IAN BARTHOLOMEW

selected works

RÉSUMÉ

ian@idbart.com
(513) 642-1873
idbart.com

EDUCATION

University of Cincinnati | Cincinnati, Ohio
College of Design, Architecture, Art, and Planning

Bachelor of Science in Architecture | Class of 2024
Dean's List Spring 2020 - Spring 2024
Cincinnatus Scholar, University Honors Program

PROFICIENCIES

- Revit
- AutoCAD
- Rhino
- Adobe Creative Cloud
- Bluebeam
- SketchUp
- Lumion
- V-Ray
- Blender
- Physical Modeling

EXPERIENCE

Drees Homes
Architecture Specialist I
Fort Mitchell, Kentucky | Sep 2024 - present

- Construct standard house files in Revit and produce corresponding CD sets
- Create site-specific CD sets and resolve RFIs during construction
- Ensure that customer selections are accurately reflected in final drawing sets
- Produce exterior and interior renderings using Revit and Lumion
- Adjust drawings according to change orders
- Serve on Architecture LEAN committee, reviewing and proposing ideas to increase efficiency
- Create and modify standard detail drawings
- Coordinate with structural engineers
- Size beams and perform roof ventilation calculations
- Produce plot plans
- Develop strong understanding of single and multifamily production home building and regional construction practices

Drawing Dept
Summer Co-op Student
Cincinnati, Ohio | May - Aug 2023

- Adjusted AutoCAD drawings per markups from team members and aided in plan check response
- Measured and drew existing site conditions
- Created client presentation materials
- Performed code analysis
- Coordinated with material suppliers
- Delivered drawing sets to city building department
- Worked on a variety of project types, including multifamily, retail, and food and beverage

Jackson Liles Architecture
Fall Co-op Student
San Francisco, California | Aug - Dec 2022

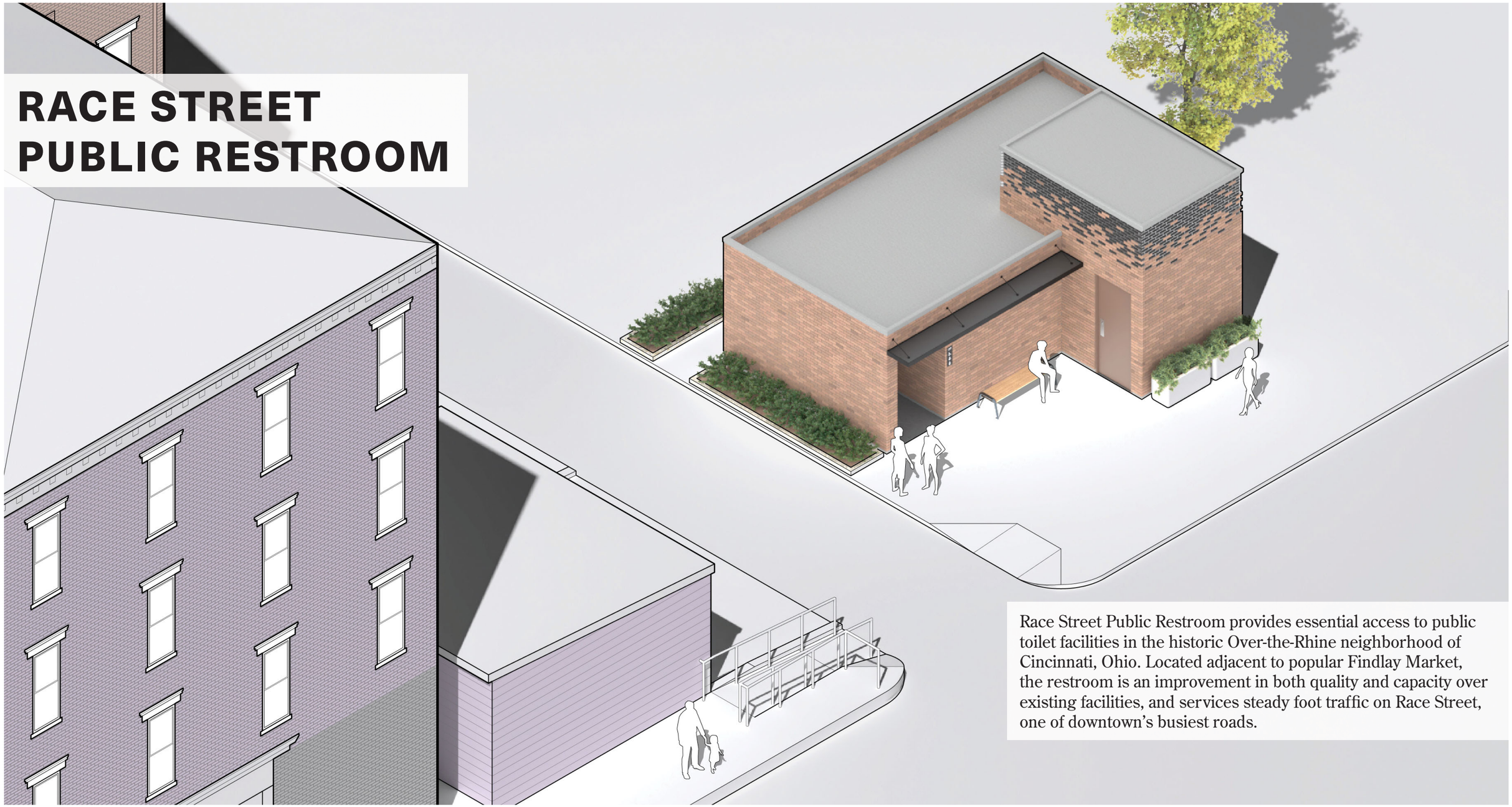
- Adjusted Revit drawings per markups from team members and aided in plan check response
- Created massing, program, and site studies
- Prepared consultant coordination files
- Created client presentation materials
- Edited renderings for client presentations and internal review
- Completed regular file archives in Autodesk Construction Cloud
- Conducted routine RFI and submittal logging
- Investigated site context, studied precedent, and explored materials
- Plotted and bound drawings for submittal to city
- Learned the phases of architectural design
- Gained experience in the construction of industrial warehouses and commercial logistics centers

Studio V Architecture
Winter/Spring Intern
New York, New York | Jan - April 2022

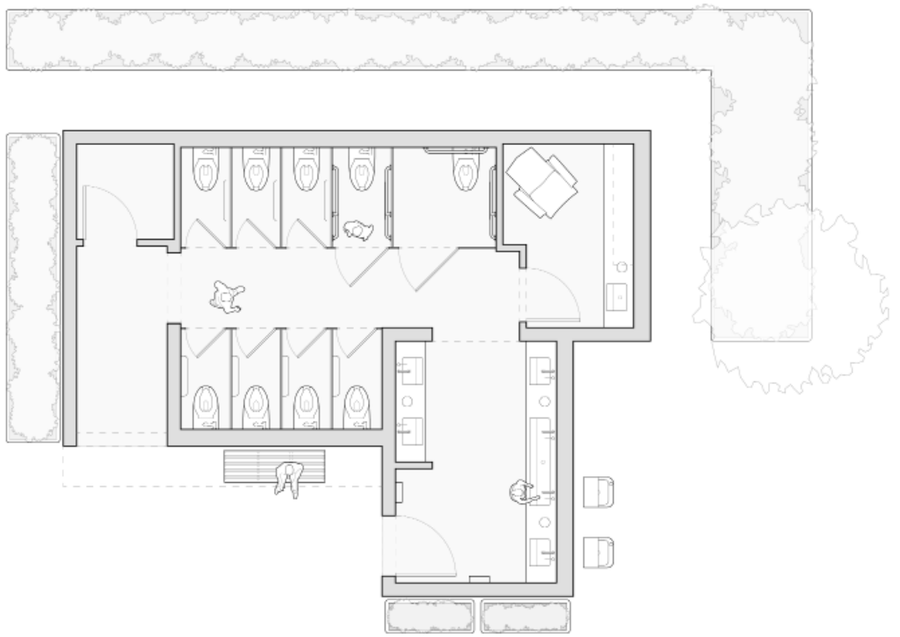
- Designed and built physical models using laser cutters and 3D printers
- Edited renderings for client presentations and internal review
- Worked closely with firm leadership to ensure that design changes would be reflected in deliverables
- Participated in a fast-paced studio environment with frequent deadlines
- Gained familiarity with high-rise residential construction

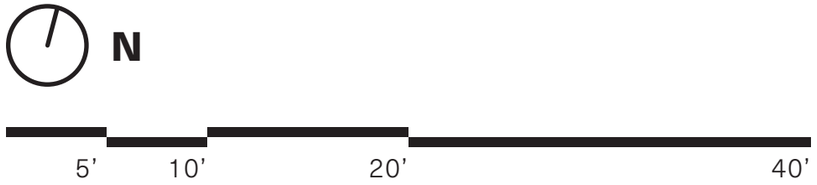
CONTENTS

RACE STREET PUBLIC RESTROOM

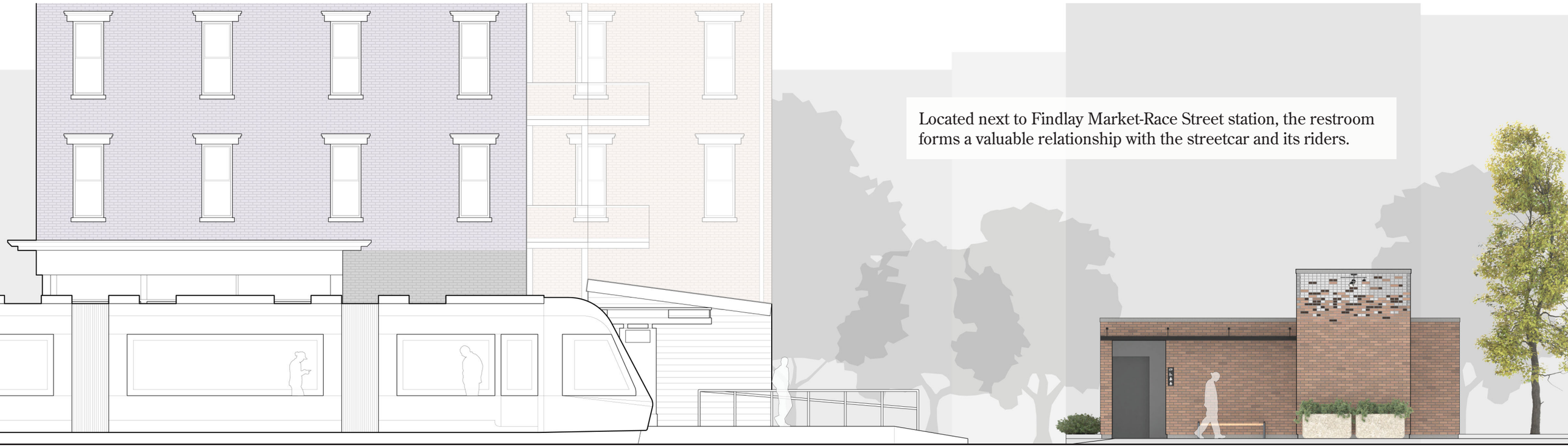


Race Street Public Restroom provides essential access to public toilet facilities in the historic Over-the-Rhine neighborhood of Cincinnati, Ohio. Located adjacent to popular Findlay Market, the restroom is an improvement in both quality and capacity over existing facilities, and services steady foot traffic on Race Street, one of downtown's busiest roads.



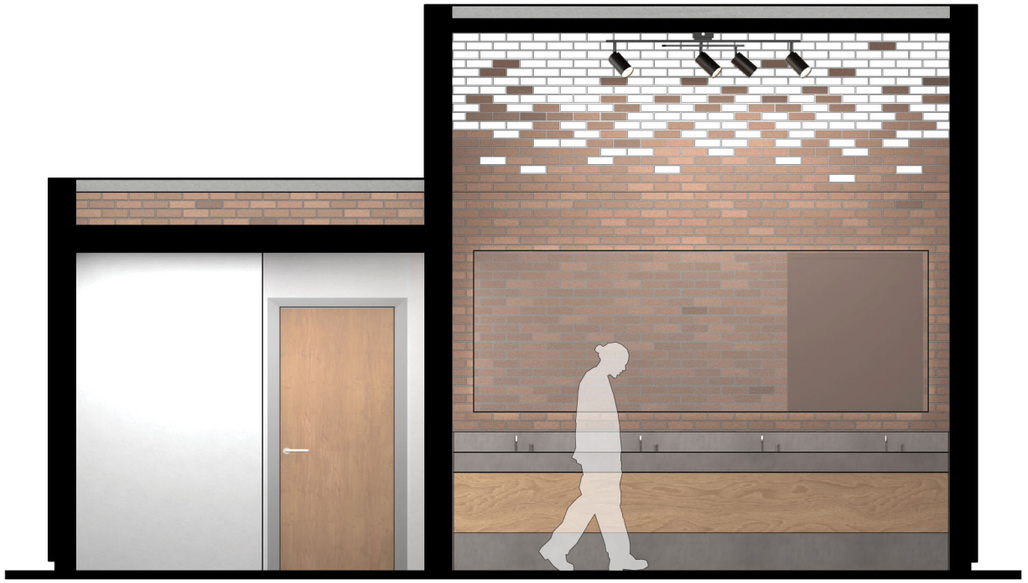


The restroom is a gender-neutral facility that contains nine toilet compartments, including ambulatory and wheelchair-accessible compartments, and a lactation room. The exterior features two water fountains and a covered bench in front of the building.



Located next to Findlay Market-Race Street station, the restroom forms a valuable relationship with the streetcar and its riders.

5’ 10’ 20’ 40’



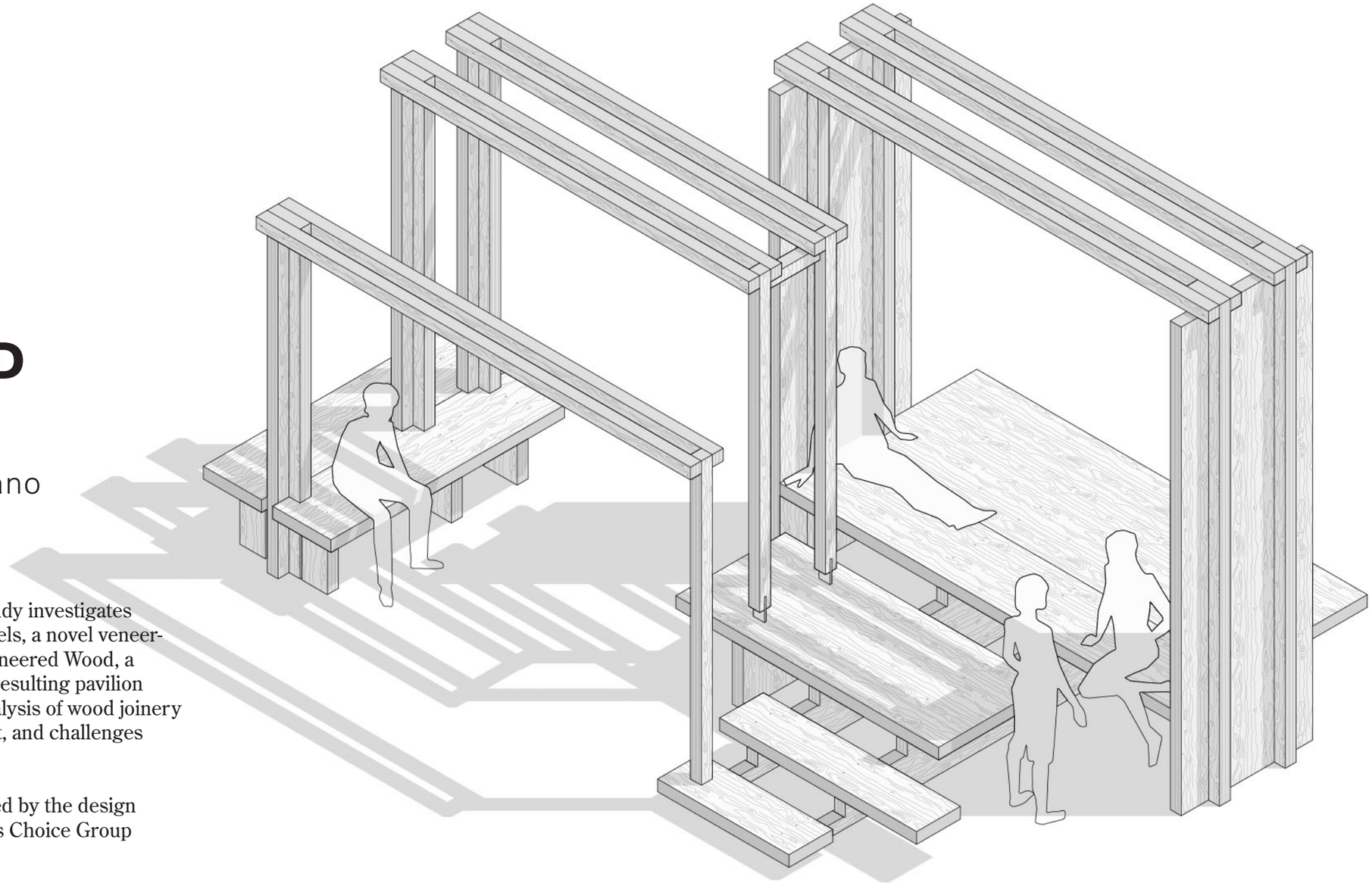
section at sinks

5’ 10’ 20’

The building reflects the physical context of Over-the-Rhine with an orange brick facade, which dissolves into a gradient pattern and forms a clerestory element that provides natural light and ventilation to the space while maintaining user privacy.

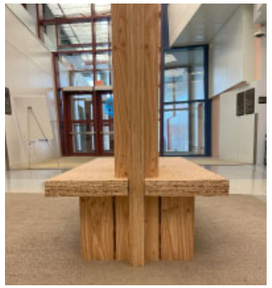
MASS PLYWOOD CASE STUDY

collaboration with Seth Aridano

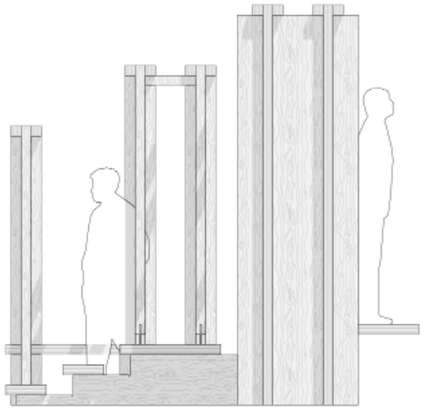


As part of a design research studio, this case study investigates the architectural potential of Mass Plywood Panels, a novel veneer-based timber product developed by Freres Engineered Wood, a lumber company based in Lyons, Oregon. The resulting pavilion functions as an exercise in space-making, an analysis of wood joinery and hardware connections in a Mass Ply context, and challenges traditional use of panel-based timber products.

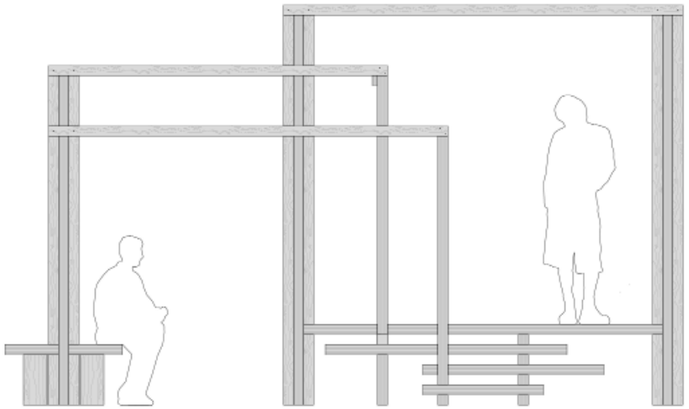
This project is featured in a publication, produced by the design research studio as a whole, that won a Director's Choice Group Award at DAAPworks 2024.



Bartholomew selected works



side elevation



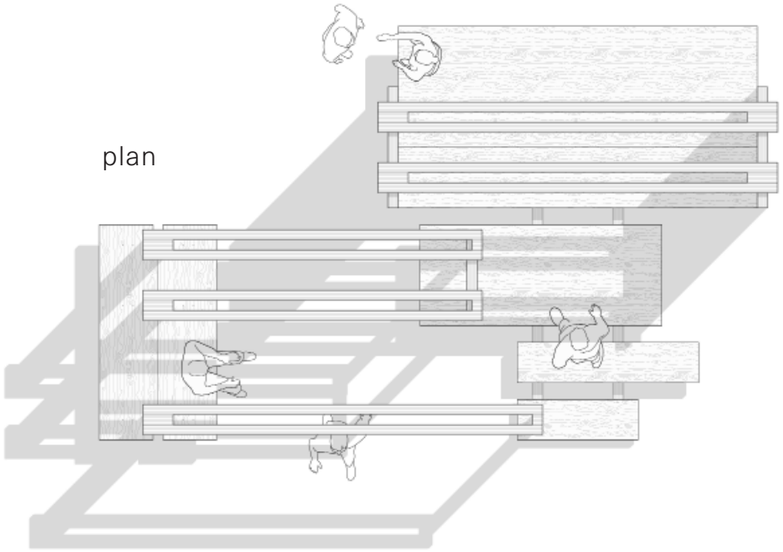
front elevation

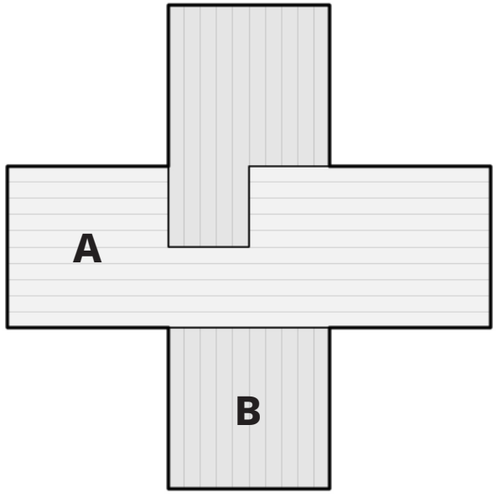
5’ 10’ 20’

The pavilion optimizes limited materials by using columns and overhead elements to frame spaces and create an observable progression to the user.

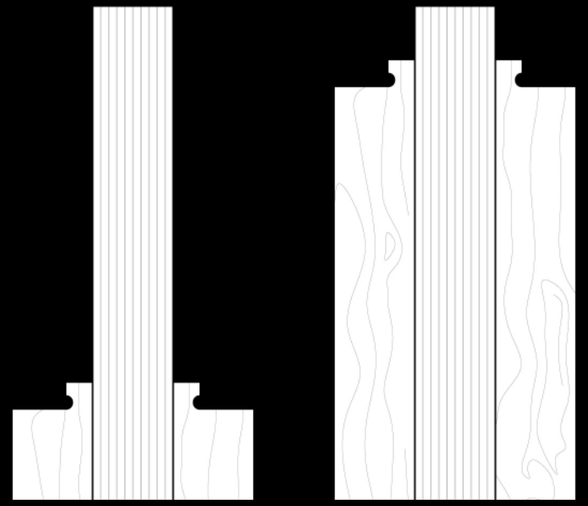
Horizontal planes were prioritized for full panels and were placed at varying heights to create opportunities for multiple use cases.

plan

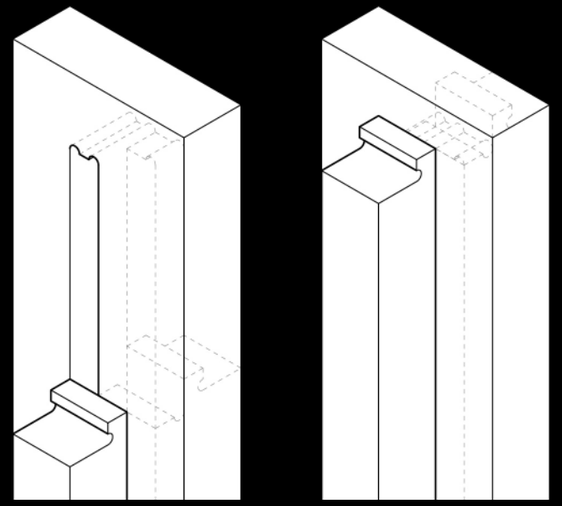




plan
column underside



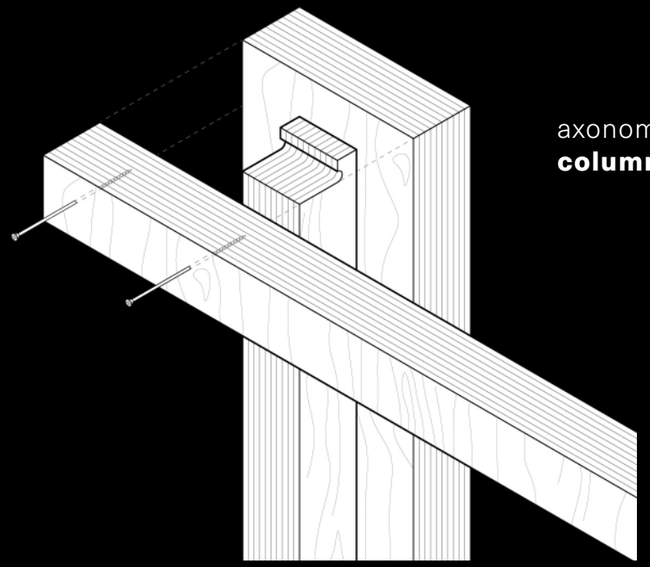
elevation
column assembly



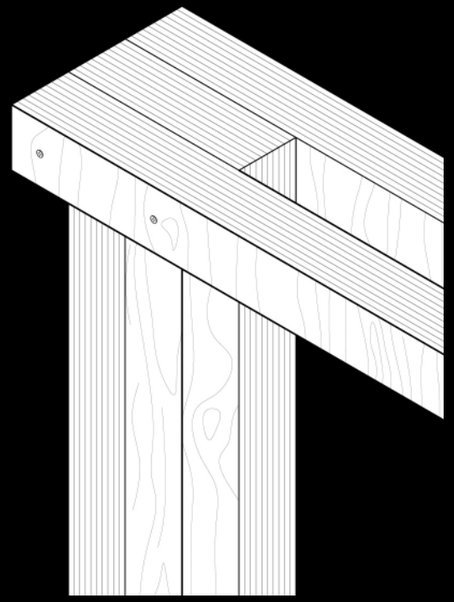
axonometric
column assembly

Perhaps the project's greatest achievement is the introduction of the mass plywood cruciform column, which provides structural stability and serves as a design driver.

The cruciform column is formed by two pieces which interlock as drawn above. Columns are assembled by sliding the "A" piece through the "B" piece. No hardware is required.



axonometric
column - beam assembly

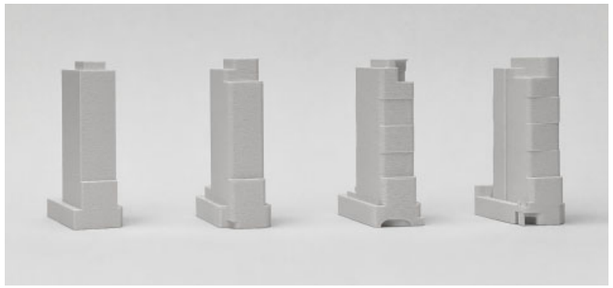


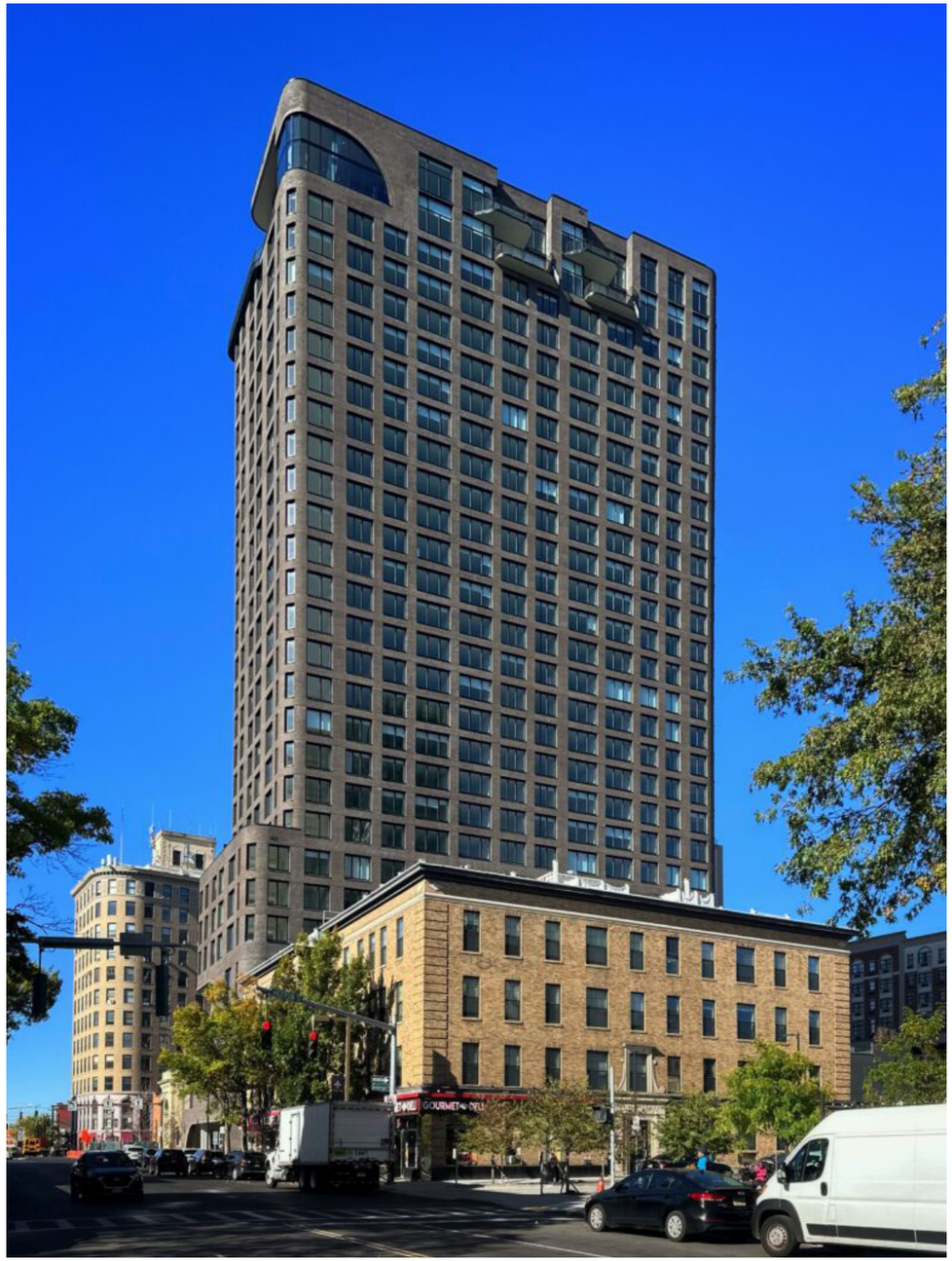
NEW YORK
MIXED-USE HIGH-RISE

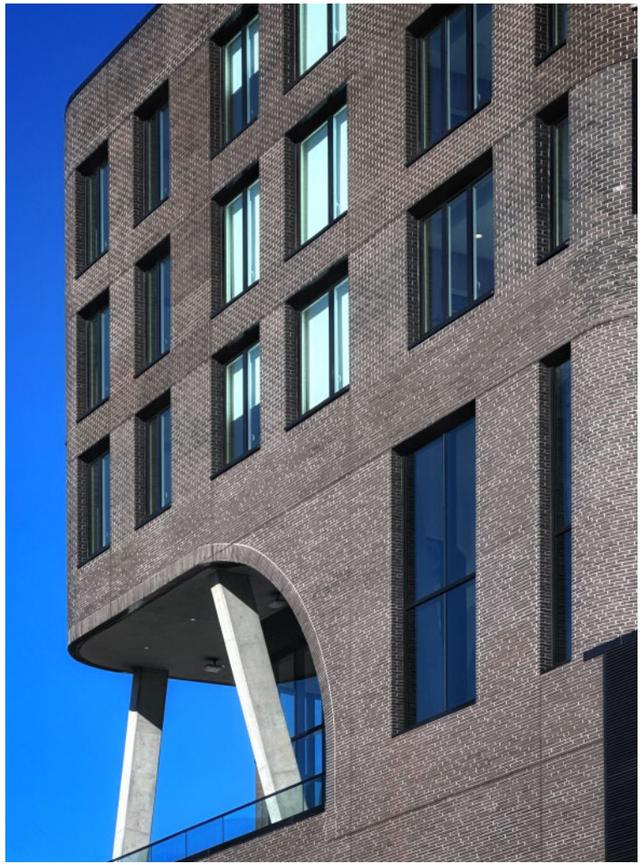
The following physical models were designed and constructed as part of the winning entry in a two-week design competition for a high-rise mixed-use project in New Rochelle, New York.

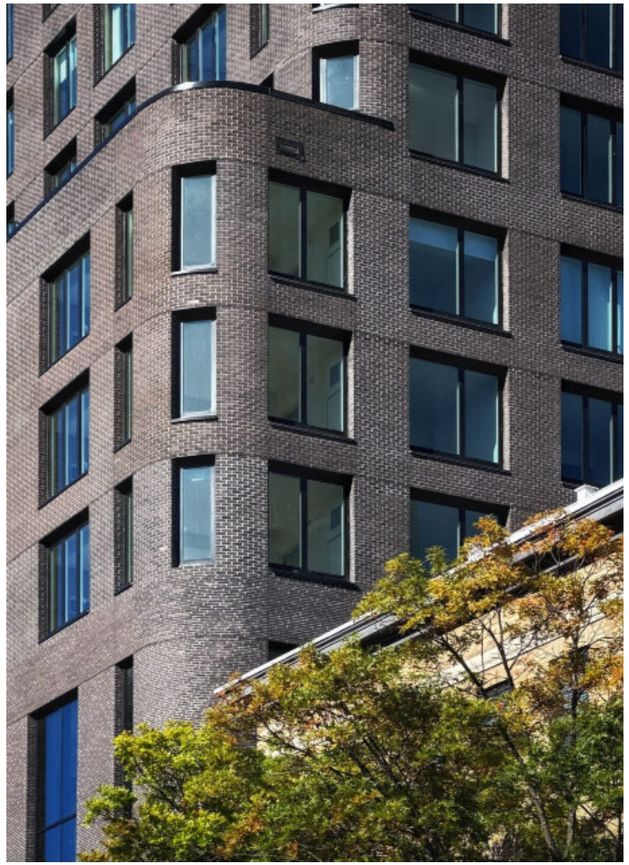
Three detailed models were prepared and presented as design options that reflect an iterative progression, as well as four smaller massing models to supplement the presentation.

247 North Avenue
image included for reference | render from Studio V Architecture





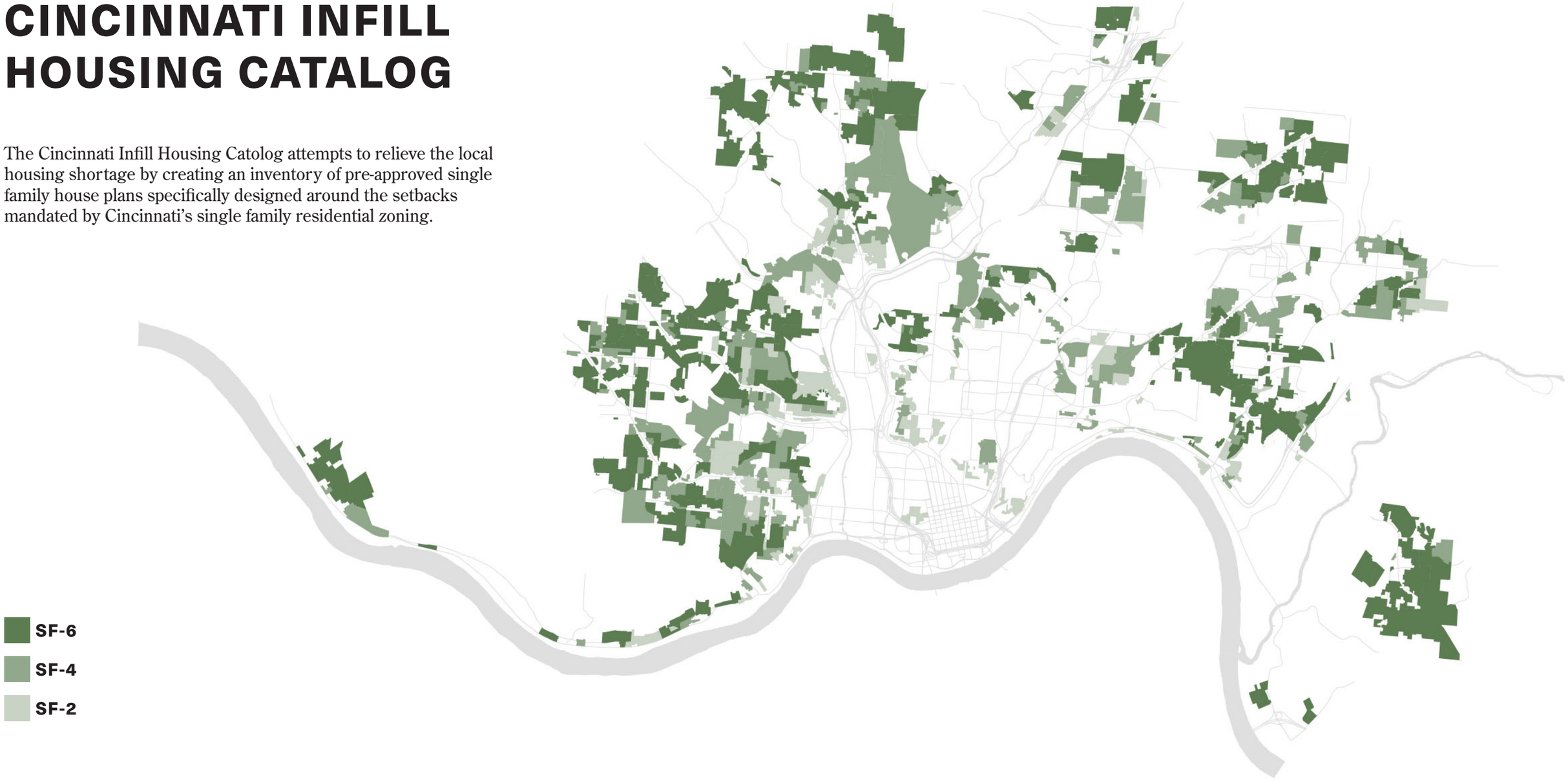


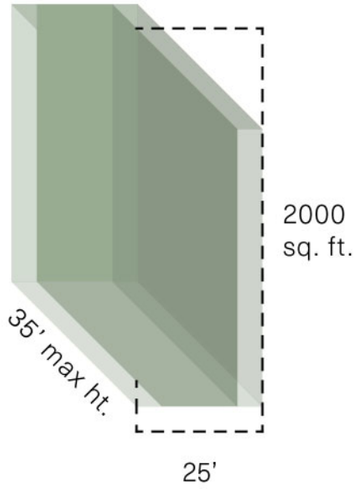


247 North Avenue
images included for reference | photography by Michael Young

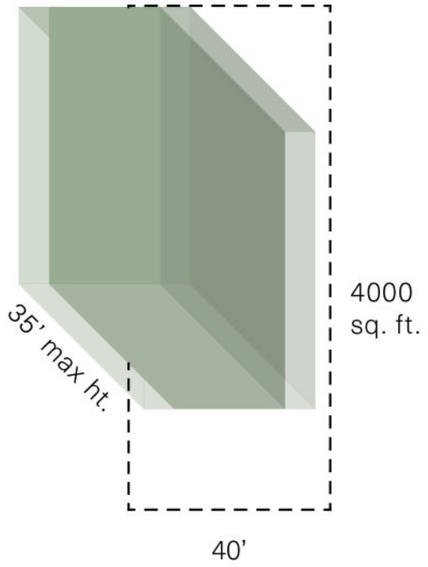
CINCINNATI INFILL HOUSING CATALOG

The Cincinnati Infill Housing Catolog attempts to relieve the local housing shortage by creating an inventory of pre-approved single family house plans specifically designed around the setbacks mandated by Cincinnati's single family residential zoning.

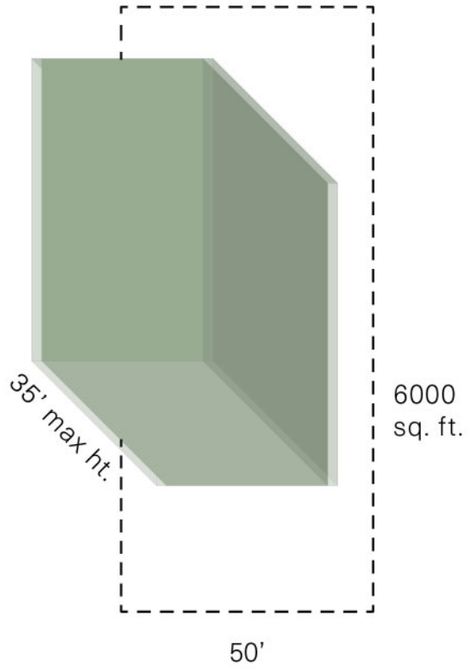




setbacks
front: 5’
side: 5’ tot.



setbacks
front: 20’
side: 3’ min. / 12’ tot.

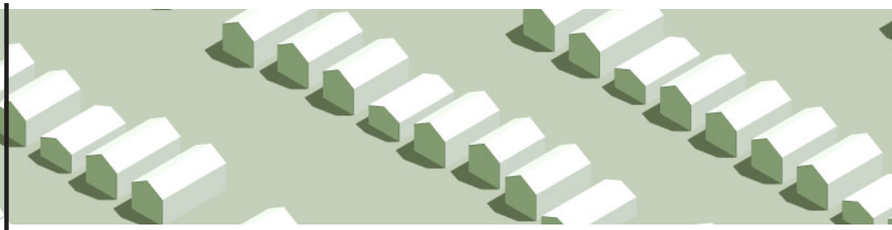


setbacks
front: 25’
side: 7’ min. / 16’ tot.

neighborhood density: SF-2

neighborhood density: SF-4

neighborhood density: SF-6

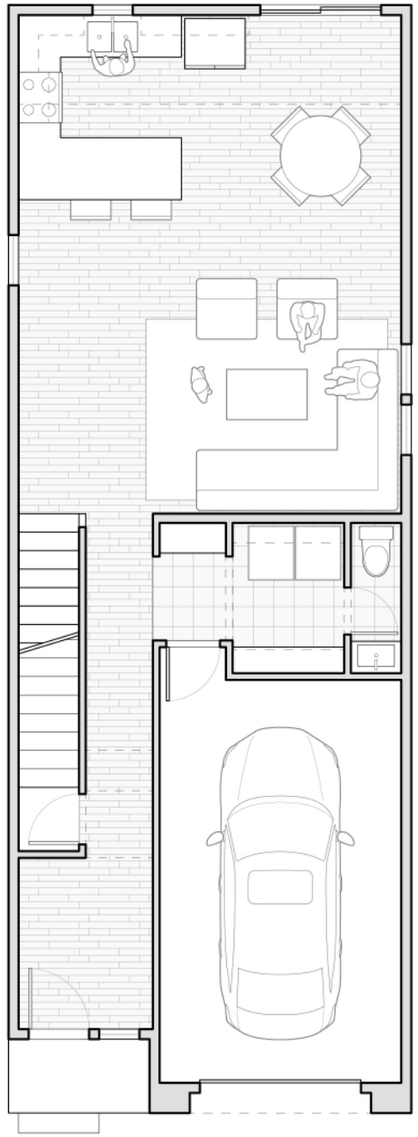


Bartholomew selected works

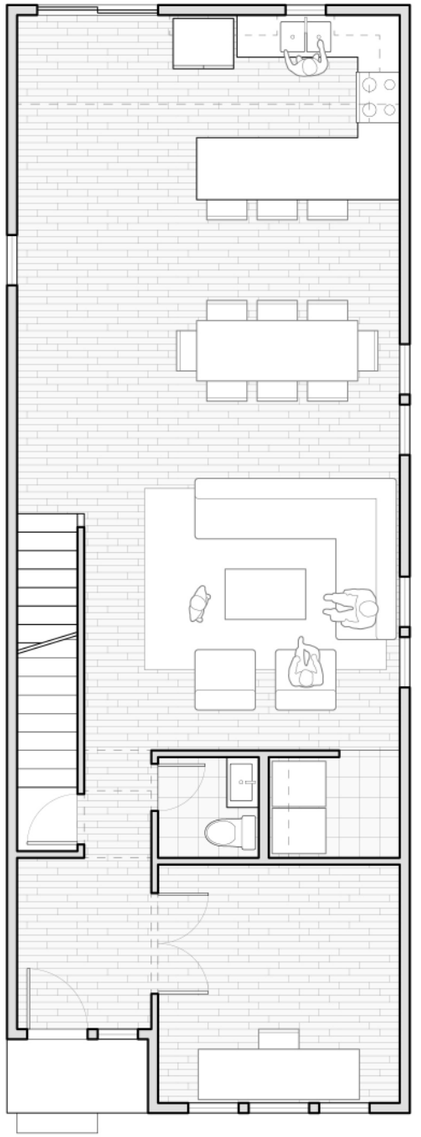
front elevation

PROTOTYPE SF-2-A

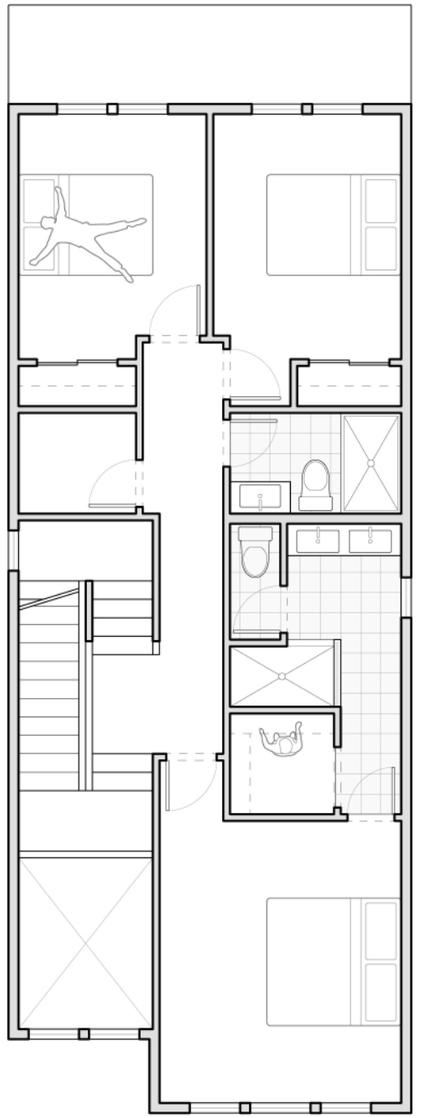
This prototype single family home is designed specifically for lots with zoning designation SF-2. Two different layout are available for the first floor. Unfinished basement and attic space are not shown.



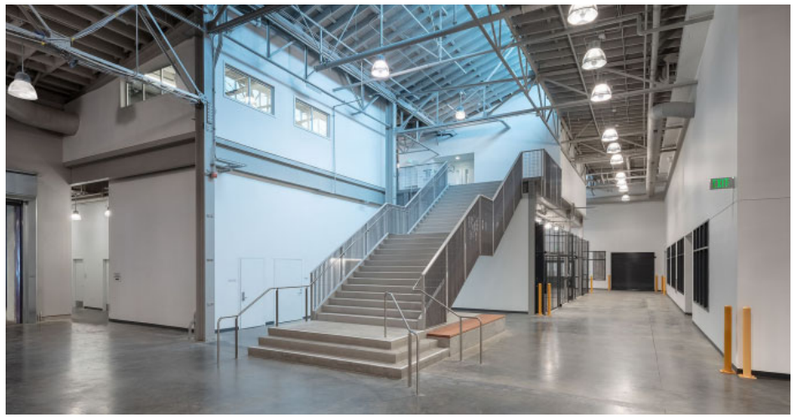
1st floor (garage)



1st floor (office)

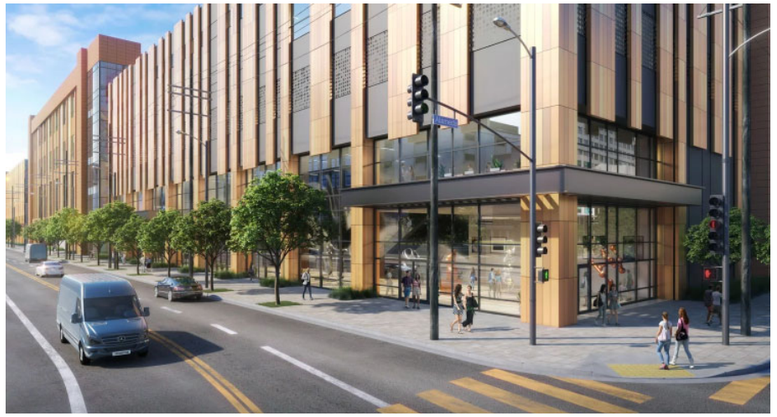


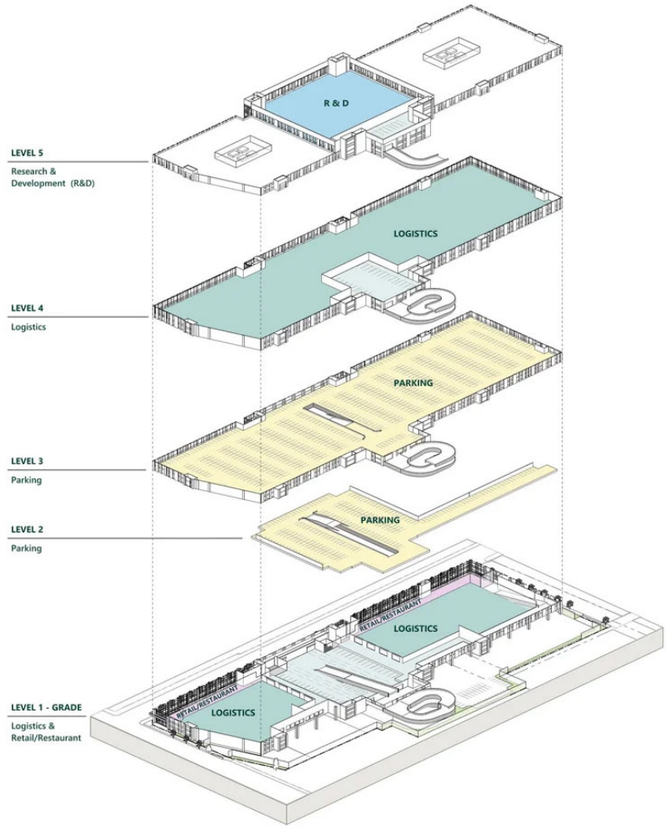
2nd floor



SAN FRANCISCO FLOWER MARKET

images included for reference | photography by Eric Rorer





DTLA LOGISTICS CENTER

images included for reference | jacksonliles.com

PROFESSIONAL RESIDENTIAL WORK

THANK YOU FOR YOUR CONSIDERATION

ian@idbart.com
(513) 642-1873
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