

SANDAA AYE

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Washington Metropolitan Area
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443.204.3074

EDUCATION

University of Maryland, College Park, MD
Bachelor of Arts, Architecture
Minor in Sustainability, LEED Green Associate
August 2017 - December 2021

WORK AND VOLUNTEER EXPERIENCE

AUG 2022 - JUNE 2024

R. McGhee & Associates, Washington, D.C.
Architectural Intern (Full Time)

- Produced drawings, models, and diagrams supporting predesign through construction administration for educational and government projects using Revit, SketchUp, FormIt, and AutoCAD
- Developed renovation solutions that balanced historic preservation requirements with modernization and master planning goals
- Assisted in drafting and tracking responses to RFIs and ASIs, facilitating clear communication between architects, engineers, and contractors
- Conducted on-site ADA assessments at the University of the District of Columbia and DC Public Libraries to evaluate accessibility conditions
- Key Projects: Lamond Riggs Campus Master Plan, School Without Walls at Francis Stevens storefront wall renovation, Browne Education Campus door redesigns

APRIL 2017 - DEC 2023

Spun Cotton Candy Art, Bowie, MD
Cotton Candy Artist

- Organized site visits to verify conditions meet event space and power requirements
- Engaged with guests while creating custom cotton candy designs

JAN 2018 - DEC 2021

NOMAS (UMD Chapter), College Park, MD
Volunteer Graphic Designer and Workshop Chair

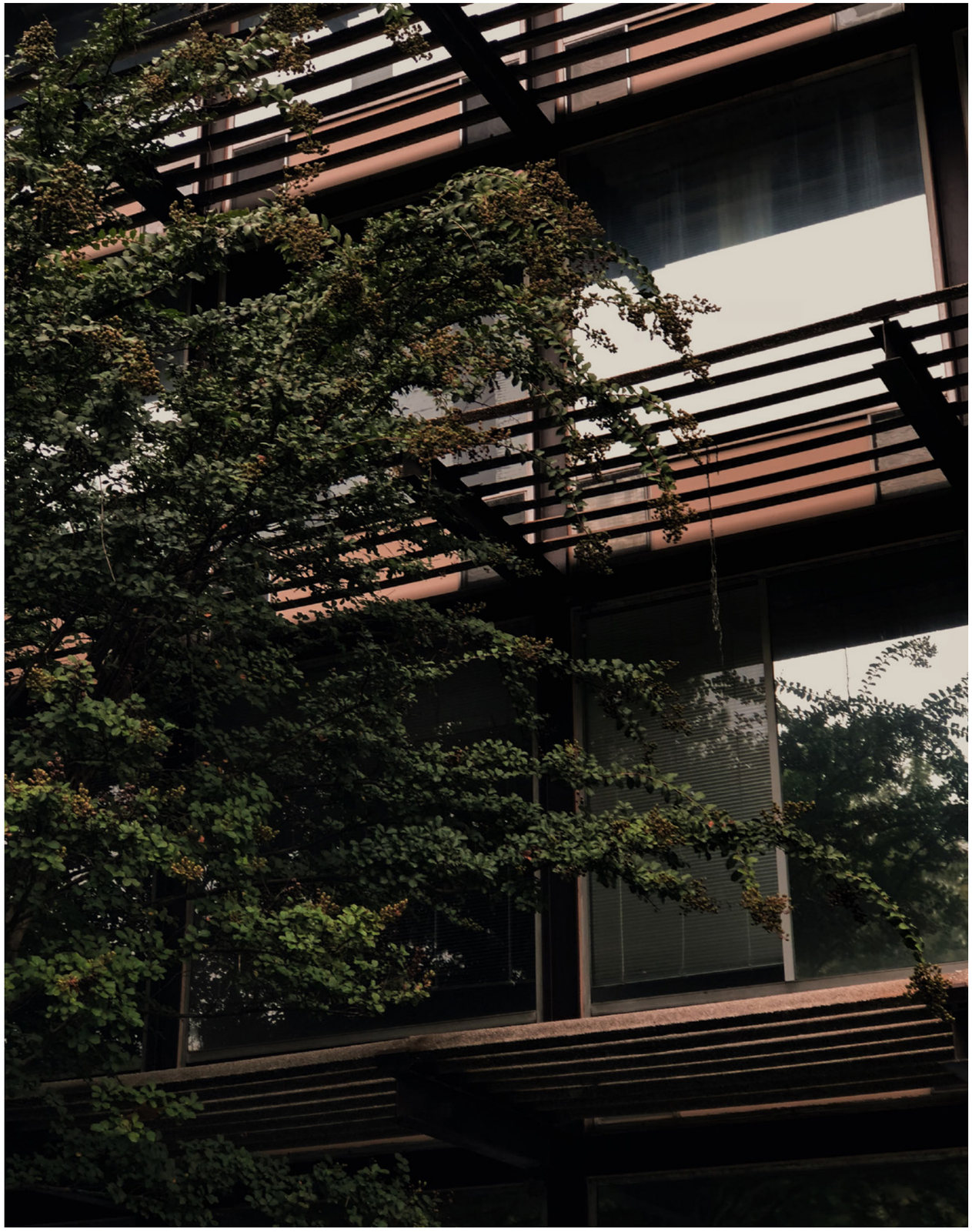
- Managed social media accounts and designed promotional flyers using Adobe Illustrator and InDesign
- Led physical and digital model-making workshops, providing guidance in Adobe and Autodesk software
- Coordinated with local architecture firms to host community-oriented design seminars

SKILLS

Revit, AutoCAD, SketchUp, Adobe Creative Suite, FormIt, Rhino, Bluebeam, Microsoft Office, Google Suite, Enscape

INTERESTS

Photography, Houseplants, Sketching, Yoga, Cooking, Baking, Sewing



PROFESSIONAL

01 LAMOND RIGGS MASTER PLAN

02 SCHOOL WITHOUT WALLS AT FRANCIS STEVENS STOREFRONT WALL RENOVATION

03 BROWNE EDUCATION CAMPUS DOOR REDESIGNS

ACADEMIC

04 RIVIERA TAPAS FACADE STUDY

05 COMPACT FOLLY

06 QUAHAUG POINT HOUSE BUILDING STUDY

PERSONAL

07 SKETCHES & PHOTOGRAPHY



01 LAMOND RIGGS MASTER PLAN

• 2022-2024 • R. McGhee & Associates • Washington, D.C • Campus Planning

EXISTING SITE CONTEXT



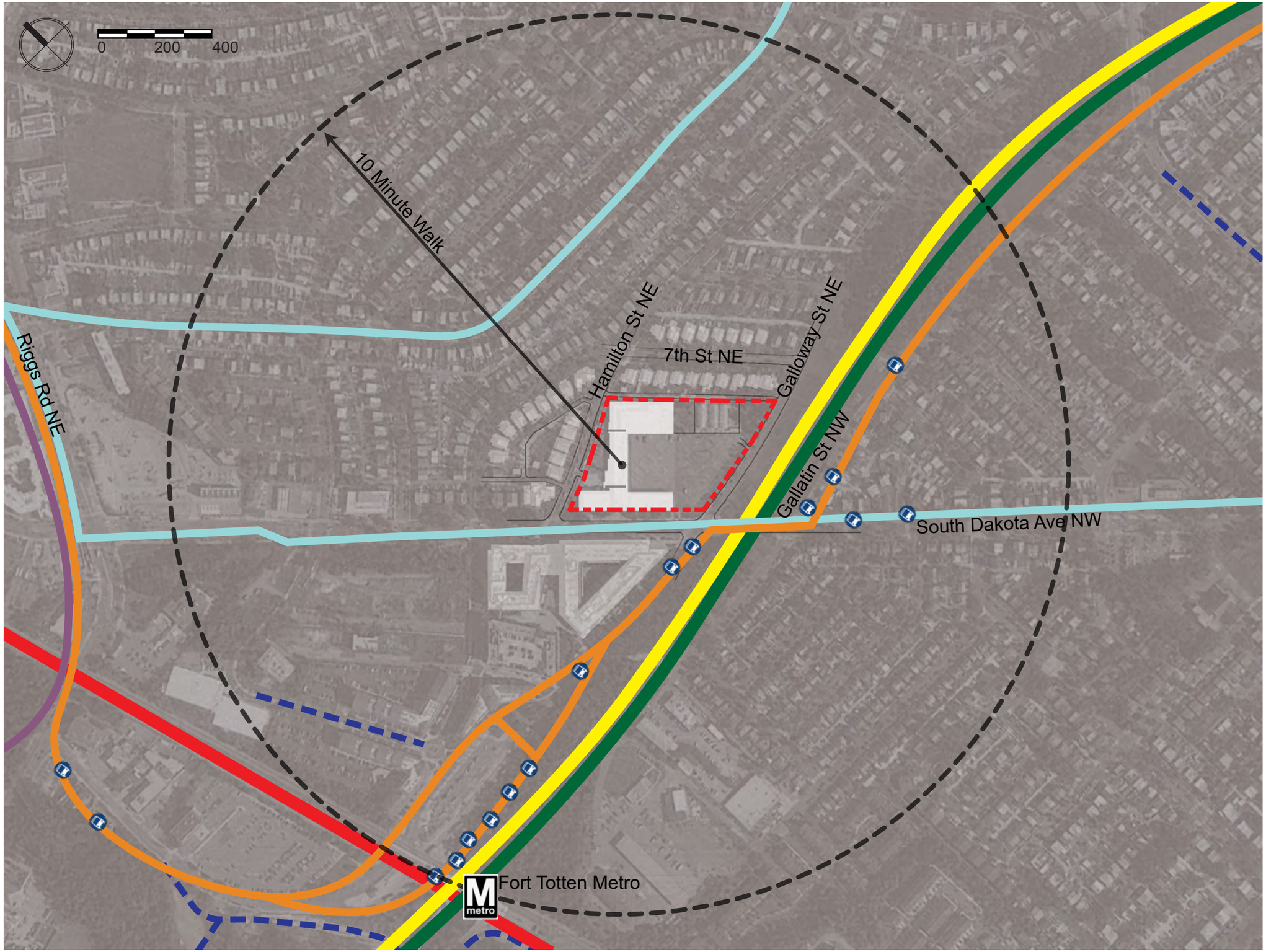
EXISTING CONDITIONS AND PROPOSED DEVELOPMENT

The University of the District of Columbia's Lamond Riggs campus spans 126,108 SF across three levels and is split between three wings: A, B, and C. The modernization effort is divided into two phases focused on upgrading infrastructure, improving accessibility, and supporting UDC's branding goals, alongside an interior programming analysis.

ROLE AND PROCESS

Documented campus conditions and created initial site and building massing in FormIt. Transitioned the model to Revit as an underlay, refining the design alongside stakeholder feedback. After finalizing the design, partnered with a team member to produce diagrams using Photoshop, Illustrator, and InDesign to illustrate existing conditions and proposed modernization.

EXISTING TRANSIT SERVICES



Legend

- Campus Boundary
- Bike Path
- Metro Train Station
- Metro Bus Stop

Metro Rail Routes

- Red Line
- Yellow Line
- Green Line

Metro Rail Routes

- E4, 80
- R1, R2
- K6, E2, F6, 60, 64

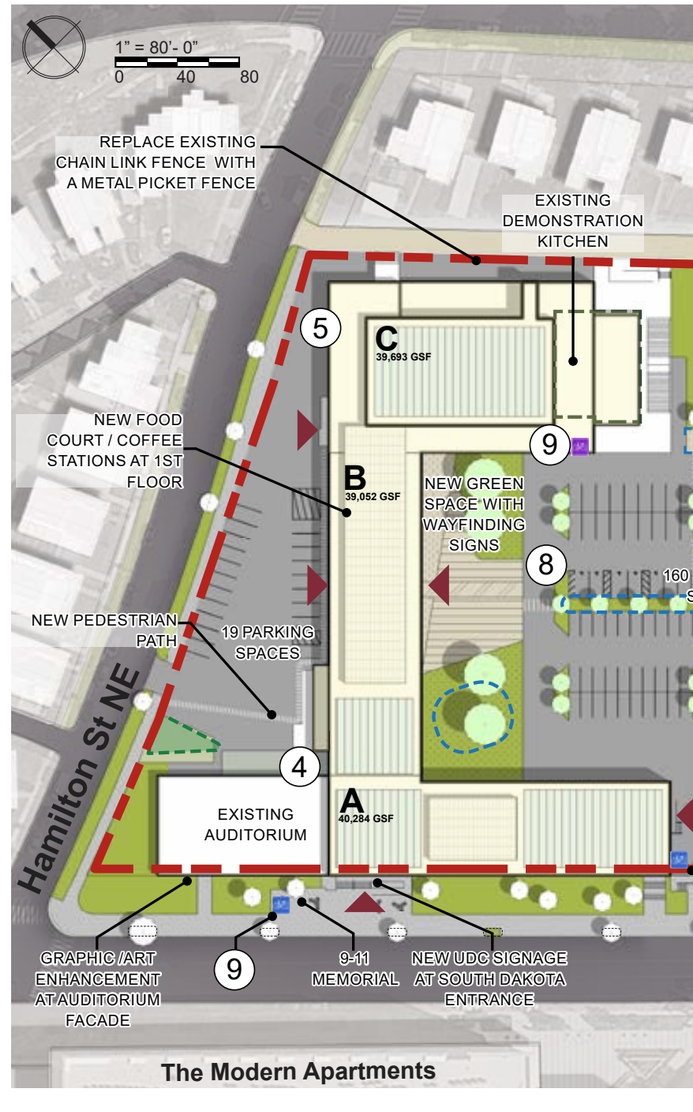
EXISTING CONDITIONS



Legend

- **A,B,C** Lamond-Riggs Campus Wings
- Campus Boundary
- 8' Metal Picket Fence On Concrete Retaining Wall
- 10' Chain Link Fence On Concrete Retaining Wall
- 10' Chain Link Fence
- Building Entry
- Existing Tree Canopy
- Existing Tree Box
- 1 Bio-Retention Area
- 2 Equipment Service Area
- 3 Outdoor Seating Terrace
- 4 Agricultural Plots
- 5 Green Houses
- 6 Existing Parking
- 7 Pocket Park / Ag Pod
- 8 Existing Single Family Residences
- 9 Existing Tree Box Callout

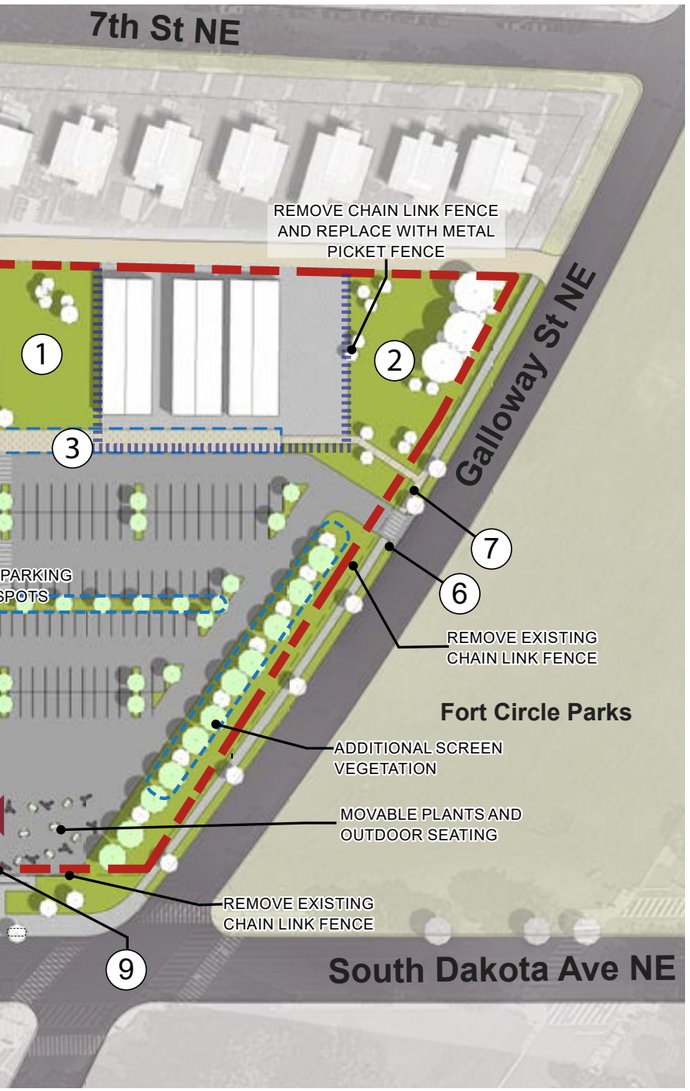
PROPOSED CAMPUS DEVELOPMENT P



Legend

- Campus Boundary
- Bio-Retention
- Existing Bio-Retention
- Photovoltaic Panels
- New Mechanical Penthouse
- Modernization
- Proposed Tree Canopy
- Existing Tree C
- Building Entry
- Short-Term Bi
- Short-Term (C
- Long-Term (C
- Overall Total E
- 1 Existing Green
- 2 Existing Pocke

HASE 1



Canopy

cycle Spaces - 48
overed) Bicycle Spaces - 16
overed) Bicycle Spaces - 17
Bicycle Spaces - 81
n Space
et Park

3 Existing Bio-Retention
4 Existing Equipment
5 Loading Service Area
6 Improved Vehicular Access
7 Access to Public Sidewalk
8 Drop Off / Pick Up Area
9 Bicycle Parking Signage

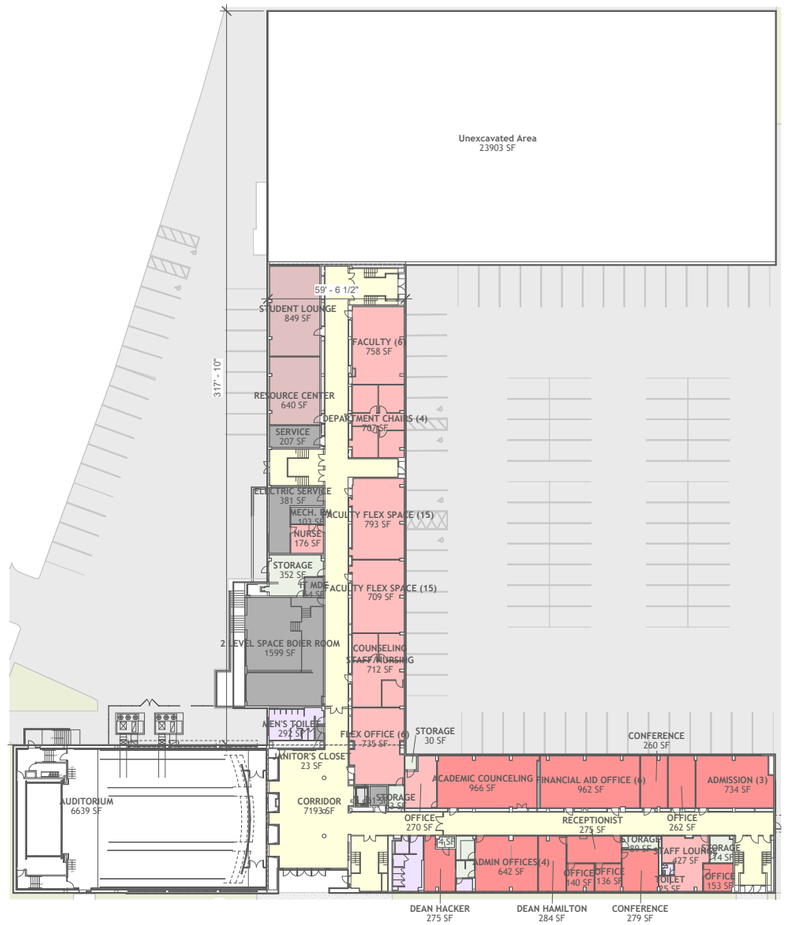
PROPOSED CAMPUS DEVELOPMENT PHASE 2



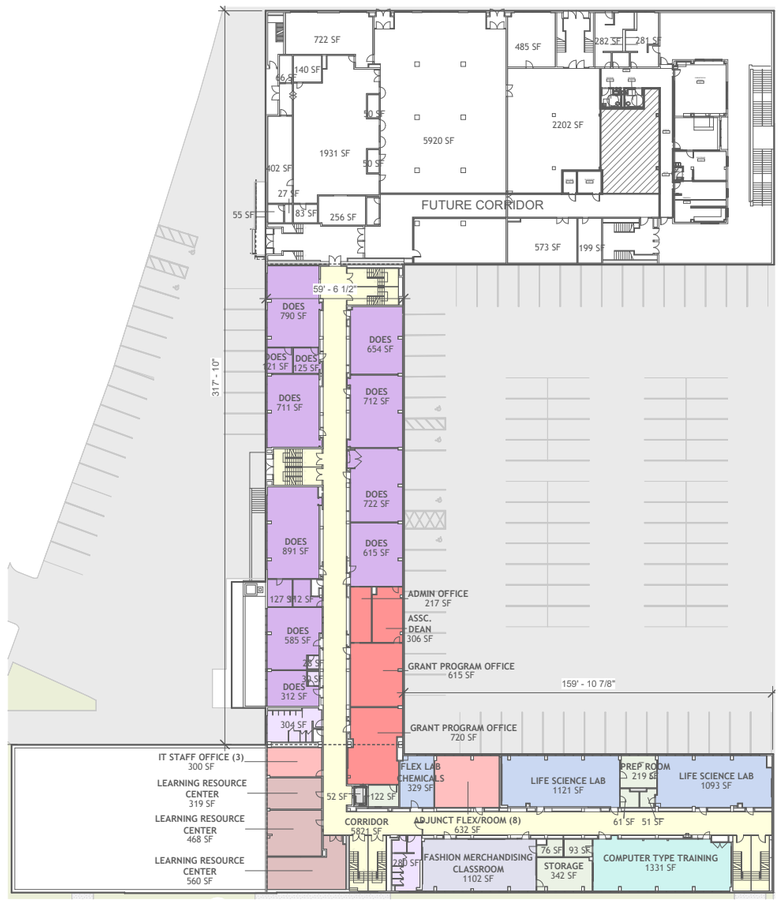
Legend

Campus Boundary
Bio-Retention
Existing Bio-Retention
Photovoltaic Panels
New Mechanical Penthouse
Green Roof
Proposed Tree Canopy
Existing Tree Canopy
Building Entry
Short-Term Bicycle Spaces - 68
Short-Term (Covered) Bicycle Spaces - 24
Long-Term (Covered) Bicycle Spaces - 25
Overall Total Bicycle Spaces - 117
1 Loading Service Area
2 Existing Demonstration Kitchen
3 New Metal Picket Fence
4 New Pocket Park with Outdoor Seating
5 New Additional Screen Vegetation
6 9-11 Memorial
7 Access to Public Sidewalk
8 Drop Off / Pick Up Area
9 Bicycle Parking Signage

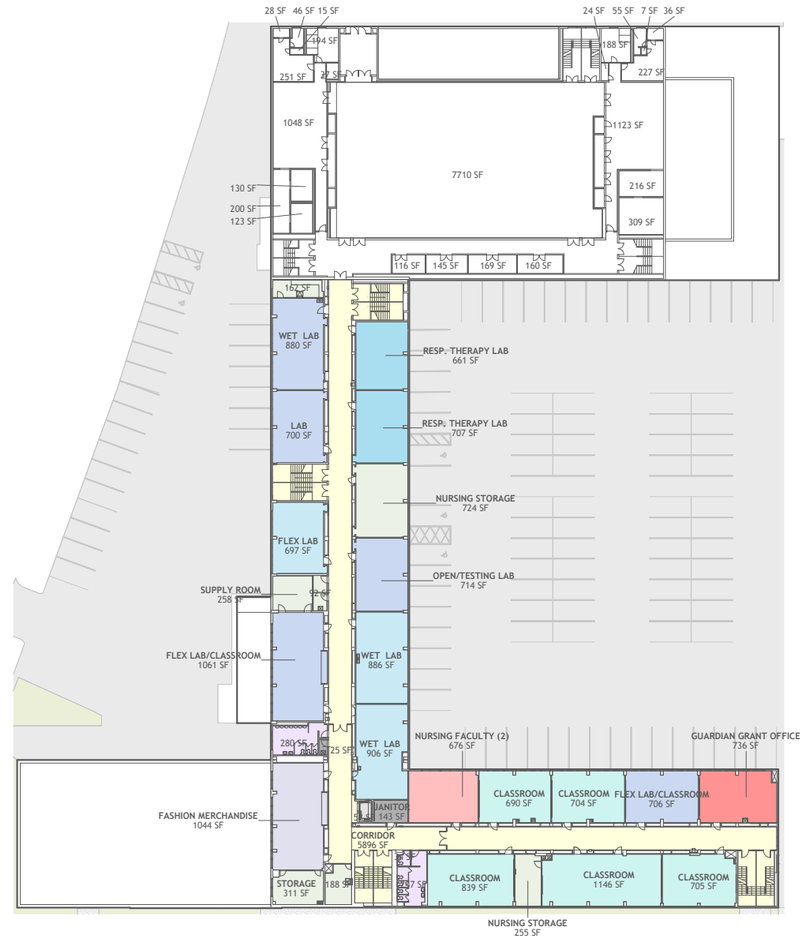
EXISTING PROGRAM



Level 1 - NTS



Level 2 - NTS



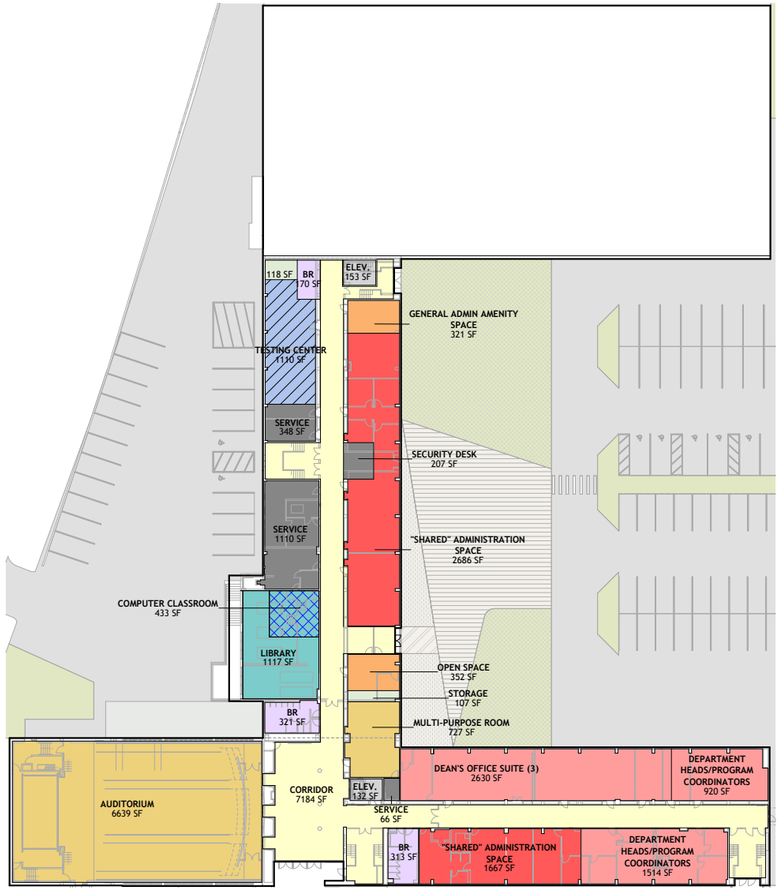
Level 3 - NTS

ADMIN · FACULTY · CLASS ROOM · LAB · RESPIRATORY THERAPY · NURSING · FASHION · CAUSES · AMENITIES · RESOURCE CENTER · MULTI PURPOSE · COLLAB SPACE · CAFETERIA · BATH ROOM · CIRCULATION · STORAGE · DOES · ELEVATOR · SERVICE

DEPARTMENT LEGEND

As part of the UDC's master plan, a programming analysis evaluated the existing department layout and optimized space. The university anticipates an increase in enrollment from 1,800 to 3,000 by 2030. The proposal modernizes the building through department consolidation, creating new student amenities and additional classroom space. The master plan was approved by the DC Zoning Commission in 2024.

PROPOSED PROGRAM



Level 1 - NTS



Level 2 - NTS



Level 3 - NTS

ADMIN
FACULTY
CLASS ROOM
LAB
LIBRARY SPACE
NURSING
CAUSES
AMENITIES
MULTI PURPOSE
COLLAB SPACE
CAFETERIA
STUDENT LOUNGE
BATH ROOM
CIRCULATION
STORAGE
ELEVATOR
SERVICE

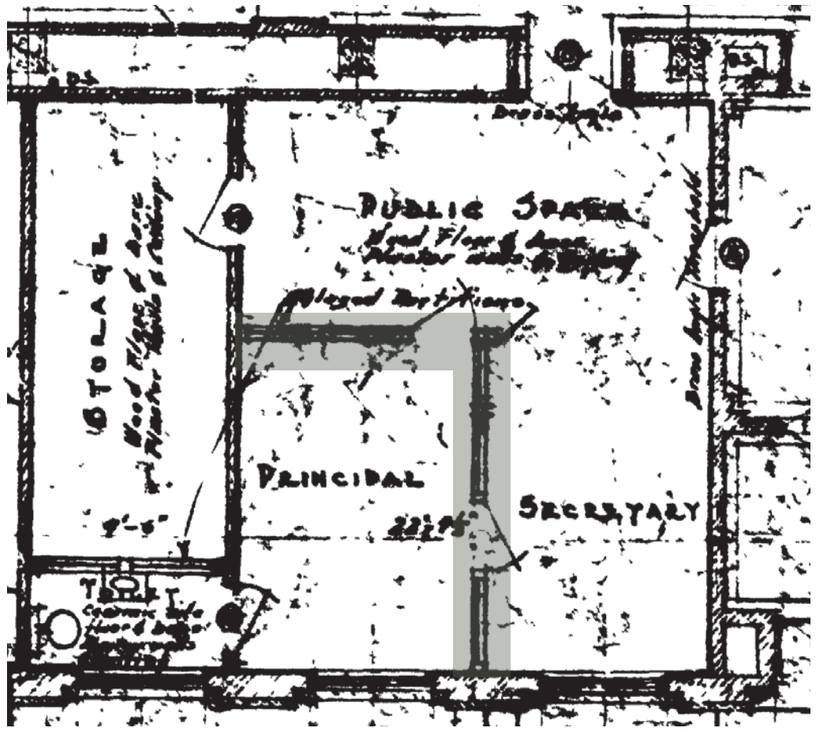
DEPARTMENT LEGEND

02 SCHOOL WITHOUT WALLS AT FRANCIS STEVENS STOREFRONT WALL RENOVATION

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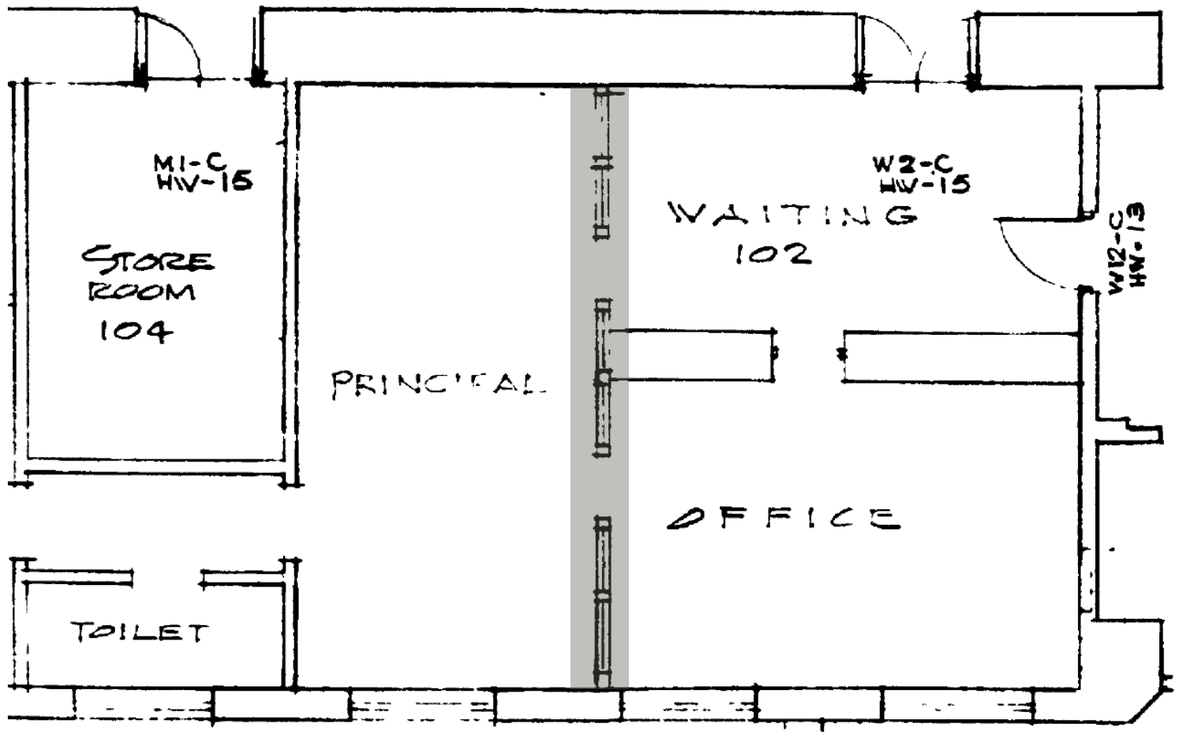
STOREFRONT WALL EVOLUTION AND PROCESS

The School Without Walls at Francis Stevens has undergone several renovations since its original construction in 1925. The *RMc* team was tasked
its historic character while meeting current spatial needs. Unlike most preservation projects, site documentation was not possible, as the wall had
Working with a project manager, I used the 1925 archival drawings and researched typical storefront assemblies. Using limited documentation, s
Historic Preservation Office, we developed a new storefront layout in Revit using detail lines. Once finalized, I supported drafting construction det
RFI and ASI responses during construction administration.



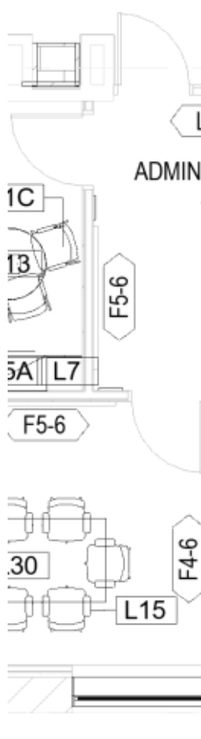
Source: D.C., DPW. Archives

1925



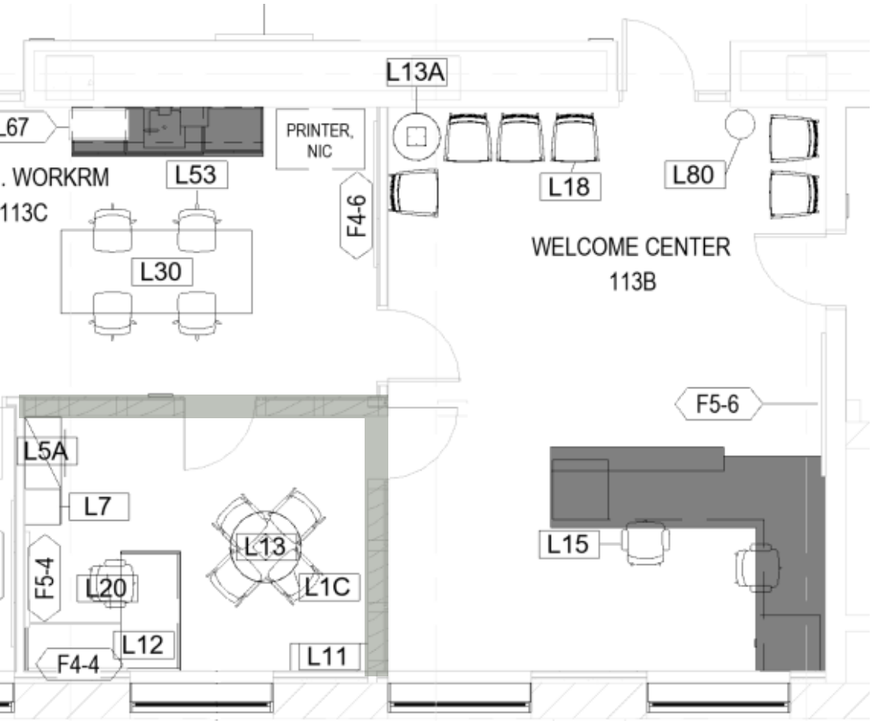
Source: D.C., DPW. Archives

1964



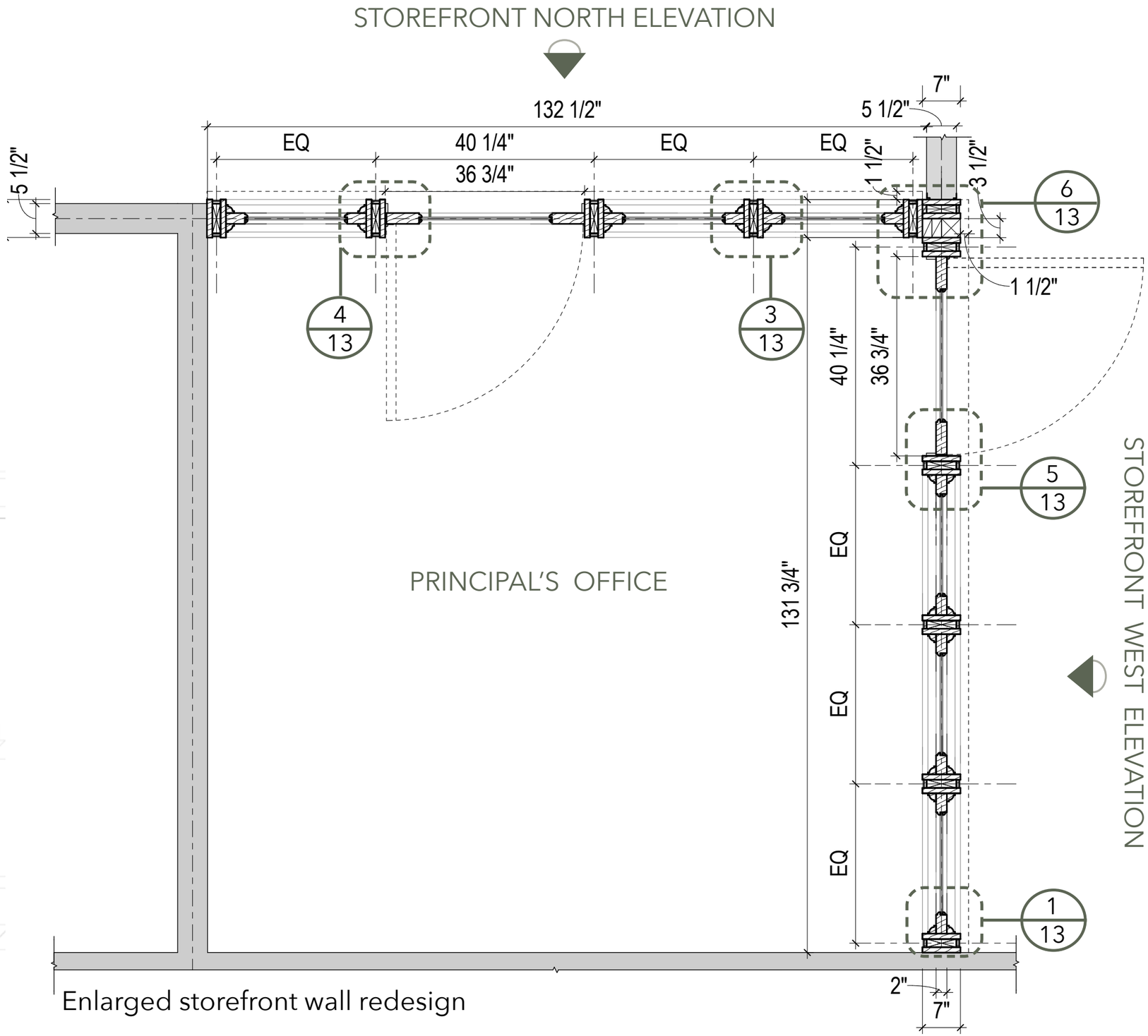
New storefr

with redesigning the storefront wall to reflect
been demolished before our visits.
chool feedback, and input from the DC
tails and later assisted in tracking and drafting



ont wall layout

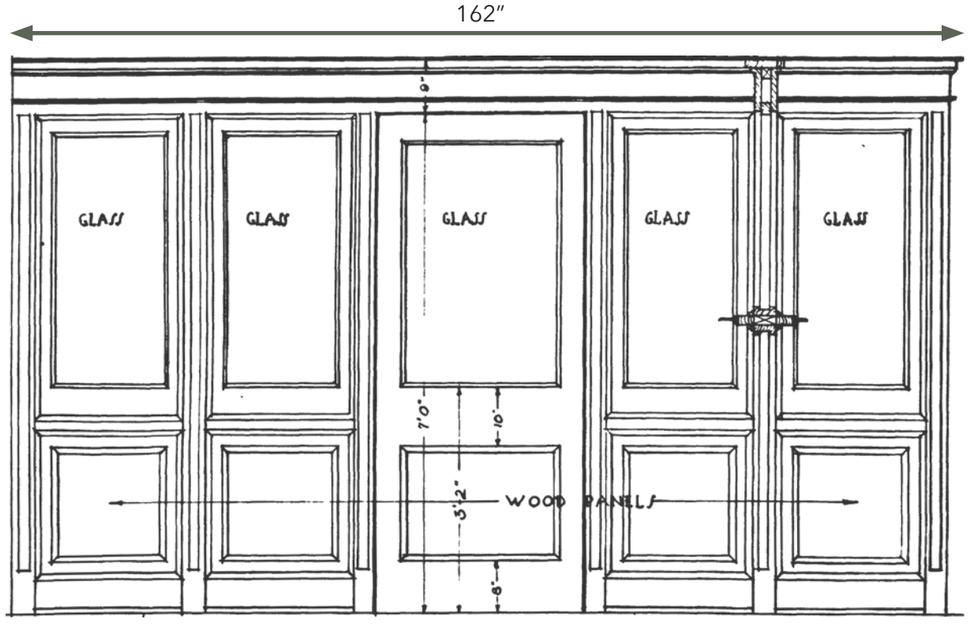
STOREFRONT NORTH ELEVATION



STOREFRONT WEST ELEVATION

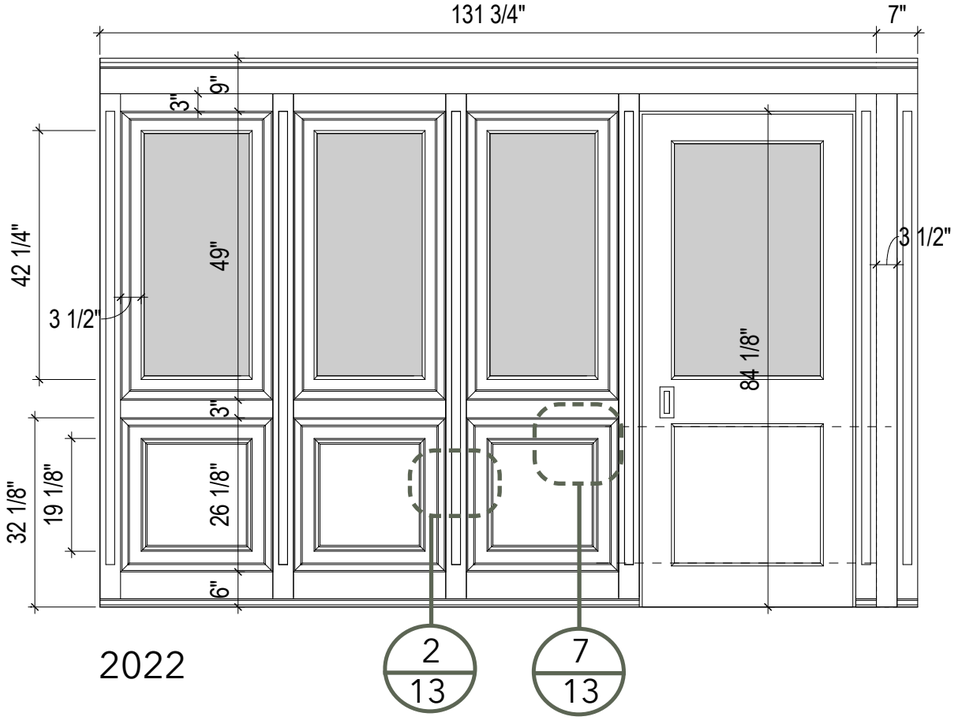
Enlarged storefront wall redesign

STOREFRONT WEST ELEVATION



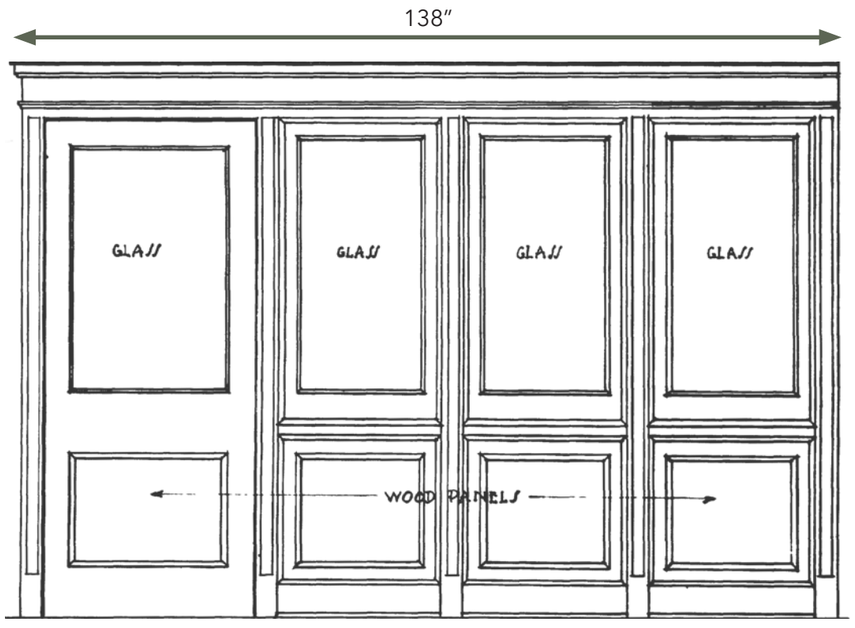
1925 - Source: D.C., DPW. Archives

STOREFRONT WEST ELEVATION



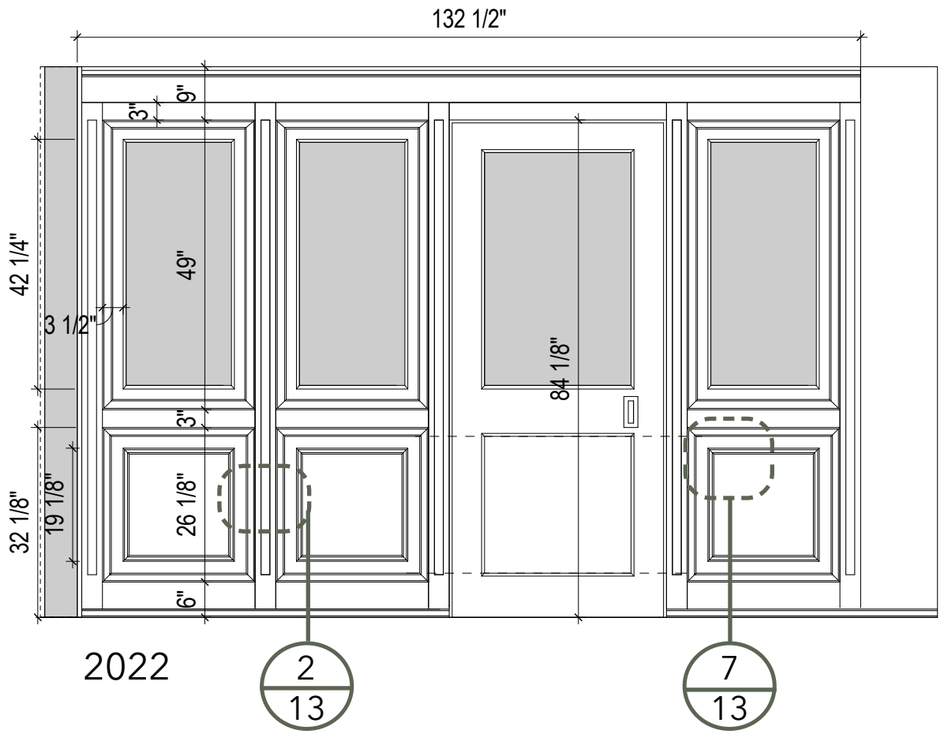
2022

STOREFRONT NORTH ELEVATION



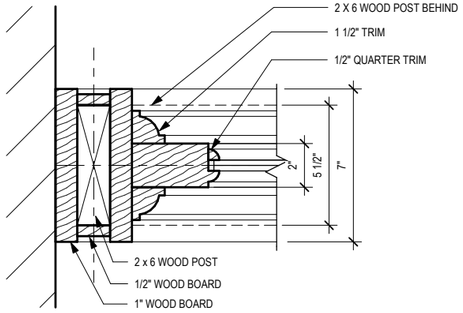
1925 - Source: D.C., DPW. Archives

STOREFRONT NORTH ELEVATION

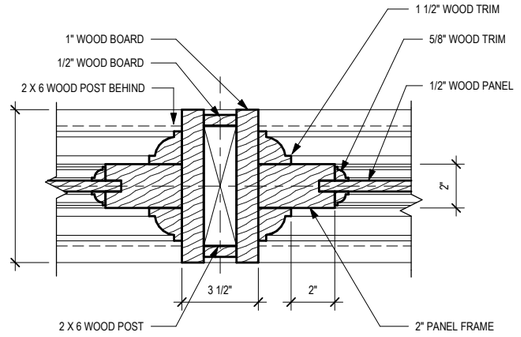


2022

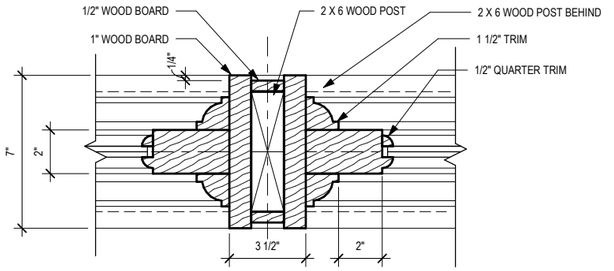
STOREFRONT DETAILS



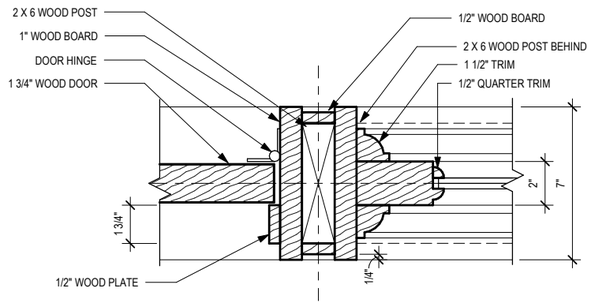
1 POST END



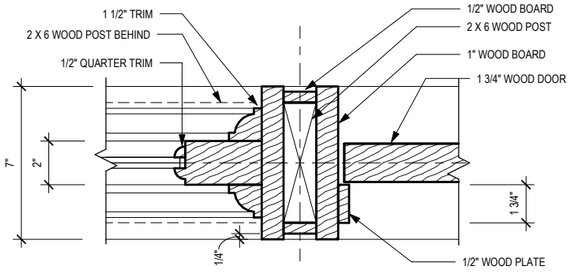
2 MIDDLE POST AT WOOD PANELS



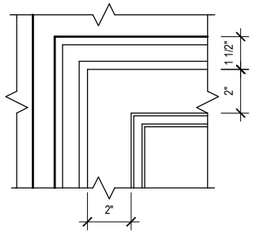
3 MIDDLE POST AT GLASS PANELS



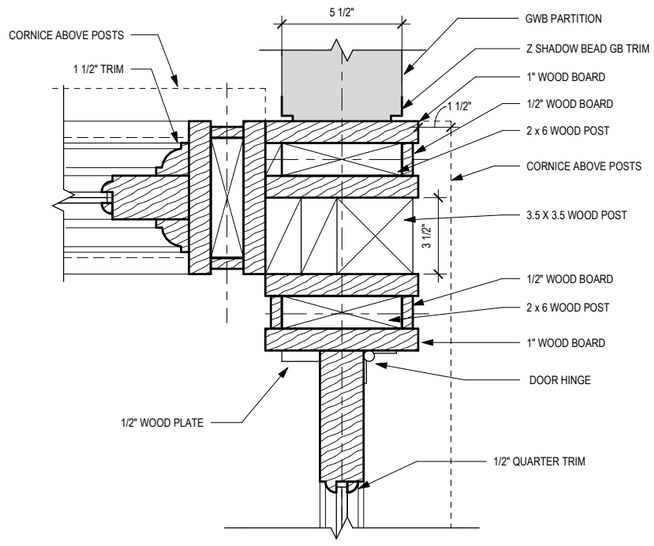
4 DOOR JAMB AT HINGED



5 DOOR JAMB AT SWING



7 PANEL TRIM



6 WOOD PARTITION CORNER DETAIL

03 BROWNE EDUCATION CAMPUS DOOR REDESIGNS

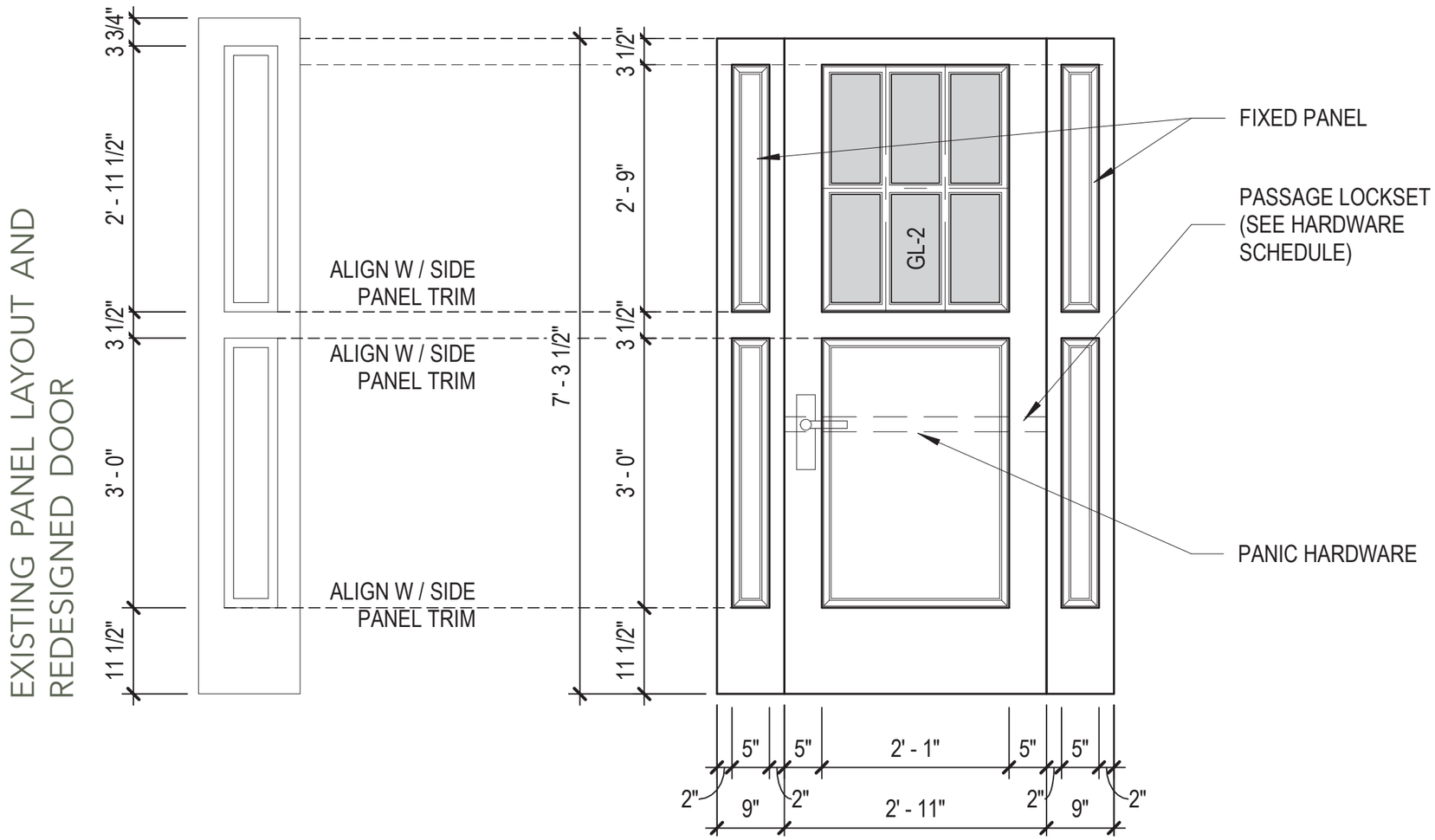
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AUDITORIUM DOOR





EXISTING DOOR AND SIDE PANEL



BACKGROUND

The Browne Education Campus blends eclectic elements reflecting renovations from 1932 to today. The RMc team was tasked with developing new door designs that preserved the rhythm and character of the historic panels. I visited the site to document the auditorium and main entry doors, including side panel dimensions. Working closely with a project manager, I drafted the redesigned doors in Revit.

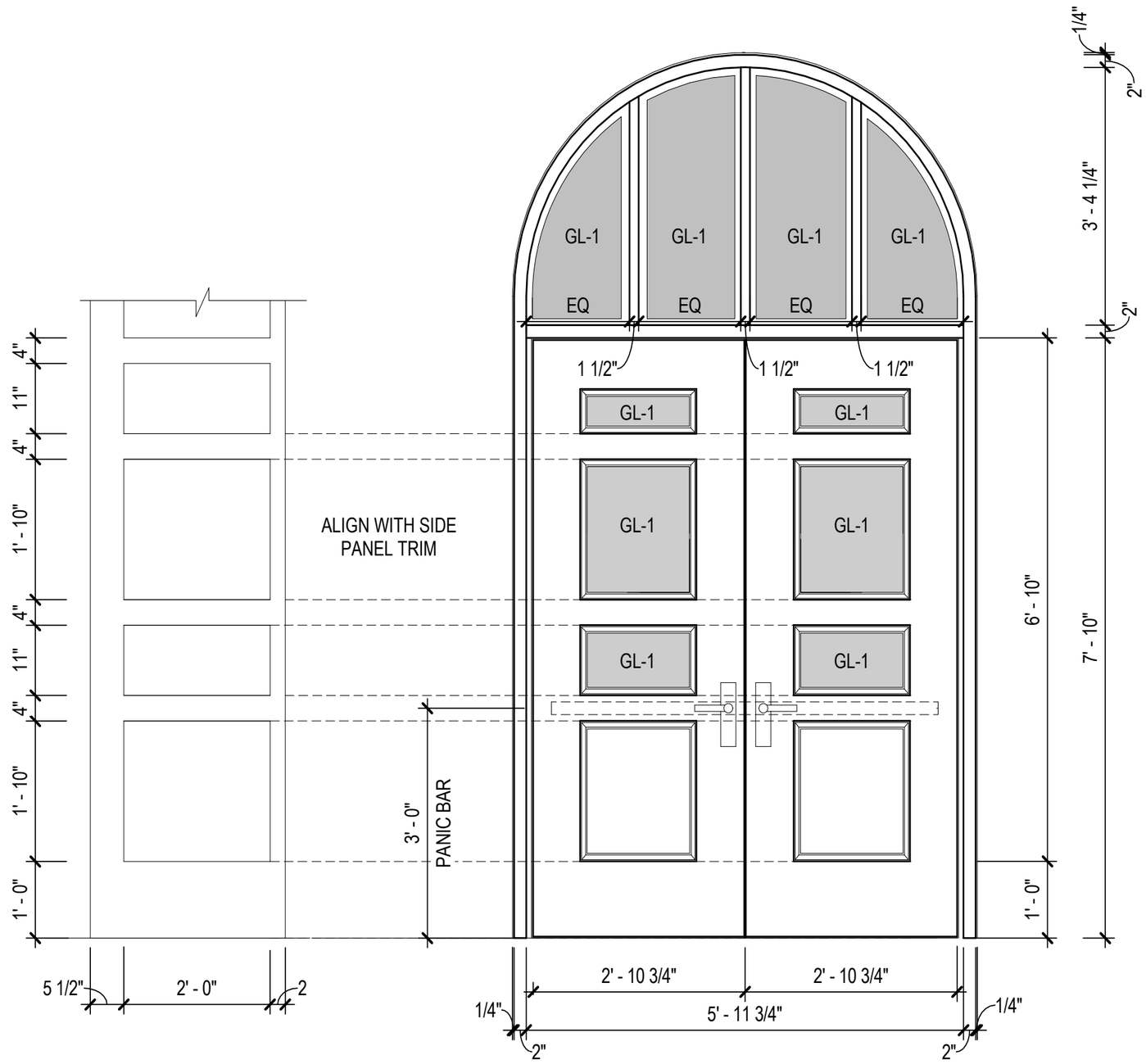
MAIN ENTRANCE DOOR





EXISTING DOOR AND SIDE PANEL

EXISTING PANEL LAYOUT AND REDESIGNED DOOR



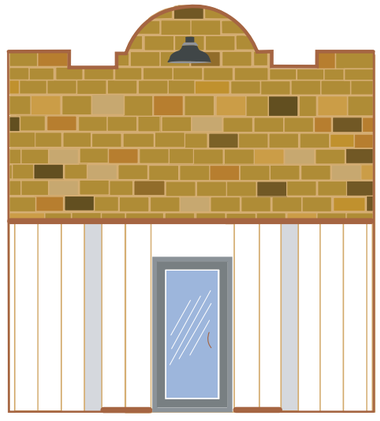
REDESIGN FEATURES

- Replacement of the flush pull handle with a more accessible lever door handle
- Alignment of new panels to the historic side panels
- Updated transom design, switching from a sunburst pattern to a more cost-effective vertical design

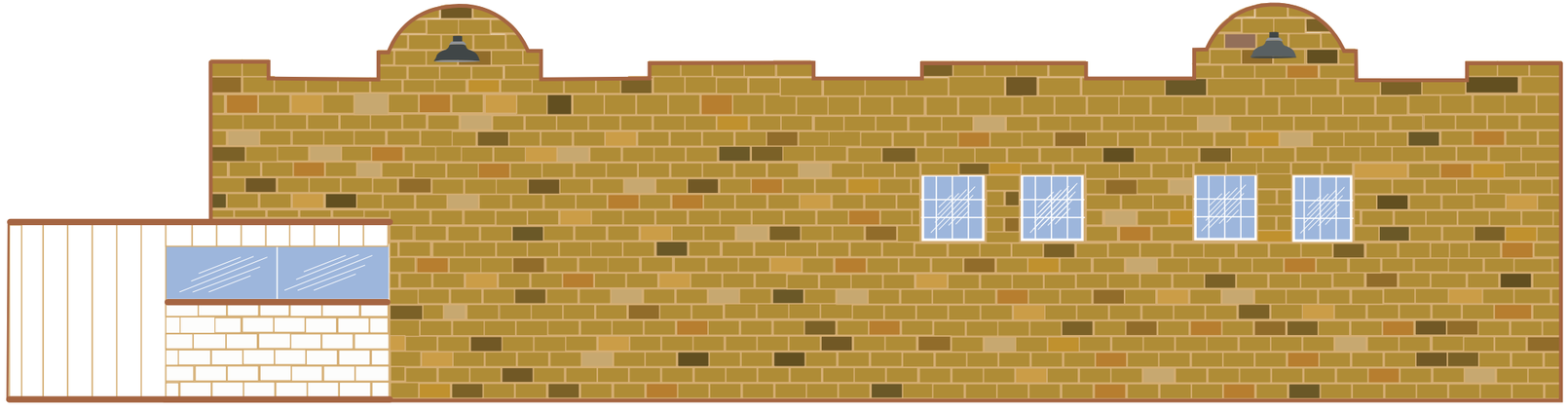
04 RIVIERA TAPAS FACADE STUDY

• 2021 • University of Maryland • Arch 408: Professor Newman

EXISTING EAST ELEVATION - NTS



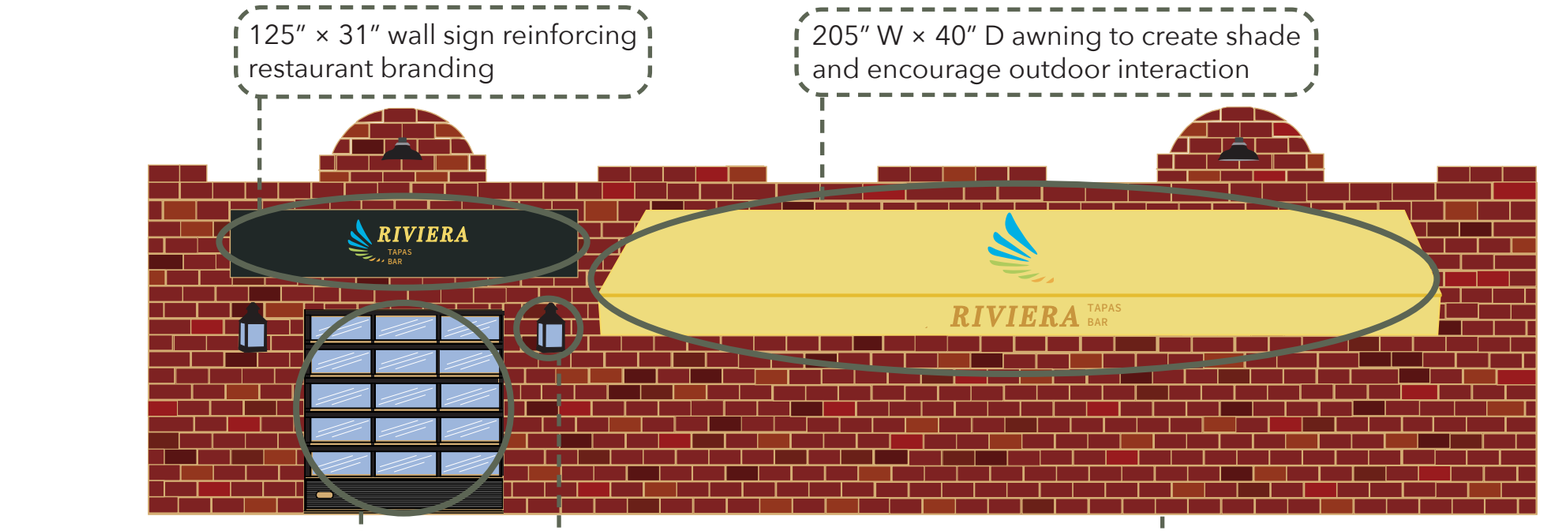
EXISTING NORTH ELEVATION - NTS



PROPOSED EAST ELEVATION - NTS



PROPOSED NORTH ELEVATION - NTS





BACKGROUND

The Riviera Tapas facade study proposes a redesign that enhances the restaurant's visual presence, inviting the community in and strengthening its connection to the surrounding context. Elevations were developed in Illustrator, and the rendering was produced from a Revit model along with Enscape and Photoshop.

05 COMPACT FOLLY

• 2020 • University of Maryland • Arch 400: Professor Donahue



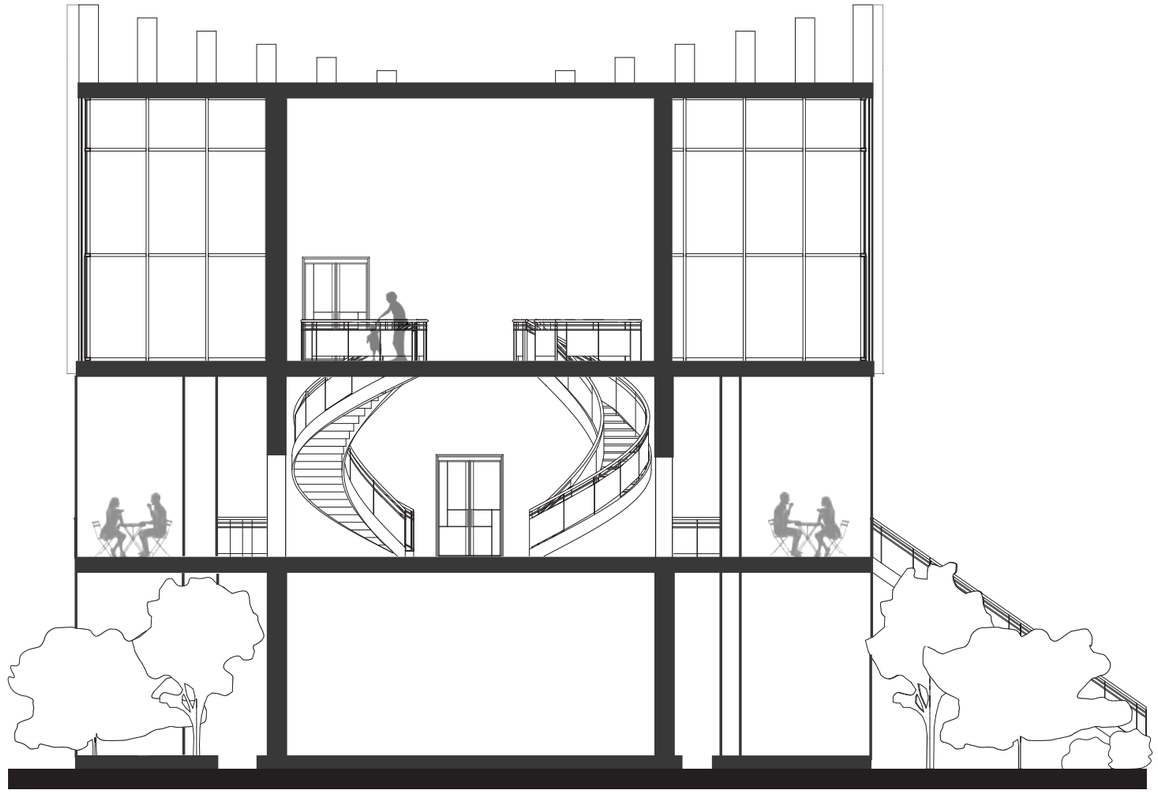


COMPACT FOLLY - MUSEUM CONCEPT

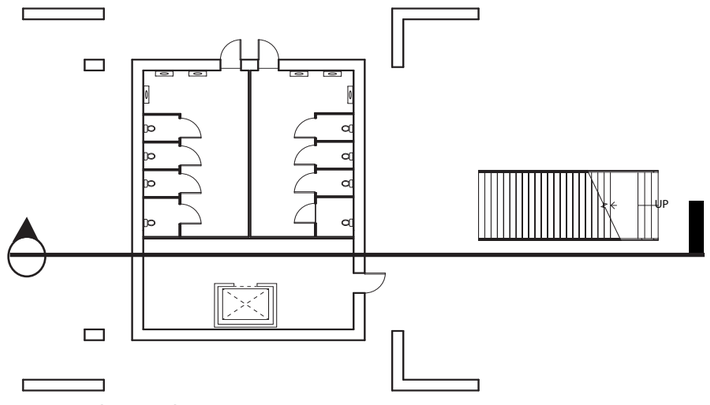
The Compact Folly draws inspiration from Native American architecture, particularly in its materiality and structural qualities. Terracotta and glass are paired to balance tradition with modernity. Designed as a public art gallery showcasing Pueblo artifacts, the first two floors feature outdoor spaces that encourage recreational activity, while the third floor is fully enclosed to house antiquities and exhibits. Drawings were developed in Revit, and renderings were produced using Enscape.



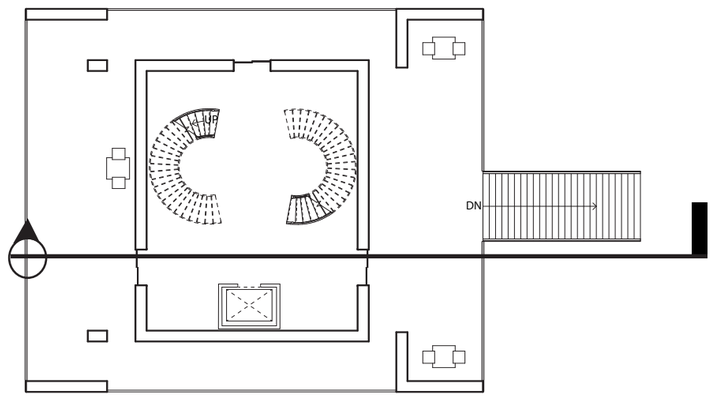
Elevation
3/32″ = 1′-0″



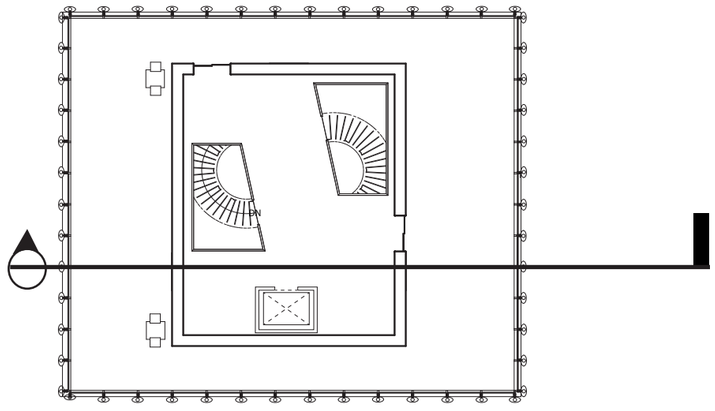
Section
3/32″ = 1′-0″



Level 1
1/25″ = 1′-0″



Level 2
1/25″ = 1′-0″

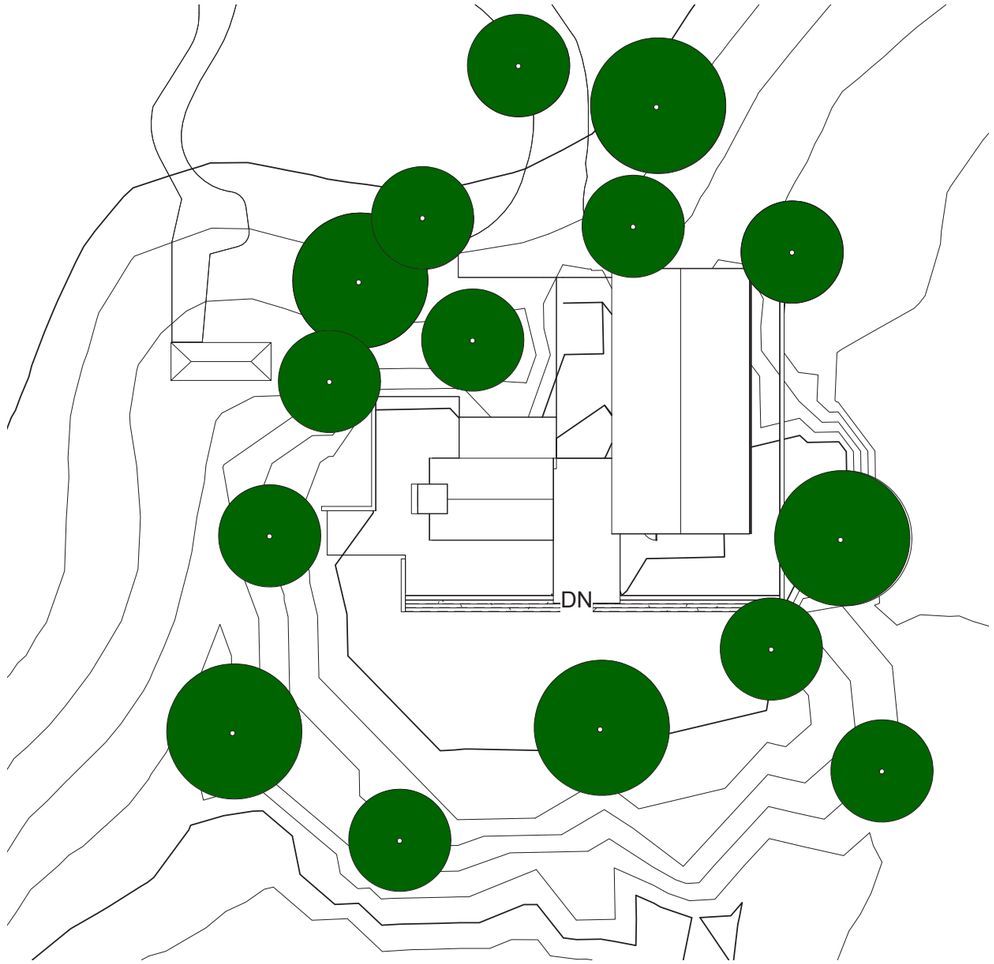


Level 3
1/25″ = 1′-0″

06 QUAHAUG POINT HOUSE BUILDING STUDY

• 2020 • University of Maryland • Arch 472: Professor Crawford





Site Plan
1” = 30’-0”

BACKGROUND

Completed as part of a Revit software course, this case study involved recreating the Quahaug Point House by *Estes Twombly + Titrington Architects*, located in Rhode Island. I recreated the Quahaug Point House as a case study, developing a full digital model, from topography and structure to all associated drawings. The project strengthened my understanding of BIM and rendering software. Drawings were created in Revit, with renderings produced using Enscape.

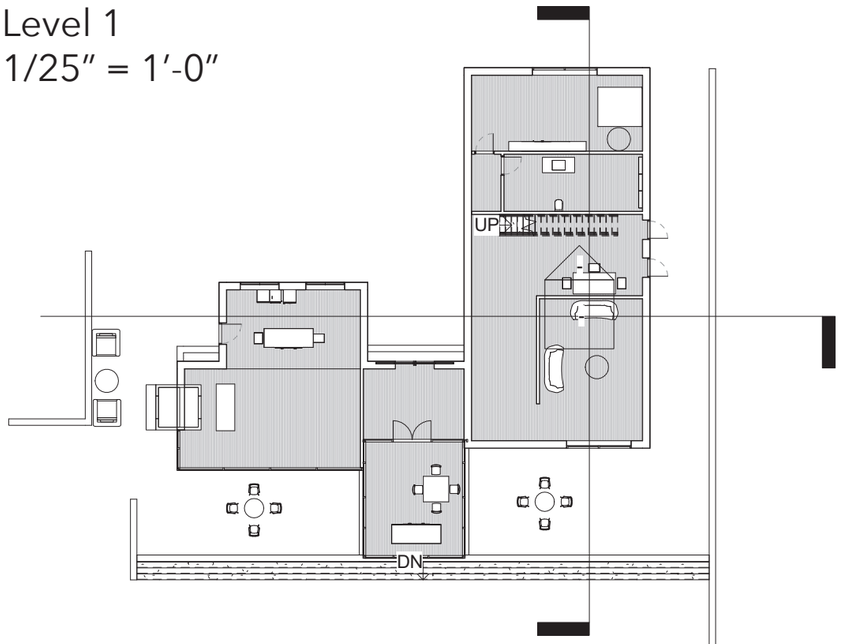


KEY FEATURES

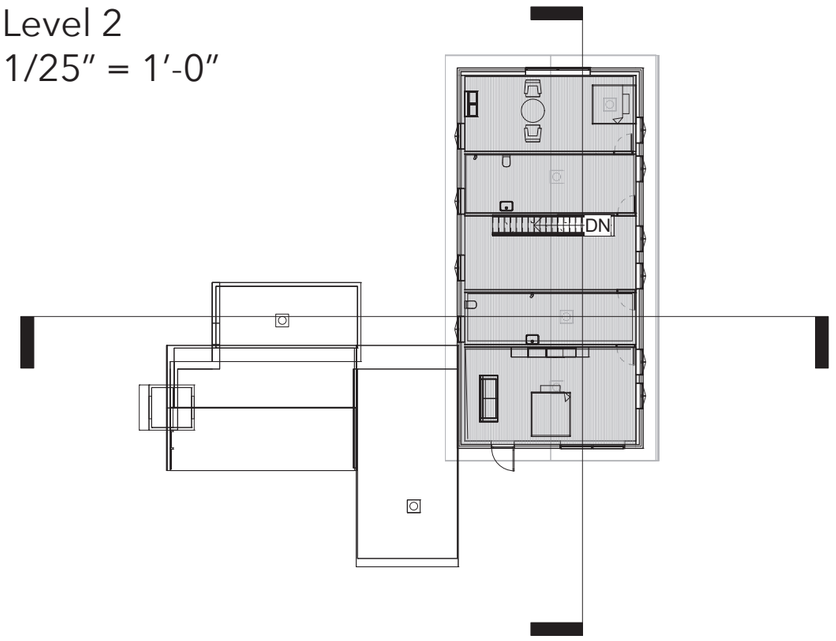
The Quahaug Point House features a distinctive island that combines wood and marble. As one of the home's defining elements, the island's integrated wine rack adds both functionality and character. Modeled in Revit.

EXPLORE INTERIOR VIEW

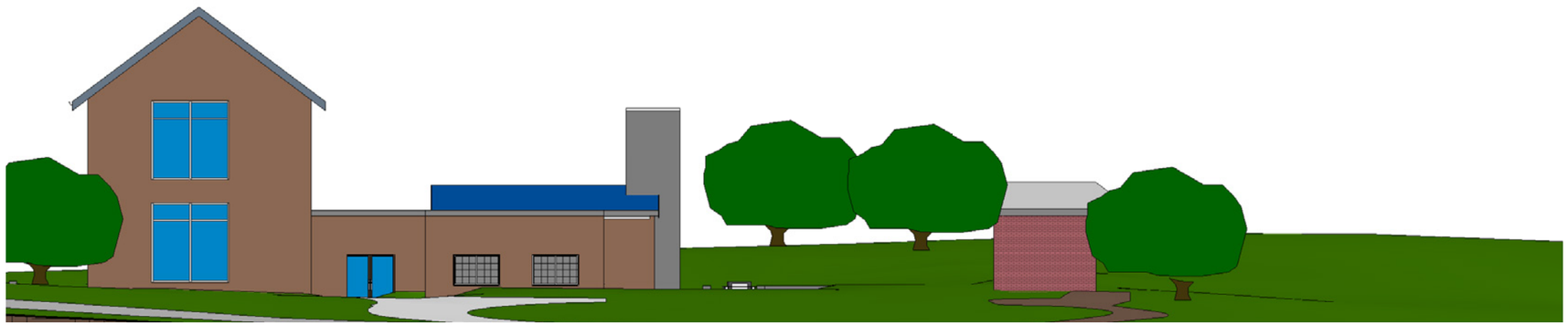
Level 1
1/25″ = 1′-0″



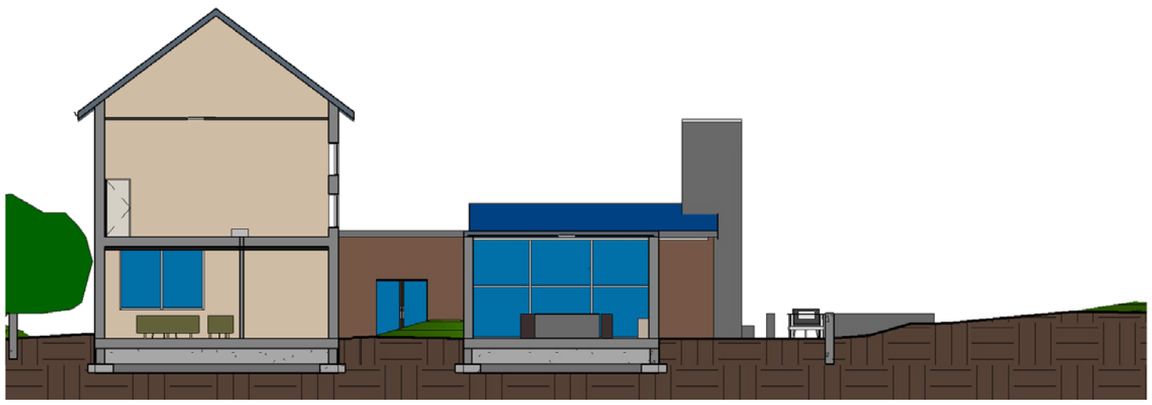
Level 2
1/25″ = 1′-0″



Quahaug Point House Elevation + Sections



North Elevation
1/16″ = 1′-0″

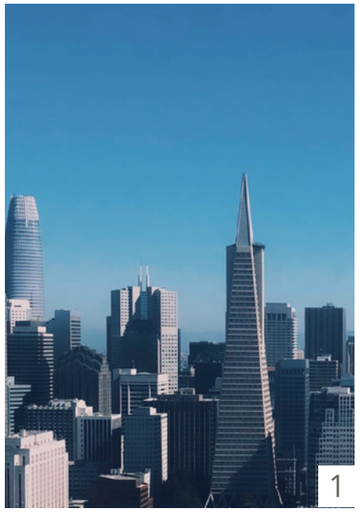


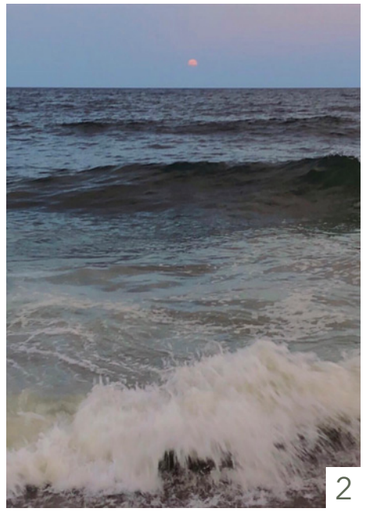
Longitudinal Section
1/16″ = 1′-0″

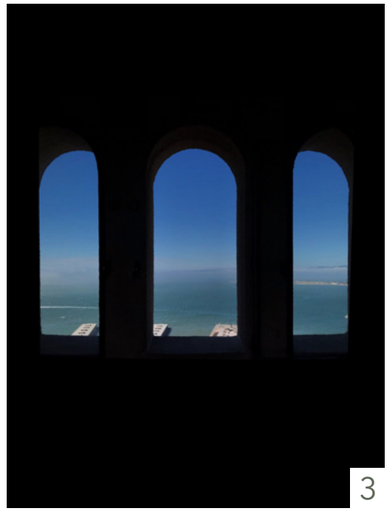


Cross Section
1/16″ = 1′ - 0″

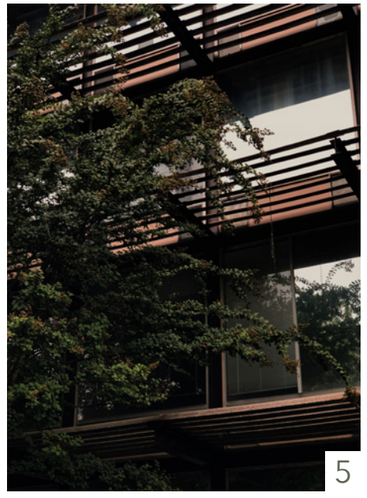
07 SKETCHES & PHOTOGRAPHY


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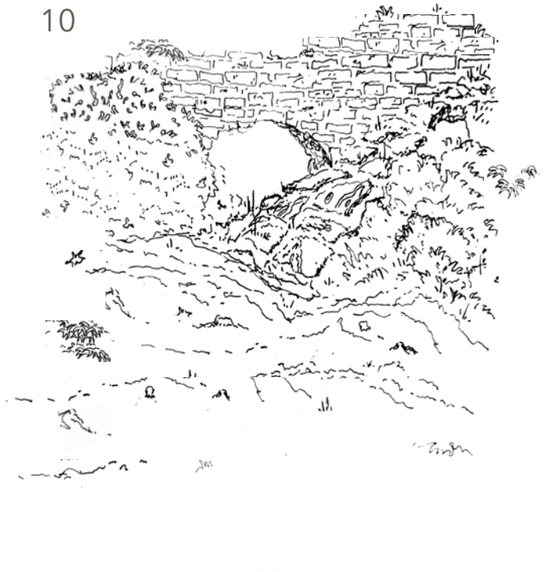

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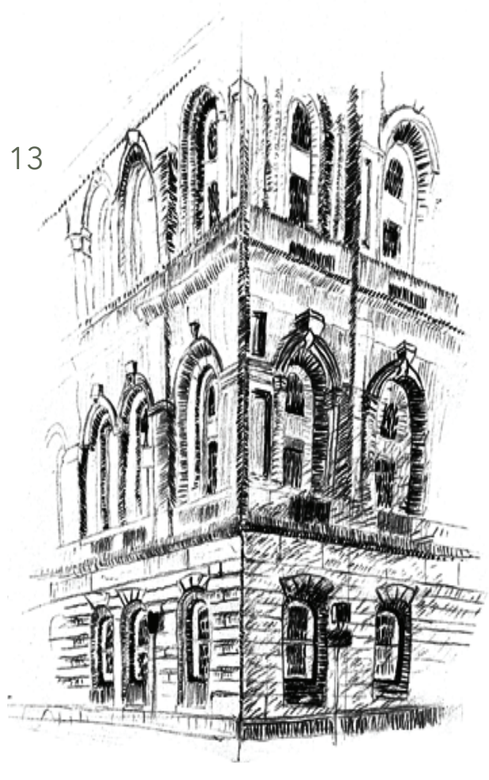

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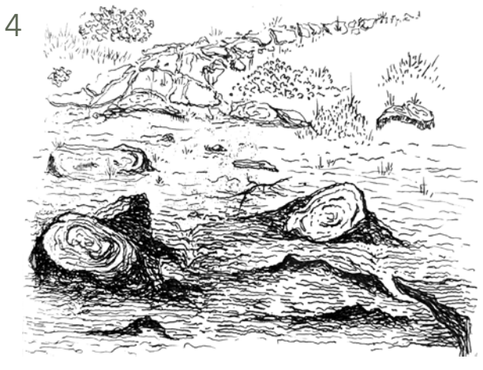

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1. San Francisco, CA, iPhone 8, 2019 | 2. Ocean City, MD, iPhone 8, 2019 | 3. San Francisco, CA, iPhone 8, 2019 | 4. Washington, DC, iPhone 8, 2019 | 5. College Park, MD, iPhone 8, 2018 | 6. Washington, DC, iPhone 14, 2025 | 7. College Park, MD, iPhone 8, 2019 | 8. San Francisco, CA, iPhone 8, 2019 | 9. College Park, MD, iPhone 8, 2019 | 10. Grassy View, ink on paper, 2024 | 11. White Mosque, ink on paper, 2018 | 12. White Mosque Draft, ink on paper, 2018 | 13. Baltimore City, graphite on paper, 2018 | 14. Skipping Stones, ink on paper, 2025