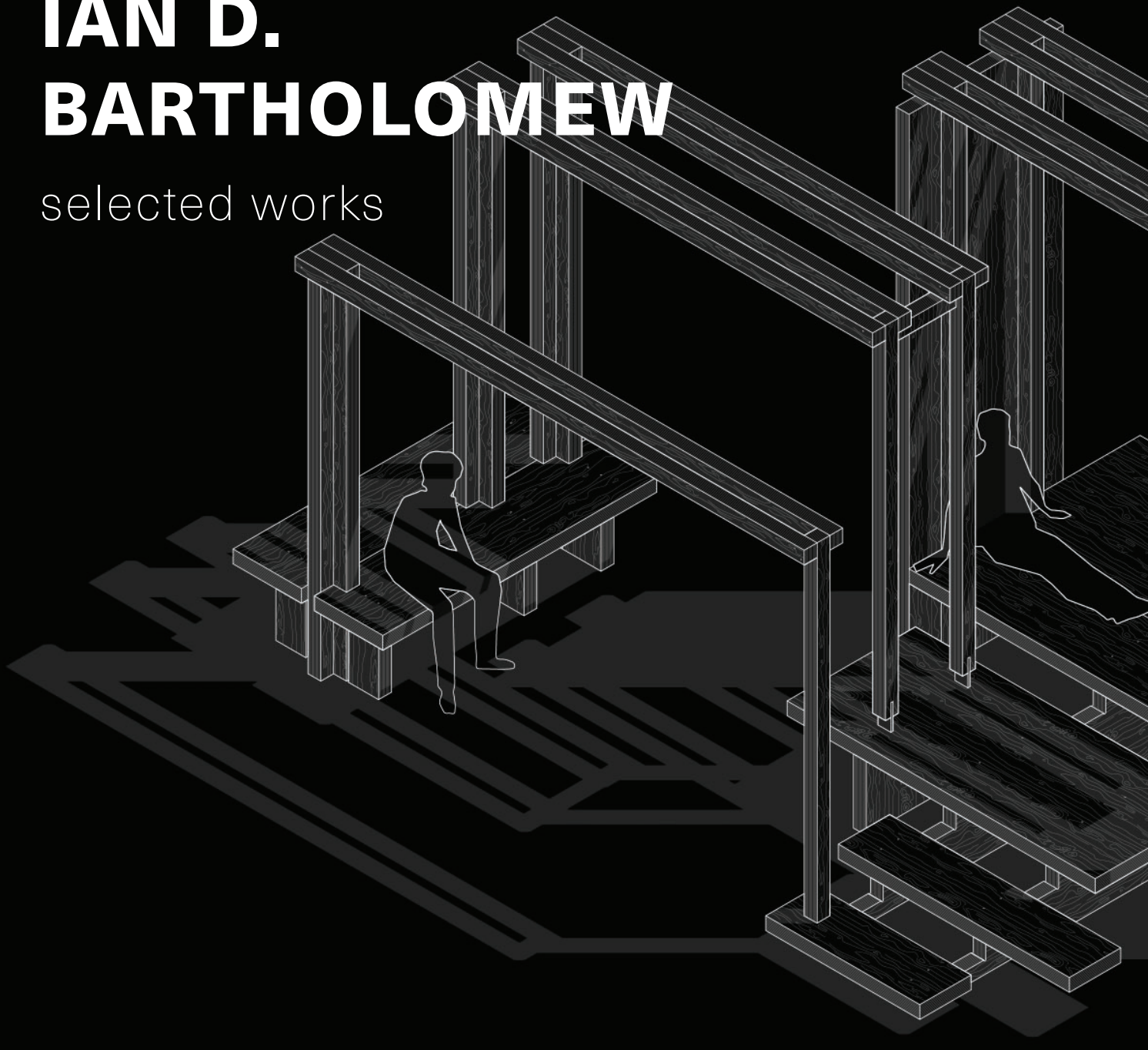
IAN D. BARTHOLOMEW

selected works



RÉSUMÉ

ian@idbart.com
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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

SKILLS

- Revit
- AutoCAD
- Rhino
- SketchUp
- V-Ray
- Photoshop
- Illustrator
- InDesign
- Physical Modeling
- Blender

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 any subsequent issues with drawings during construction
- Ensure that customer selections are accurately reflected in final drawing sets
- Produce exterior and interior renderings using Revit and Lumion
- Issue and complete product change orders
- Serve on Architecture LEAN committee, reviewing and proposing ideas to increase efficiency
- Create and modify standard detail drawings
- Coordinate with structural engineer
- Size beams for spans and perform roof ventilation calculations
- Coordinate with builders in the field
- Act as point of contact for CD sets while in division review
- Produce plot plans
- Gain familiarity with residential 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
- Helped perform code analysis
- Coordinated with material suppliers
- Delivered drawing sets to the city building department

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

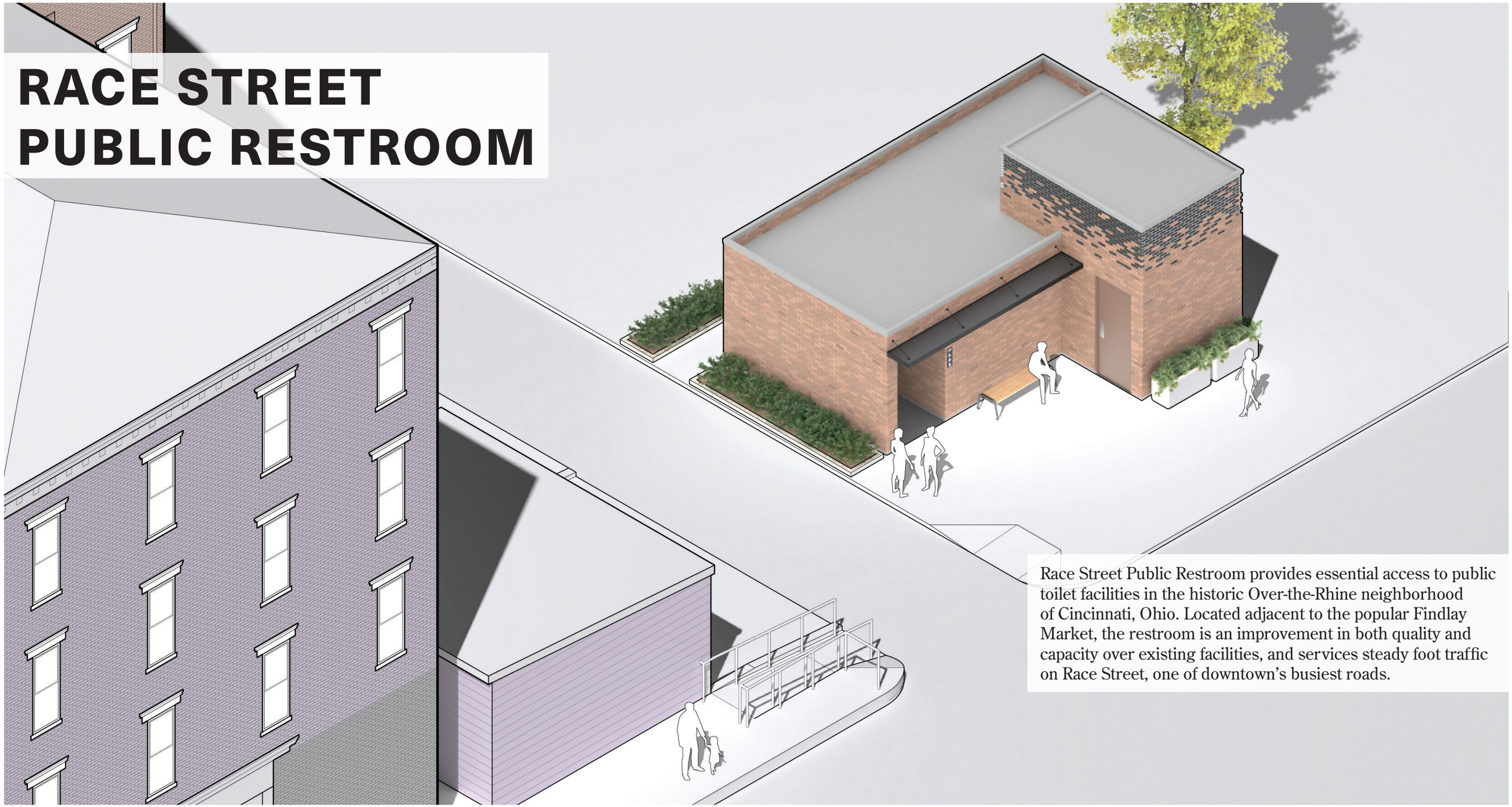
- Adjusted Revit drawings per markups from team members and aided in plan check response
- Created massing, program, and site studies in Revit
- Executed consultant coordination with Revit
- Created client presentation materials
- Performed research, including site context investigations, precedent studies, and material explorations
- Completed regular archives of Revit files using Autodesk Construction Cloud
- Conducted routine RFI and submittal logging
- Plotted and bound drawings for submittal to the city
- Gained familiarity with the phases of design
- Gained experience with the construction of industrial warehouses and commercial logistics centers

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

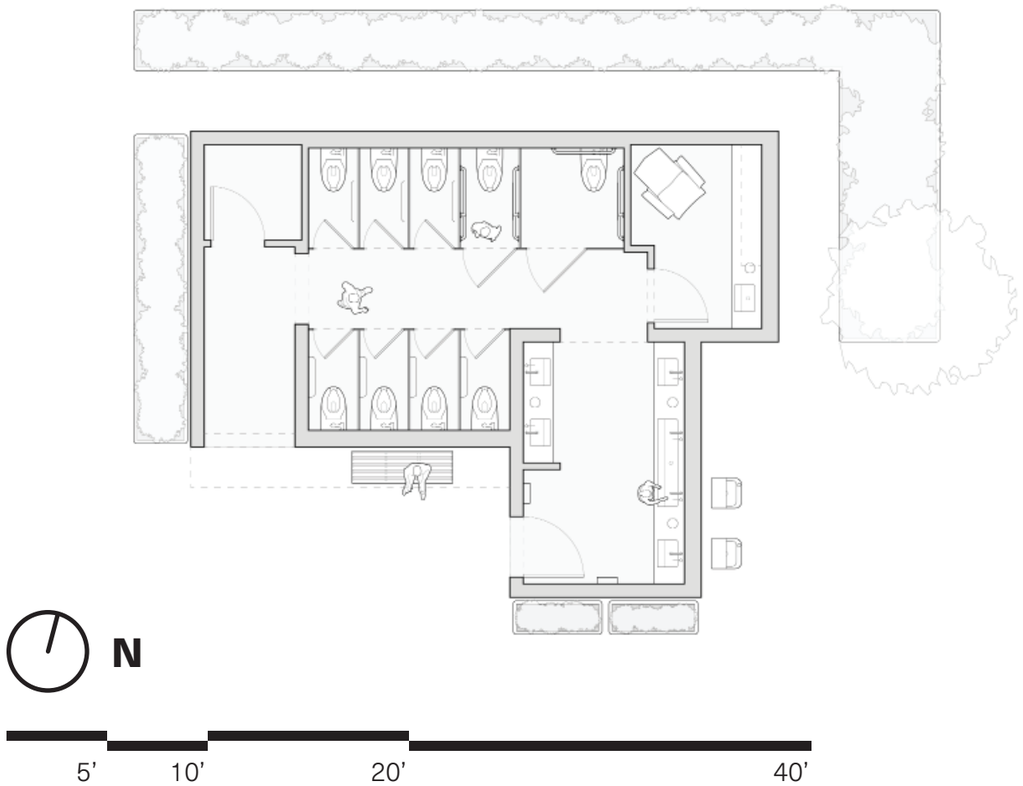
- Designed and built physical models using laser cutters and 3D printers
- Edited renderings for client presentations and internal review
- Worked closely with firm principal to ensure that design changes would be reflected in deliverables
- Participated in a fast-paced studio environment with frequent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

CONTENTS

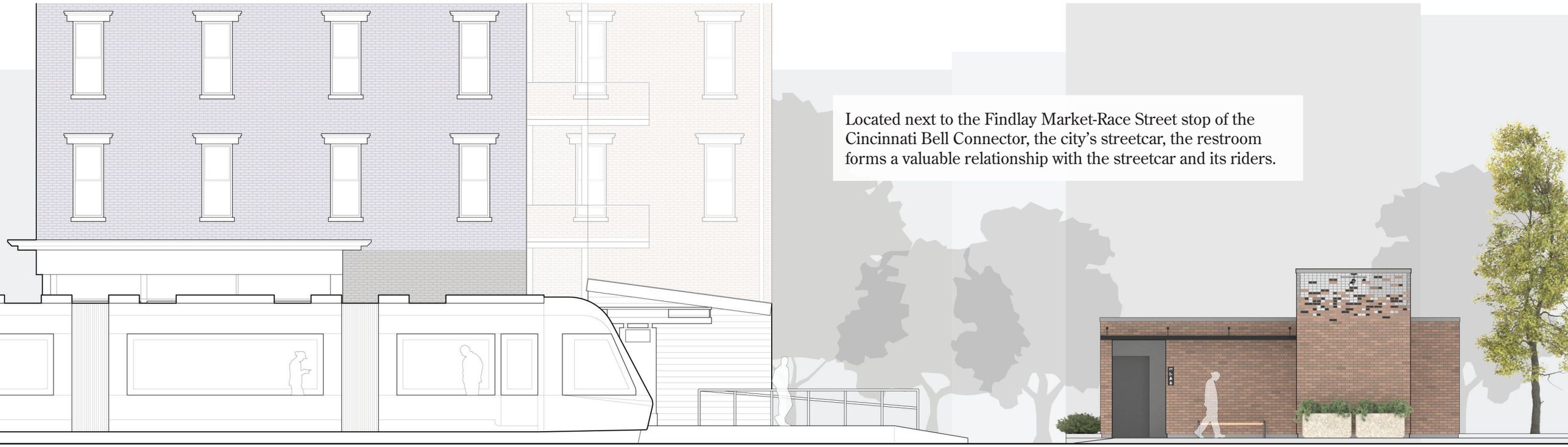
RACE STREET PUBLIC RESTROOM



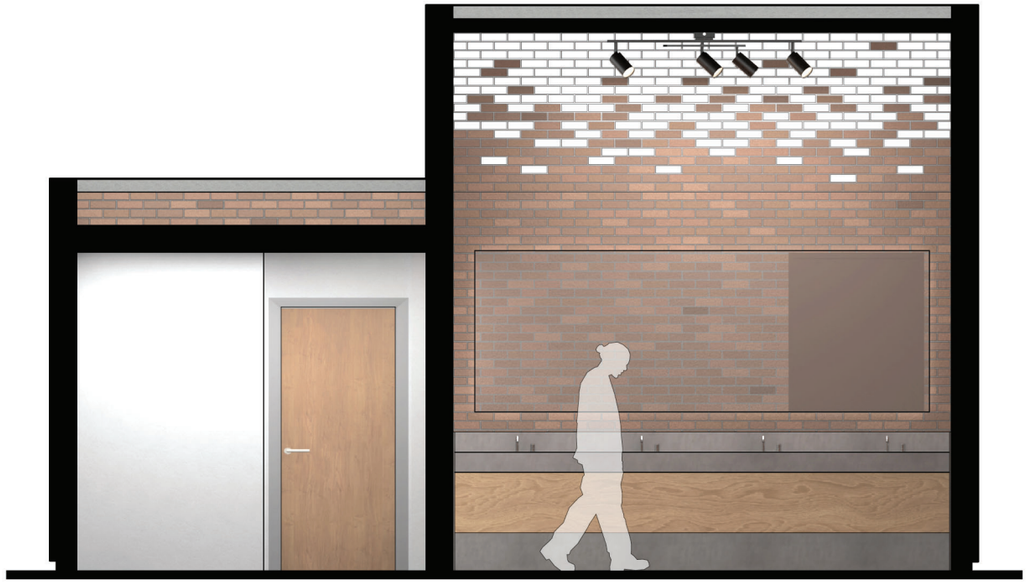
Race Street Public Restroom provides essential access to public toilet facilities in the historic Over-the-Rhine neighborhood of Cincinnati, Ohio. Located adjacent to the popular Findlay Market, the restroom is an improvement in both quality and capacity over existing facilities, and services steady 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 the Findlay Market-Race Street stop of the Cincinnati Bell Connector, the city's streetcar, the restroom forms a valuable relationship with the streetcar and its riders.



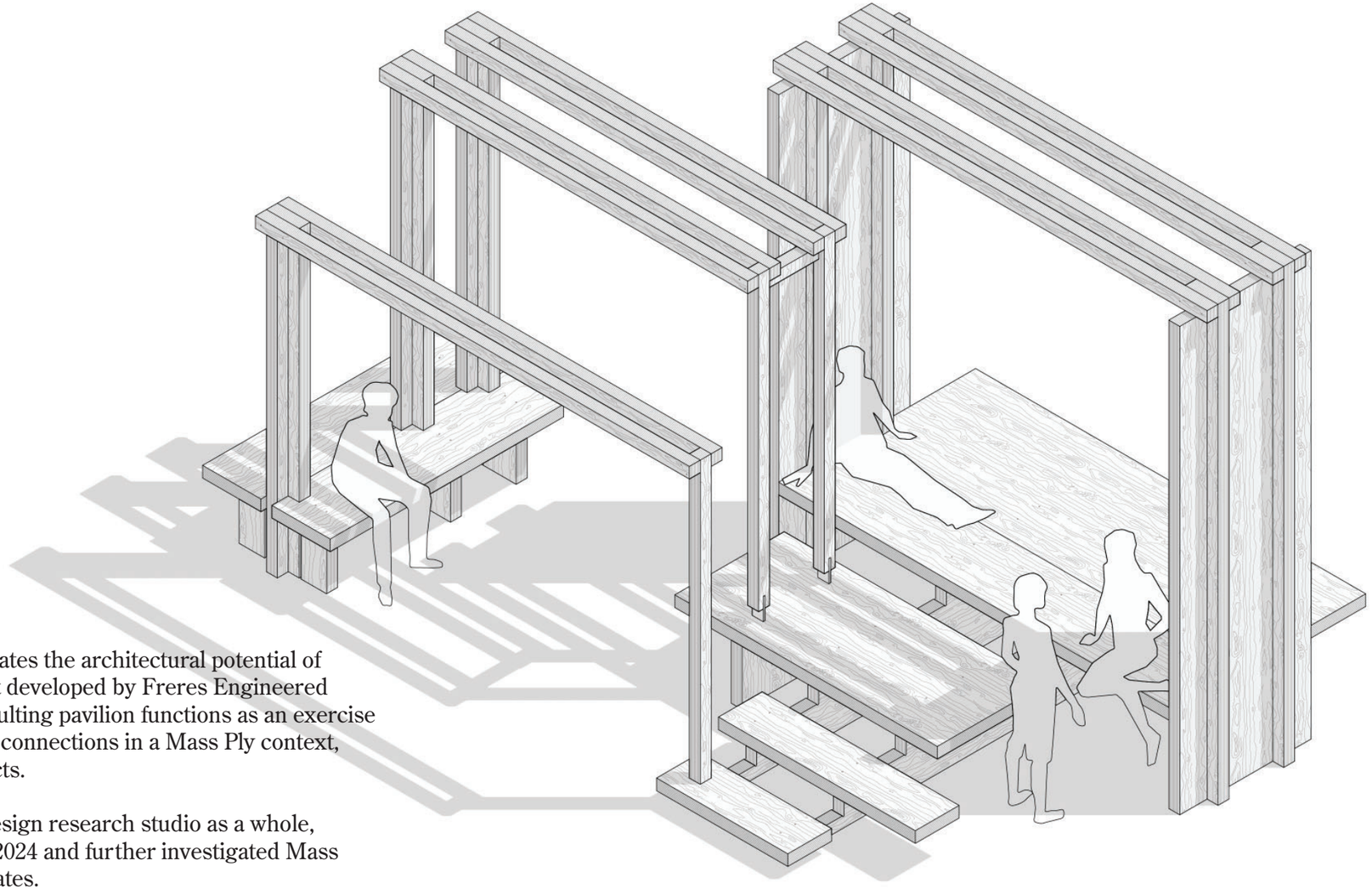
section at sinks

5’ 10’ 20’

The building reflects the physical context of Over-the-Rhine with an orange brick facade. The bricks dissolve into a gradient pattern as they climb the facade, forming a clerestory element that provides natural light and ventilation to the space while maintaining user privacy.

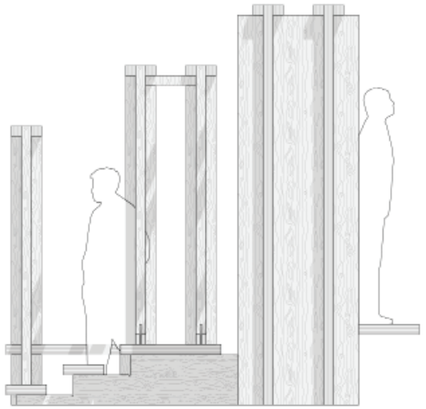
MASS PLYWOOD CASE STUDY

collaboration with Seth Aridano

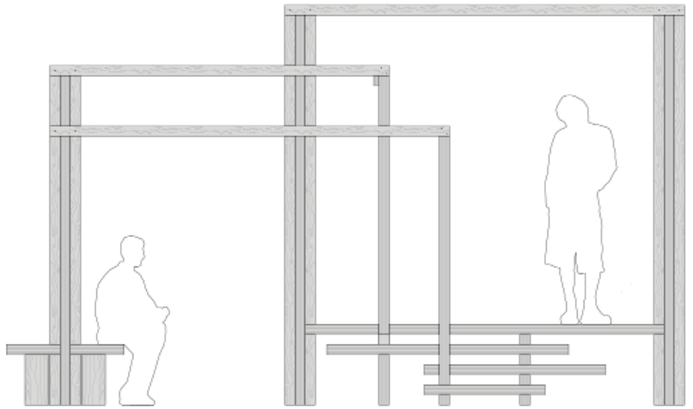


As part of a design research studio, this case study investigates the architectural potential of Mass Plywood Panels, a novel veneer-based timber product developed by Freres Engineered Wood, a lumber company based in Lyons, Oregon. The resulting pavilion functions as an exercise in space-making, an analysis 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 and further investigated Mass Plywood Panels and domestic architecture in the United States.



side elevation

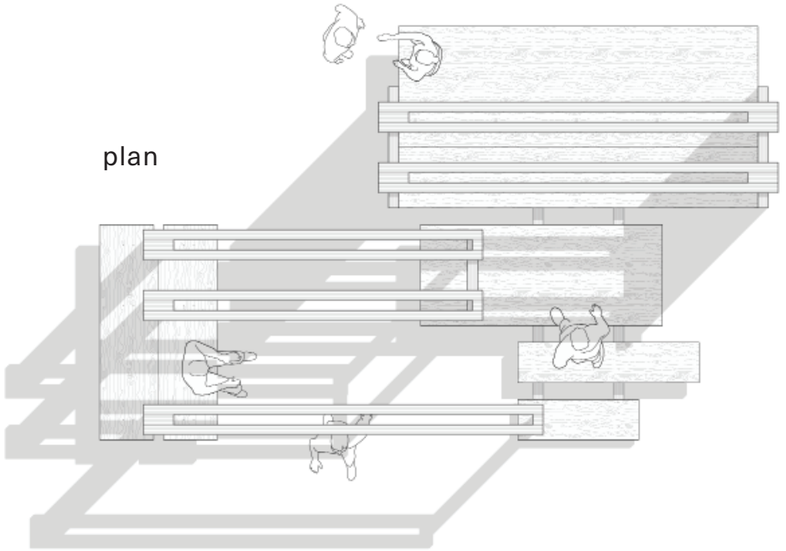


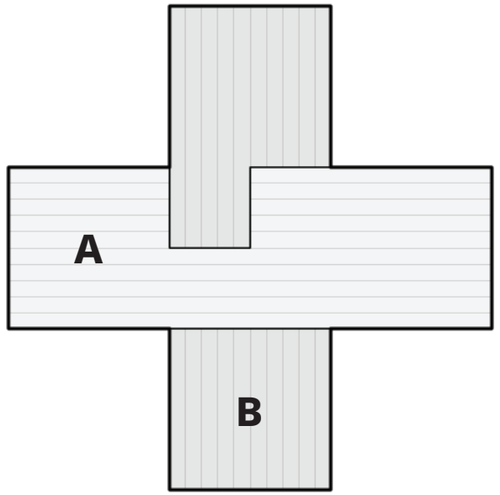
front elevation

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

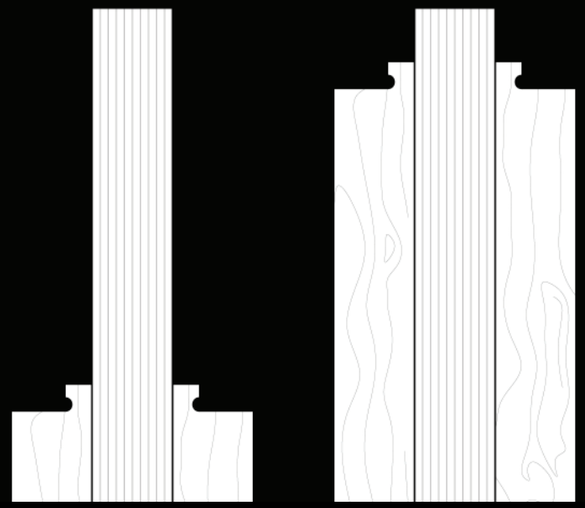




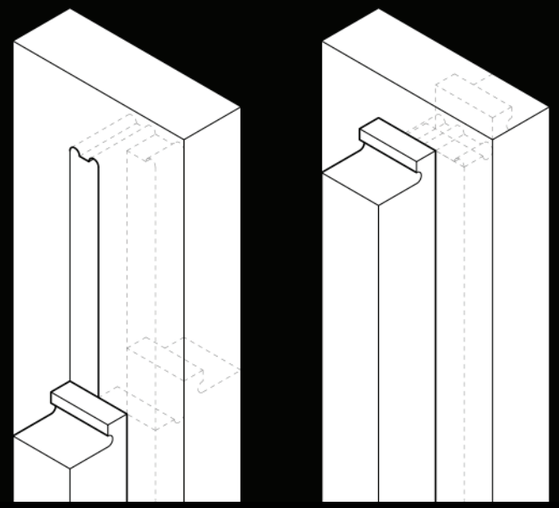
plan
column underside

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.

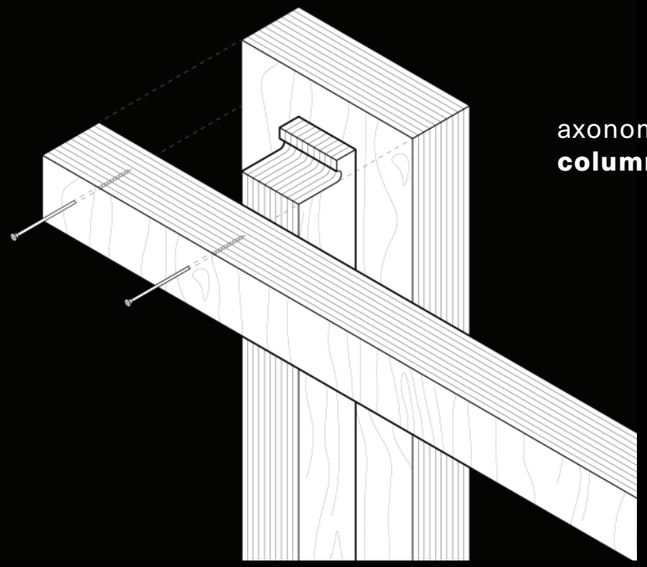
The cruciform column is formed by two pieces which interlock as drawn above. Columns are assembled by sliding the "A" piece through the "B" piece. No hardware is required in the formation of the column.



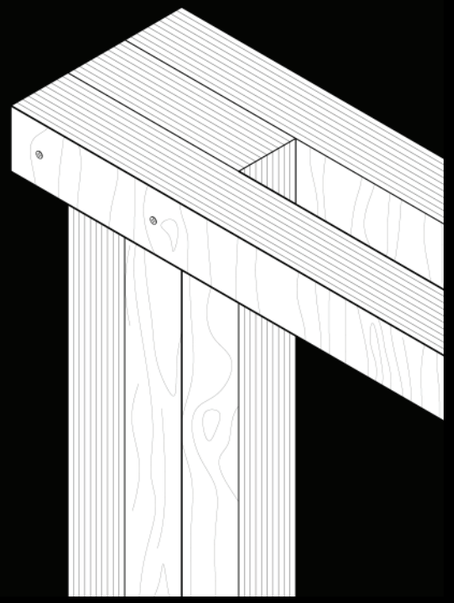
elevation
column assembly



axonometric
column assembly



axonometric
column - beam assembly

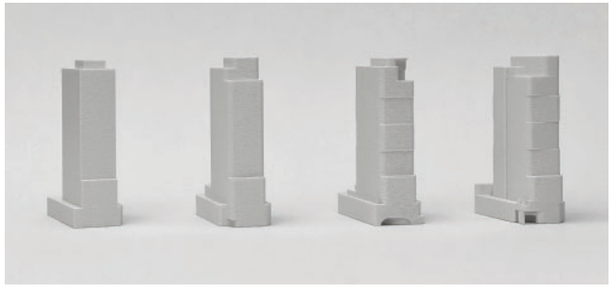


COMPETITION PRESENTATION MODELS

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
reference image from Studio V Architecture



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