

A photograph of the Marriner S. Eccles Building, a large, classical-style stone building with a prominent portico and columns. In the foreground, a large, dark, circular fountain with water cascading over its edge is visible. The scene is set outdoors with green trees and landscaping. An American flag is visible on a pole in the background.

MARRINER S. ECCLES BUILDING AND FEDERAL RESERVE BOARD-EAST BUILDING RENOVATION AND EXPANSION

SECTION 106 CONSULTATION

OCTOBER 27, 2020



FORTUS

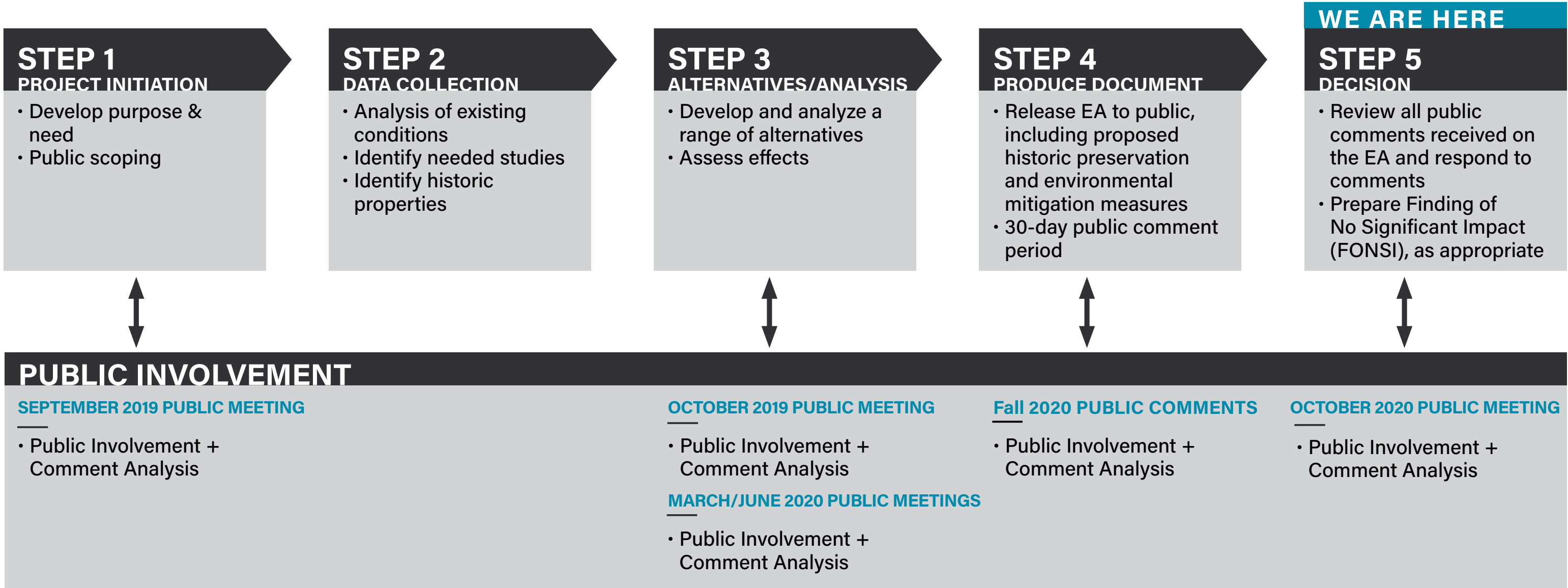


MARRINER S. ECCLES BUILDING

- Welcome and Introductions
- Meeting Purpose
- Process Update
- Design Update
- Next Steps and Timeline
- Open Discussion and Comments

MEETING AGENDA

PROCESS UPDATE



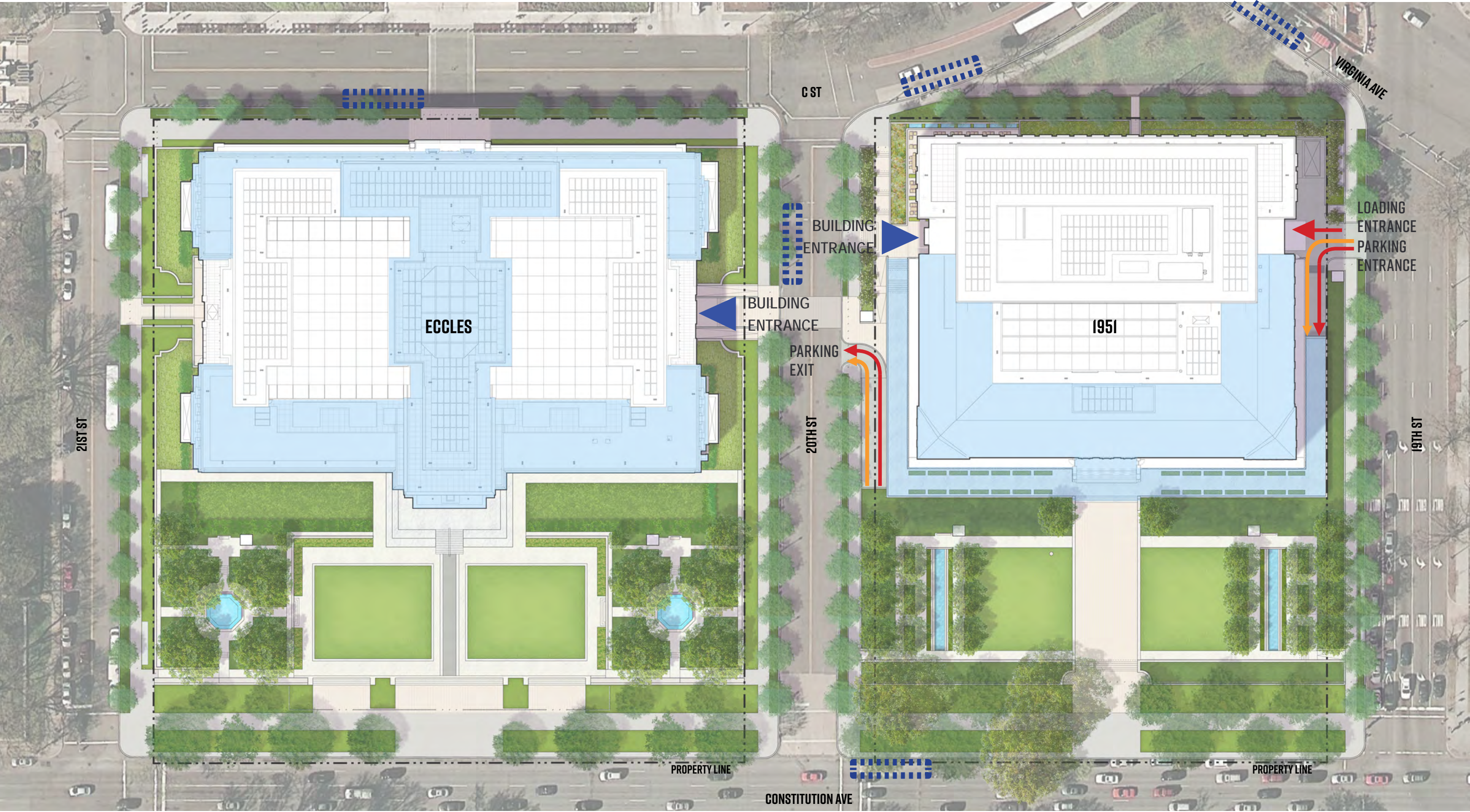
PROCESS UPDATE



AGENCY	MILESTONE	OUTCOME
CFA	Informational Hearing, November 21, 2019	
NCPC	Concept Design Review, December 5, 2019	Approval of the concept design proposal
CFA	Concept Hearing, January 16, 2020	Approval of the general massing and site improvements
CFA	Revised Concept Hearing, May 21, 2020	Approval of the concept design for the overall project site/landscape and the Eccles Building
CFA	Revised Concept Hearing, July 16, 2020	Approval of the concept design for the FRB-East Building
NCPC	Preliminary Design Review, October 1, 2020	Approval of the preliminary design proposal
NCPC	Final Review, Spring 2021	
CFA	Final Review, Spring 2021	

**DESIGN
UPDATE**

GARAGE & BIKE ACCESS



- VEHICLE PATH
- BIKE PATH
- BUILDING ENTRANCE
- EXISTING BUILDING
- BUS STOP

PROPOSED SITE PLAN

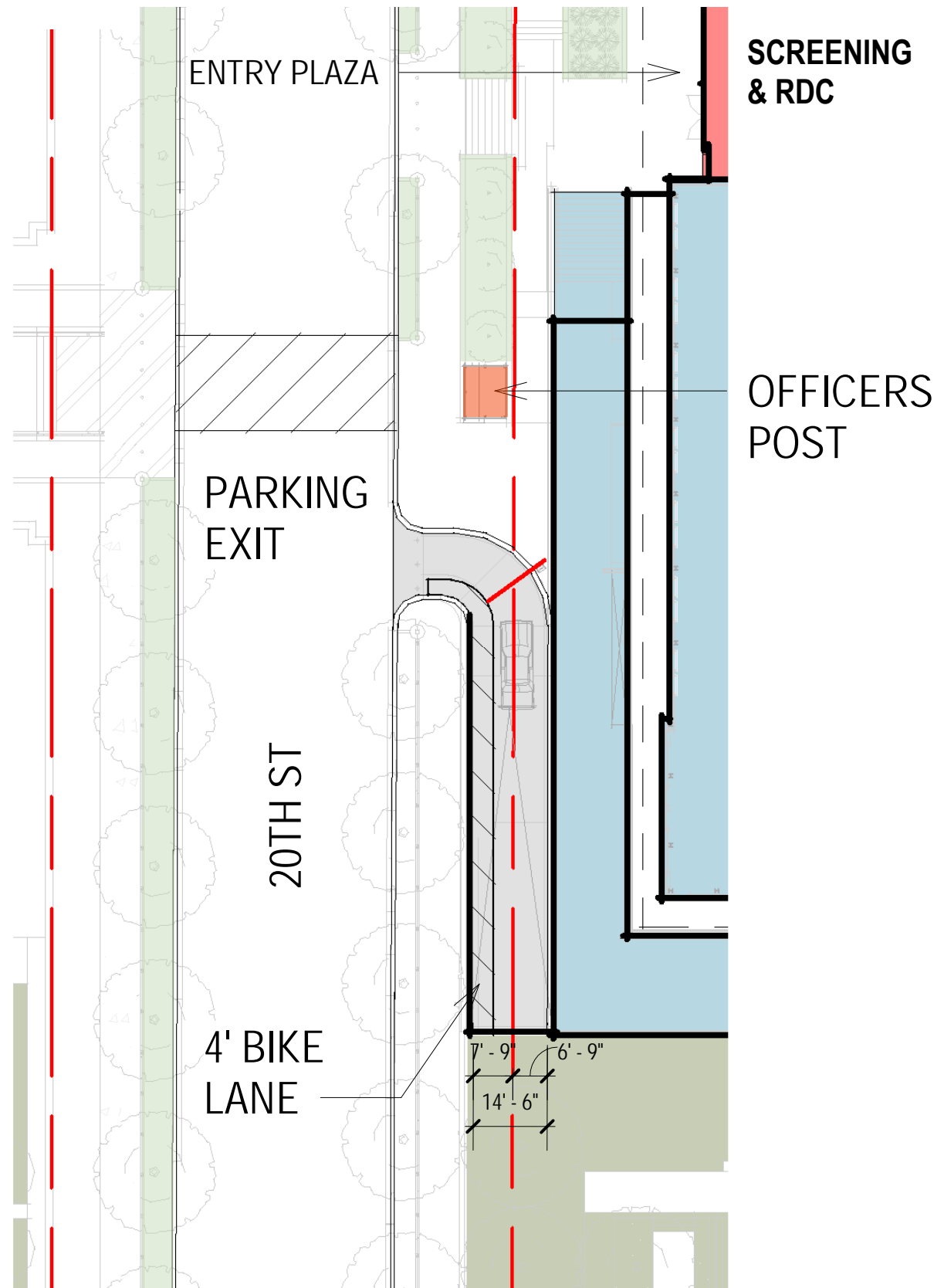


FRB-EAST ENTRANCE ON 20TH STREET

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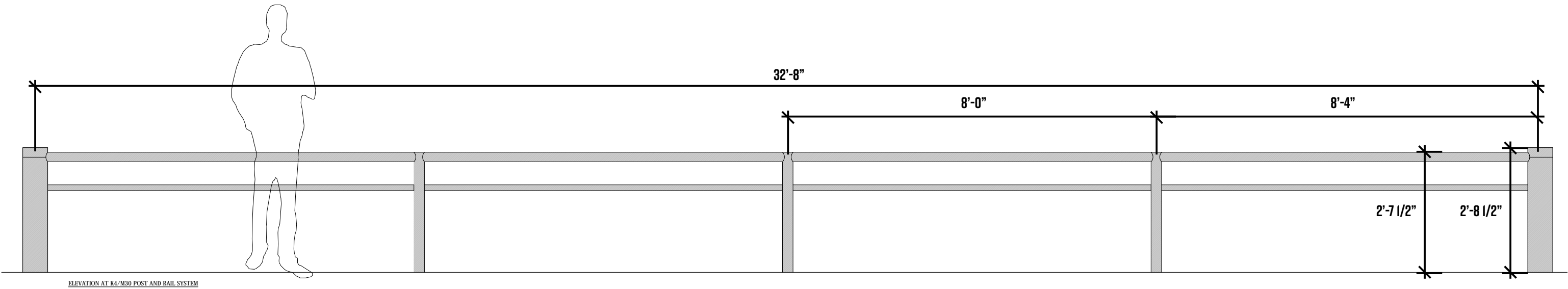
EXISTING BUILDING PARKING, LOADING SOUTH LAWN

10.5' PARKING RAMP WITH 4' BIKE LANE LEVEL C1

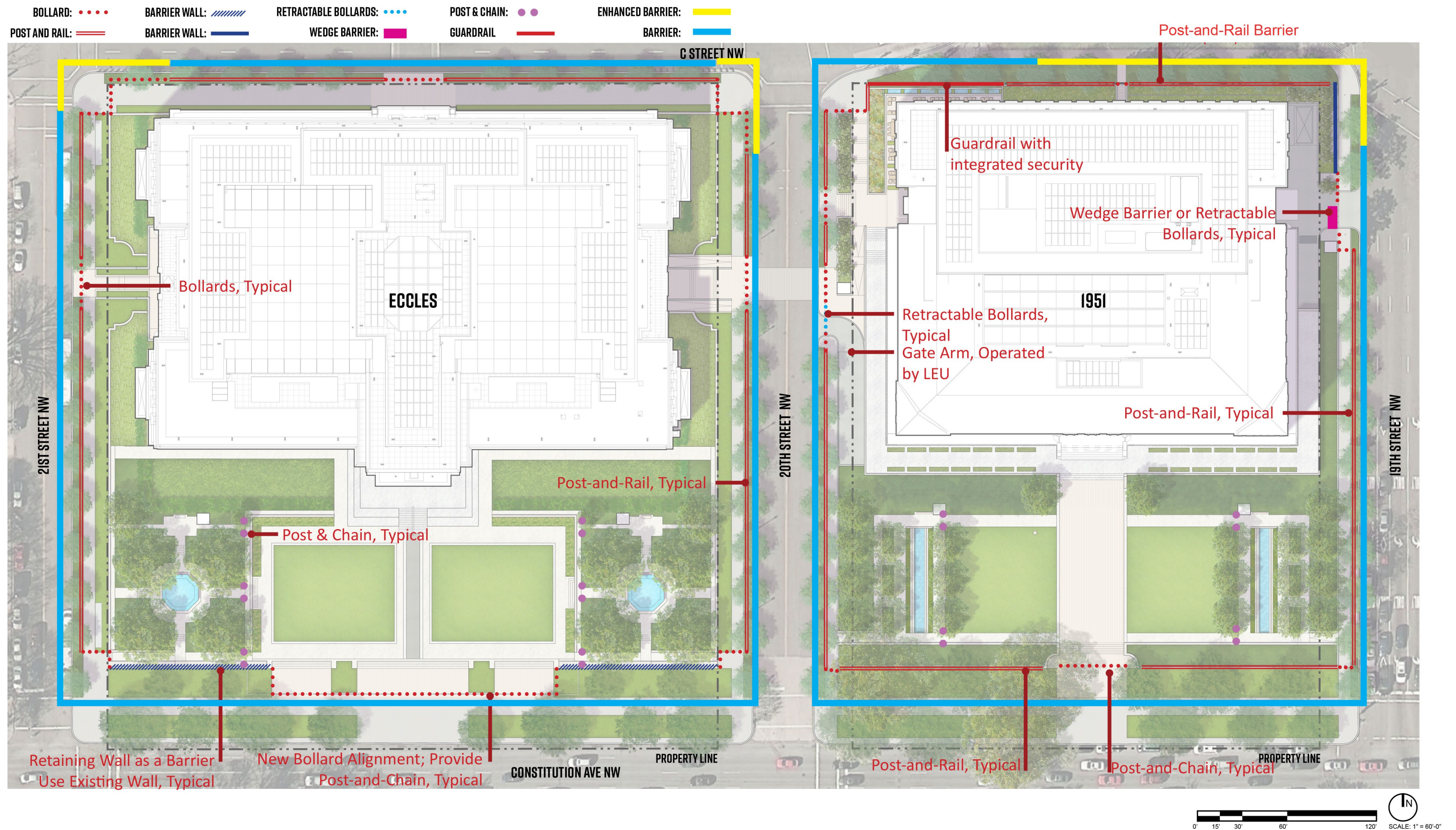


10.5' PARKING RAMP WITH 4' BIKE LANE SECTION

PERIMETER SECURITY



PERIMETER SECURITY POST AND RAIL SYSTEM - DEPARTMENT OF COMMERCE

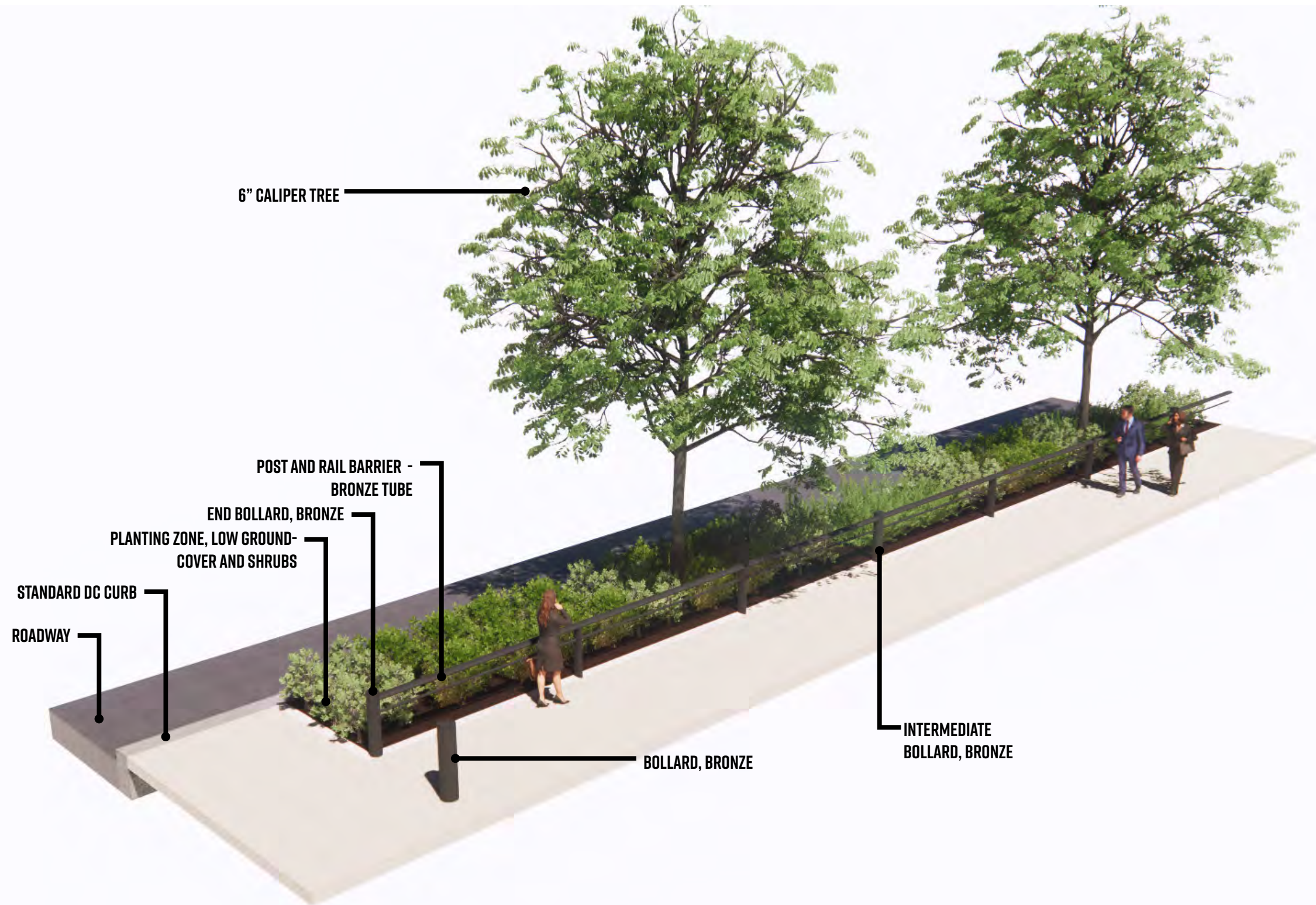


SITE SECURITY DIAGRAM POTENTIAL REVISIONS

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PERIMETER SECURITY POST AND RAIL SYSTEM



PERIMETER SECURITY WALL, POST AND RAIL SYSTEM W/ BOLLARDS AT VULNERABLE CORNERS | OPT 4



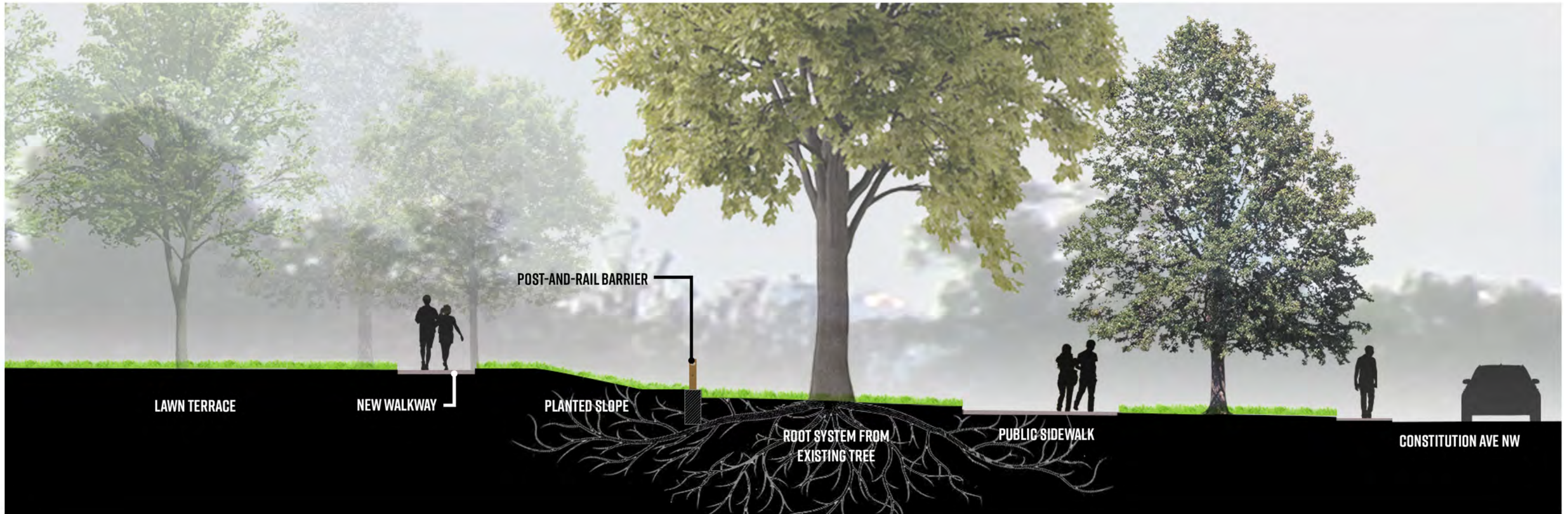
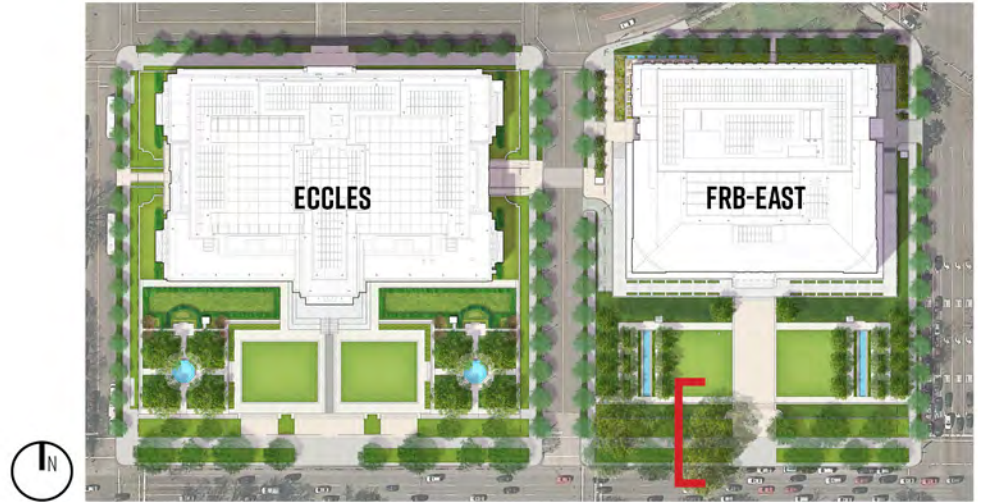
PERIMETER SECURITY WALL, POST AND RAIL SYSTEM W/ BOLLARDS AT CORNERS | OPT 4



PERIMETER SECURITY BOLLARD SYSTEM AND POST AND RAIL SYSTEM AT CORNERS | OPT 5

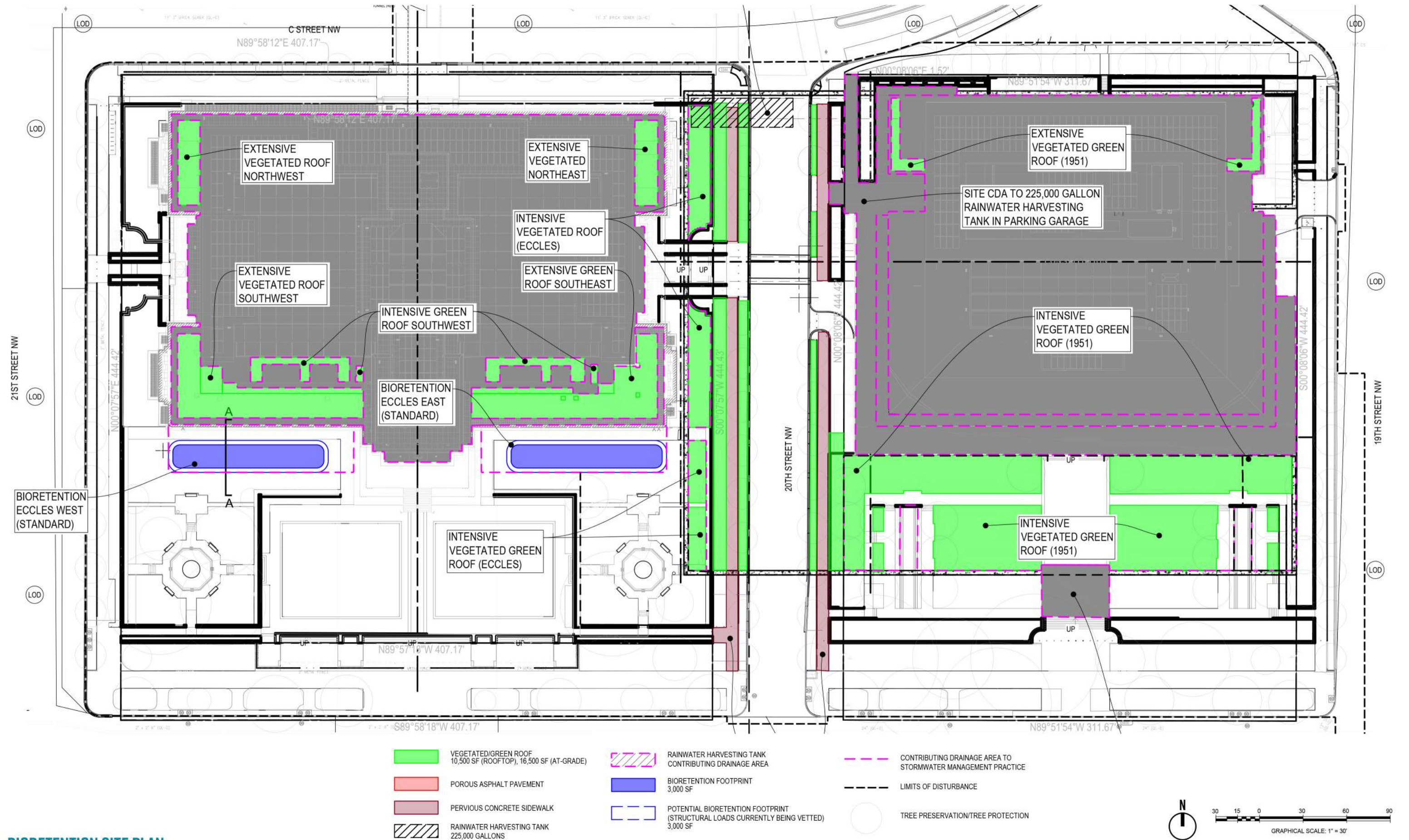


PERIMETER SECURITY BOLLARD SYSTEM AND POST AND RAIL SYSTEM AT CORNERS | OPT 5



FRB-EAST BUILDING CONSTITUTION AVE NW SECTION - NORTH/SOUTH | PROPOSED SITING OF BOLLARDS AND RAILS

BIORETENTION



BIORETENTION SITE PLAN

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Perspective Rendering

BIORETENTION SOUTH OF ECCLES

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ECCLES OVERBUILD



ECCLES INFILLS AND OVERBUILD CURRENT

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ECCLES INFILLS AND OVERBUILD 12" OUT-OF-PLANE OFFSET (INVERSE)



ECCLES INFILLS AND OVERBUILD 12" OUT-OF-PLANE OFFSET (INVERSE)

ECCLES SKYLIGHT



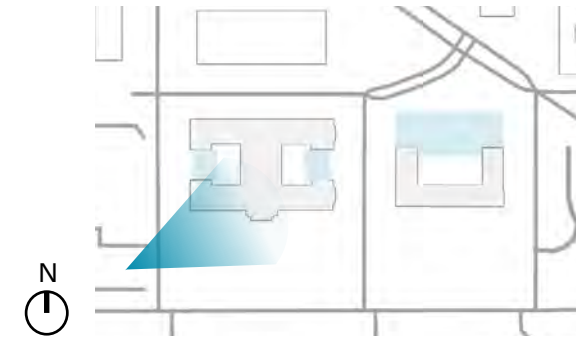
AERIAL VIEW SKYLIGHT AT LEVEL 5

AERIAL VIEW SKYLIGHT AT LEVEL 5

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ECCLES SKYLIGHT VIEW FROM 21ST STREET



DOUBLE HEIGHT BRONZE WINDOWS W/ ALBERENE STONE SPANDREL PANELS



BRONZE RAILING DETAIL



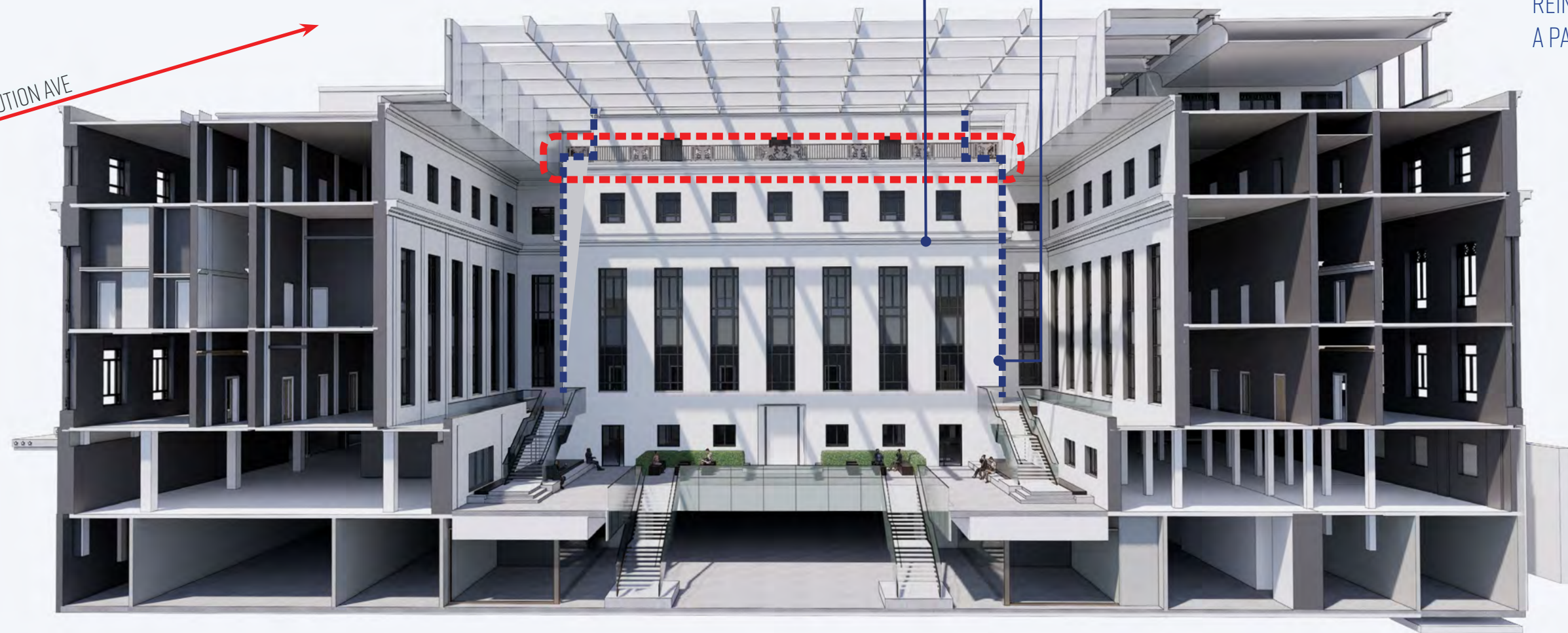
CORNICE (WHITE GEORGIA MARBLE)

CHARACTER DEFINING FEATURES

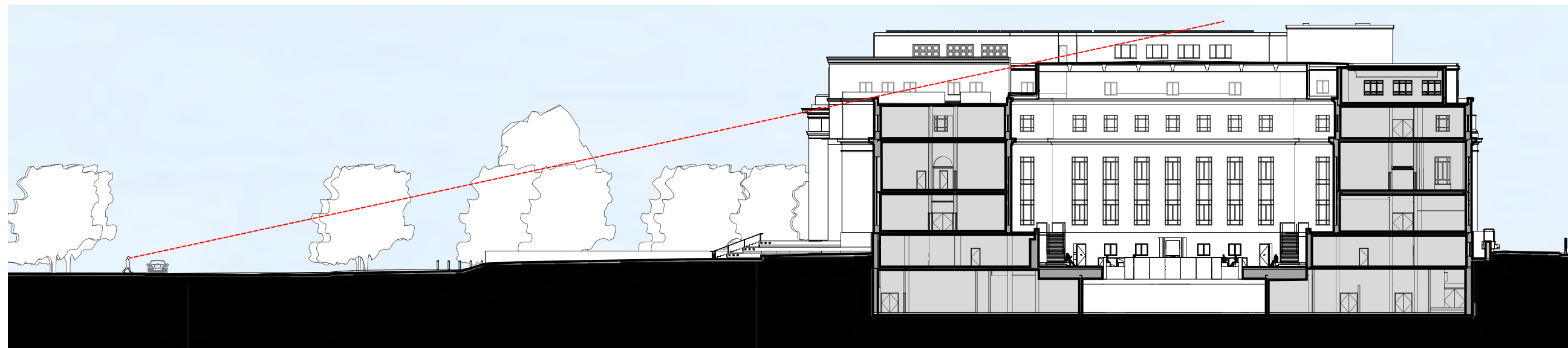
VISIBLE FROM CONSTITUTION AVE

SAVE HISTORIC ELEMENTS

REINFORCED CENTER WING AS
A PAVILION



SECTION PERSPECTIVE THROUGH EAST COURTYARD



SITE SECTION FROM CONSTITUTION AVENUE THROUGH ECCLES

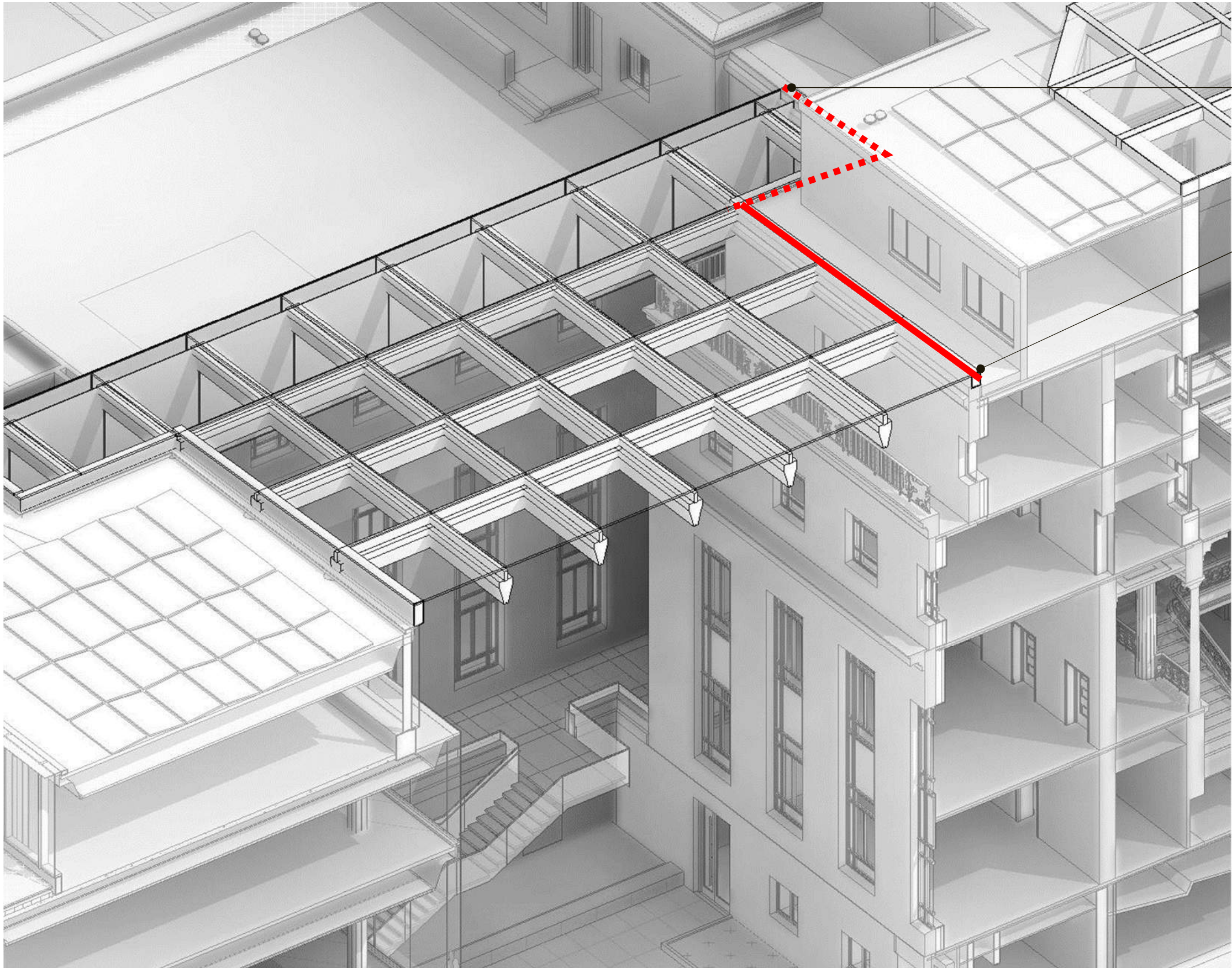


ECCLES SKYLIGHT SKYLIGHT AT PARAPET HEIGHT

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APPROX. **8"**
FROM TOP OF ROOF TO TOP OF SKYLIGHT

**CRITICAL MINIMUM DIMENSION TO
EXISTING CONDITION**

APPROX. **22"**
FROM TOP OF ROOF TO TOP OF SKYLIGHT

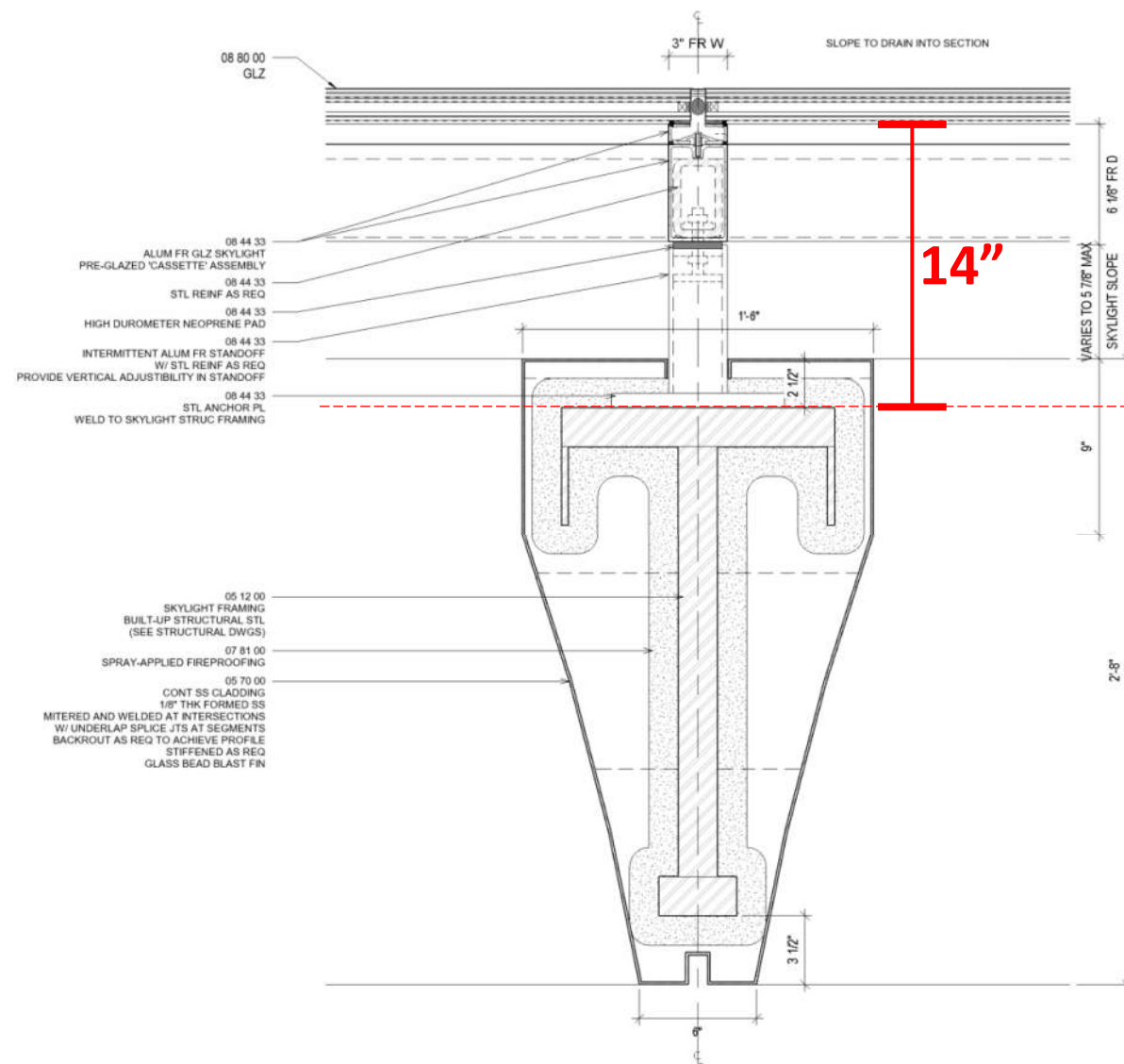
ECCLES SKYLIGHT EXISTING CONSTRAINTS



ECCLES SKYLIGHT VIEW FROM 20TH STREET | SKYLIGHT AT PARAPET HEIGHT

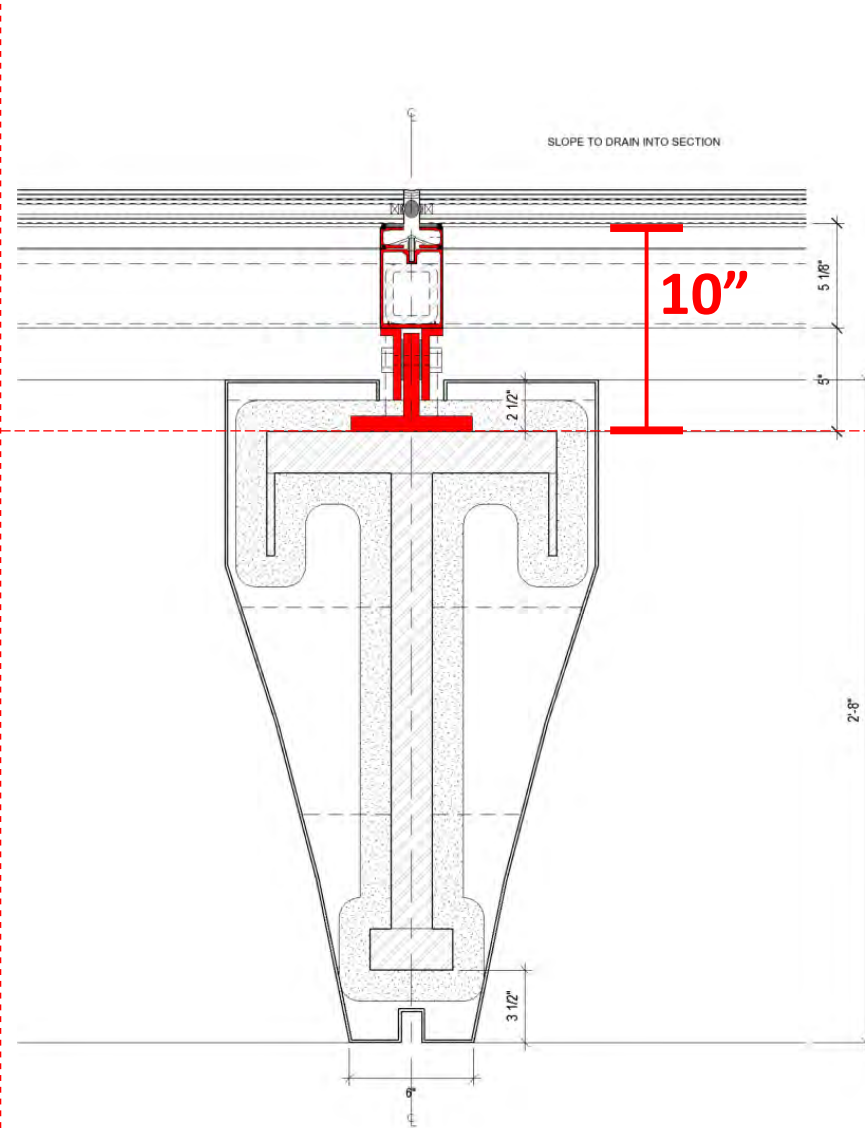


ECCLES SKYLIGHT VIEW FROM 21ST STREET | SKYLIGHT AT PARAPET HEIGHT



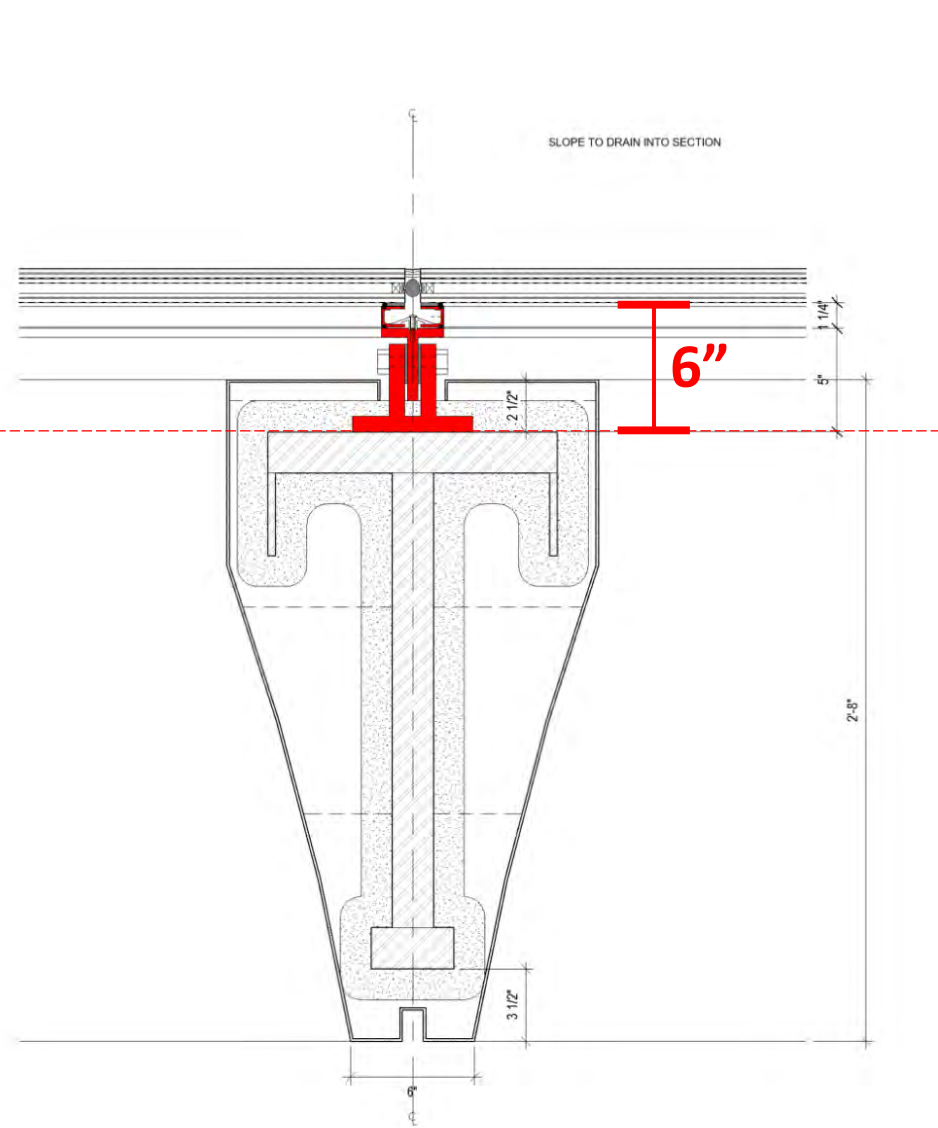
SCHEMATIC DESIGN

CARRIER: TOGGLE-GLAZED ALUMINUM MULLION
STANDOFF: STEEL POST WITH ADJUSTABLE LEVEL



DESIGN DEVELOPMENT

CARRIER: TOGGLE-GLAZED ALUMINUM MULLION
STANDOFF: STEEL 'DOUBLE-L' BRACKET

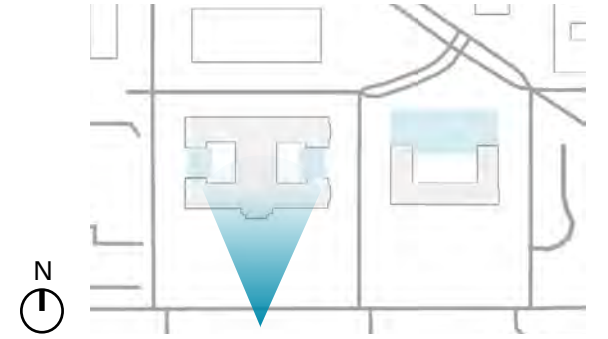


DESIGN DEVELOPMENT (ALTERNATE)

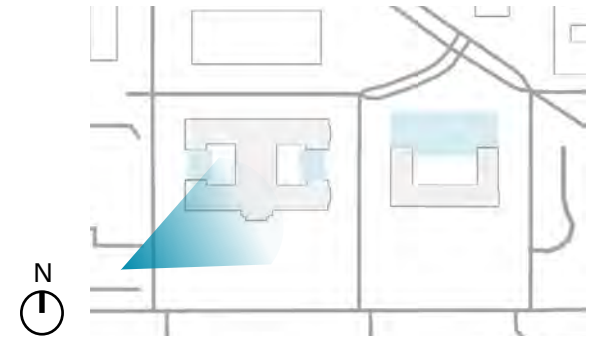
CARRIER: CUSTOM STEEL MULLION
STANDOFF: STEEL 'DOUBLE-L' STANDOFF

***FEASIBILITY OF ASSEMBLY CURRENTLY UNDER
 ENGINEERING REVIEW**

*ADJUSTABILITY AT SKYLIGHT CARRIER AND STANDOFF ASSEMBLY TO
 ACCOMMODATE ANTICIPATED DEAD LOAD AND LIVE LOAD DEFLECTION,
 AND CONSTRUCTION TOLERANCE*



ECCLES SKYLIGHT VIEW FROM CONSTITUTION AVENUE



ECCLES SKYLIGHT VIEW FROM 21ST STREET

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ECCLES SKYLIGHT VIEW FROM 20TH STREET

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WINDOWS

PERFORMANCE CRITERIA

- ENVELOPE ‘TIGHTNESS’ (CONTINUITY OF AIR, VAPOR, AND THERMAL BARRIER)
- ENERGY PERFORMANCE
- BLAST RESISTANCE (ALL EXTERIOR WINDOWS)
- BALLISTIC RESISTANCE (LIMITED EXTERIOR LOCATIONS)
- FIRE RESISTANCE (ATRIA AND LIMITED EXTERIOR LOCATIONS)

PRIMARY CONSIDERATIONS

- SERVICABILITY
- LONGEVITY
- FABRICATION LIMITATIONS
- MANUFACTURERS’ TESTING
- IMPACTS TO CONSTRUCTION (SALVAGE, DEMO, ETC.)
- PRESERVATION (OF CHARACTER-DEFINING EXTERIOR FEATURES)

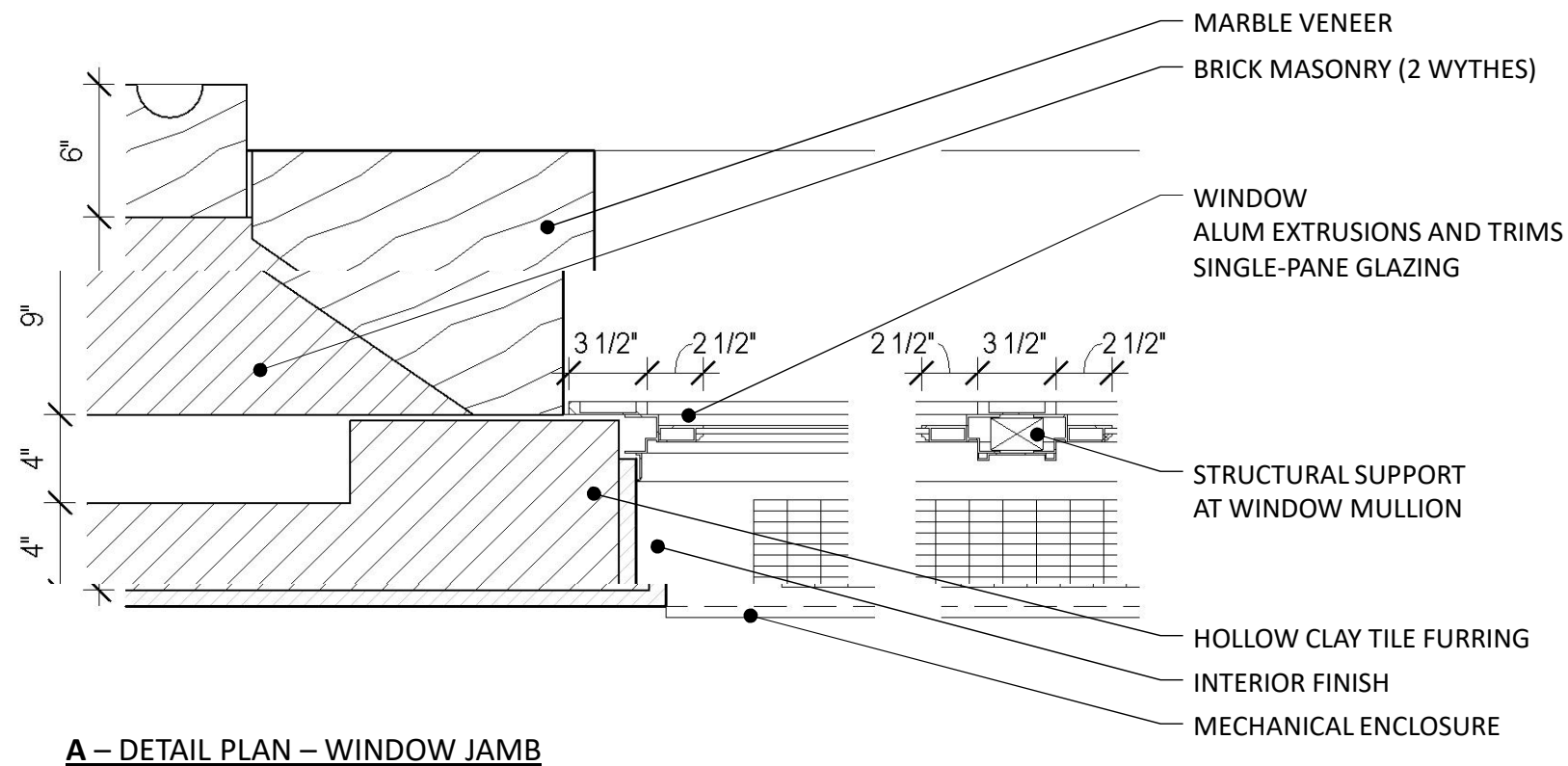


ECCLES BUILDING



1951 BUILDING

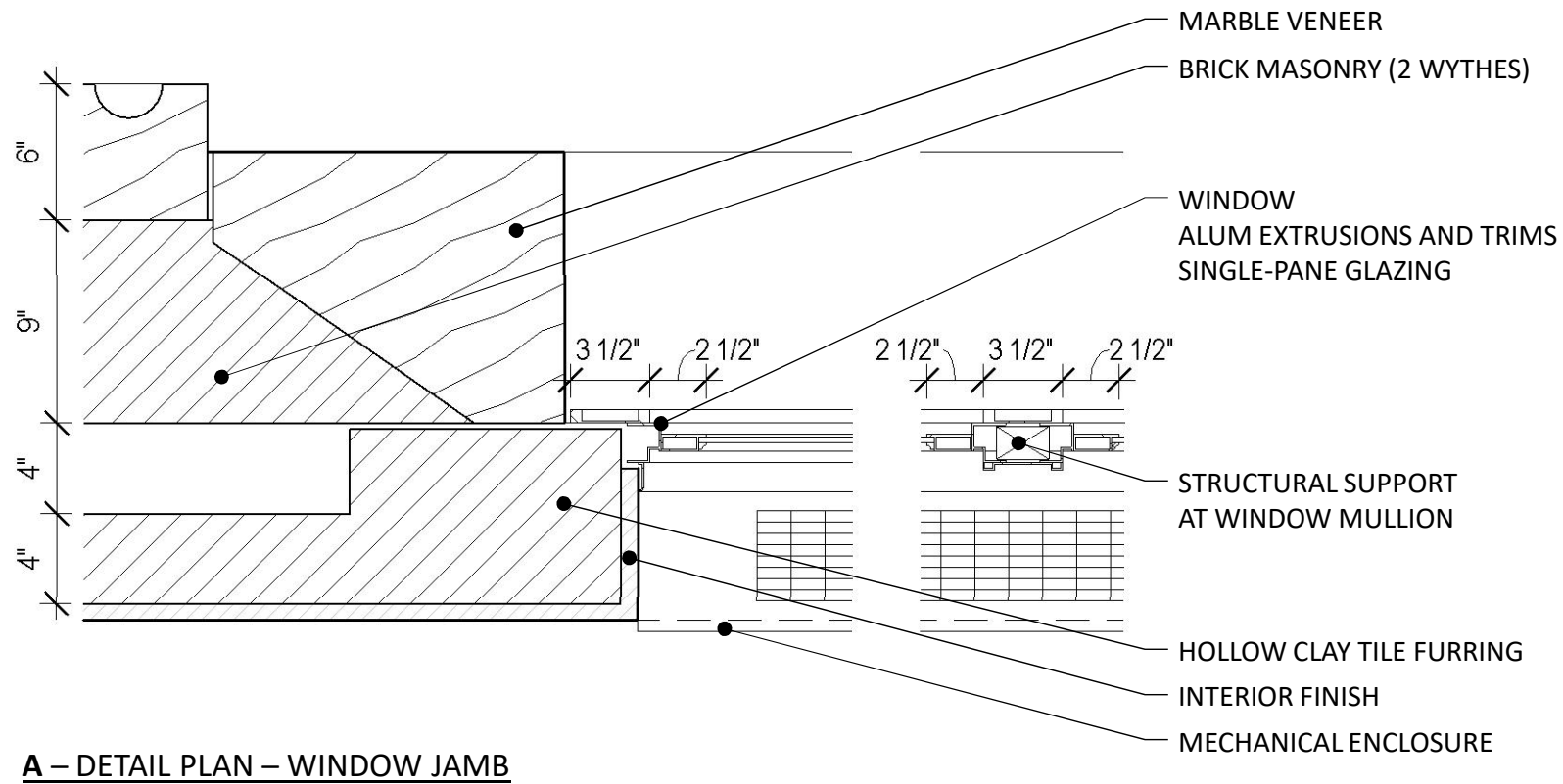
EXISTING WINDOW OBJECTIVES



FRB-EAST EXISTING WINDOWS (EXTERIOR)

ANCHORAGE	ANCHORAGE TO BRICK MASONRY (ATTACHMENT TYPE TBD) STRUCTURAL SUPPORT AT MULLIONS AND TRANSOMS (TBD) INSTALLED FROM INTERIOR
FRAMES	ALUMINUM EXTRUSIONS FIXED AND OPERABLE (CASEMENT AND HOPPER) UNITS
GLAZING	SINGLE-PANE GLAZING
SPANDRELS	CAST ALUMINUM SPANDRELS EARLY ANNODIZATION ('DEPLATING' METHOD)
ORNAMENT	CAST ALUMINUM ORNAMENTATION EARLY ANNODIZATION ('DEPLATING' METHOD) MECHANICALLY FASTENED TO ALUMINUM FRAMES
CHARACTER-DEFINING FEATURES	CAST ALUMINUM ORNAMENTATION AT WINDOW FRAMES CAST ALUMINUM DECORATIVE SPANDREL PANEL





FRB-EAST EXISTING WINDOWS (EXTERIOR)

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CHARACTER- DEFINING FEATURES	CAST ALUMINUM ORNAMENTATION AT WINDOW FRAMES CAST ALUMINUM DECORATIVE SPANDREL PANEL



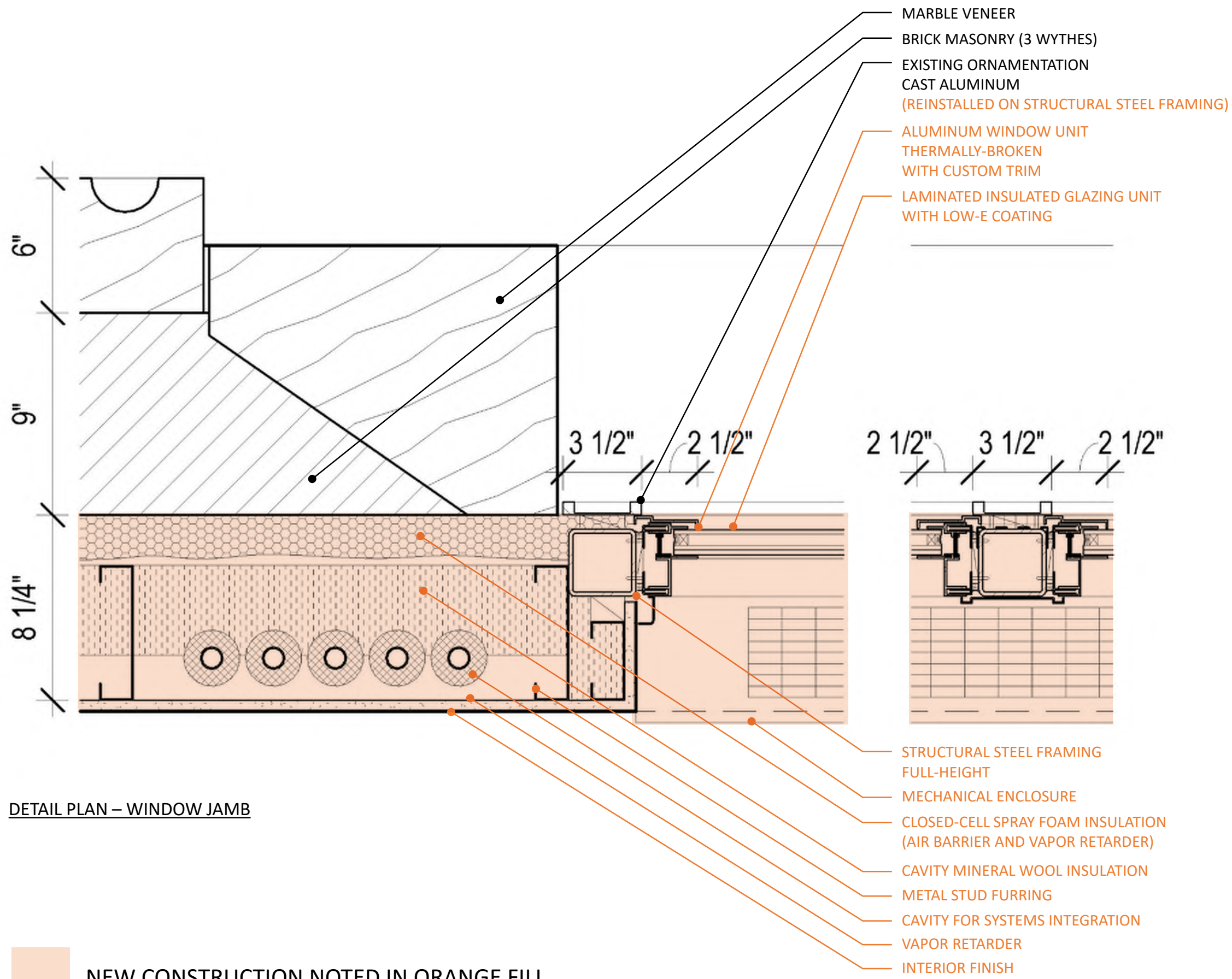


FRB-EAST EXISTING WINDOWS (ATRIM)

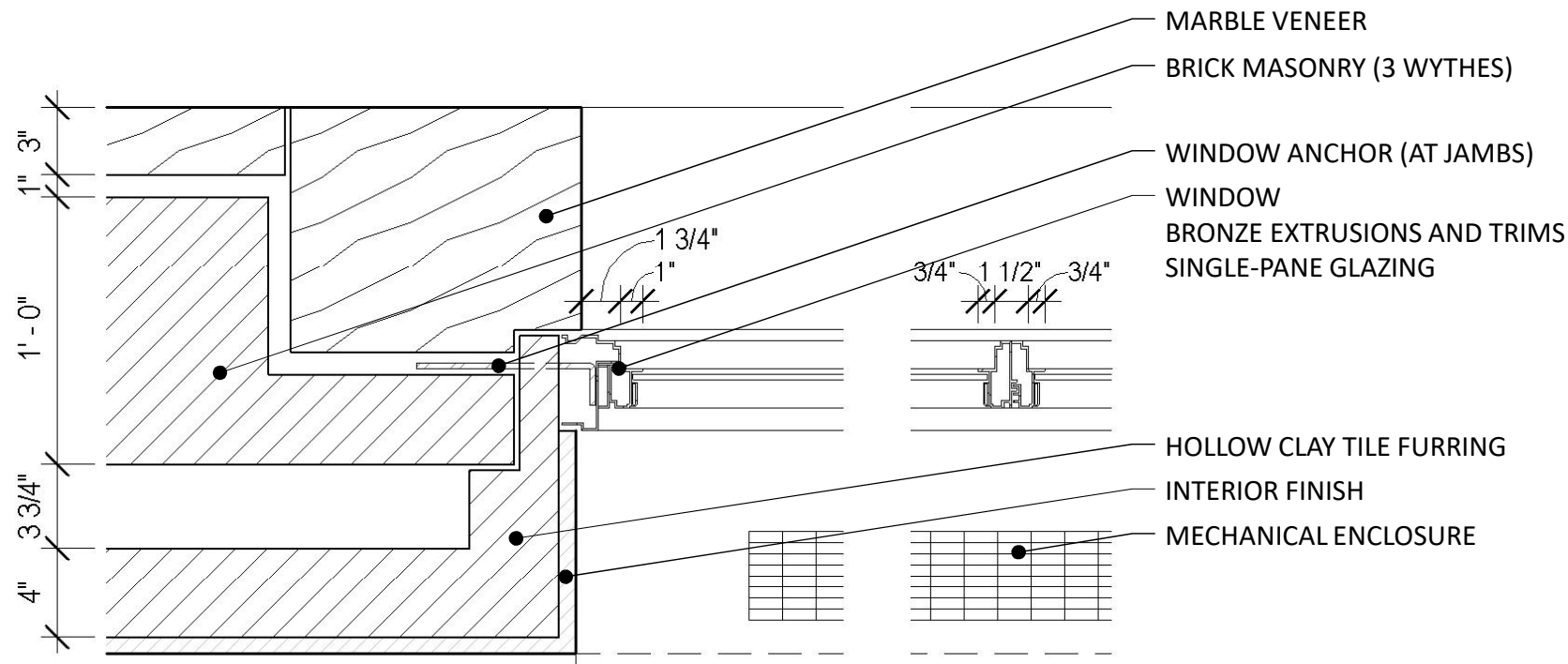
ANCHORAGE	ANCHORAGE TO BRICK MASONRY (ATTACHMENT TYPE TBD) STRUCTURAL SUPPORT AT MULLIONS AND TRANSOMS (TBD) INSTALLED FROM INTERIOR
FRAMES	STEEL EXTRUSIONS FIXED AND OPERABLE (CASEMENT AND HOPPER) UNITS
GLAZING	SINGLE-PANE GLAZING
SPANDRELS	N/A
ORNAMENT	N/A



FRB-EAST WINDOWS



DETAIL PLAN – WINDOW JAMB



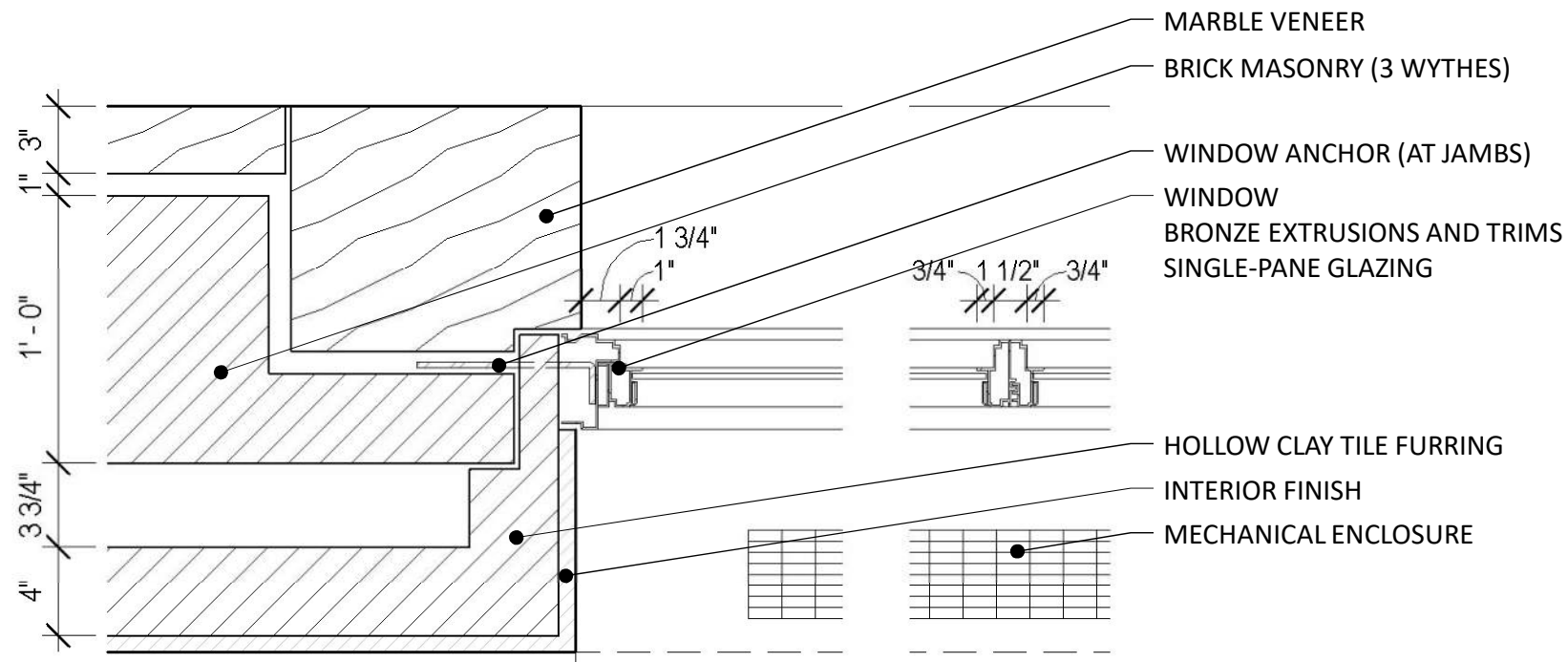
A – DETAIL PLAN – WINDOW JAMB



ECCLES EXISTING WINDOWS

ANCHORAGE	STEEL ANGLE ANCHORAGE TO BRICK MASONRY ANCHORAGE AT JAMBS ONLY INSTALLED FROM INTERIOR
FRAMES	BRONZE EXTRUSIONS FIXED AND OPERABLE (CASEMENT AND HOPPER) UNITS STATUARY BRONZE FINISH
GLAZING	SINGLE-PANE GLAZING
SPANDRELS	GRANITE STONE SPANDRELS INLAID CAST BRONZE ORNAMENTATION STATUARY BRONZE FINISH
ORNAMENT	CAST BRONZE ORNAMENTATION STATUARY BRONZE FINISH MECHANICALLY FASTENED TO BRONZE FRAMES
CHARACTER- DEFINING FEATURES	ENTIRE WINDOW ASSEMBLIES, INCLUDING CAST BRONZE ORNAMENTATION, GRANITE SPANDRELS, AND DECORATIVE CAST BRONZE GRILLES



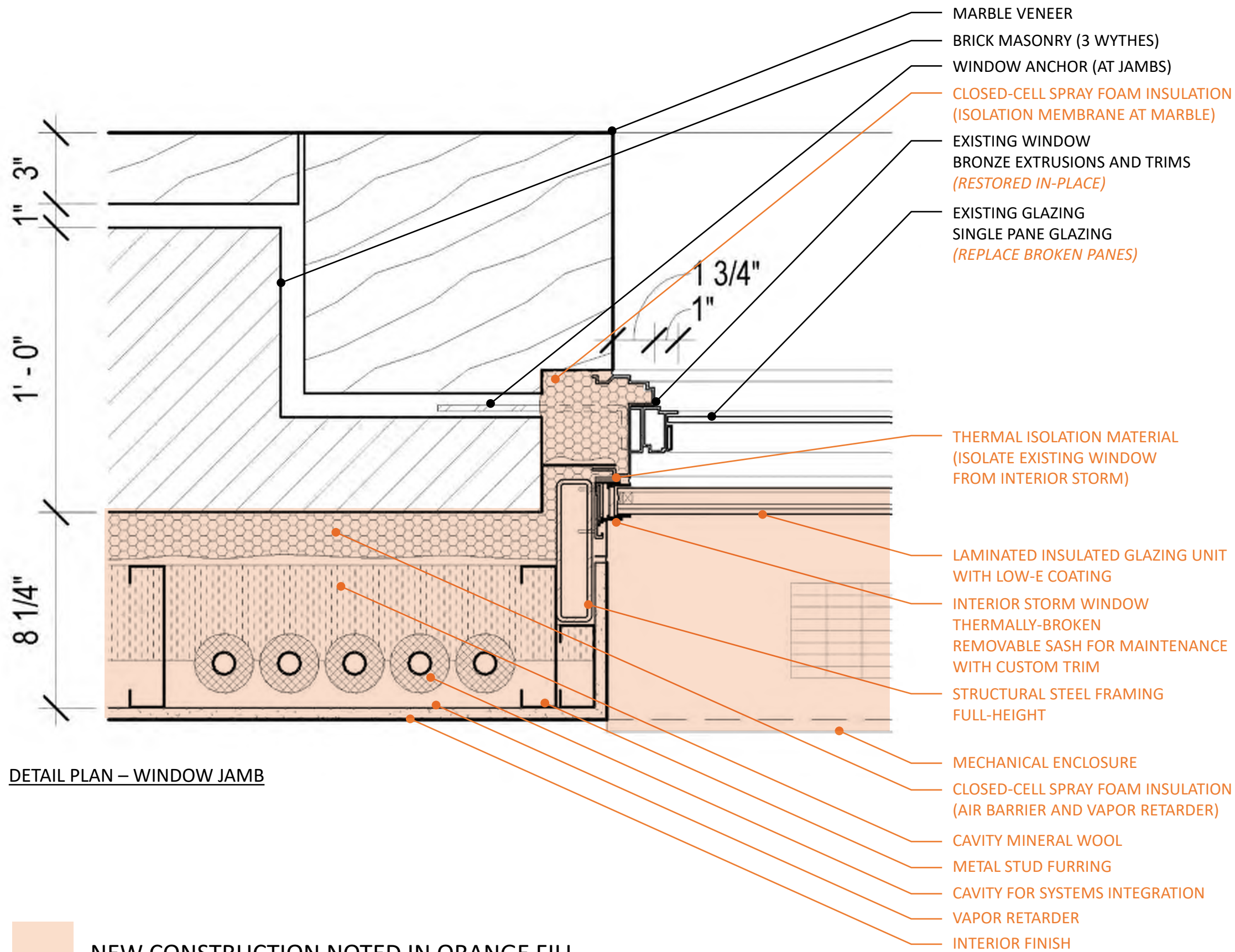


A – DETAIL PLAN – WINDOW JAMB

ECCLES EXISTING WINDOWS

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DETAIL PLAN – WINDOW JAMB



NEW CONSTRUCTION NOTED IN ORANGE FILL

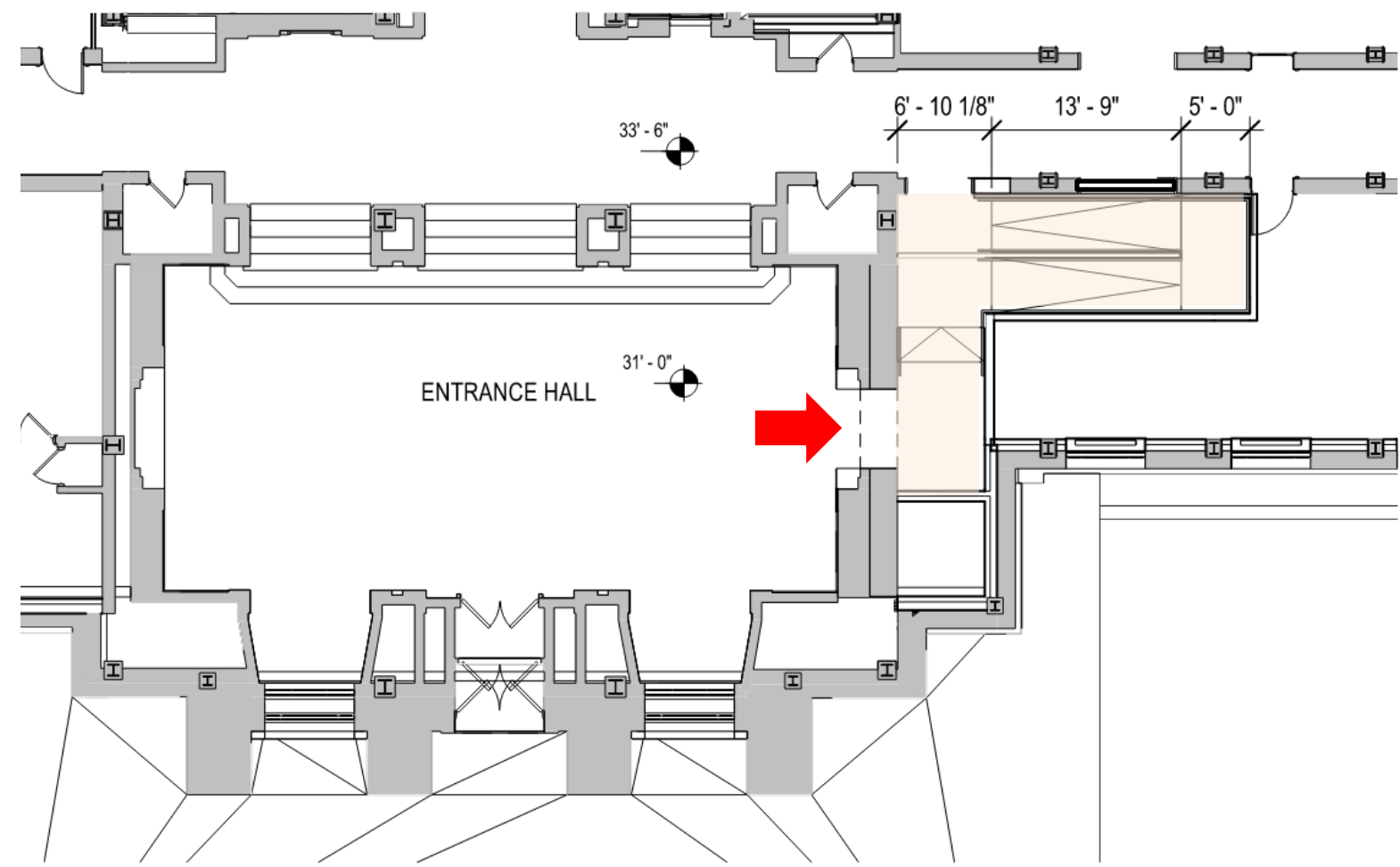
ACCESSIBILITY

ABA ACCES AT ENTRANCE LOBBIES

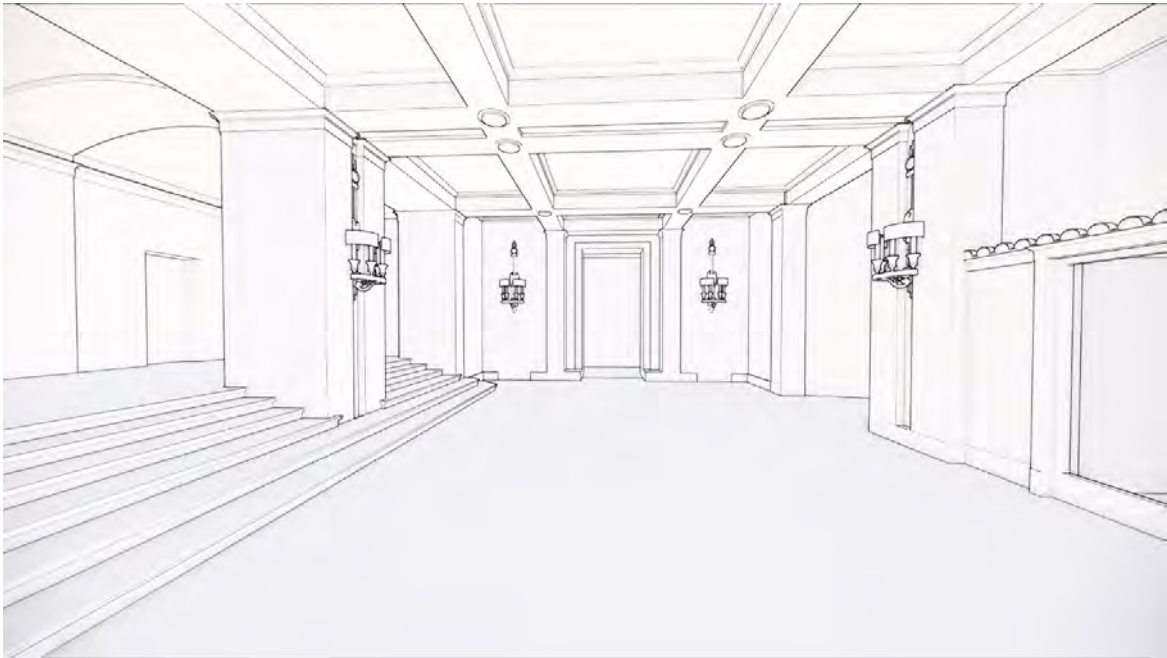


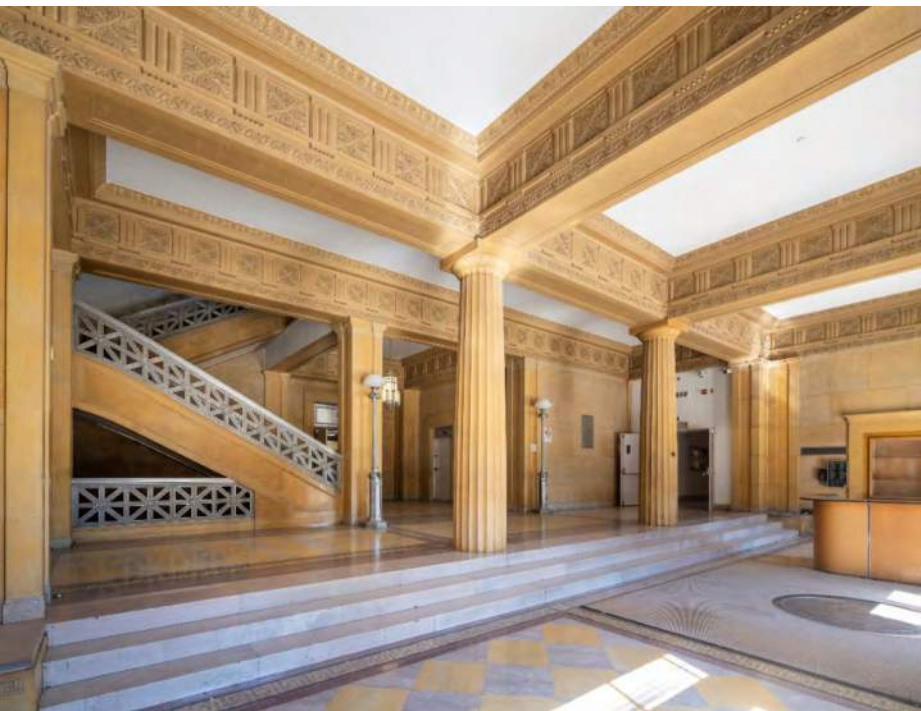
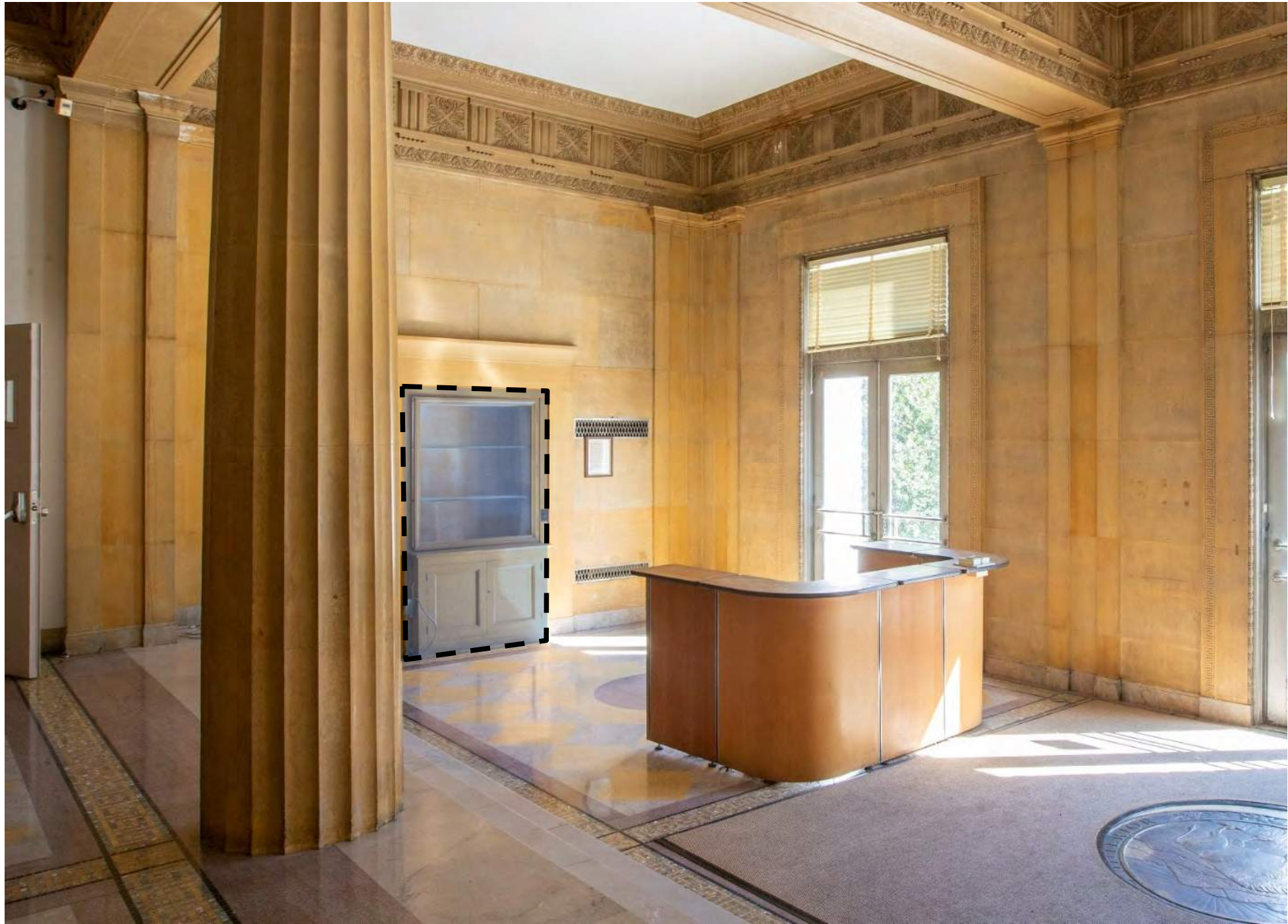
ECCLES CONSTITUTION AVENUE ENTRANCE HALL CONTEXT

ECCLES RAMP



LEVEL 1 PLAN



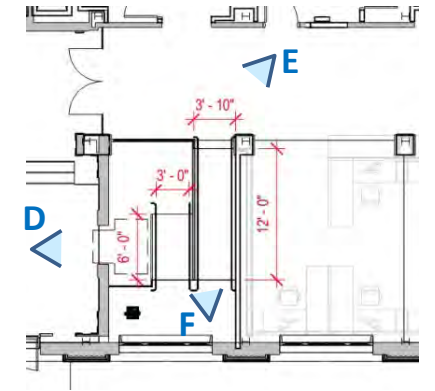
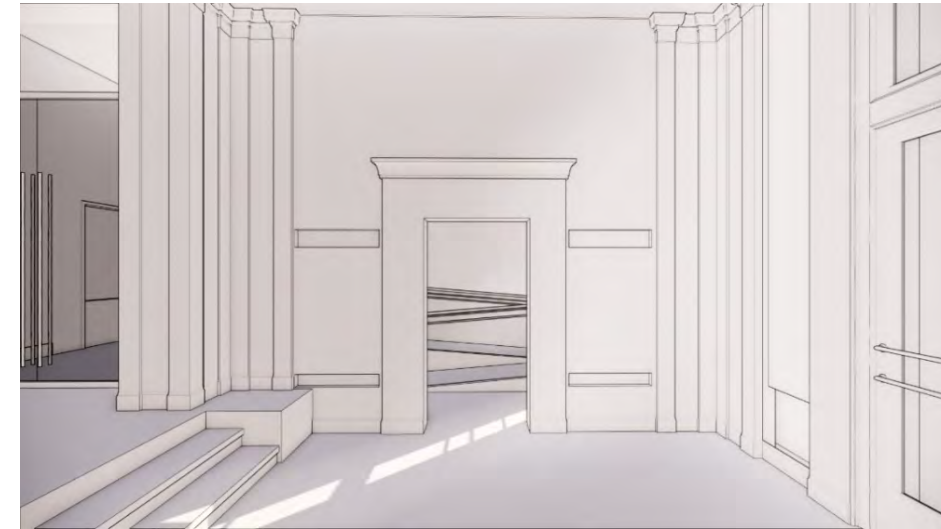
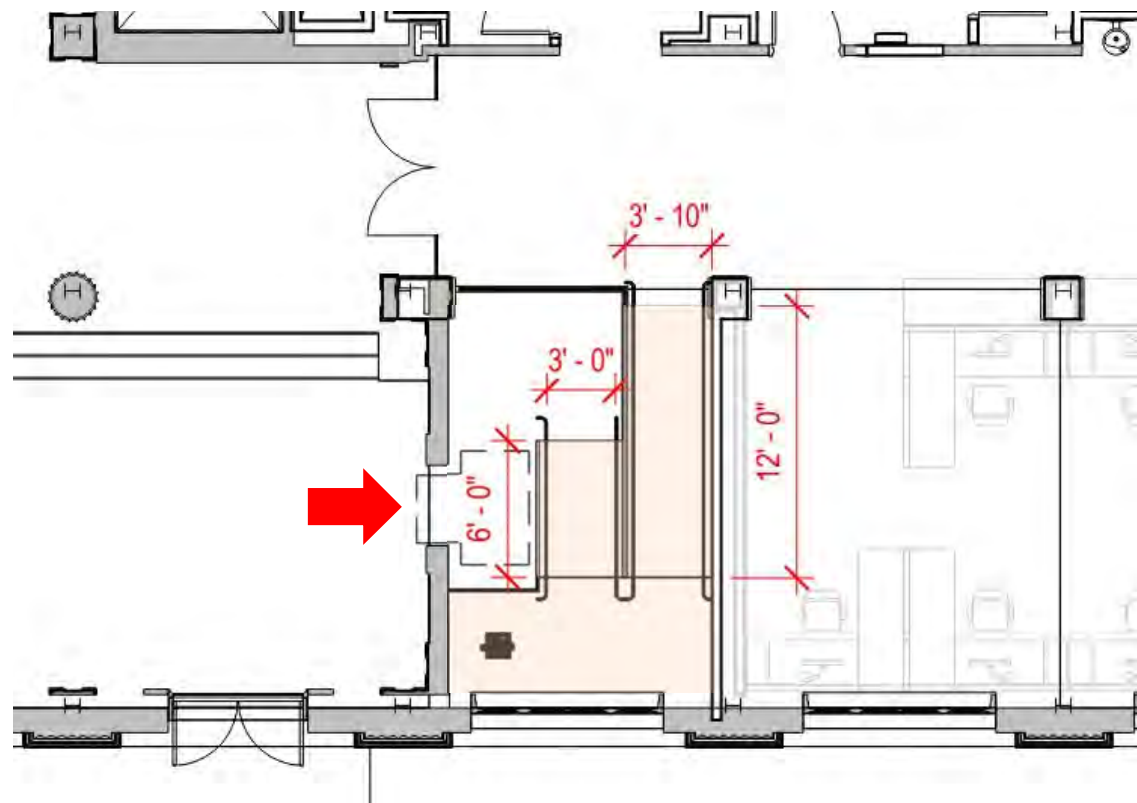
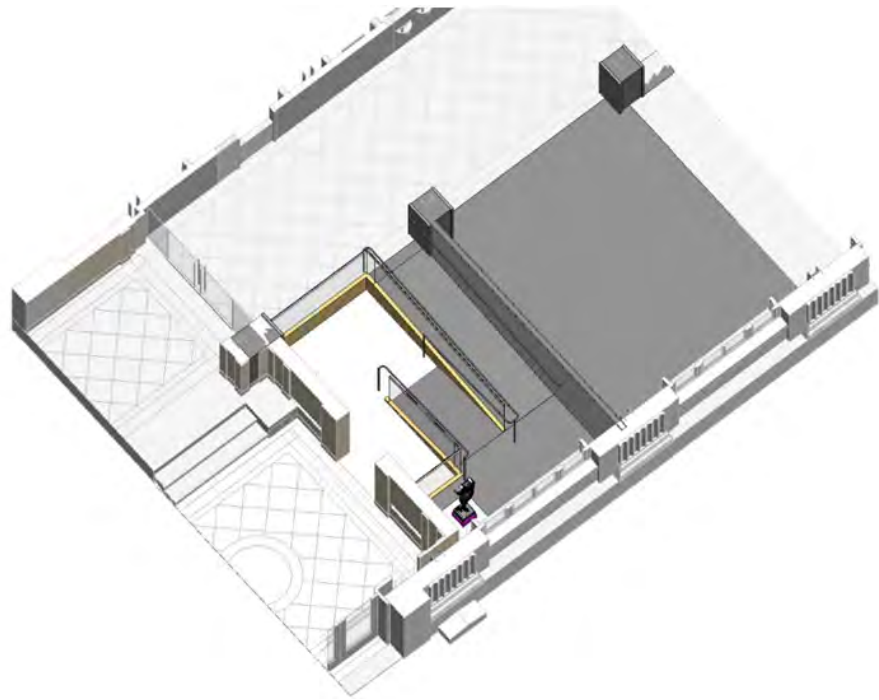


FRB-EAST ENTRANCE HALL CONTEXT

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D LOBBY VIEW



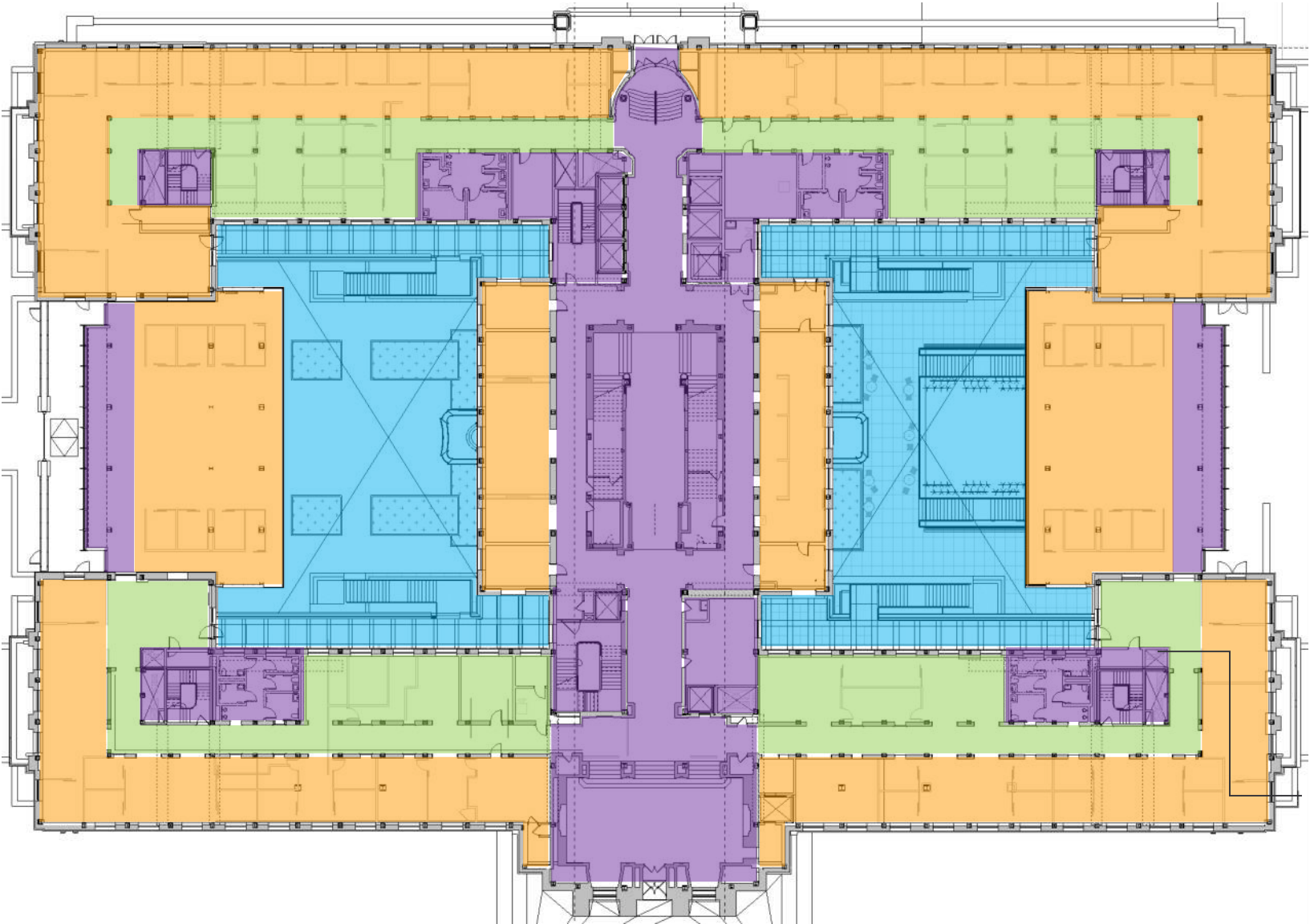
E CORRIDOR VIEW



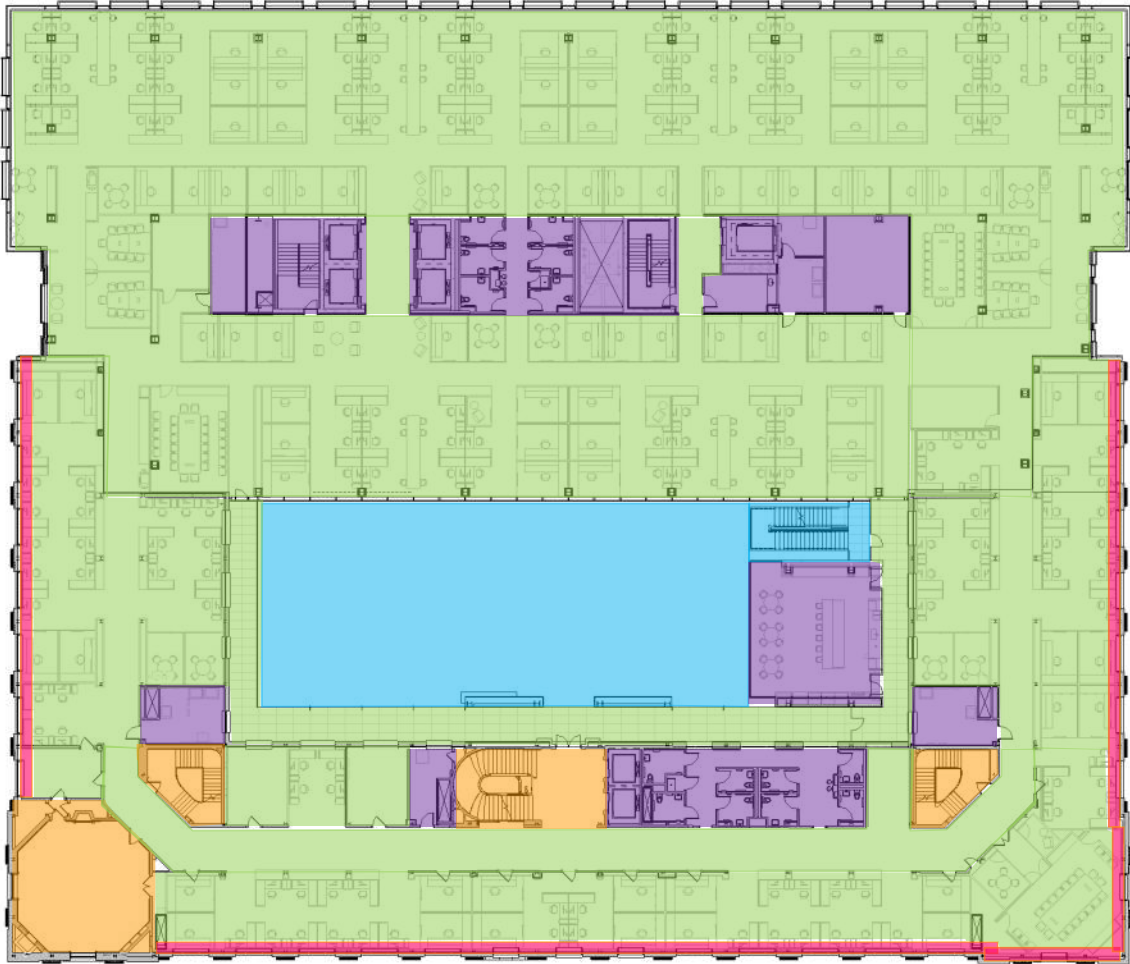
F RAMP VIEW

MEP SYSTEMS INTEGRATION

TYPICAL FLOOR - ECCLES



TYPICAL FLOOR - FRB-EAST



- FAN COIL SYSTEM
- PERIMETER HEAT BELOW WINDOWS
- CHILLED BEAM SYSTEM
- VAV SYSTEM
- DISPLACEMENT VENTILATION AND RADIANT FLOOR

CONTEXTUALLY-RESPONSIVE HIGH-PERFORMANCE BUILDING SYSTEMS

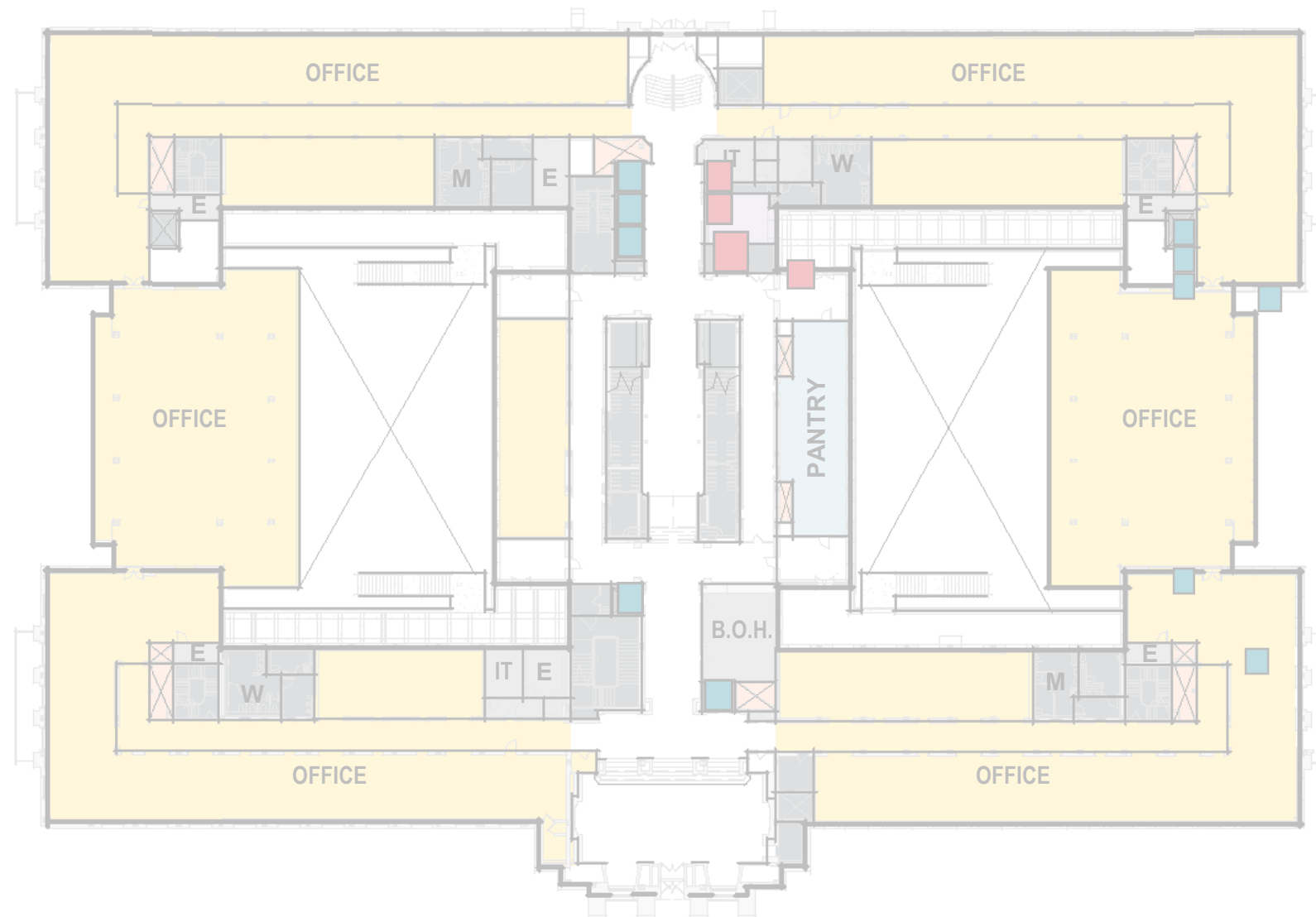
ELEVATOR CORE

ELEVATOR PLAN ECCLES

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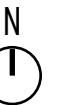
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NEW

EXISTING

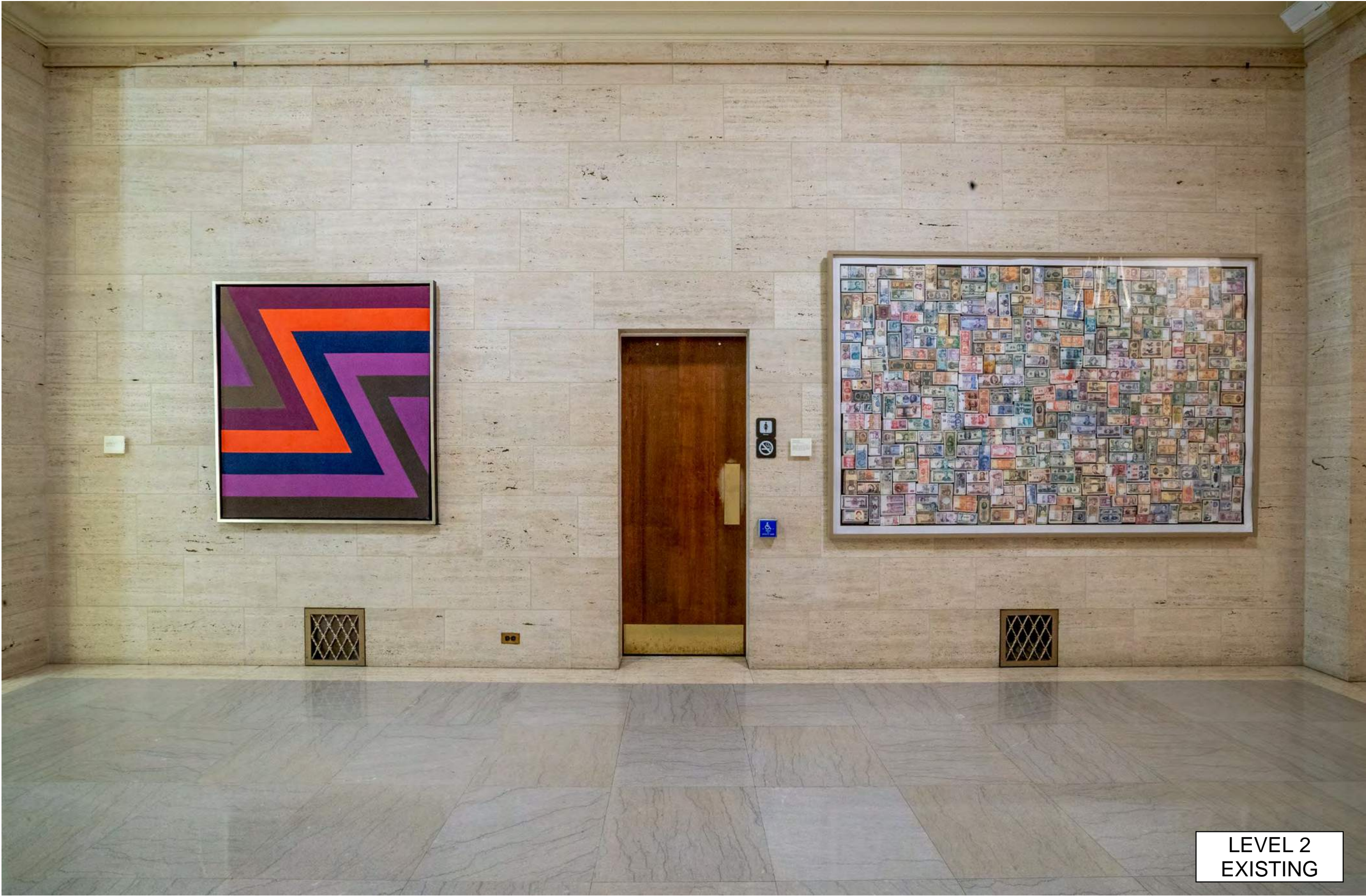




LEVEL 1
EXISTING



LEVEL 1
PROPOSED



LEVEL 2
EXISTING

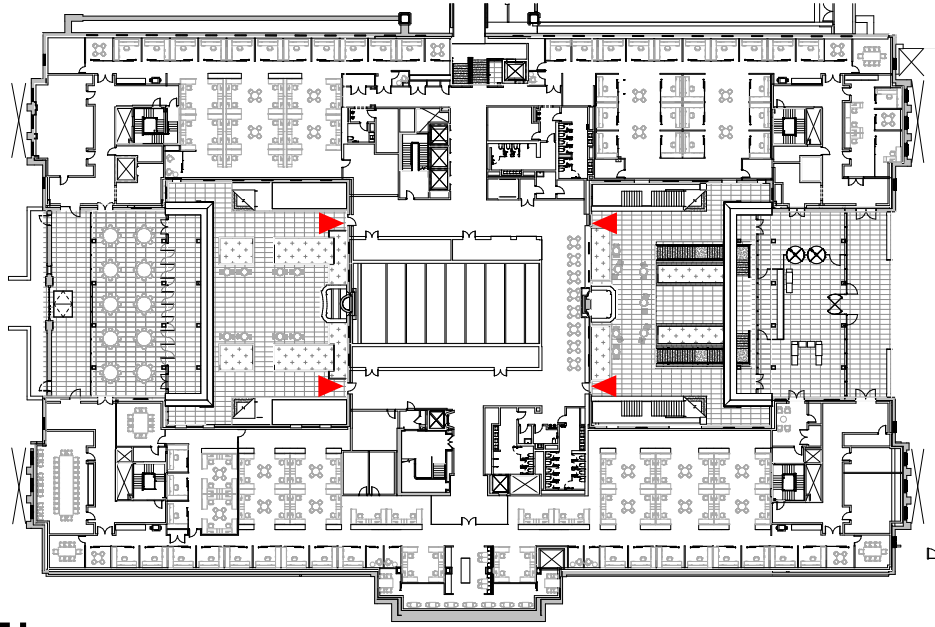
ECCLES OPTION B ELEVATOR COLLAGE LEVEL 02 EXISTING



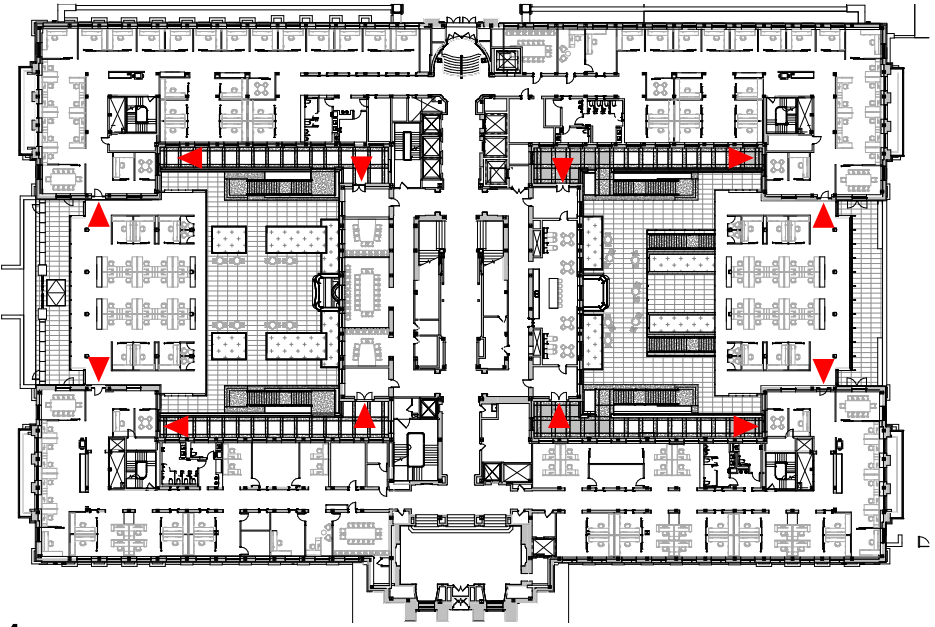
LEVEL 2
PROPOSED

ECCLES OPTION B ELEVATOR COLLAGE LEVEL 02 PROPOSED

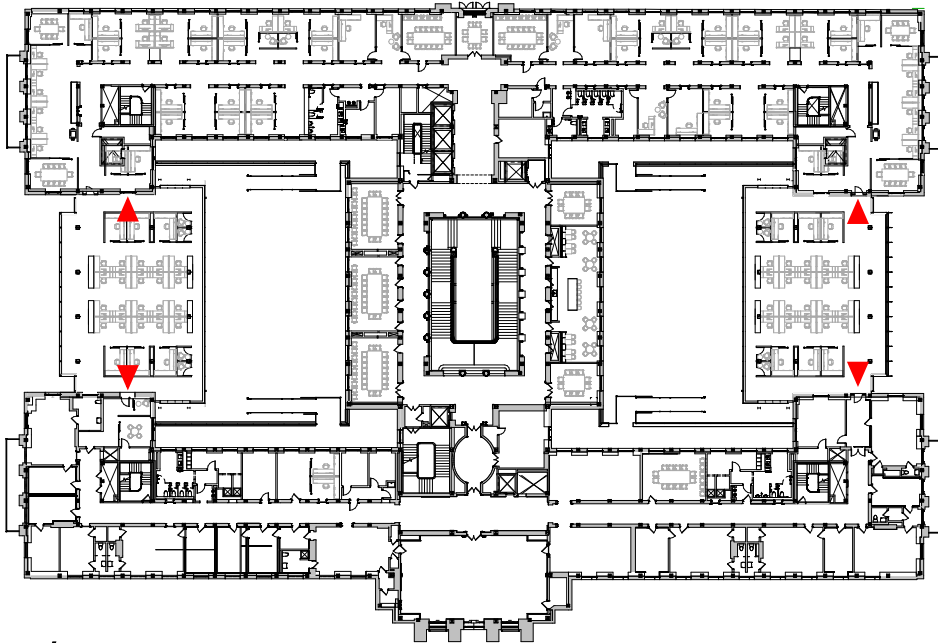
NEW OPENINGS



C1 LEVEL



LEVEL 01



LEVEL 02/03



ATRIUM OPENINGS INFILL LOCATION | 5' DOOR

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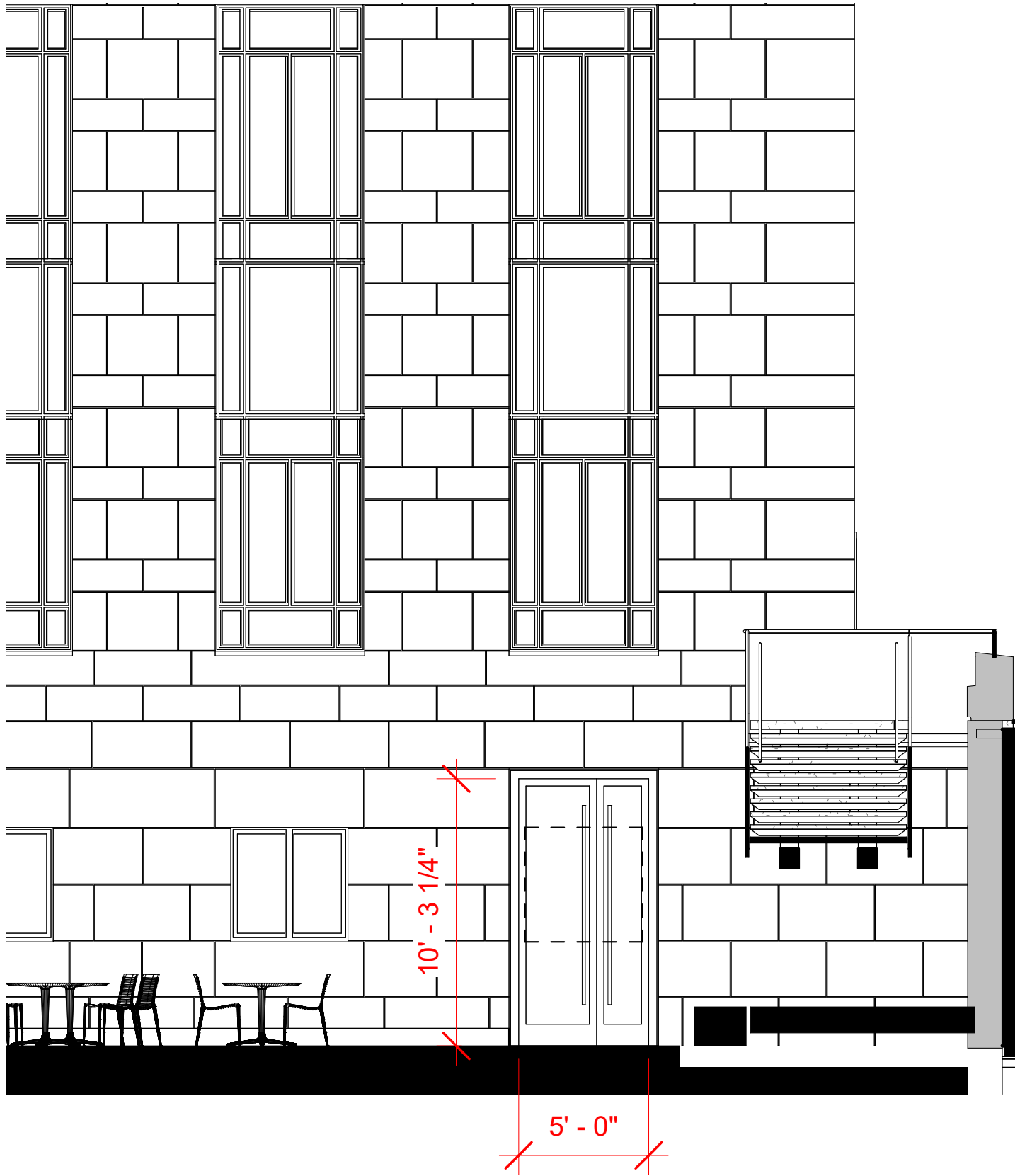


ATRIUM OPENINGS INFILL LOCATION | OPEN

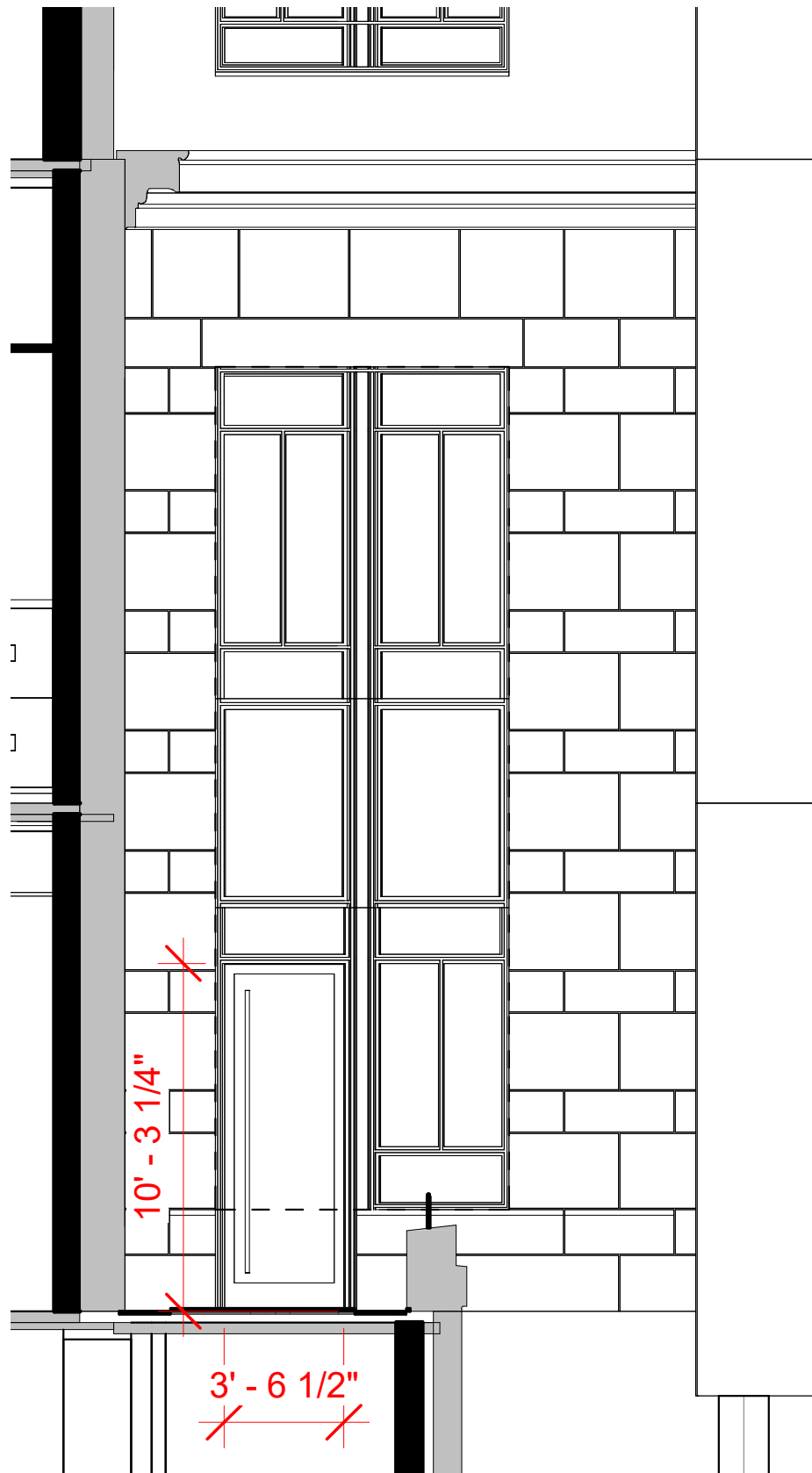
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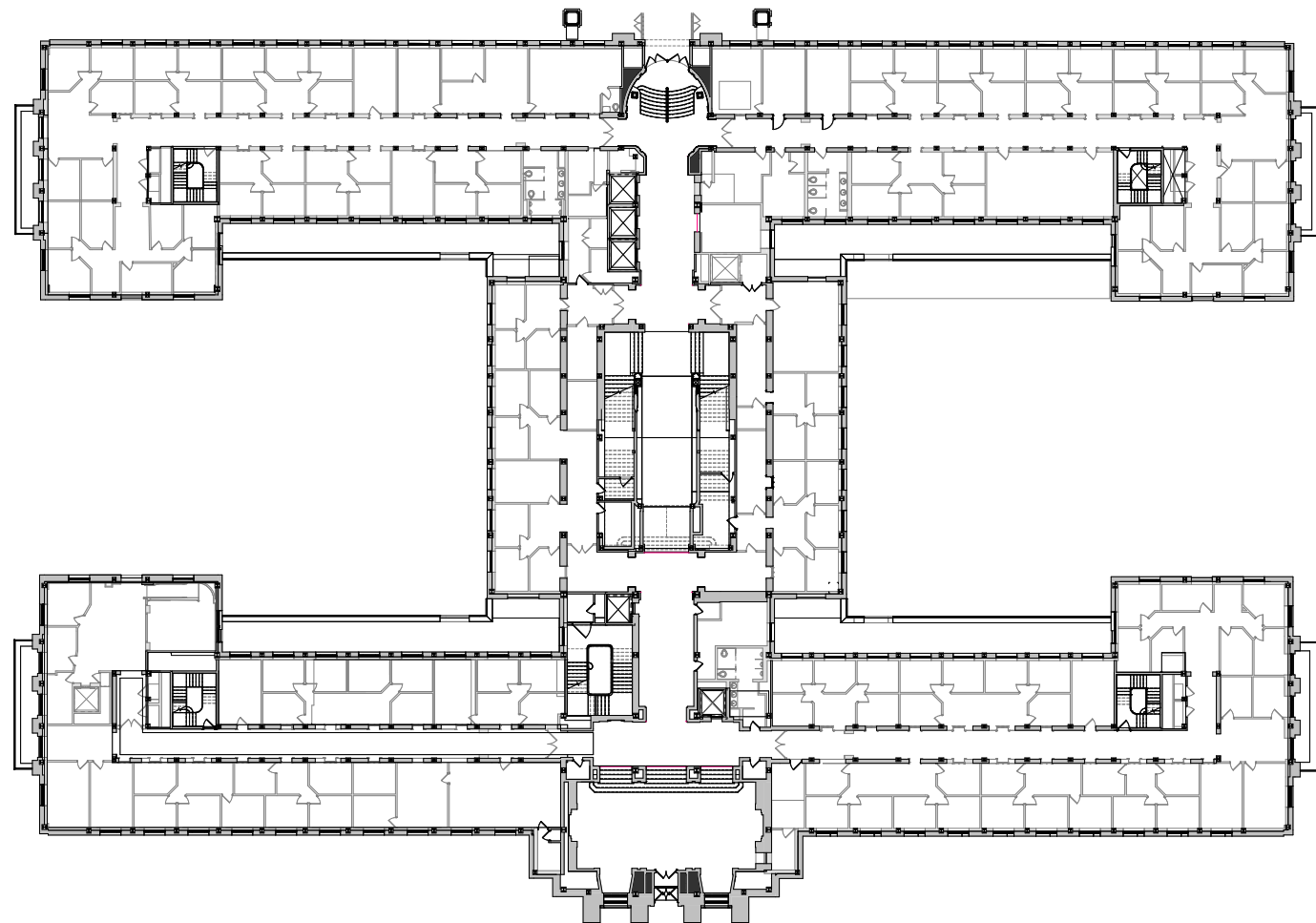


ATRIUM OPENINGS CORE E/W WALL | 5' DOOR

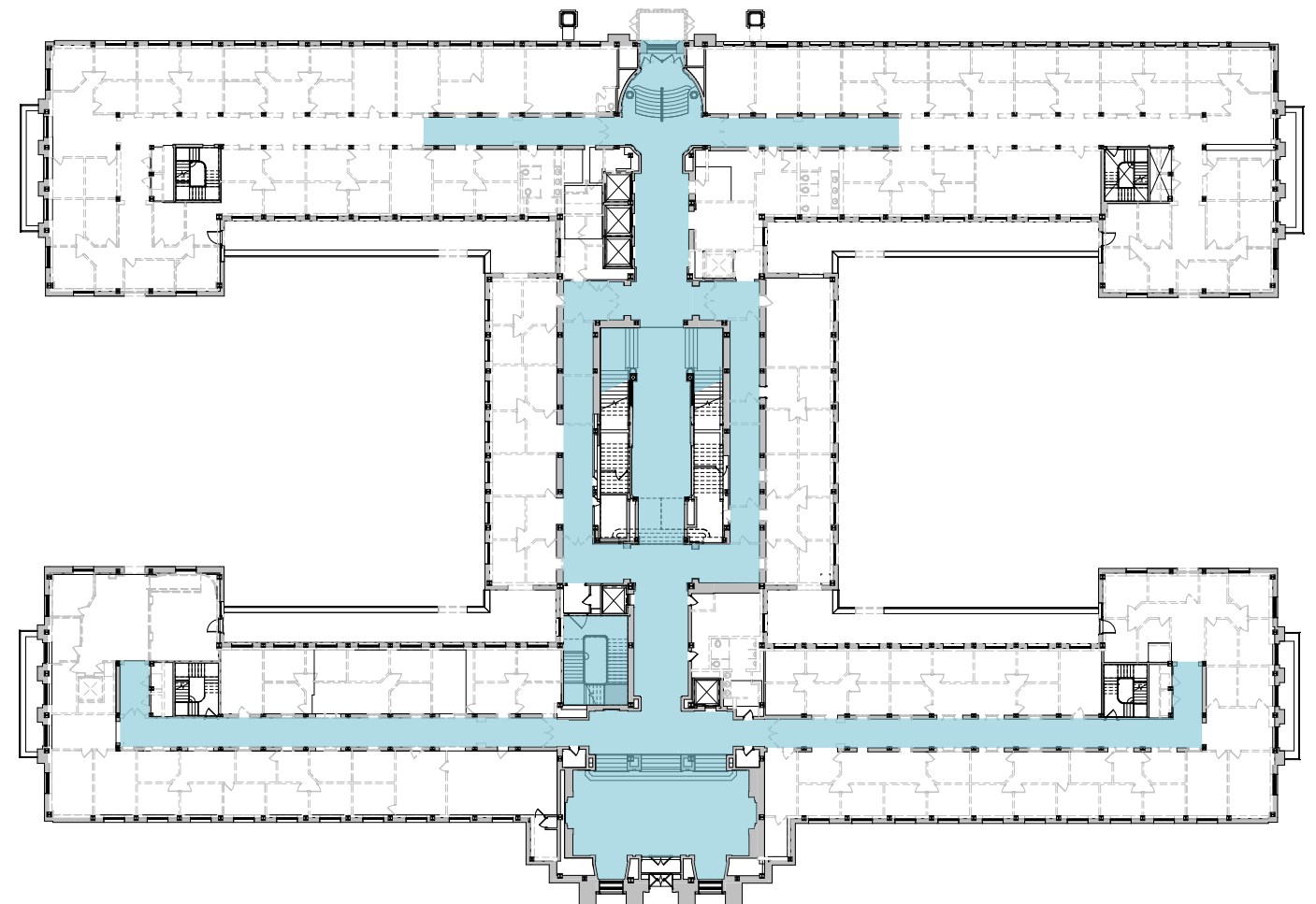


ATRIUM OPENINGS E/W SIDE WALL

INTERIOR MODIFICATIONS

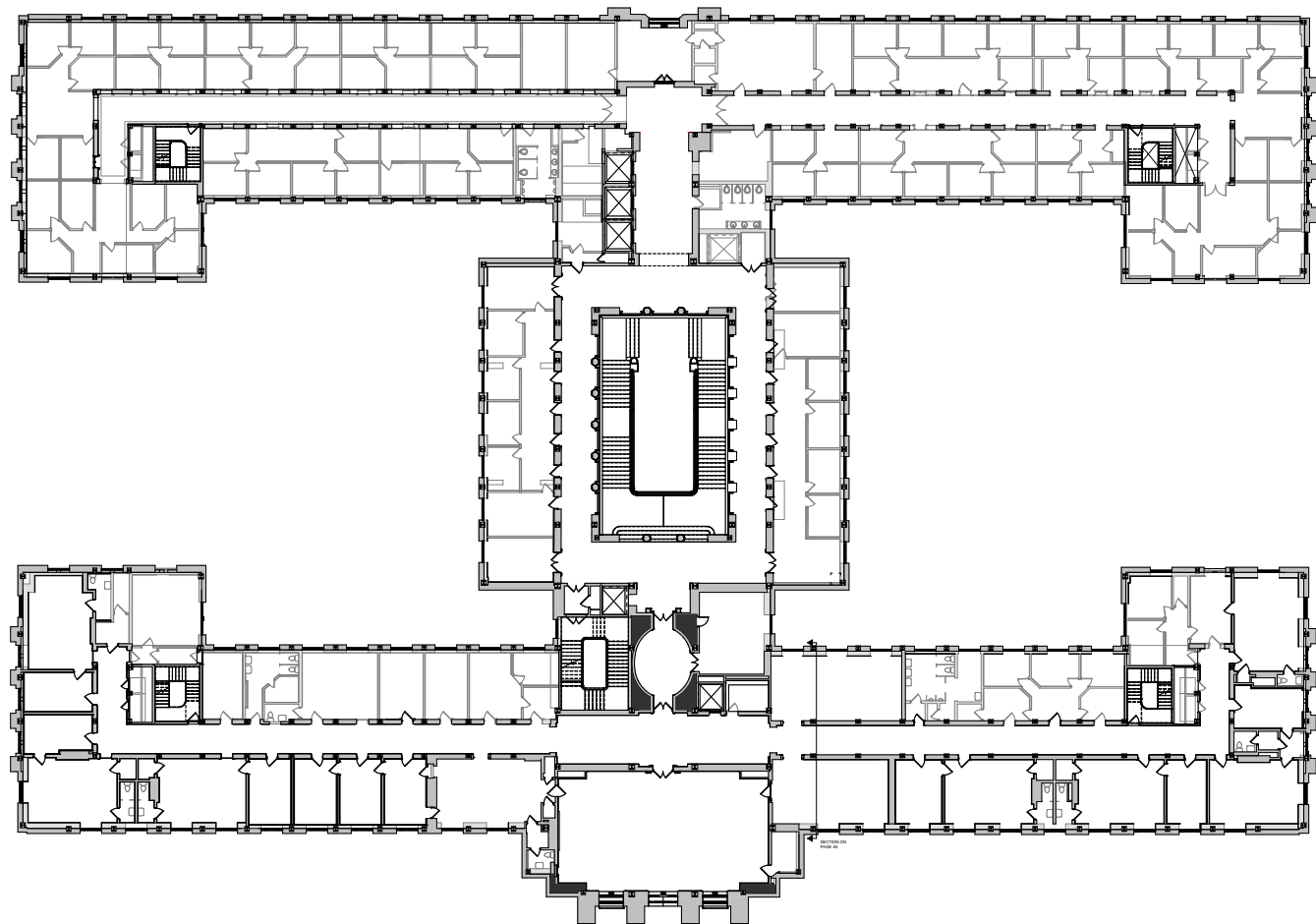


EXISTING BUILDING PLAN

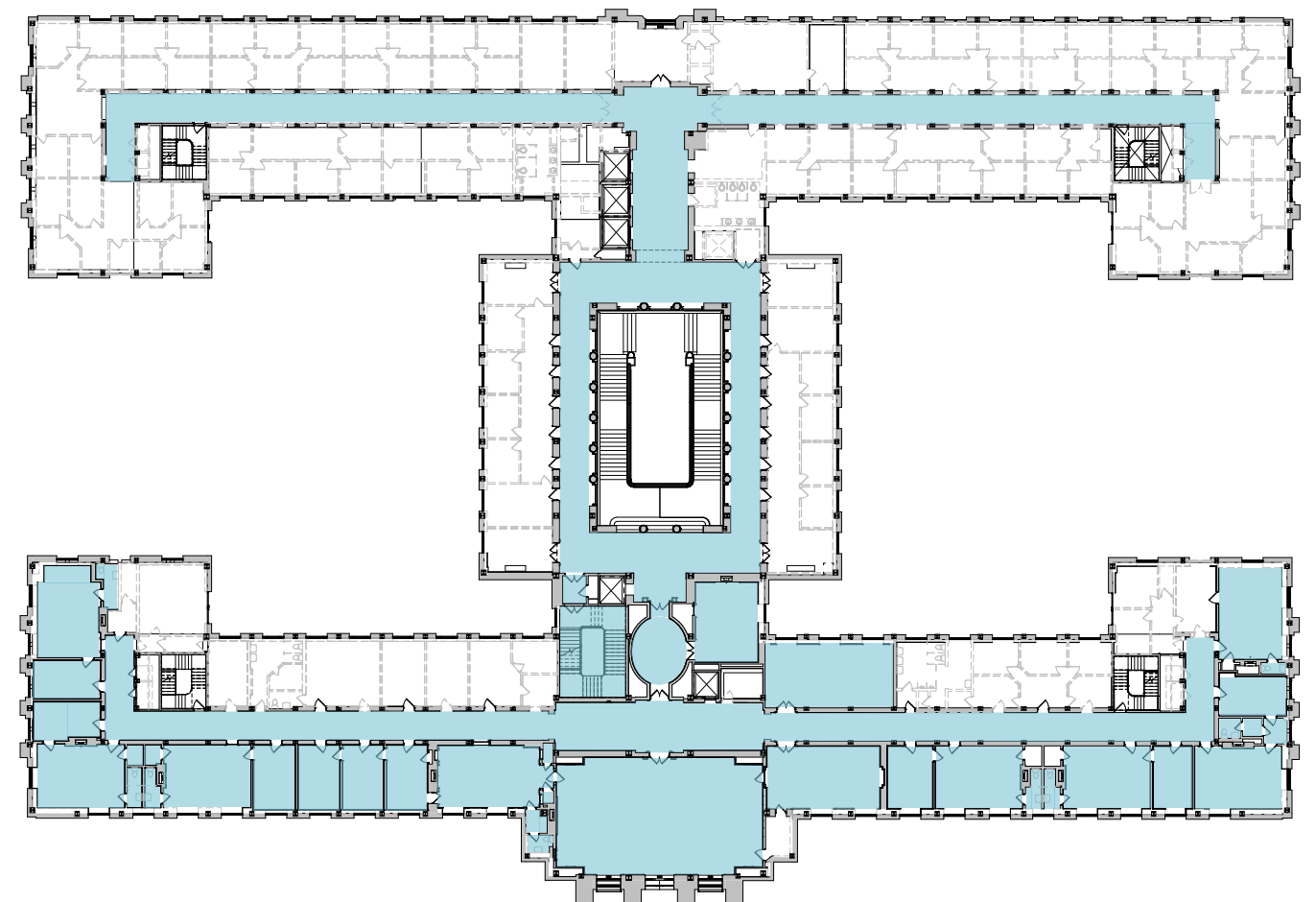


PROPOSED PLAN

- AREA OF HISTORIC CORRIDOR AND CEILING PRESERVATION
- PARTITIONS TO BE REMOVED

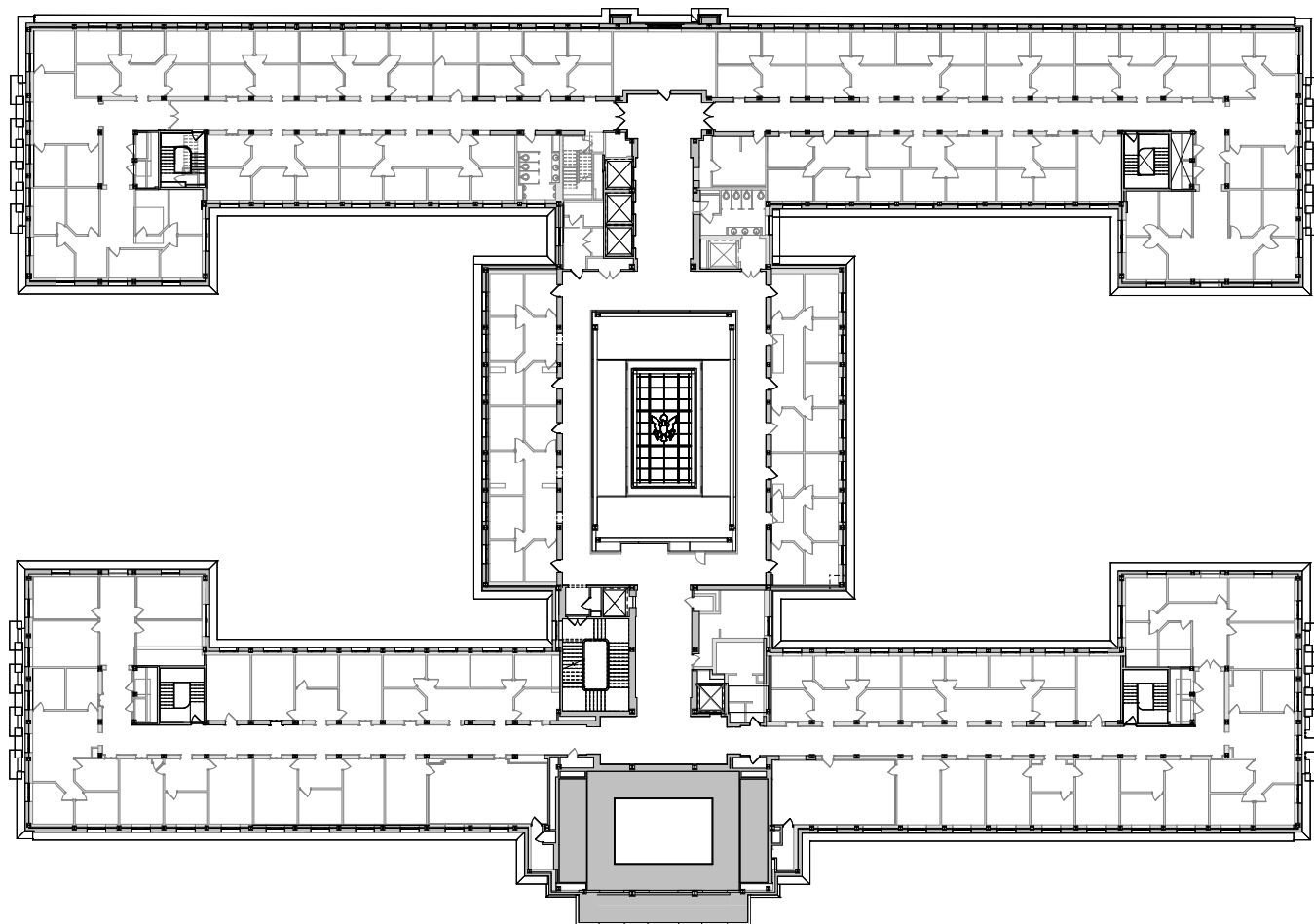


EXISTING BUILDING PLAN

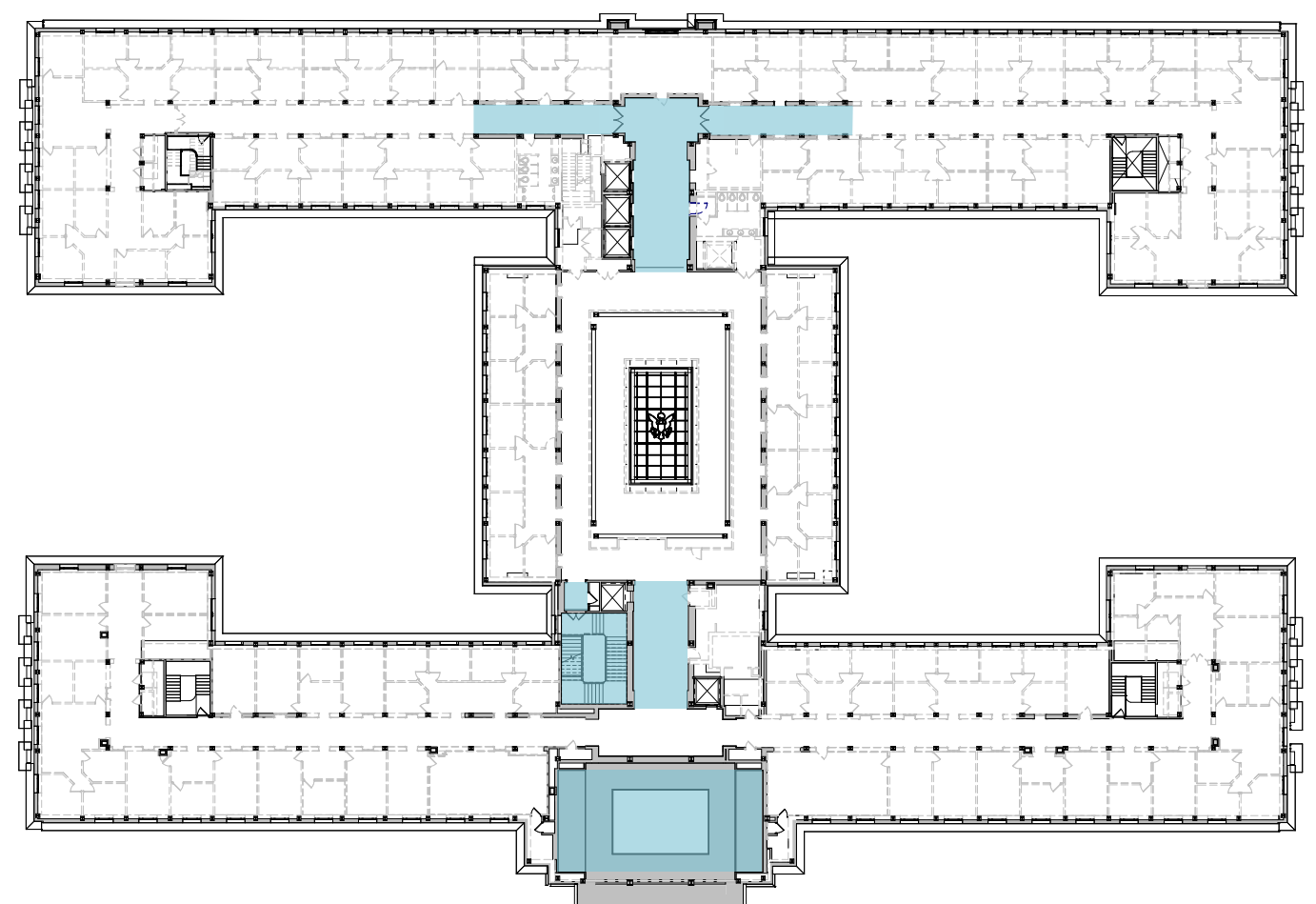


PROPOSED PLAN

- AREA OF HISTORIC CORRIDOR AND CEILING PRESERVATION
- PARTITIONS TO BE REMOVED

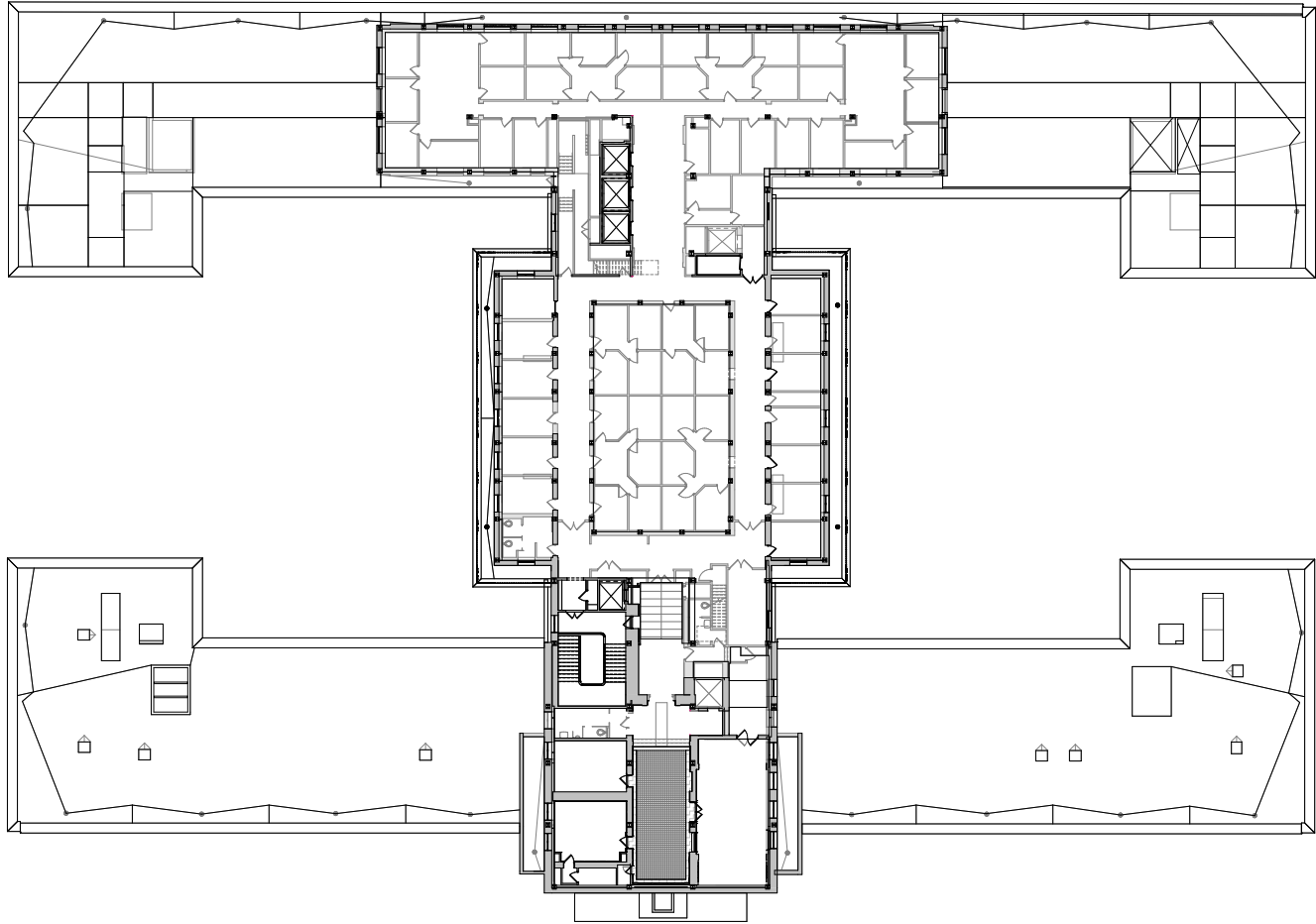


EXISTING BUILDING PLAN

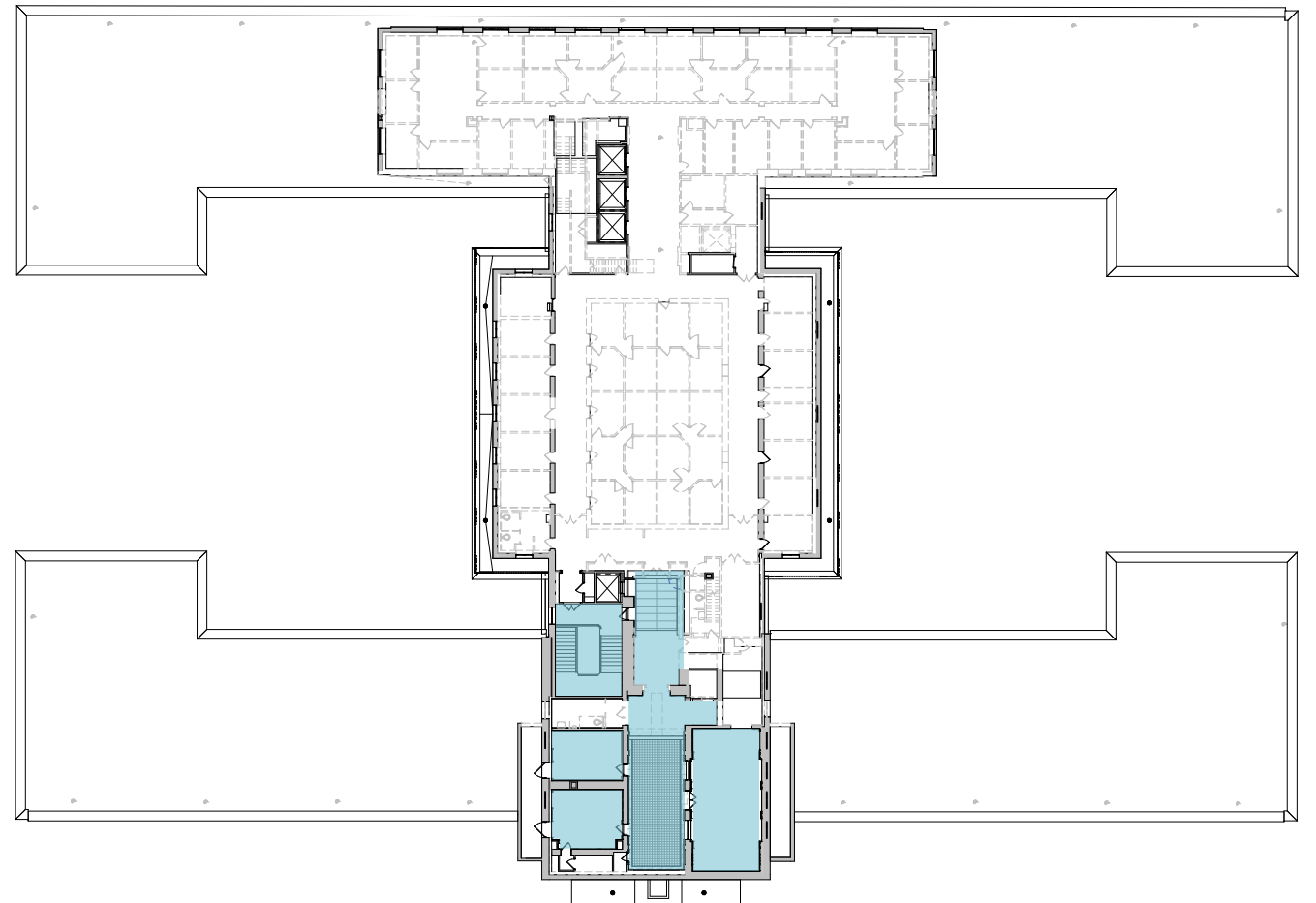


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- AREA OF HISTORIC CORRIDOR AND CEILING PRESERVATION
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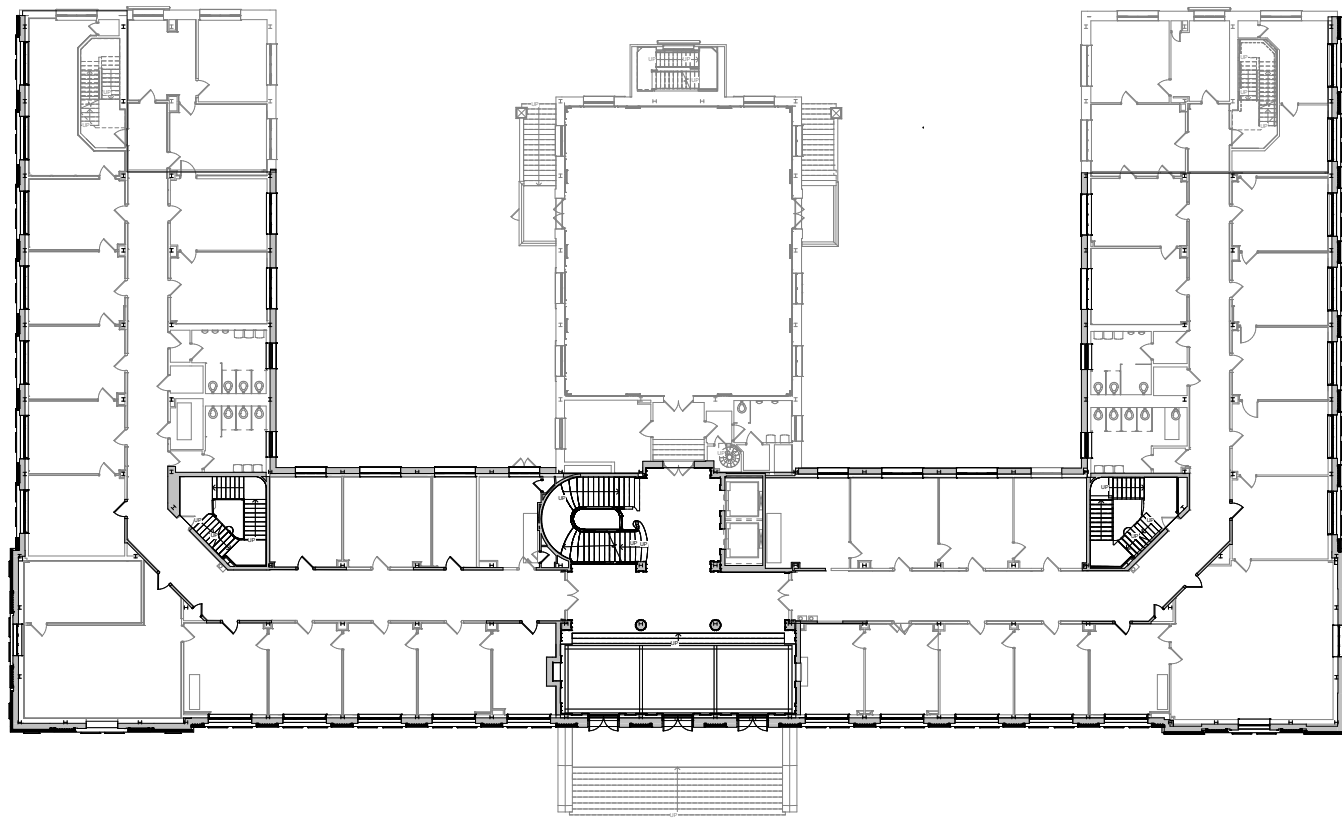


EXISTING BUILDING PLAN

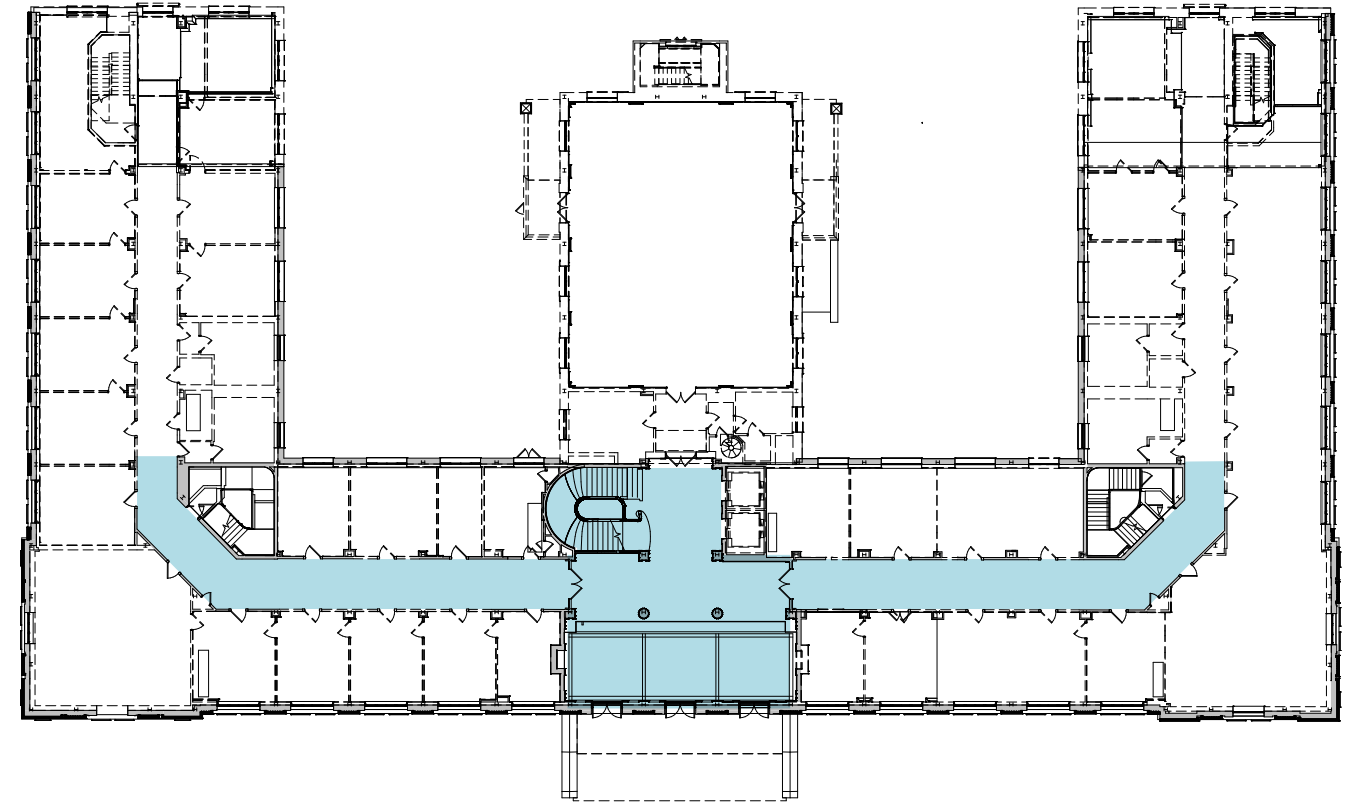


PROPOSED PLAN

- AREA OF HISTORIC CORRIDOR AND CEILING PRESERVATION
- PARTITIONS TO BE REMOVED

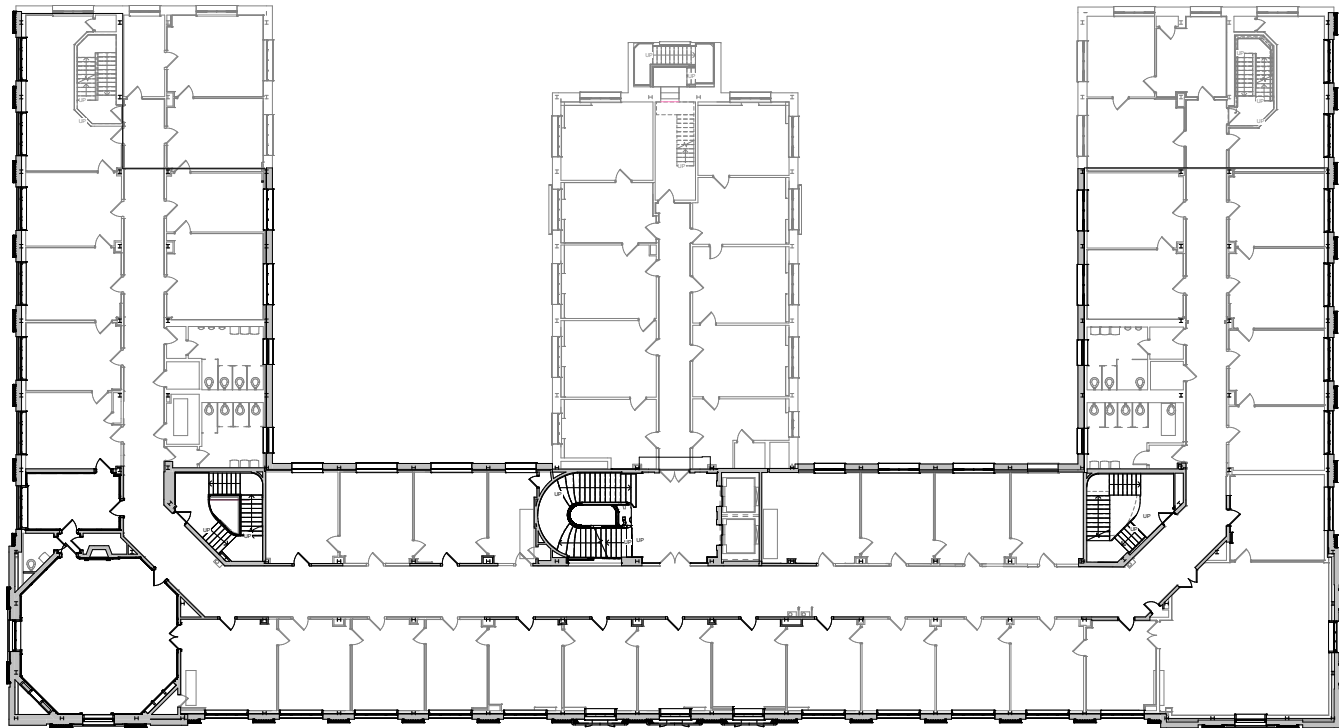


EXISTING BUILDING PLAN

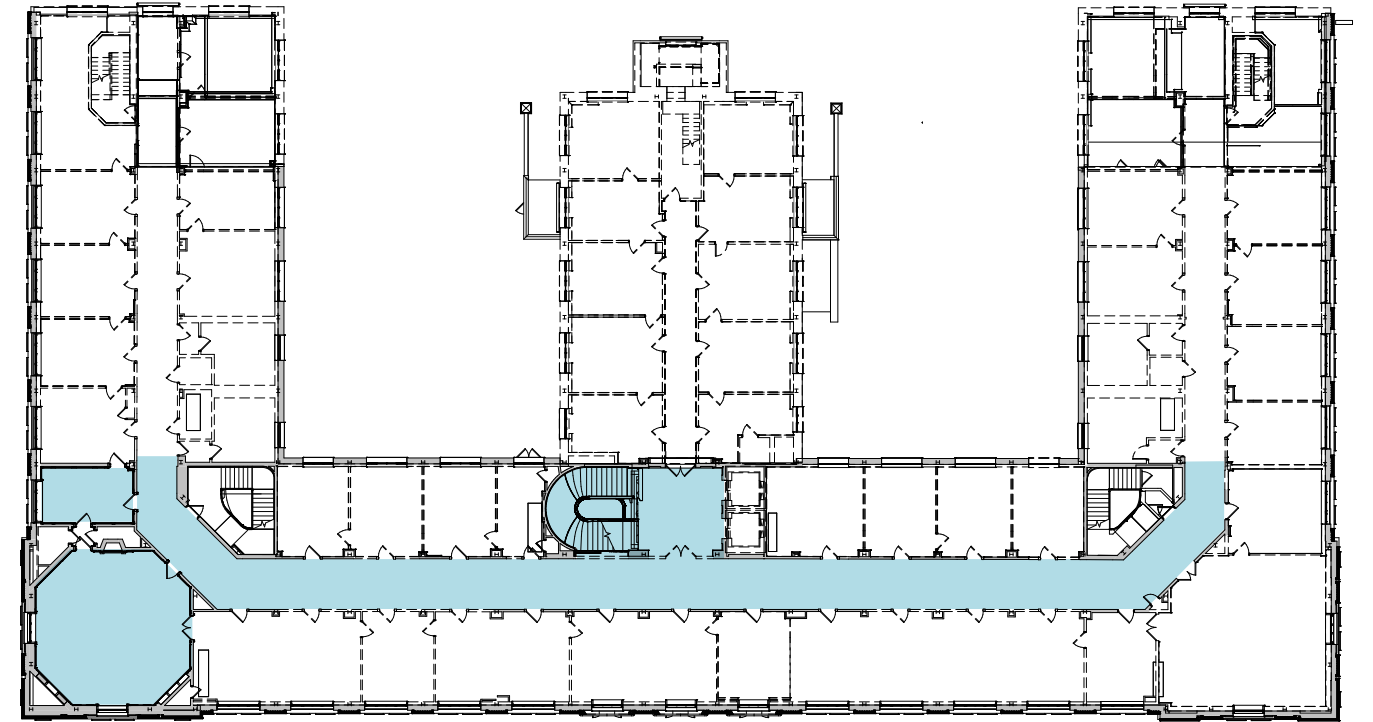


PROPOSED PLAN

- AREA OF HISTORIC CORRIDOR AND CEILING PRESERVATION
- PARTITIONS TO BE REMOVED

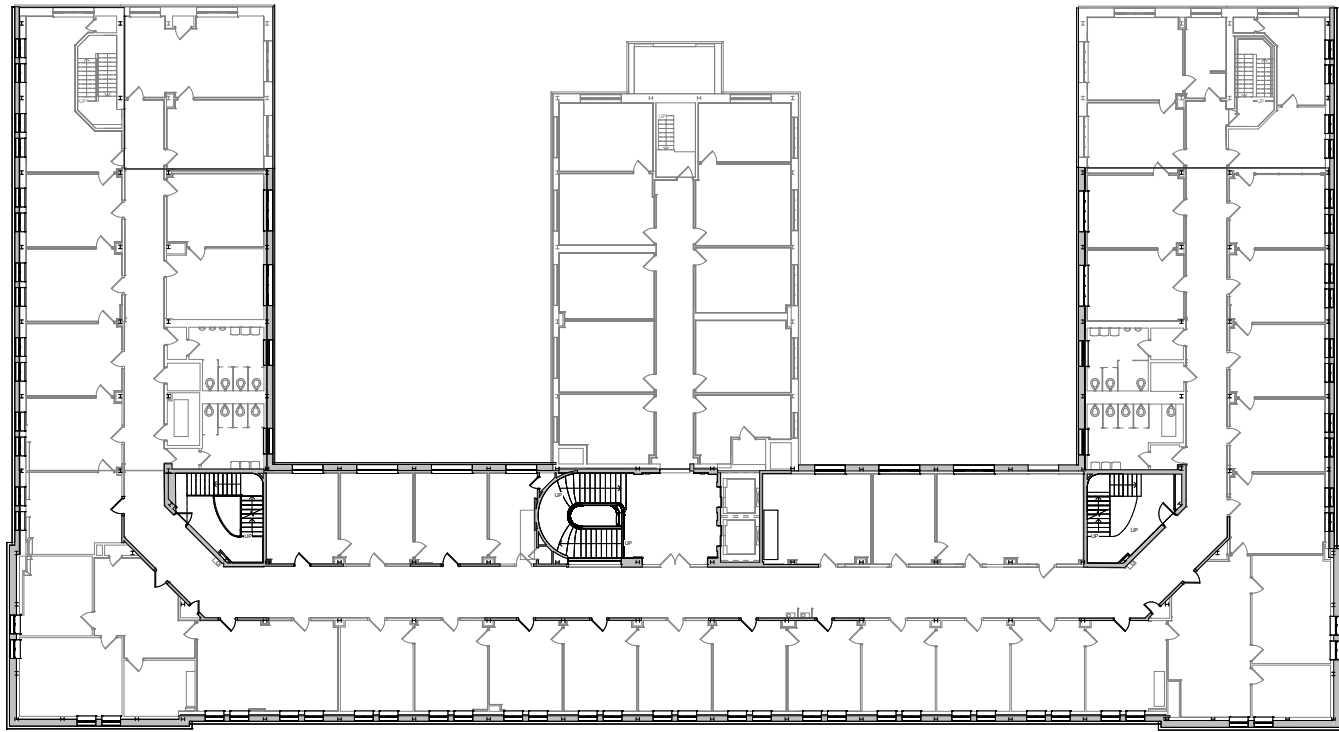


EXISTING BUILDING PLAN

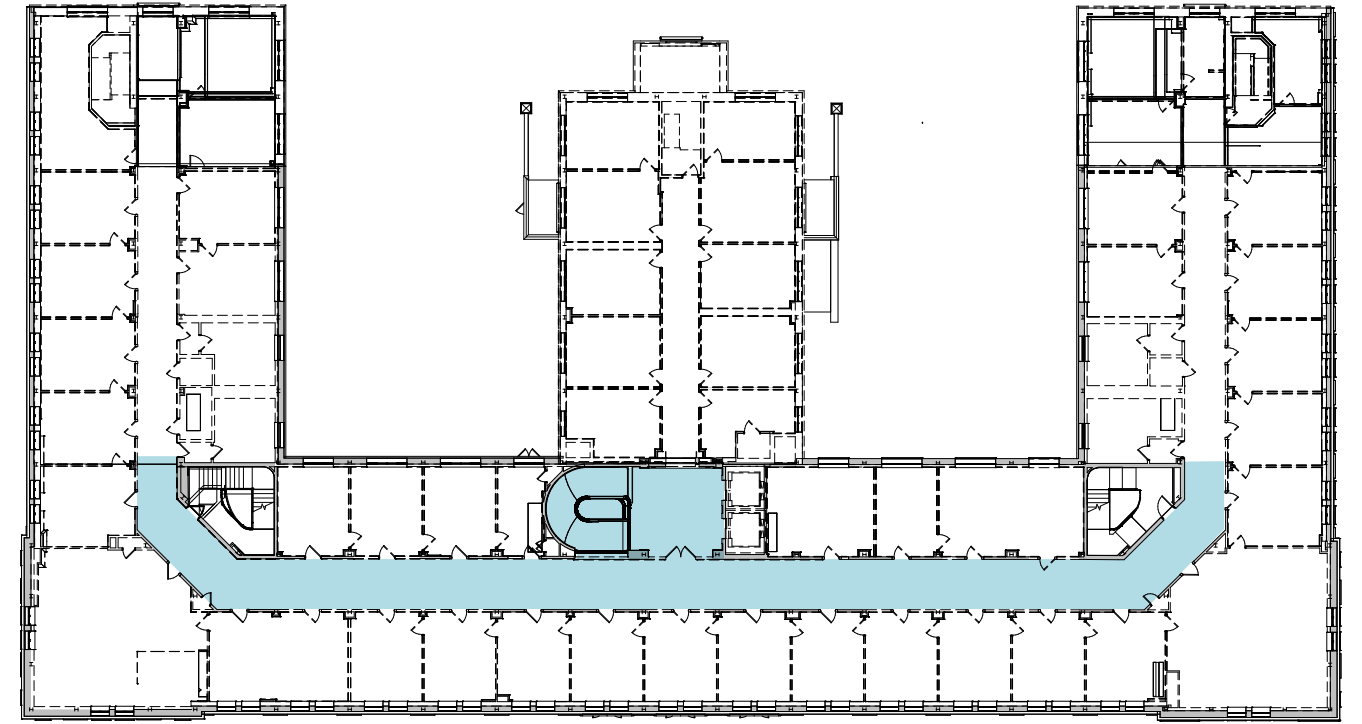


PROPOSED PLAN

- AREA OF HISTORIC CORRIDOR AND CEILING PRESERVATION
- PARTITIONS TO BE REMOVED



EXISTING BUILDING PLAN



PROPOSED PLAN

- AREA OF HISTORIC CORRIDOR AND CEILING PRESERVATION
- PARTITIONS TO BE REMOVED

NEXT STEPS

MILESTONE	DATE
Public Scoping Meeting	September/October 2019
Public/Consulting Parties Meeting #2	October 16, 2019
Public/Consulting Parties Meeting #3	March 17, 2020
Public/Consulting Parties Meeting #4	June 24, 2020
Public/Consulting Parties Meeting #5	October 27, 2020
Public/Consulting Parties Meeting #6	Winter 2021
Preparation of Environmental Assessment Public Review Draft	September 2019 through Fall 2020
EA Public Review Period	September/October 2020
Section 106 Consultation	September 2019 through Fall 2020/Winter 2021
Anticipated Preparation of Decision Document	Fall 2020/Winter 2021

SCHEDULE & NEXT STEPS



FEDERAL RESERVE BOARD-EAST BUILDING TERRACE

QUESTIONS AND COMMENTS:

This presentation will be posted to the NCPC website at the following URL:

<https://www.ncpc.gov/projects/8113/>

Consulting parties and the public may submit questions or comments on these materials by

Tuesday, November 24, 2020

Comments and questions can be addressed to:

FRB-Renovation@frb.gov

HOW TO COMMENT



QUESTIONS AND COMMENTS