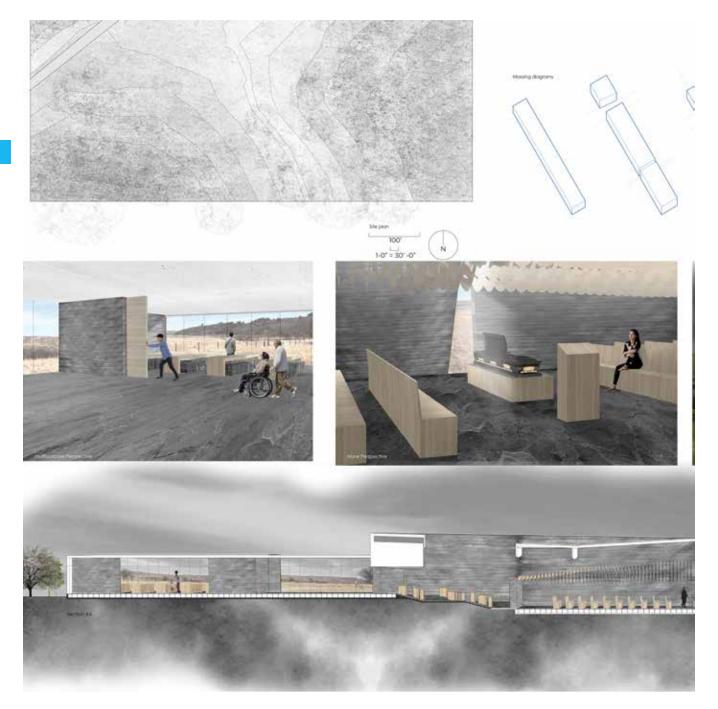


Jury comments: This project showed cohesion between the tectonic development and overall design concept. It also demonstrated sensitivity to the site and to the human experience of architecture. The jury applauds the scheme's abstract beauty, and the thoughtful choreography of spatial sequences supported by appropriate material choices.



Farrens + Mohlman I Board 1





Farrens + Mohlman I Board 3



Farrens + Mohlman I Board 4

Honor

Ascent

Matthew Gager, Sawyer Kuhl and Quinlan McFadden Faculty Mentor: David Newton

Located on the Nebraska Innovation Campus, our proposed Center for Emerging Fabrication Technologies, Ascent, explores cultivating cyclical forms of collaboration and innovation between research, academia, and the public. The intermixing of private sector research, academic and public spaces in unconventional ways provides the groundwork for occupants to experience unique cycles. Flexible spaces and outdoor terraces within these established paths create constantly changing environments, altering existing cycles and allowing new interactions to occur throughout different times of the day, week, month and year. Extending the form of the upper level out to engage with the heart of the campus, invites curious spectators to contribute to the cycles, while observing the types of research being conducted. A bioinspired kinetic facade that controls daylighting, designed through parametric modeling, creates wavelike movements which wash across portions of the building, capturing the attention of the researchers, students, and the public while shepherding them towards the entrance.





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ASCENT

CENTER FOR EMERGING **FABRICATION TECHNOLOGIES**

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Jury comments: The jury was impressed by the rigorous technical development of the scheme and consideration of material life cycle and building performance. We noted the team's ability to handle a large and complex program and document it clearly. The project had one strong cohesive vision skillfully coordinated by three designers.

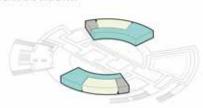


Gager + Kuhl + McFadden l Board 1

ASCENT

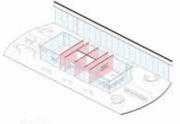
CENTER FOR EMERGING FABRICATION TECHNOLOGIES

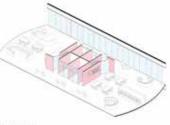
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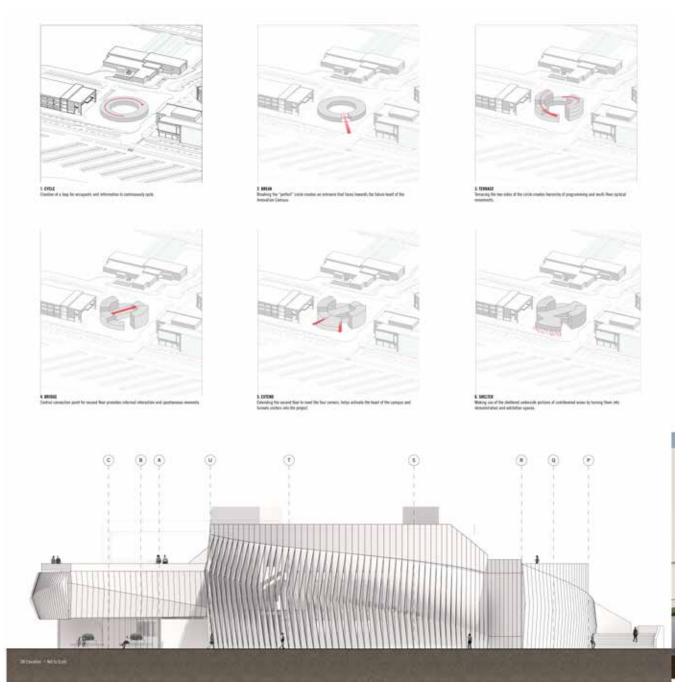


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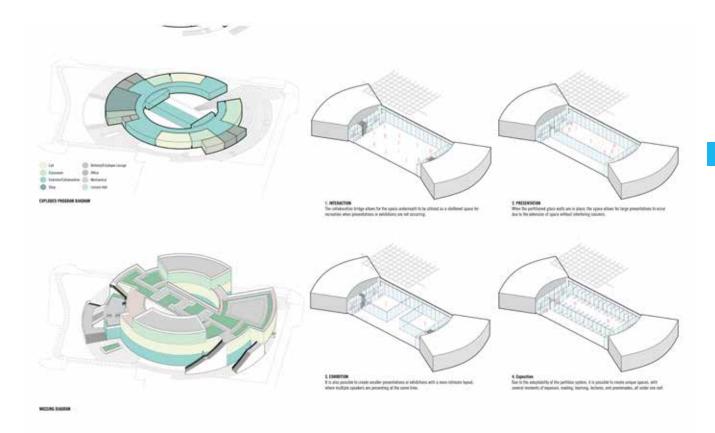
2 CELLISORATION

Due to the adoptability of the portions system, it is precisive to create unique appear, with





Gager + Kuhl + McFadden I Board 3





Gager + Kuhl + McFadden I Board 4

Merit

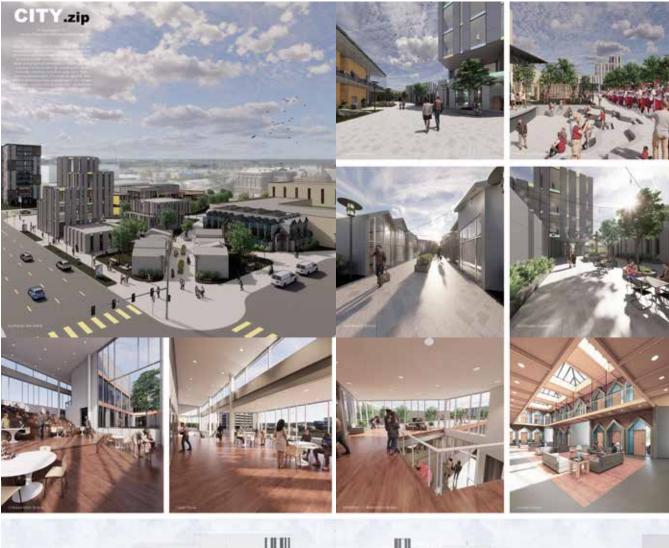
City.zip | A Packaged City

Lauren Praeuner and Jamie Schacher Faculty Mentor: Craig Babe

Within the crossroads of a bustling, monotone downtown and a public college campus, lies an empty slice of pavement that many come in contact with daily. This lifeless site sits on the corner of 10th and Q street and is currently the host to a faculty parking lot and a private building. The University of Nebraska has recognized this site as a prominent space for redevelopment in their masterplan. Within this slice, our proposal attempts to challenge the concept of an entire city composition that normally prioritizes function over form. With the implementation of 5 main programs, the site is transformed into a packaged city where recreation, performance, institution, downtown, and suburbia can coexist as separate yet cohesive districts all within 90,000 square feet. This city offers a place for both the university students and the public to interact through a diverse series of interior and exterior programs. The building forms take priority and offer a playful arrangement for the city plan. The buildings' materiality of concrete and metal panels offer a blank canvas that is enhanced by pops of color to spark interest and pull spectators in. Let's explore.









Jury comments: The team showed enthusiasm for a multivalent formal expression and programmatic invention. The project embraced the worthy goal of bridging architecture and planning and the team clearly presented their site analysis. The jury appreciated the designers' interest to provide and visualize a wide range of social experiences.



Praeuner + Schacher I Board 1









Praeuner + Schacher I Board 2







Praeuner + Schacher I Board 3







Praeuner + Schacher I Board 4









DESIGN STUDIOS

Craig Babe, Associate Professor of Practice

* Lauren Praeuner and Jamie Schacher | Merit

Samah Alsarhani Napatporn Khobjai Christopher Bean Reece Kremers Steven Carr Nathanial Meier Weston Hanisch Joshua Weinand

Mark Bacon, Lecturer

* Leia Farrens and Dakota Mohlman | Excellence

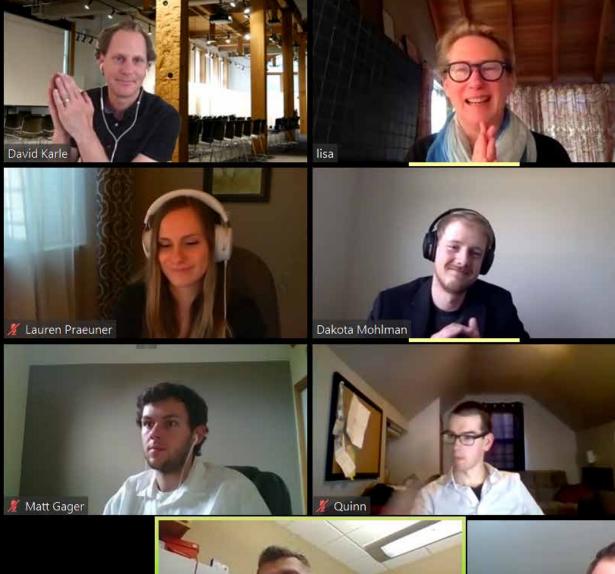
Eric Adame Ali Jabbar
Amin Alkhalifa Trevor Meusch
Angel Coleman Madeleine Pollara
Dante Dovali Alicia Ringer
Eann Ellingson Benjamin Stirtz

David Newton, Assistant Professor

* Matthew Gager, Sawyer Kuhl, and Quinlan McFadden | Honor

Logan AltrichterMargaret GiesJenna BuckleyZachary JohnsonMitchell ConklinAmy KoenigMitchell CoziahrMiranda Plummer

* Studio Finalist























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