# Architecture at Chicago

# Featured Graduate Student Work 2019-20



# The "F" Word(s): Architectural Form + Format

## First-year graduate fall studio

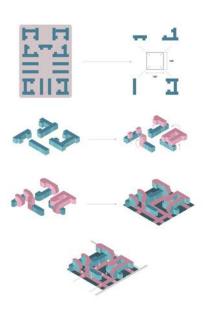
Faculty: Kelly Bair

This studio focused on forms of architecture and their production through the lenses of geometry (lines) and image (pixels). Historically, architecture as both a disciplinary and professional pursuit has been heavily invested in the spatial and descriptive principles of geometry. In "The Projective Cast," Robin Evans ties the advancement of the discipline directly to representational techniques of the time. Today, architecture finds itself buried within a grab bag of techniques, as it has moved beyond the novelty of the digital into the postdigital. This means that perhaps the geometry has given way to image, the practices of orthography to those of pixel processing.

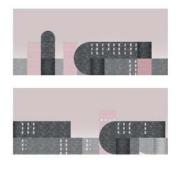
This studio situated itself at the intersection of the two. To coax out the aesthetic of this coexistence, students worked through design problems rooted in both projective geometry (drawing) and advanced computation (imaging). Fumihiko Maki's *Investigations in Collective Form* served as a loose guide in the design of an addition to the National Public Housing Museum in Chicago.

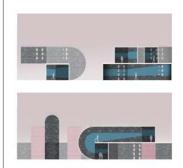


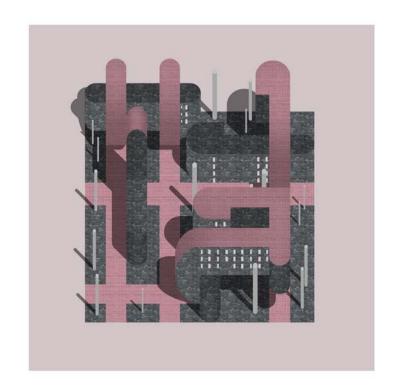




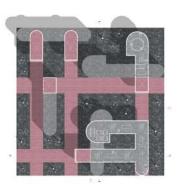










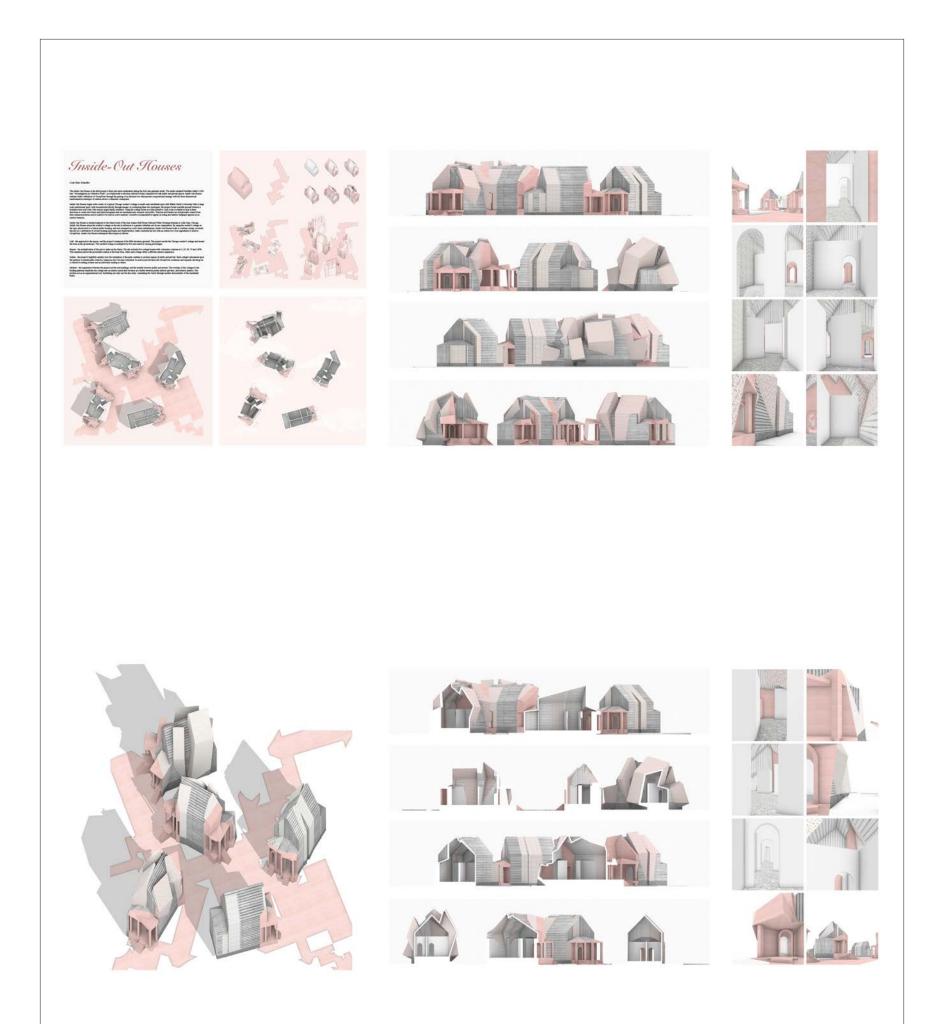


Mallory Rabeneck "Group Form"

### The "F" Word(s): Architectural Form + Format

# First-year graduate fall studio

Faculty: Kelly Bair



Cody Schueller "Inside-Out Houses"

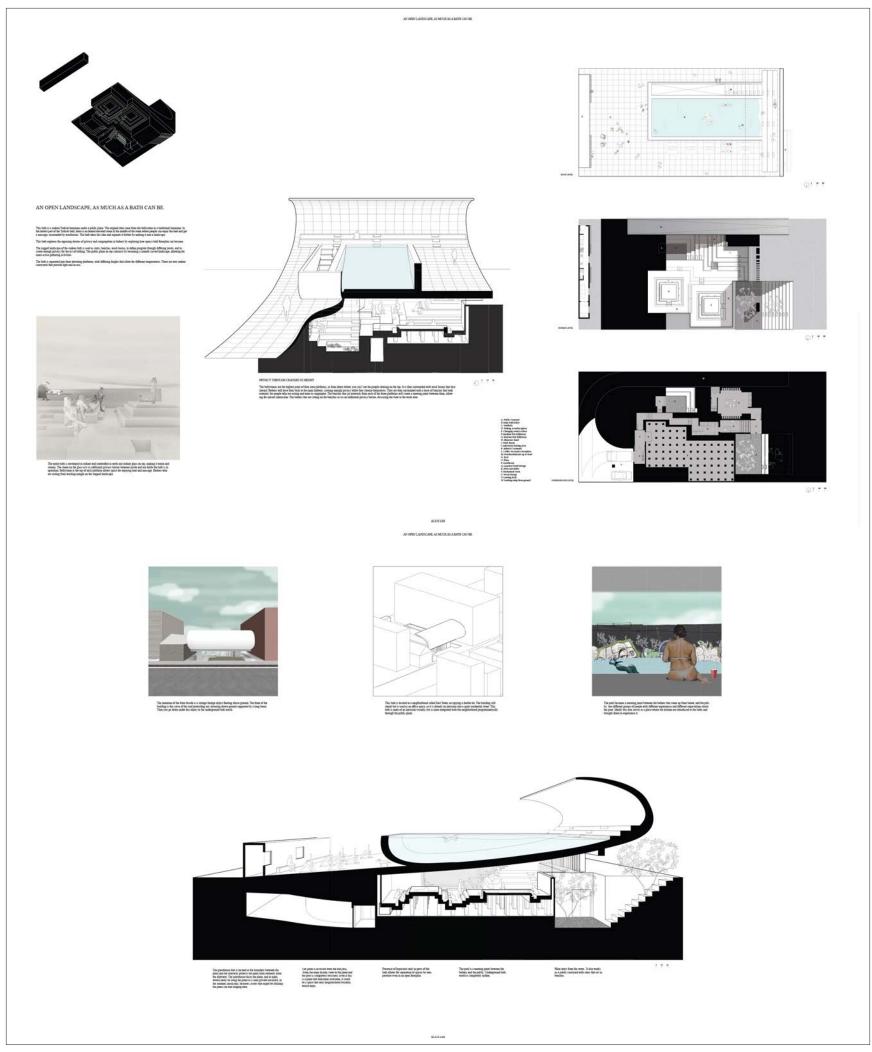
### The Baths

# First-year graduate spring studio

Faculty: Francesco Marullo

The baths are places where people get together to cleanse, relax, and take care of themselves. Life gets easier once liberated of clothes, identities, and legal statues, leaving nothing more than bodies in space, soaked in water or wandering through heat, cold, steam, and light. The baths' inherent architectural beauty converges in the void they contain: a climatically controlled concave space to be accessed, occupied, and experienced collectively, which has stimulated the imagination of architects for centuries.

The studio explored the spatial and programmatic complexity of the baths through the construction of the void. To design a hollow space is to reverse the traditional design process, thinking emptiness as a solid mass and the building as a formwork that contains it. Locally, the studio looked to the Chicago Bathhouses, simple facilities built between 1894 and 1918, as material for rediscovery and reinvention as active public institutions.

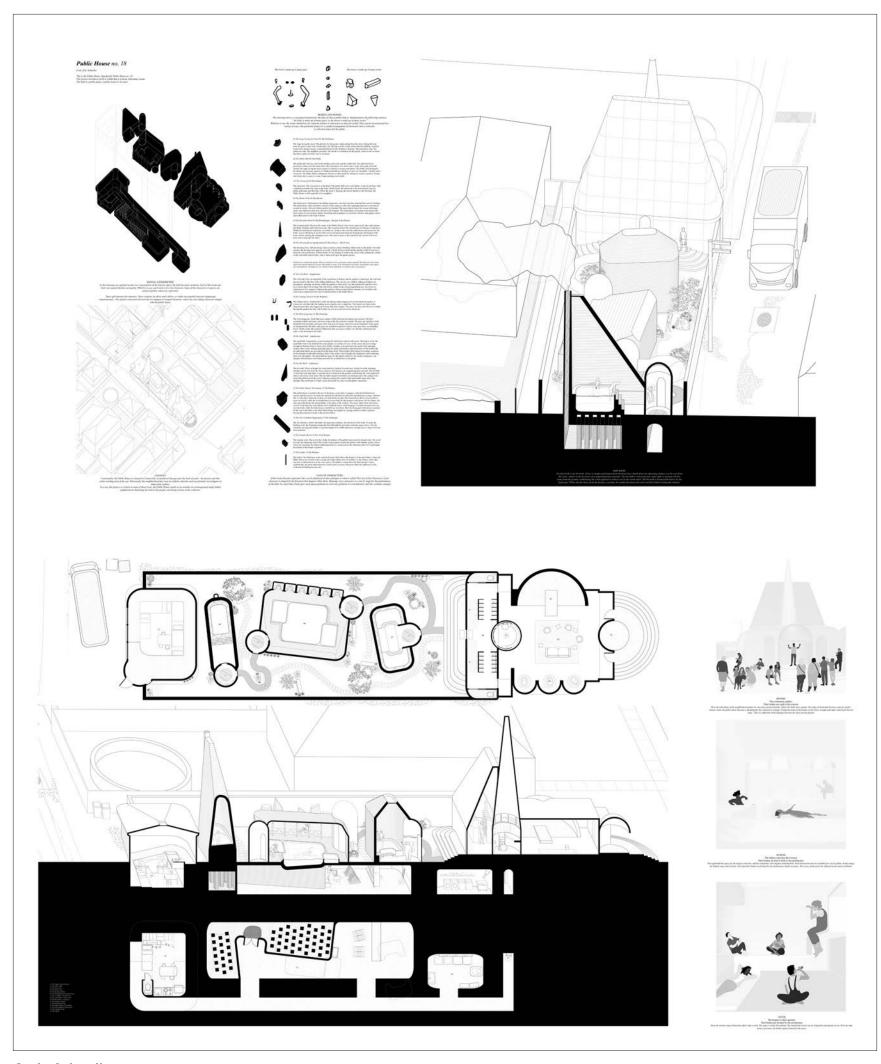


Alice Lee "An Open Landscape, as Much as a Bath Can Be"

### The Baths

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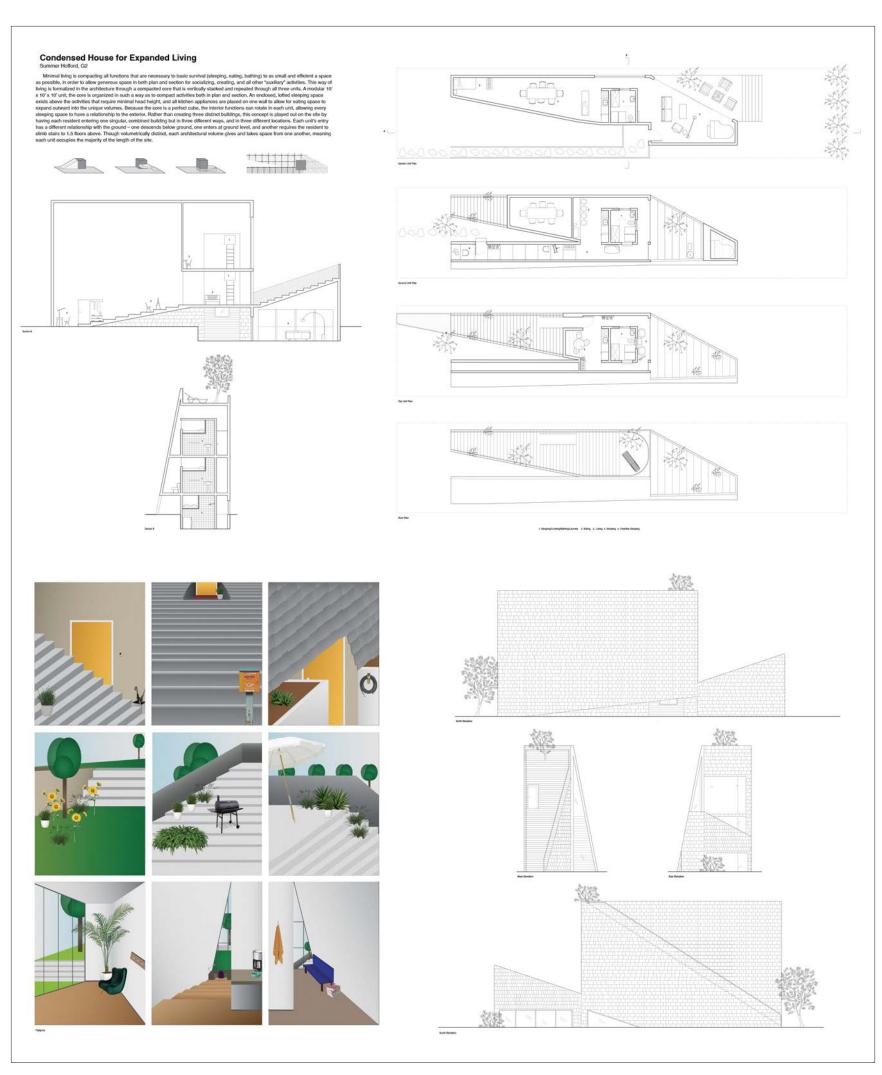
Cody Schueller "Public House no. 18"

### Three Houses in One

# Second-year graduate fall studio

Faculty: Penelope Dean, Grant Gibson

In this comprehensive housing studio, we reframed the concept of minimalism as a question of liveability: that is, a *livable minimum* over existenzminimum. We asked how a tiny home (less than 1,000 square feet) might offer dignified and comfortable modes of inhabitation in excess of providing for mere "existence." Putting the rituals and possessions of inhabitants at the center, we explored minimum in all its multitudes—minimum possessions, minimum space, minimum materials, minimum structures, minimum gardens—an excess minimum. We analyzed twenty-two contemporary Japanese precedents, each selected for their tinyness and compactness, with the understanding that minimalism is generalizable. We collectively reimagined Chicago's "three-flat" typology as "Three Houses in One" on vacant, city-owned Chicago lots.



Summer Hofford "Condensed House for Expanded Living"

### Three Houses in One

# Second-year graduate fall studio

Faculty: Penelope Dean, Grant Gibson



Shamsedin Mokhber "3 + 1 Houses in One"

### The Market

# Second-year graduate fall studio

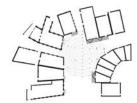
Faculty: Paul Preissner

In thirteenth-century Bruges, a gathering of commodity traders supposedly took place in the house of a man called Van der Beurze. In 1409, the meeting was formalized as the "Brugse Beurse"; in 1531, this market relocated to the Bourse of Antwerp, the first public building used exclusively for financial and commodity trading. As markets metaphorically run the world, architecture provides material reality to the fluctuations of commercial speculation.

This studio focused on the origin and organization of the market (in the physical sense), but the real project it investigated was two genealogies that form the critical basis of architectural dialogue: Abstraction and Thingness. Abstraction refers to all aspects of the architectural project that exist within opinion, while Thingness is the reality that enables the architectural meaning. These terms were investigated in their ability to organize the ephemeral and concrete, and created a product of marginal structural framing and volatile programmatic habits.

### Structured Chaos: A Permanent Maxwell Street Market with Temporary Construction Methods Jeffri Jacobe





Huis Ter Breuze - First Stock Market in 1453

Permanent Nation Buildings Surround Marke

Maxwell Street Market is deeply engrained in Chicago's culture yet today it is only a weekly meeting during the warmer seasons. What was once a permanent cultural hub for diverse goods is now a temporary event in a parking lot. When looking to house Maxwell Street Market, one mustn't change its chaotic nature where one can buy batteries next to a pair of socks while eating a Polish sausage. While the market will always be there, its vendors are forever changing. Materially speaking, if tilt-up concrete is Chicago - strong, monolithic, and permanent - then steel bracing is its people - temporary, in-and-out, yet crucial. What if material properties and its method of construction and all it entails is left intact as a new means to organize a disorderly event? The steel bracings suggest vendor lots yet keep the spontaneous market life alive. Softwood bracing in a residential unit implies domestic living barriers. And heavy timber framing arranges the market goods in a clean storage environment. Three distinct materials come together to create one market, a diverse structure like that of Maxwell Street Market.







Softwood Lumber Bracing Heavy Timber Framing

Tilt-Up Concrete Bracing

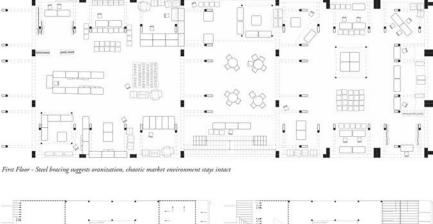


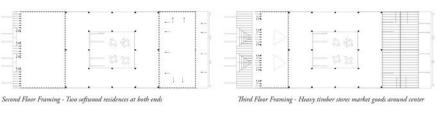












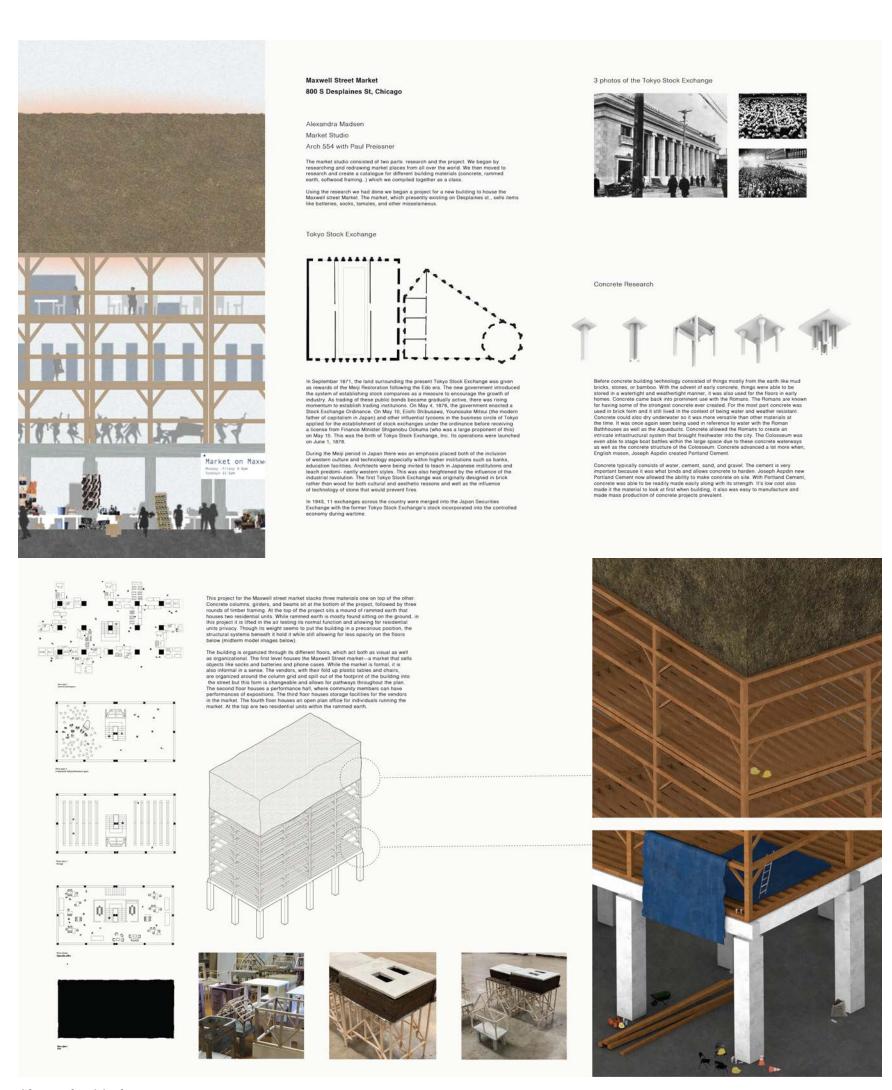


Jeffri Jacobe
"Structured Chaos"

### The Market

# Second-year graduate fall studio

Faculty: Paul Preissner



Alexandra Madsen "Maxwell Street Market"

### The Federal Center

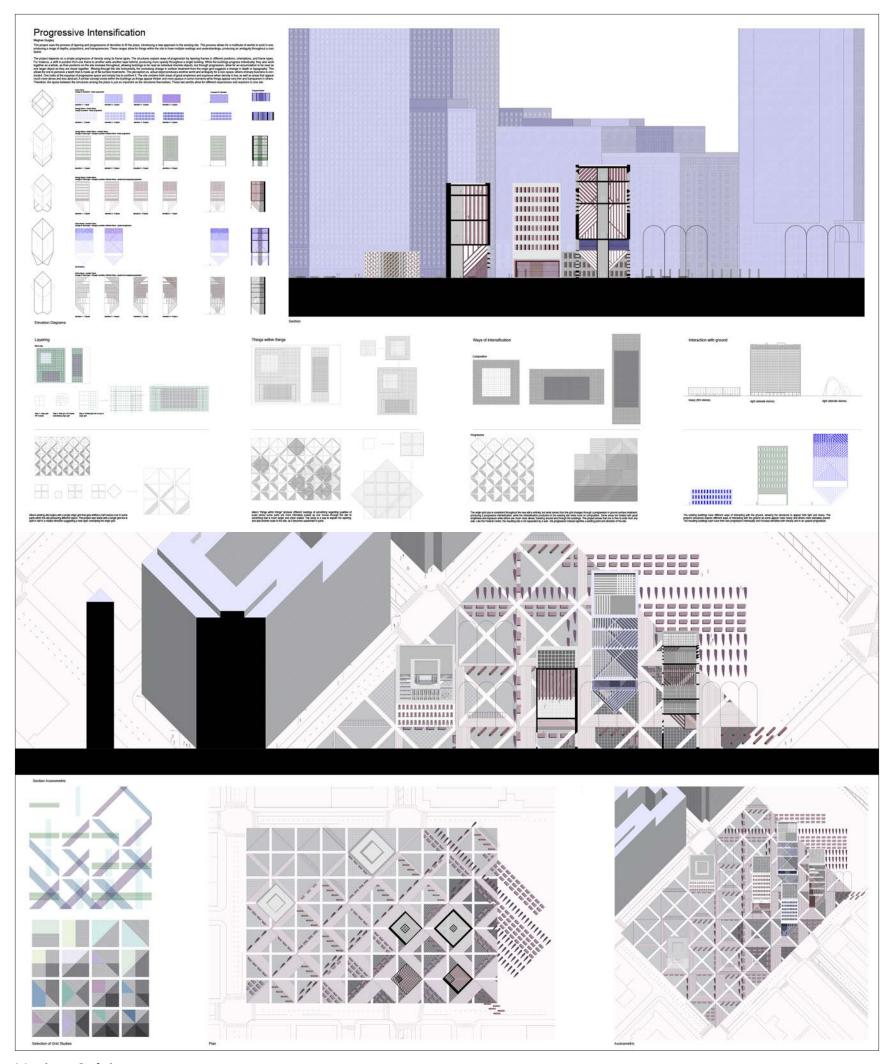
# Third-year graduate fall topic studio

Faculty: Paul Andersen, Sam Jacob

Chicago's Federal Center is one of Mies's least acclaimed buildings. He had little input into the design and left all but the highest level decisions to Gene Summers. Two of its buildings were built five years after Mies died. But it has some qualities that stand out. It is a microcosm of earlier project types, combining two towers, a long-span building, and a plaza—a self-contained summary of Mies's oeuvre tied together by a clear and extensive use of the grid.

While the grid unifies the project internally, it also suggests connections beyond. Horizontally, the grid structures landscapes from city to farm. Vertically, the Chicago frame links the Federal Center not only with its immediate neighbors, but with framed buildings of different types throughout the Midwest.

The studio used new sources and combinations of grids, landscapes, and frames to propose alternative designs for the Federal Center.



Meghan Quigley "Progressive Intensification"

### The Federal Center

# Third-year graduate fall topic studio

Faculty: Paul Andersen, Sam Jacob



Luna Vital Gallego "Microcosmic Playscapes"

### what if...? then...

# Third-year graduate spring research studio

Faculty: Sarah Dunn

In an effort to engage the city productively, this seminar and studio sequence explored the formal and programmatic possibilities of invented large-scale metropolitan architecture. In a back-and-forth process with key historic projects, we developed a series of design-based scenarios that leverage specific qualities of the city, and mined them for their formal possibilities. Formal and spatial invention was our goal.

With the addition of program, we imagined new forms of collective associations as promised by modernism—but where modernism proposed rationality and singularities to deal with the problems and potentials of the city, we played with irrationality and multiplicities. We began from the hypothesis that globalization reinforces differences in patterns of localized urban behavior, formal uniqueness, and infrastructural specificity.

With the addition of infrastructure, we posited that architecture can be both/and—about both growth and the environment, through the manipulation of form and the tactical deployment of social and ecological systems.



Jacob Patnode "The Big, Easy Greenway"

### what if...? then...

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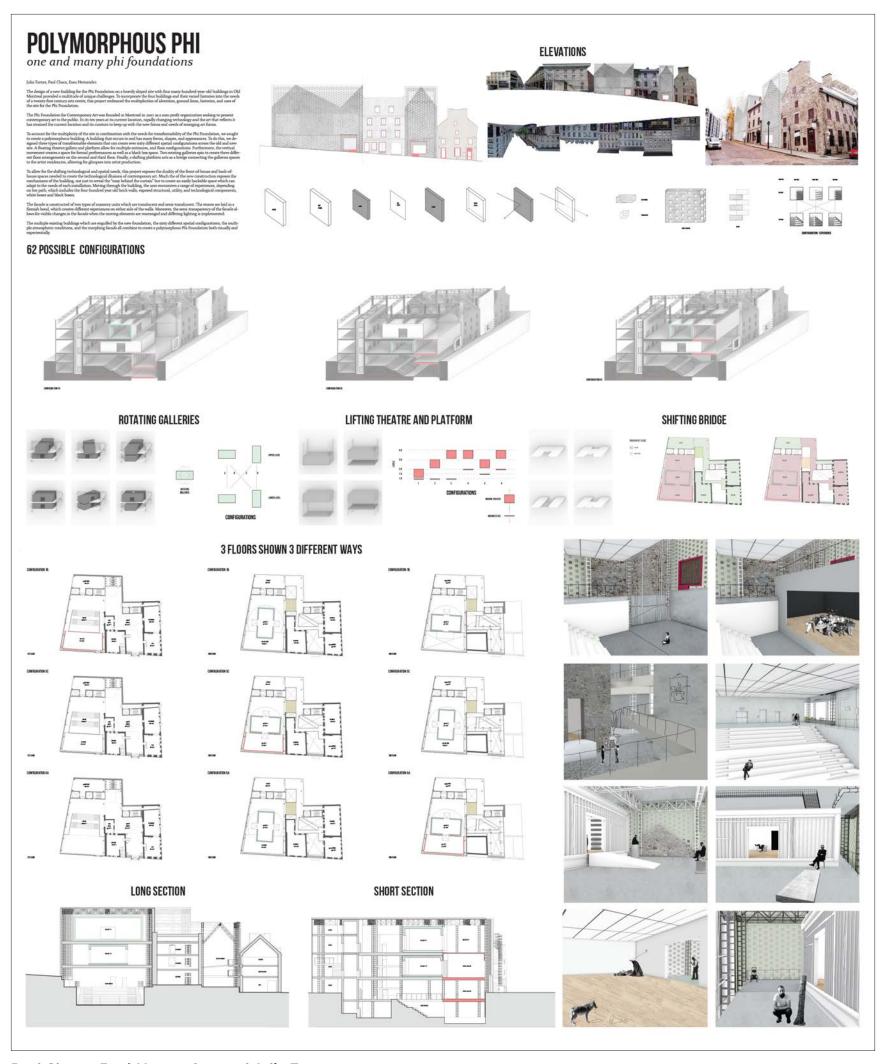
Meghan Quigley "New Coasts"

### **Phi Bonsecours**

# Third-year graduate spring research studio

Faculty: Andrew Zago

This studio presented an opportunity to work with Phi, a major emerging arts organization in Montreal, in their development of a new arts center. In order to expand their operations and public presence, Phi has acquired a significant group of buildings and open space in the center of Old Montreal, which—with buildings dating to the seventeenth century—is one of the oldest urban areas in North America. In the near future, they will be undertaking a significant architectural intervention on this site. In preparation for that, and by way of expanding their range of imagined possibilities, Phi invited several architecture schools in Canada and internationally to conduct design studios on this topic. This was one of the studios.

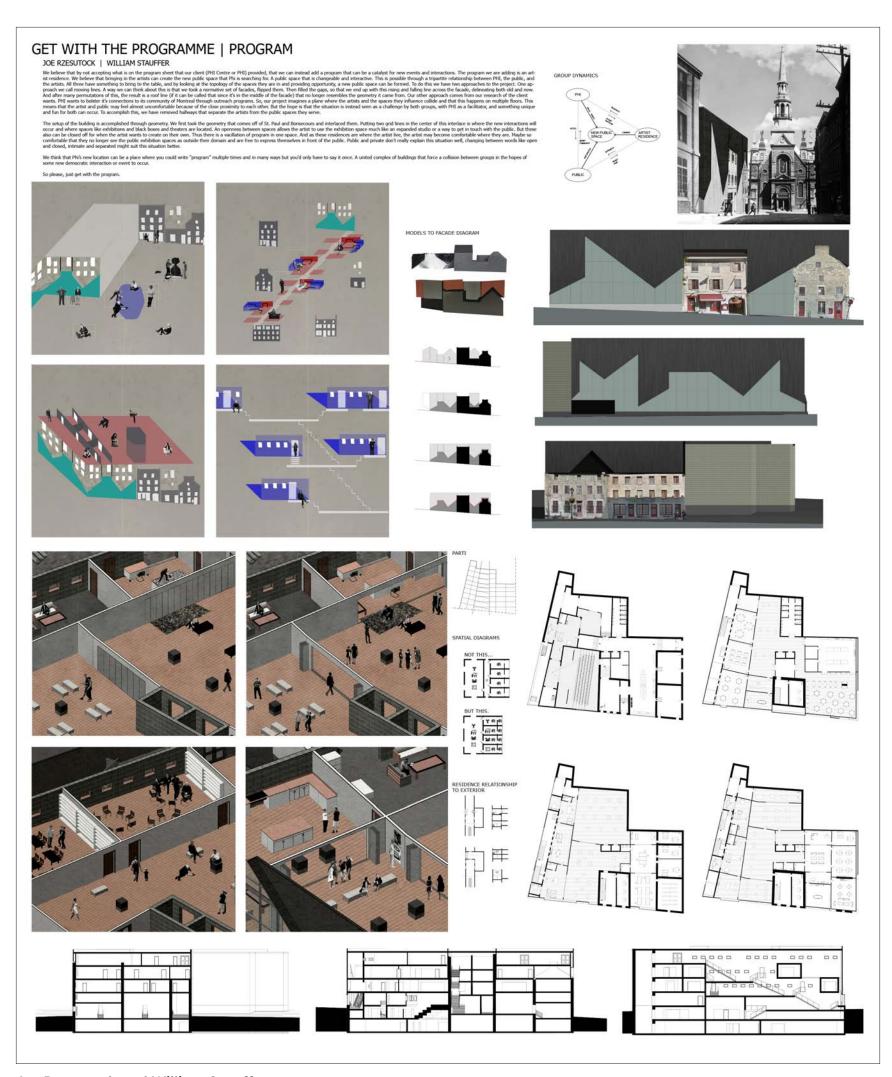


Paul Chaca, Esaú Hernandez, and Julia Turner "Polymorphous Phi"

### **Phi Bonsecours**

# Third-year graduate spring research studio

Faculty: Andrew Zago



Joe Rzesutock and William Stauffer "Get with the Programme | Program"