MARRINER S. ECCLES BUILDING AND FEDERAL RESERVE BOARD-EAST BUILDING RENOVATION AND EXPANSION SECTION 106 CONSULTATION

JANUARY 26, 2021





- Welcome and Introductions
- Meeting Purpose
- Process Update
- Design Updates
- Mitigation
- Next Steps and Timeline

MARRINER S. ECCLES BUILDING

MEETING AGENDA

PROCESS UPDATE

STEP 1 PROJECT INITIATION

- Develop purpose & need
- Public scoping

STEP 2 DATA COLLECTION

- Analysis of existing conditions
- Identify needed studies
- Identify historic properties

STEP 3 ALTERNATIVES/ANALYSIS

- Develop and analyze a range of alternatives
- Assess effects

STEP 4 PRODUCE DOCUMENT

- Release EA to public, including proposed historic preservation and environmental mitigation measures
- 30-day public comment period

PUBLIC INVOLVEMENT

SEPTEMBER 2019 PUBLIC MEETING

• Public Involvement + **Comment Analysis**

OCTOBER 2019 PUBLIC MEETING

Fall 2020 PUBLIC COMMENTS

• Public Involvement + **Comment Analysis**

MARCH/JUNE 2020 PUBLIC MEETINGS

• Public Involvement + **Comment Analysis**

• Public Involvement + **Comment Analysis**

PROCESS UPDATE



WE ARE HERE



- Review all public comments received on the EA and respond to comments
- Prepare Finding of No Significant Impact (FONSI), as appropriate



OCTOBER 2020/JANUARY 2021 PUBLIC MEETING

• Public Involvement + **Comment Analysis**

Define the Undertaking / Initiate Section 106

Identify Consulting Parties

Involve the Public

Define the Area of Potential Effect (APE)

Identify Cultural Resources within the APE

Assess Effects on Significant Resources

Apply Criteria of Adverse Effect

Continue Consultation

Draft an Agreement Document, if needed



AGENCY	MILESTONE	OUTCOME
CFA	Informational Hearing, November 21, 2019	
NCPC	Concept Design Review, December 5, 2019	Approval of the co
CFA	Concept Hearing, January 16, 2020	Approval of the ge improvements
CFA	Revised Concept Hearing, May 21, 2020	Approval of the co project site/lands
CFA	Revised Concept Hearing, July 16, 2020	Approval of the co FRB-East Building
NCPC	Preliminary Design Review, October 1, 2020	Approval of the pr
NCPC	Final Review, Spring 2021	
CFA	Final Review, Spring 2021	

oncept design proposal

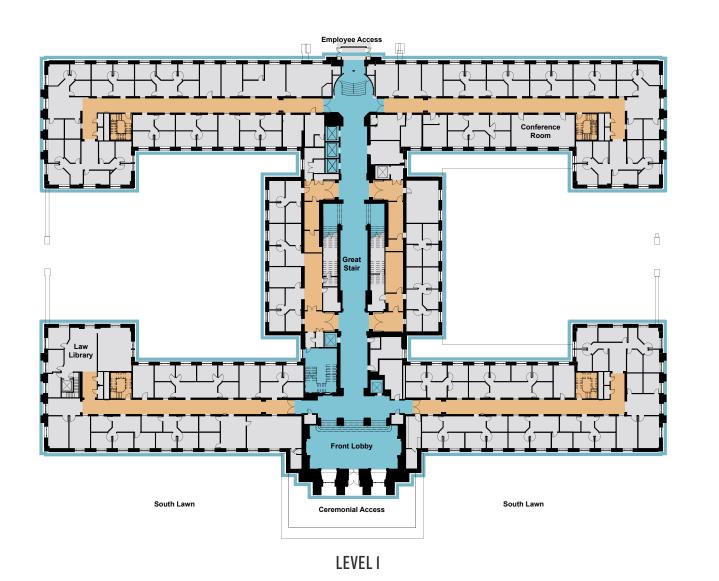
eneral massing and site

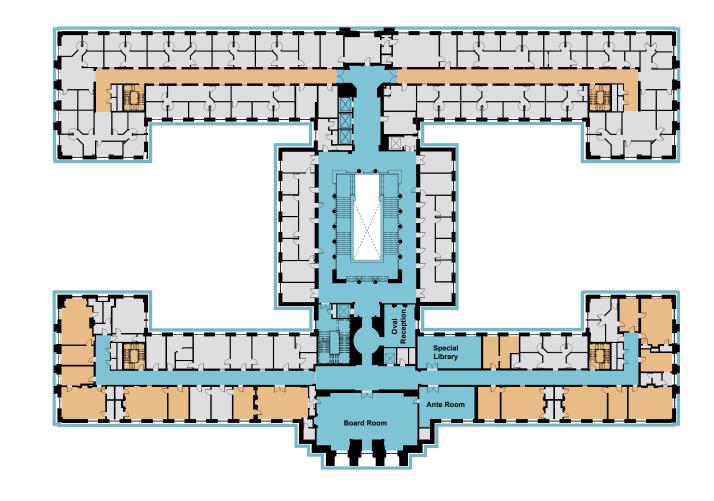
concept design for the overall scape and the Eccles Building

oncept design for the g

oreliminary design proposal

ECCLES BUILDING DESIGN UPDATES





LEVEL 2

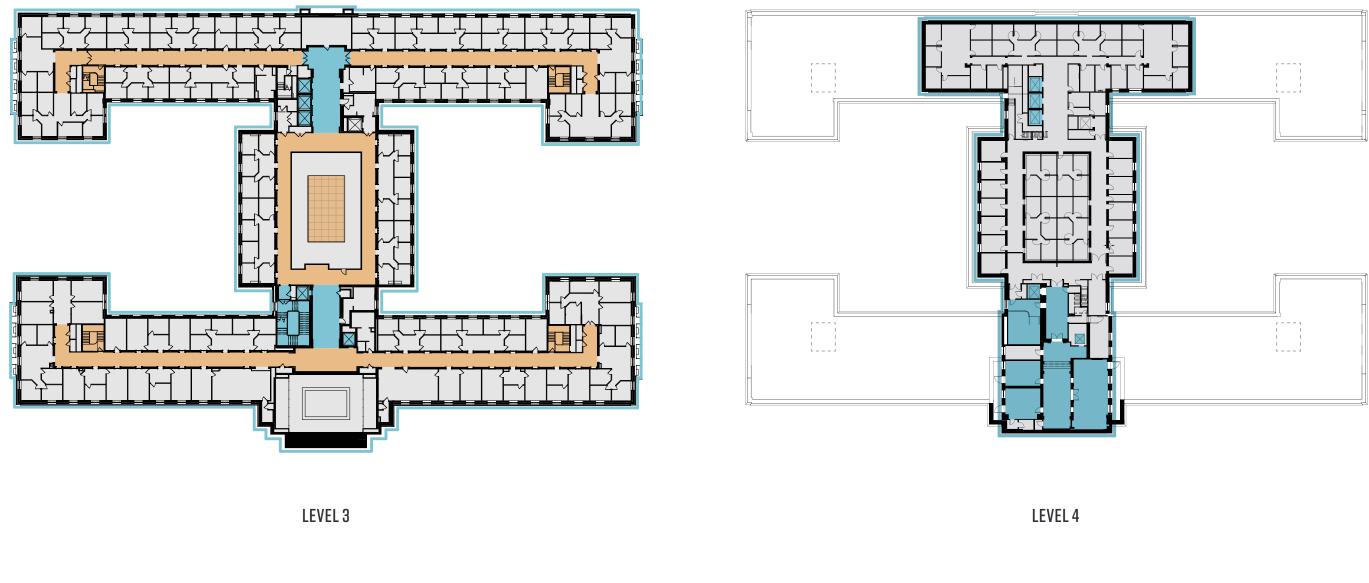
PRESERVATION ZONES

Zone 2

Zone 1

Zone 3







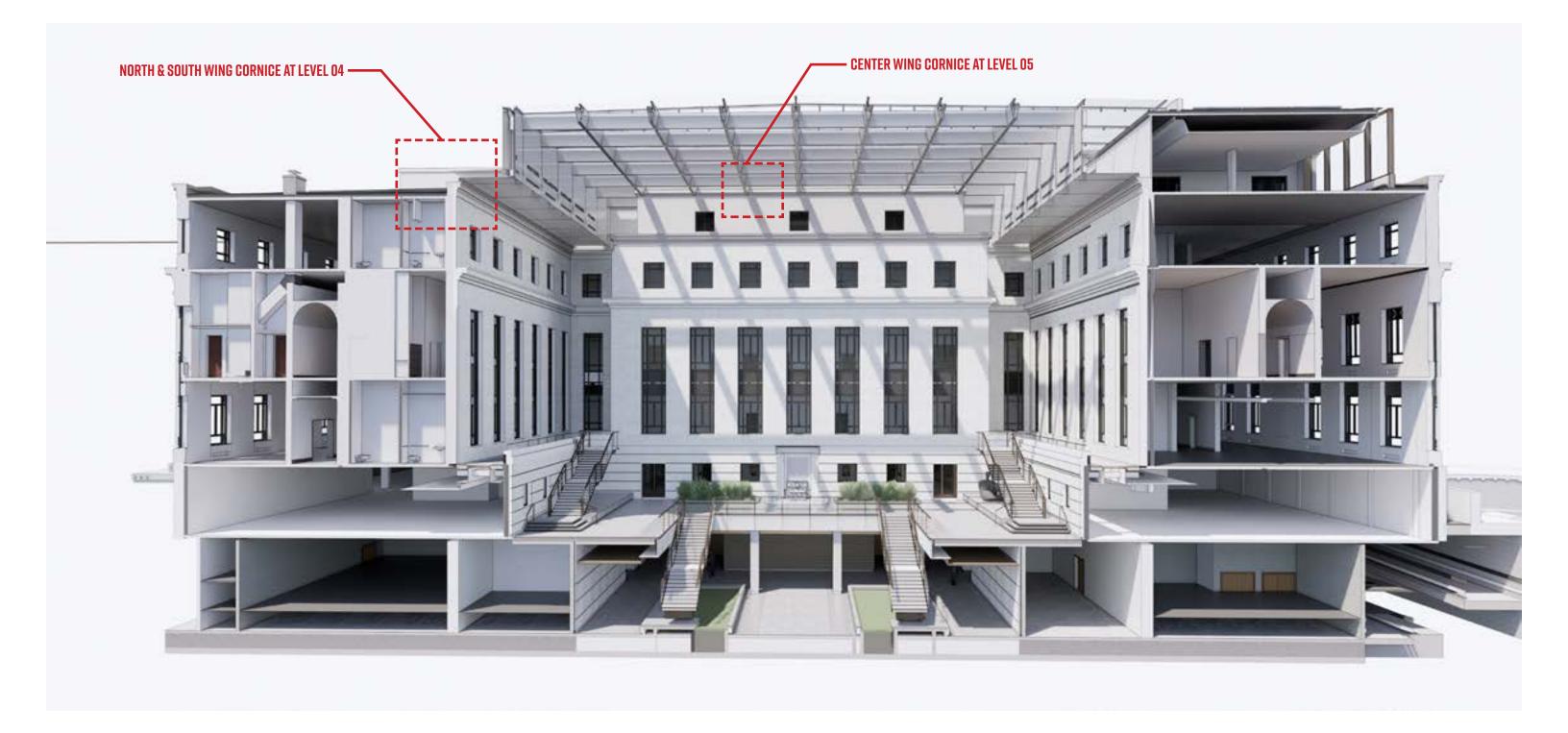
Zone 3

PRESERVATION ZONES

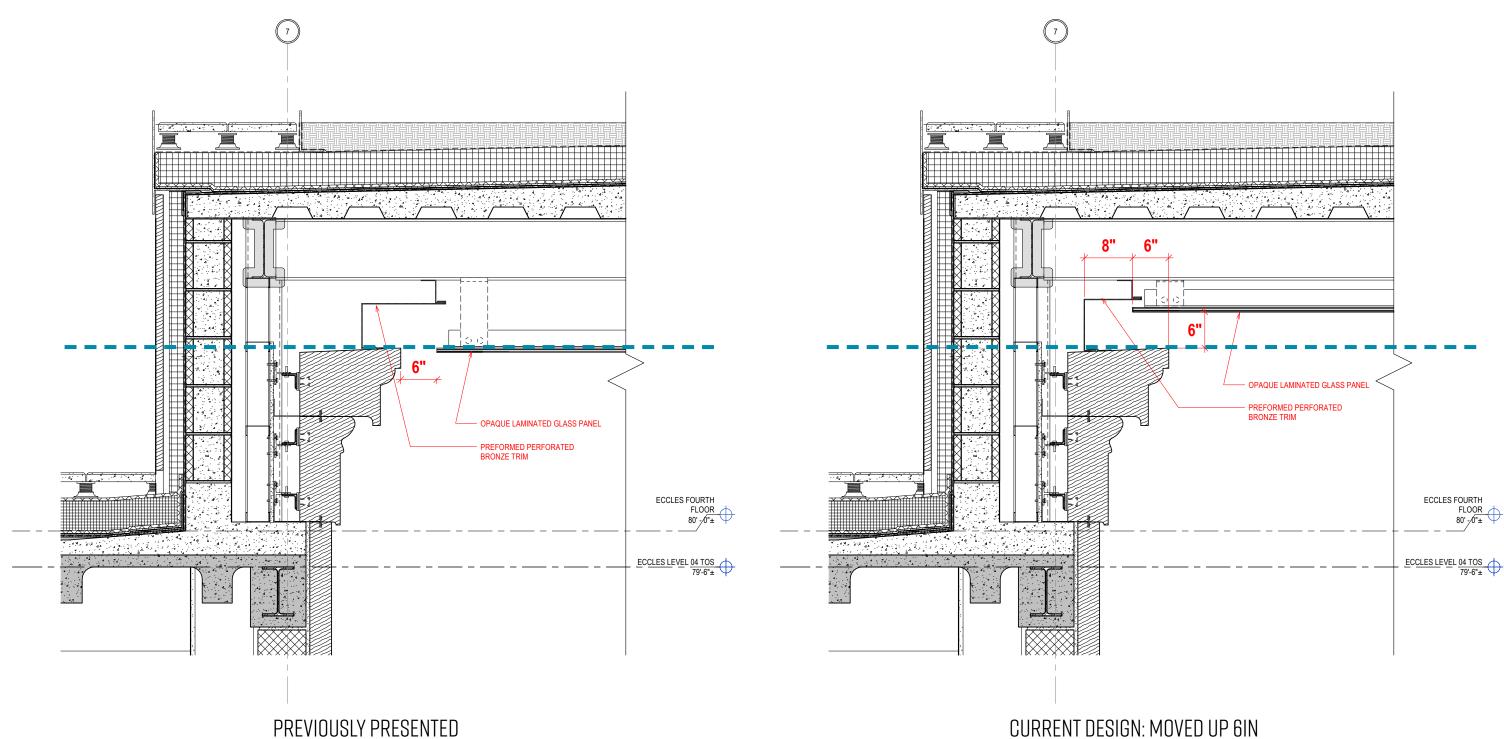
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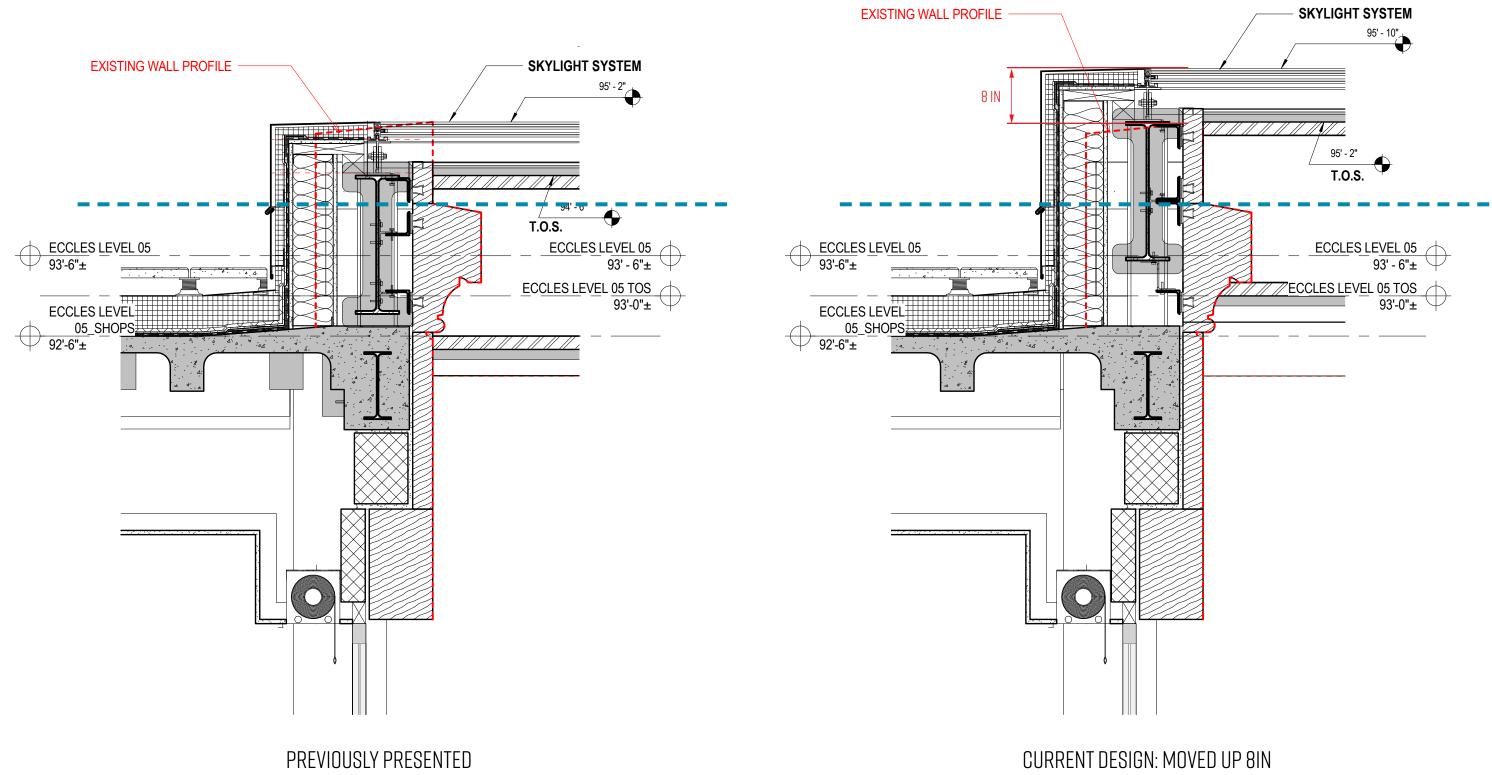
SKYLIGHT



SKYLIGHT INTRODUCTION



SKYLIGHT NORTH AND SOUTH WING CORNICE AT LEVEL 04



SKYLIGHT CENTER WING CORNICE AT LEVEL 05



SKYLIGHT PREVIOUSLY PRESENTED



SKYLIGHT MOVED 8 INCHES UP



PREVIOUSLY PRESENTED



MOVED 8 INCHES UP

SKYLIGHT VIEW FROM 20TH STREET

JANUARY 26, 2021

SKYLIGHT VIEW FROM CONSTITUTION AVENUE





PREVIOUSLY PRESENTED





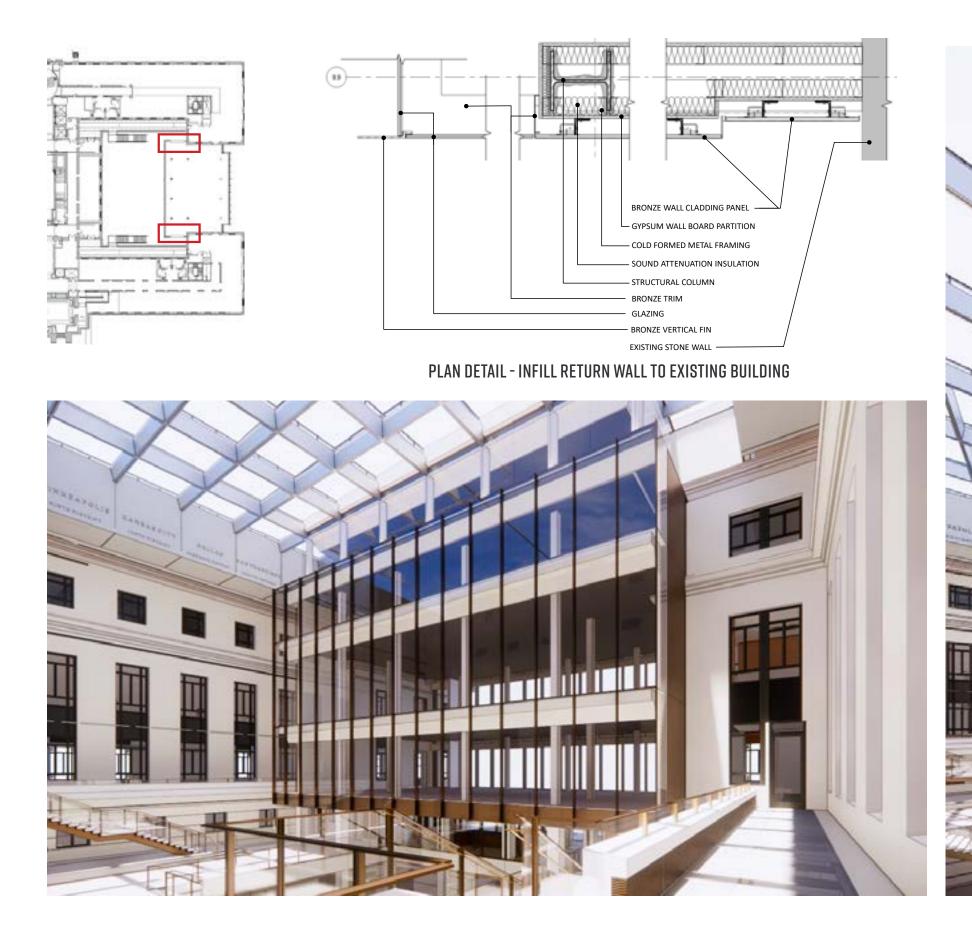
PREVIOUSLY PRESENTED



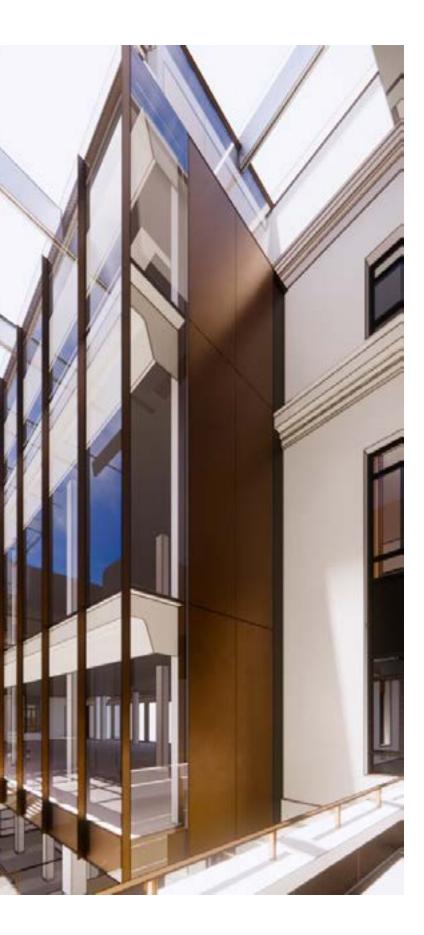
MOVED 8 INCHES UP

SKYLIGHT VIEW FROM 2IST STREET



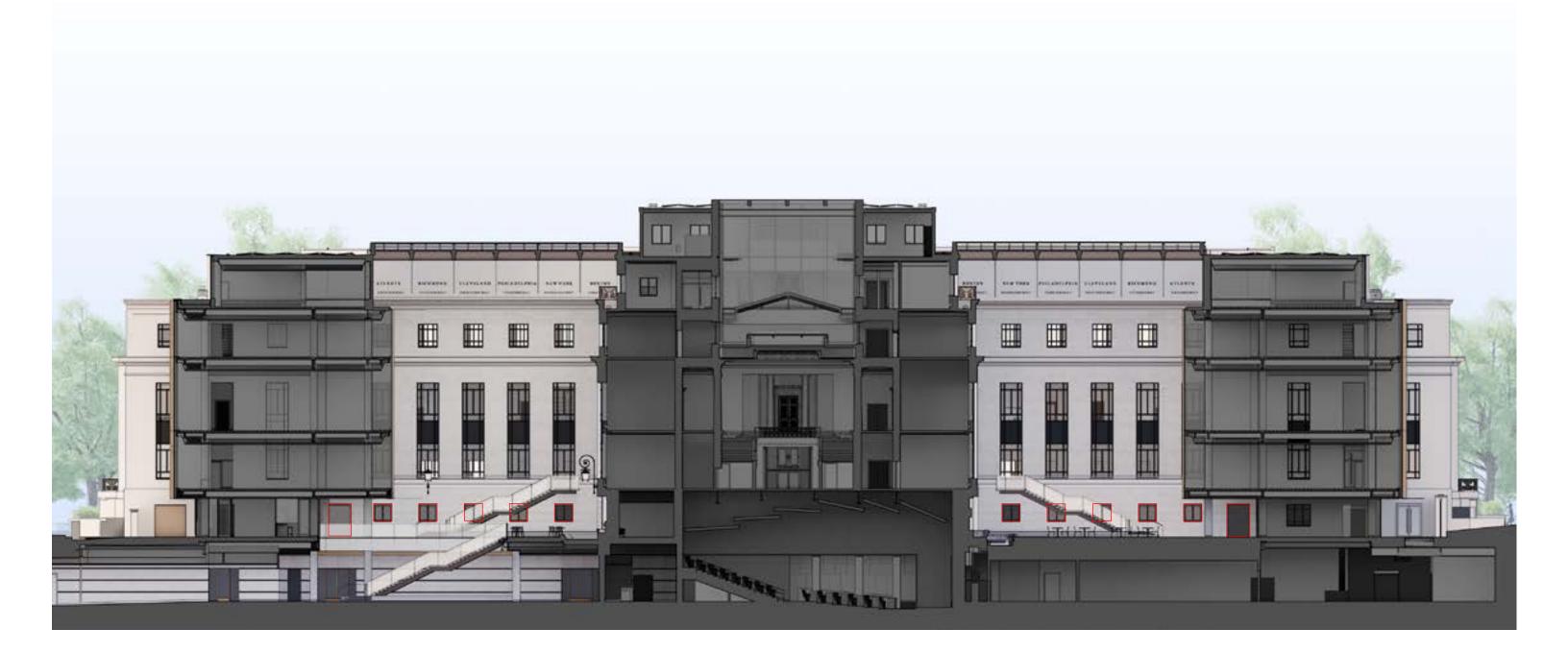


JANUARY 26, 2021



NEW OPENINGS





ATRIUM OPENINGS LEVEL CI OPENING LOCATIONS

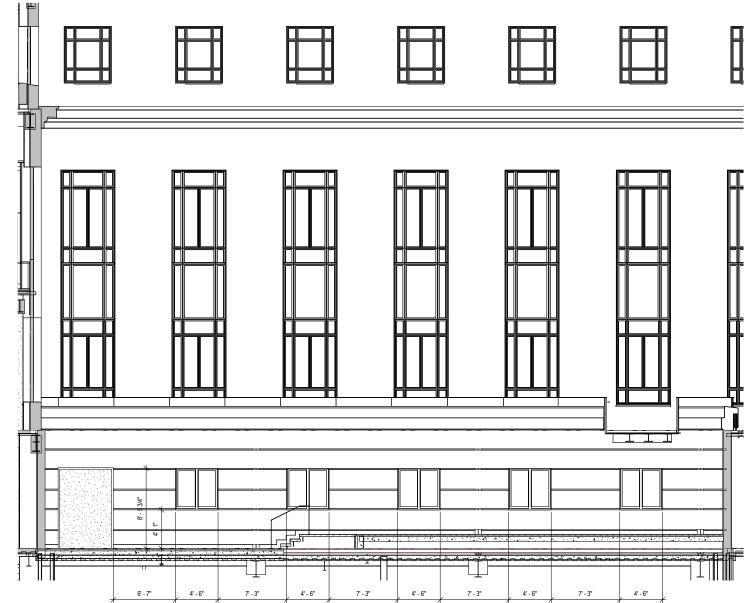




Proposed Design

EAST ATRIUM OPENINGS NORTH ELEVATION



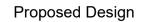


Proposed Design

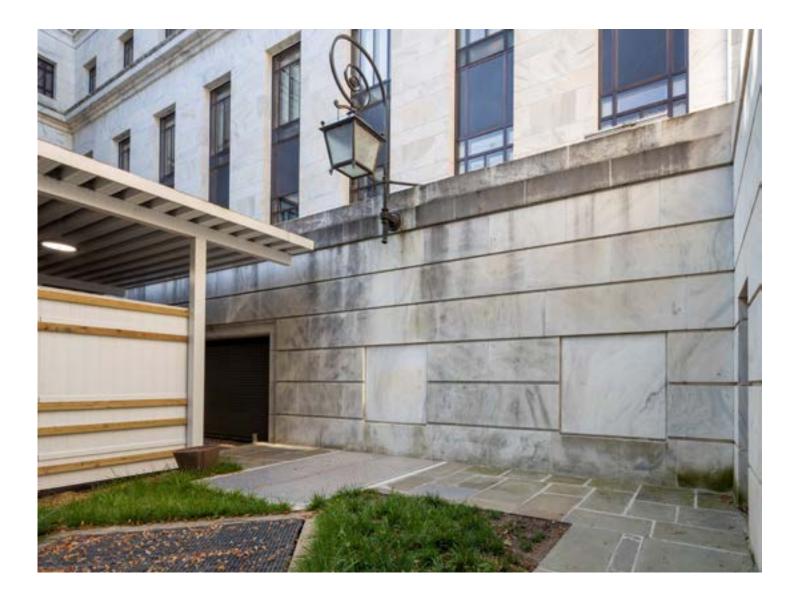
EAST ATRIUM OPENINGS SOUTH ELEVATION







WEST ATRIUM OPENINGS NORTH ELEVATION

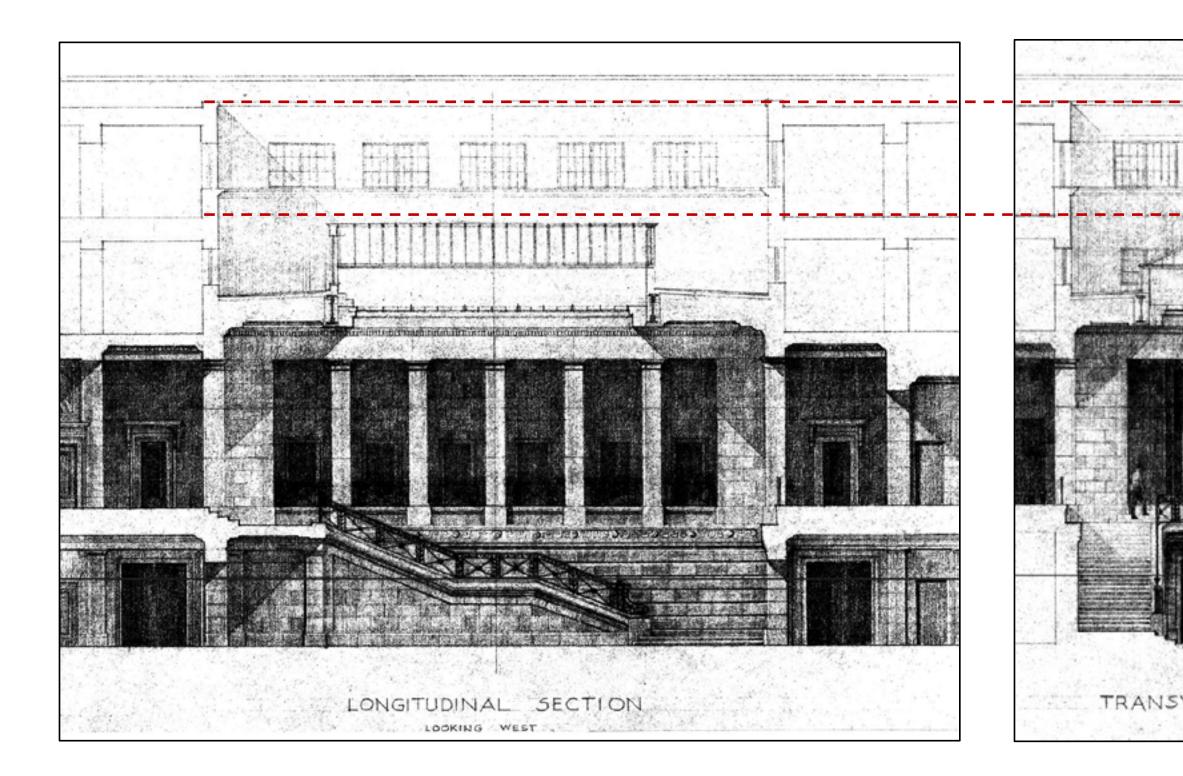




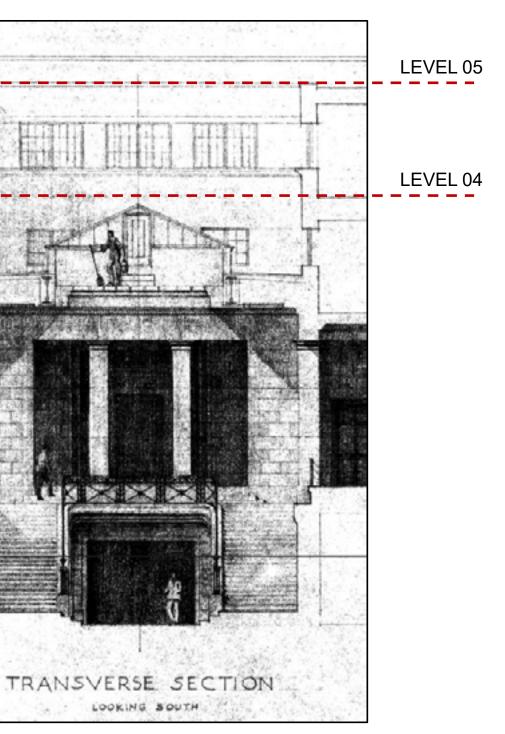
Proposed Design

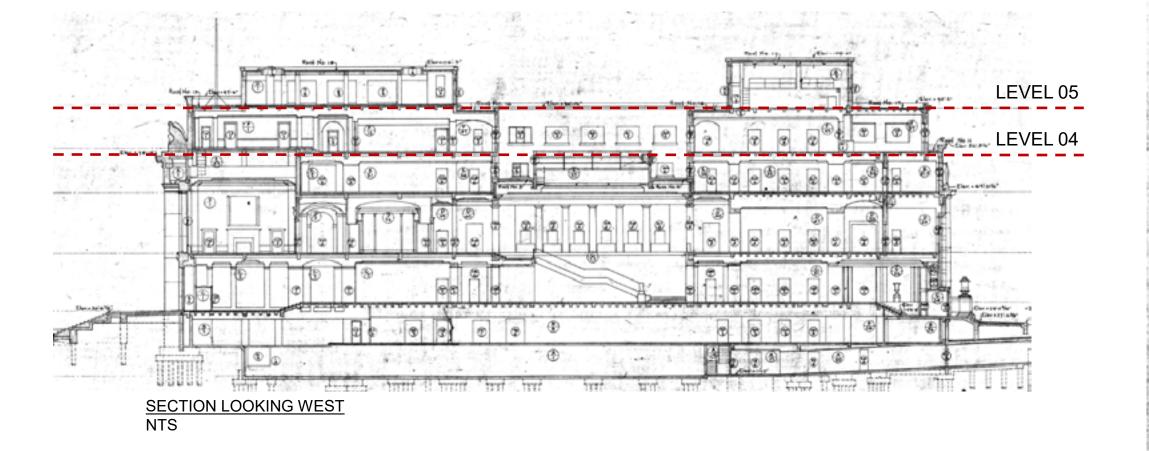
WEST ATRIUM OPENINGS SOUTH ELEVATION

LAYLIGHT

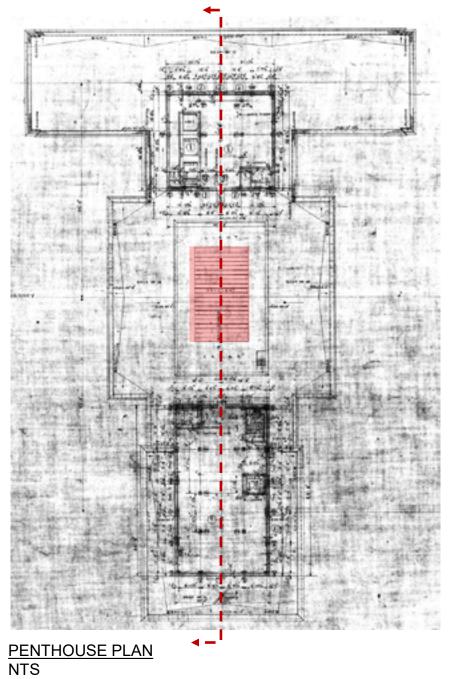


LAYLIGHT HISTORIC SKYLIGHT CONFIGURATION





LAYLIGHT HISTORIC BUILDING ENVELOPE

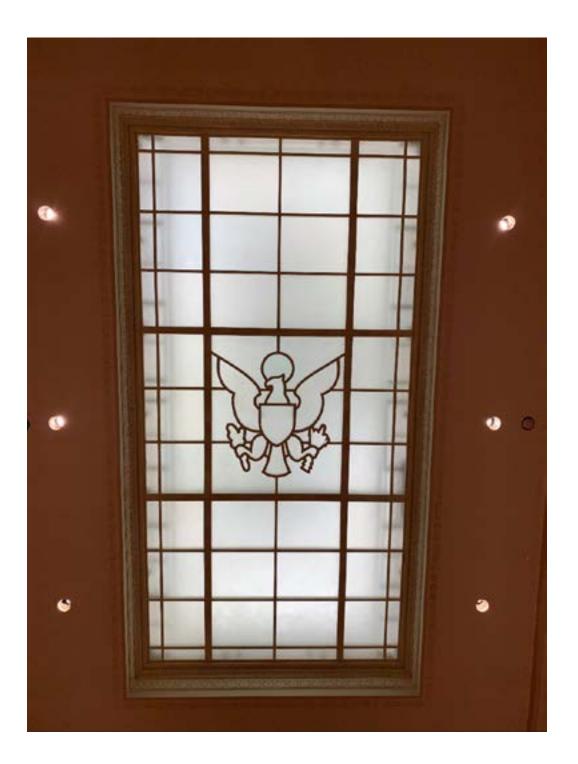






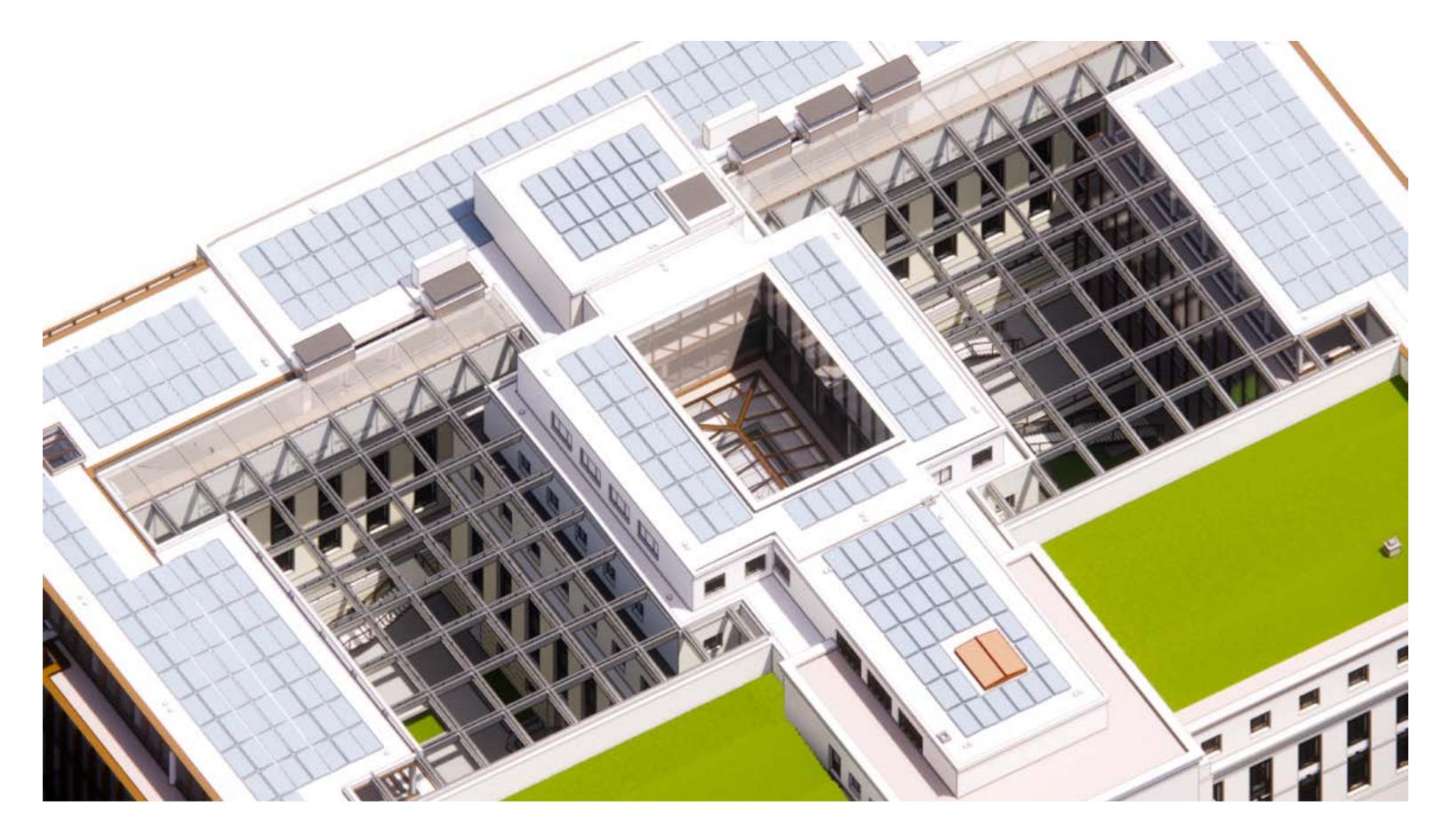


LAYLIGHT HISTORIC GRAND HALL LIGHTING CONDITIONS

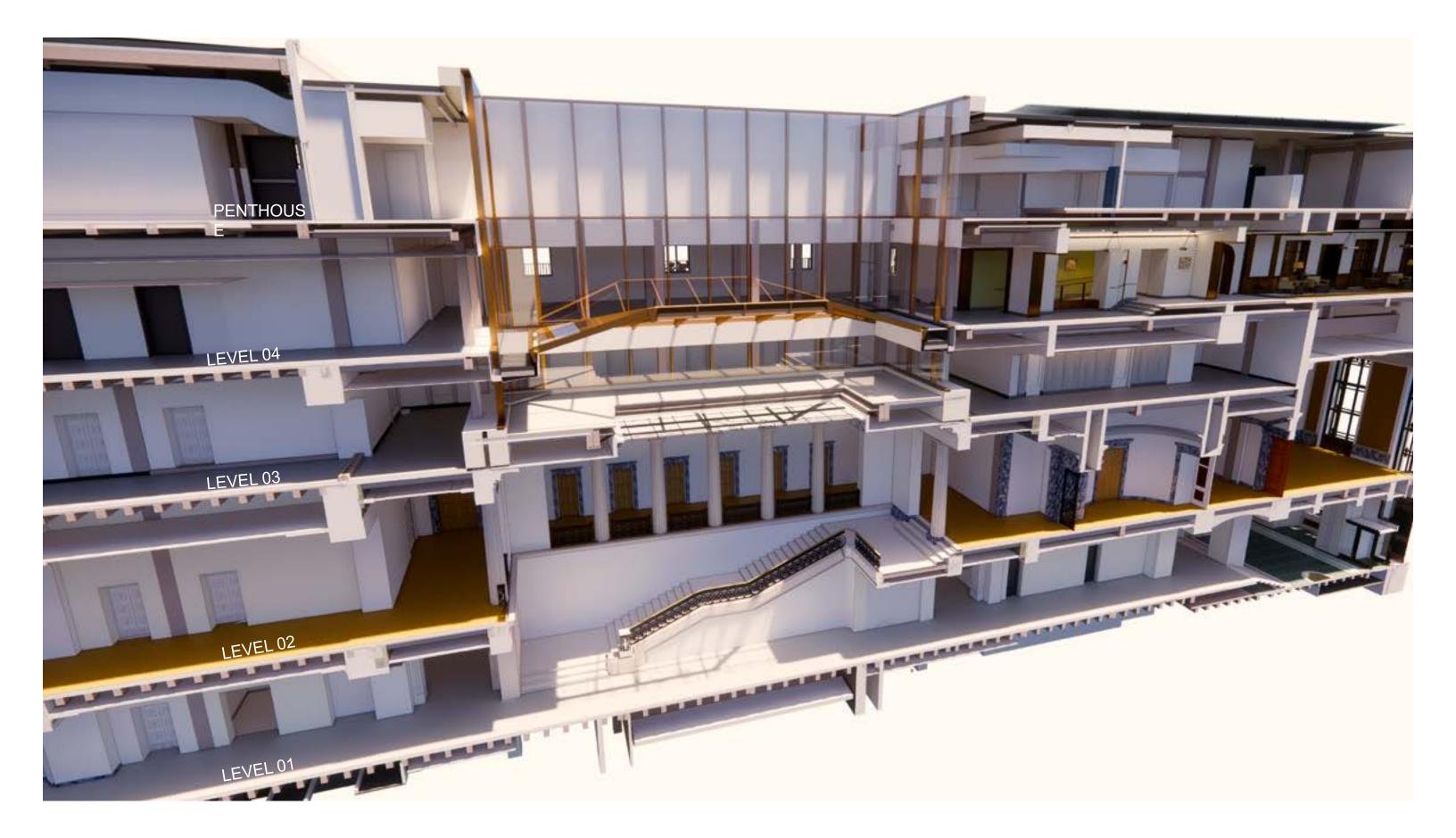




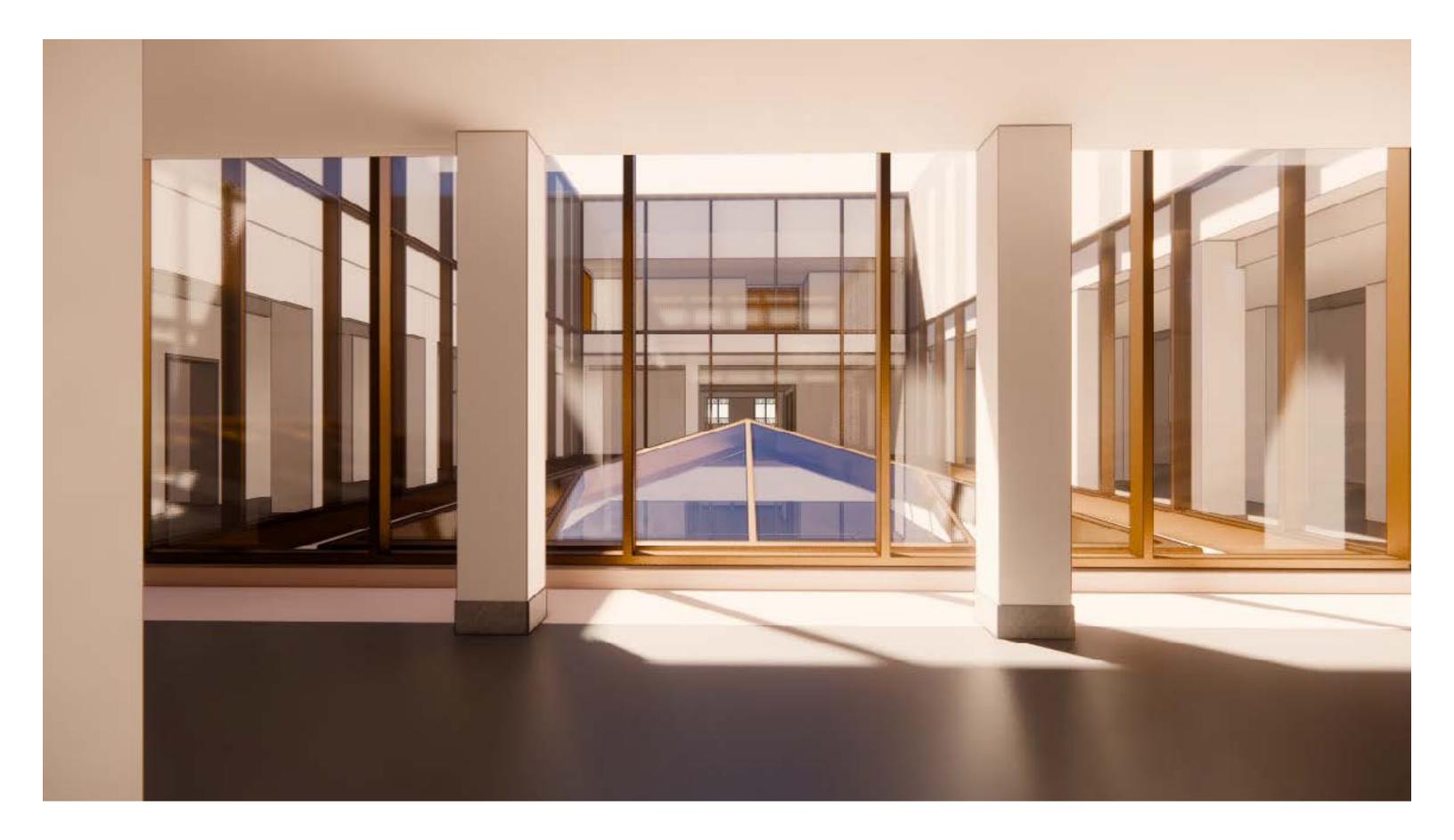
LAYLIGHT PRESENT DAY CONDITIONS



LAYLIGHT PROPOSED DESIGN | BIRD'S EYE VIEW



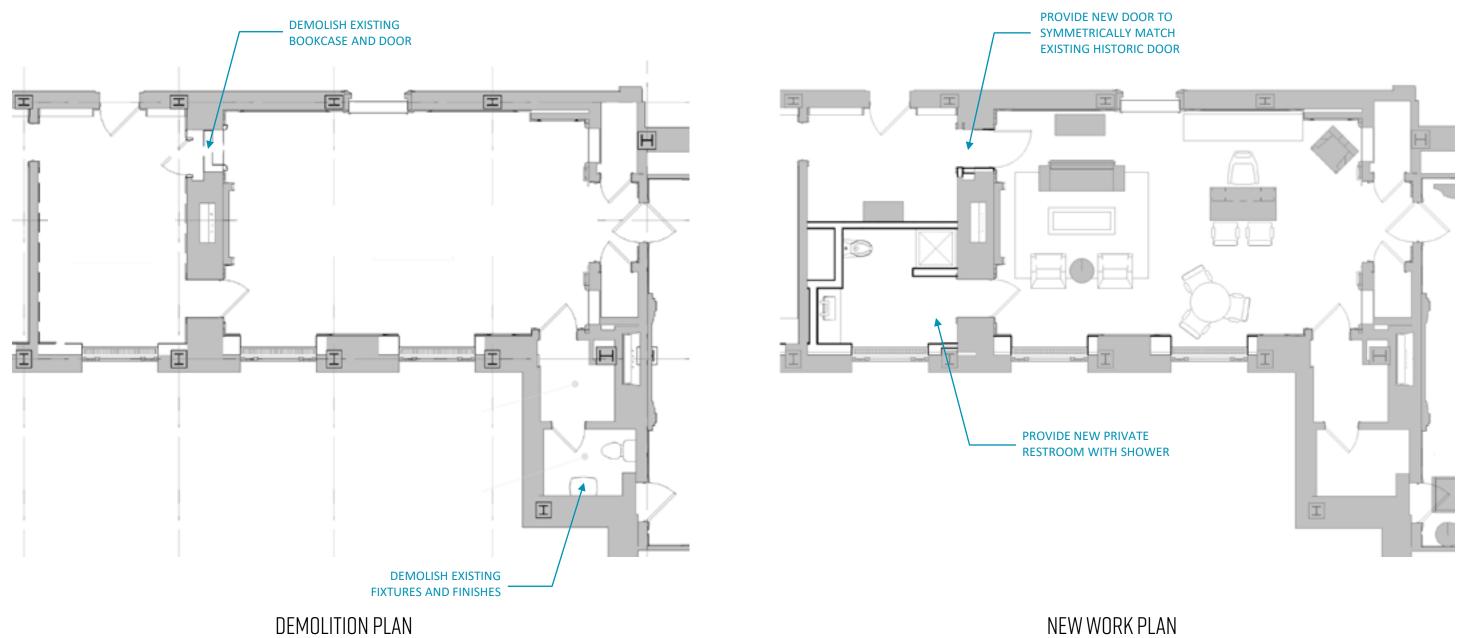
LAYLIGHT PROPOSED DESIGN | SECTION PERSPECTIVE



LAYLIGHT PROPOSED DESIGN | VIEW FROM LEVEL 04

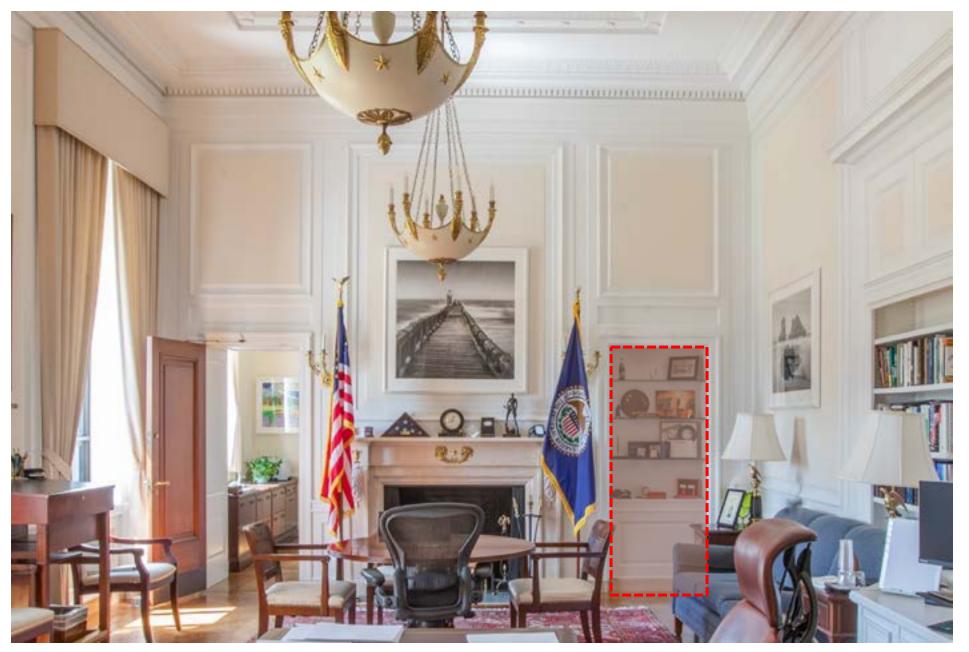
CHAIR'S OFFICE





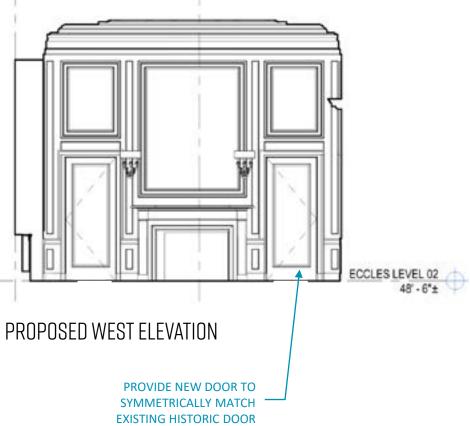
CHAIR'S OFFICE RECONFIGURATION





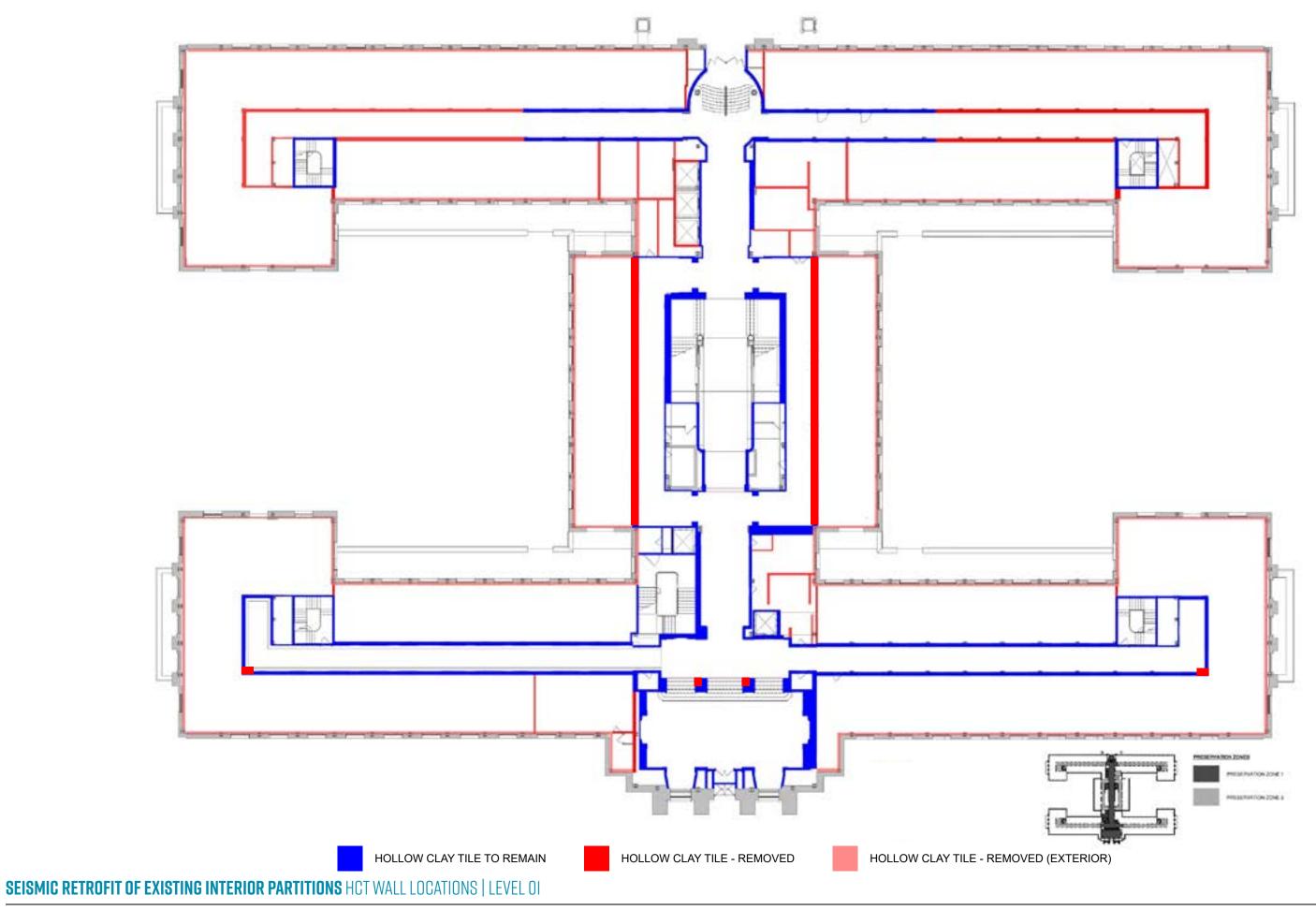
EXISTING VIEW OF WEST ELEVATION

CHAIR'S OFFICE RECONFIGURATION

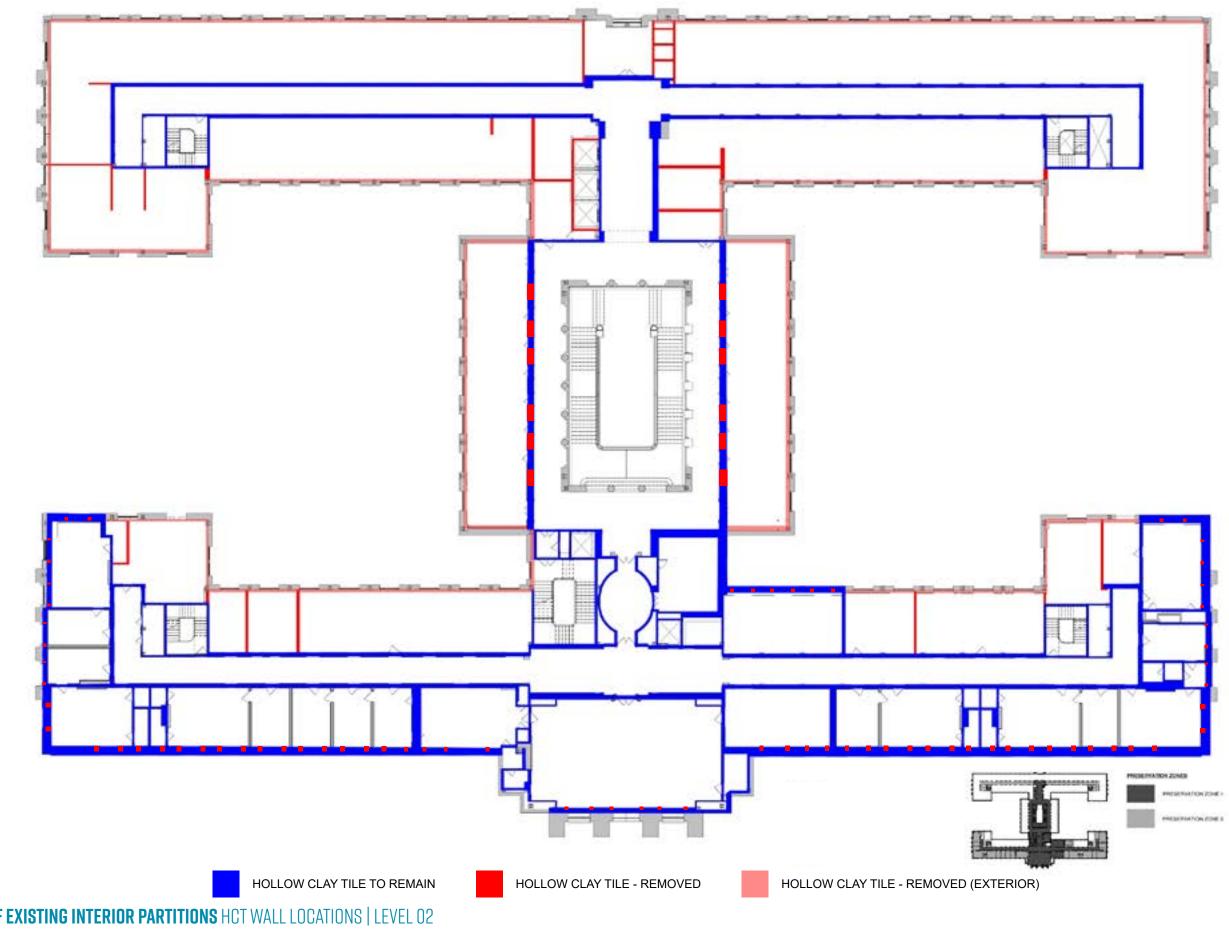




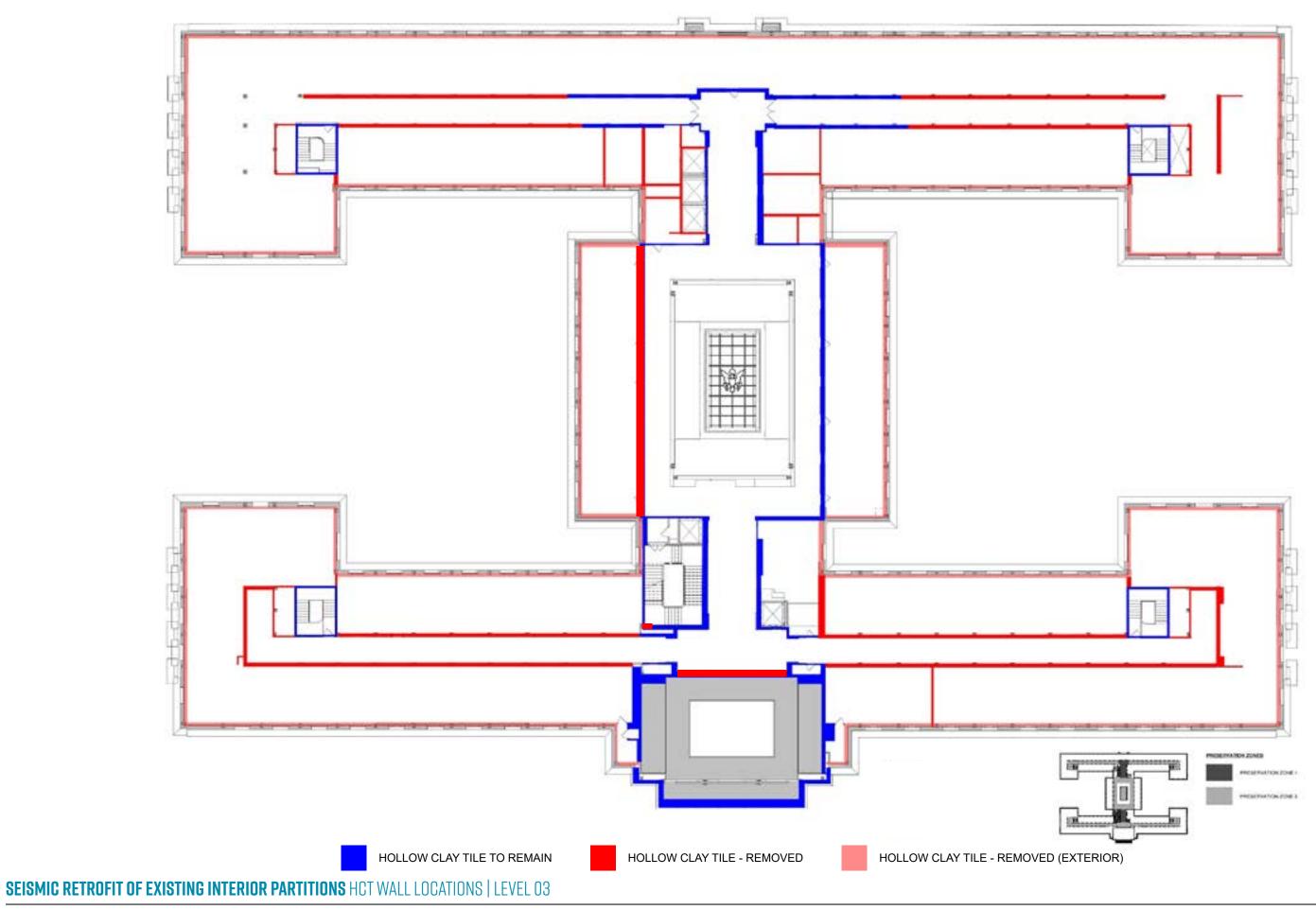




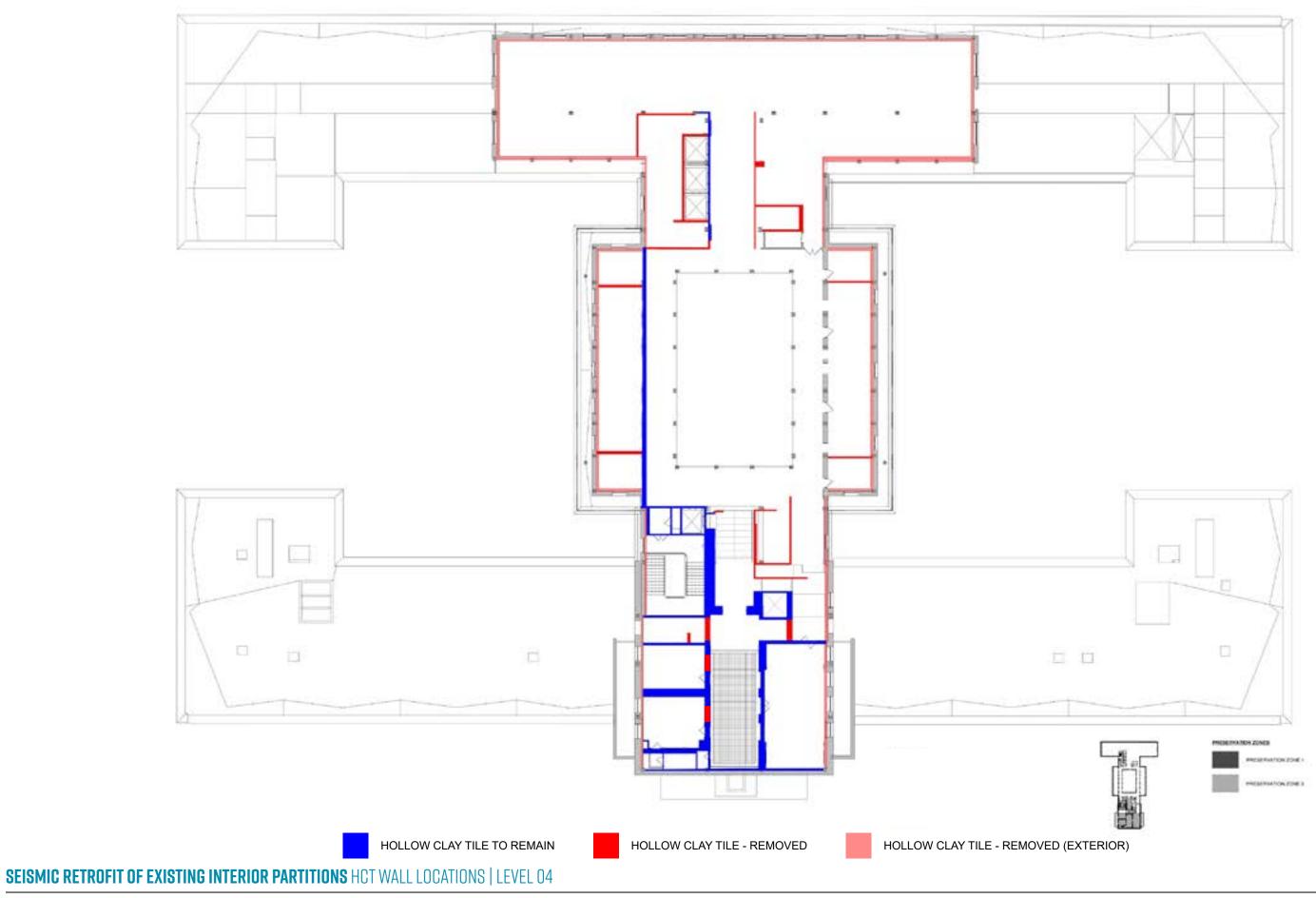








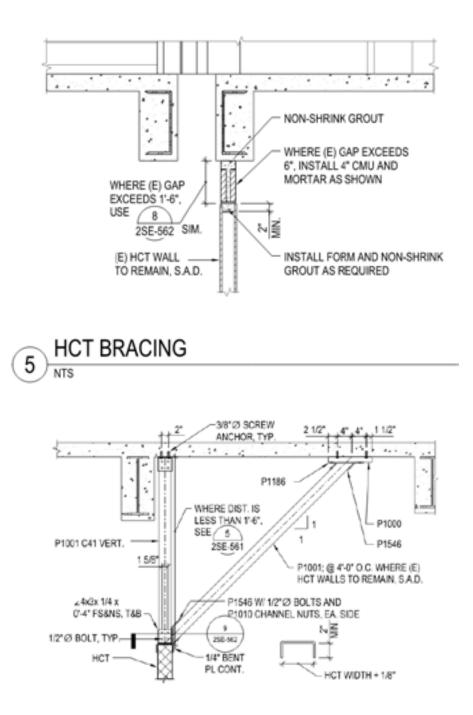






ACTIVATE ARCHING ACTION

SMALL GAP: FILL THE GAP WITH GROUT LARGE GAP: ADDING BRACING SYSTEMS ABOVE THE WALL

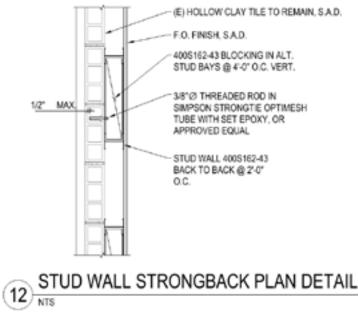


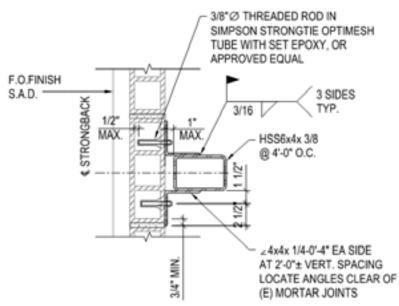
HCT BRACING 8 NTS

SEISMIC RETROFIT OF EXISTING INTERIOR PARTITIONS RETROFIT STRATEGIES

IMPROVE FLEXURAL BEHAVIOR

(S2) ADD TOP CONNECTION (S3) BRACE WALL WITH EXISTING CEILING (S4) INJECT EXPANSIVE FOAM BETWEEN WYTHES TO MOBILIZE COMPOSITE ACTION (S5) ADD STRONG BACKS - COLD-FORMED STEEL WALLS OR HSS MEMBERS





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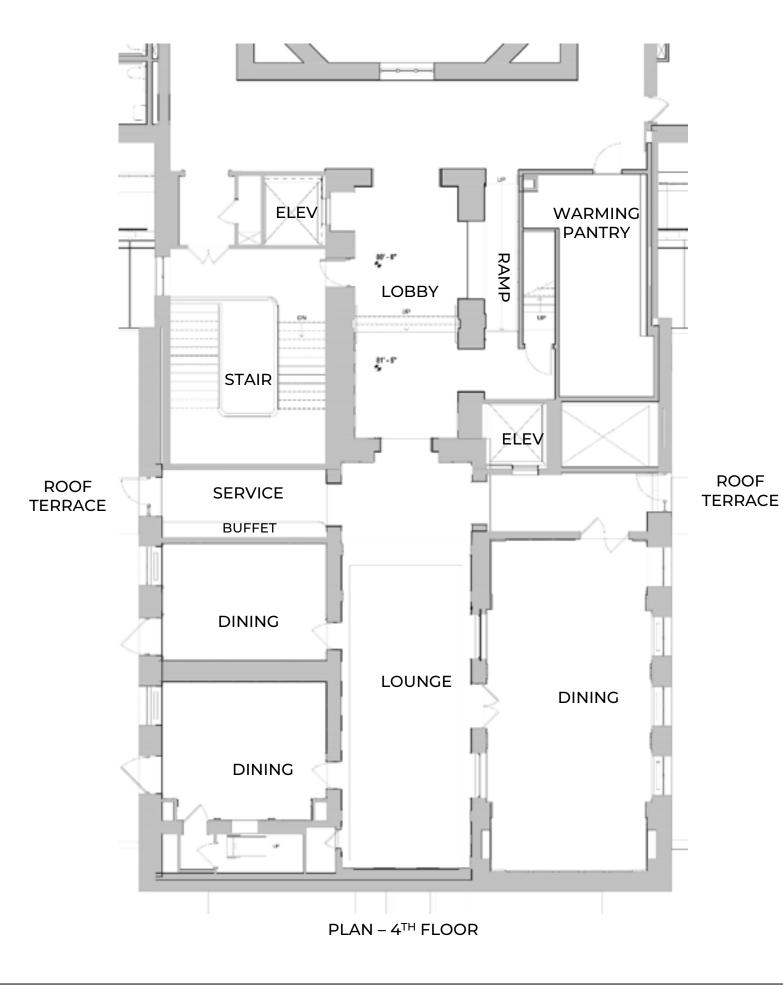
FOURTH FLOOR DINING

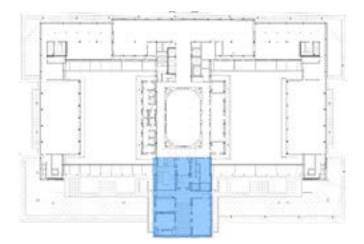




FOURTH FLOOR DINING PLAN

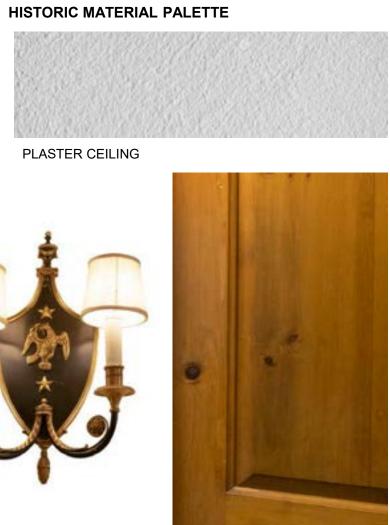


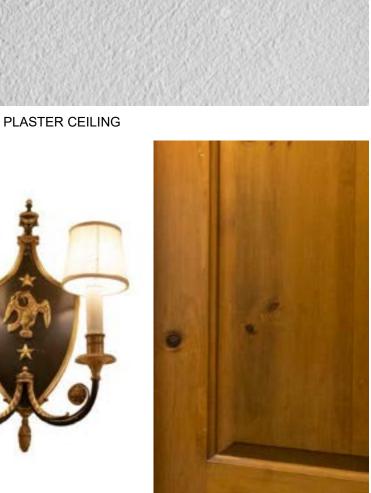




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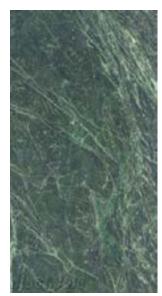




QUARRY TILE

FOURTH FLOOR DINING EXISTING MATERIAL PALETTE

NORWEGIAN PINE



CARDIFF GREEN MARBLE



VIEW OF LOBBY LOOKING SOUTH



VIEW OF LOBBY LOOKING NORTH

FOURTH FLOOR DINING VIEW OF LOBBY





VIEW OF LOBBY LOUNGE SOUTH

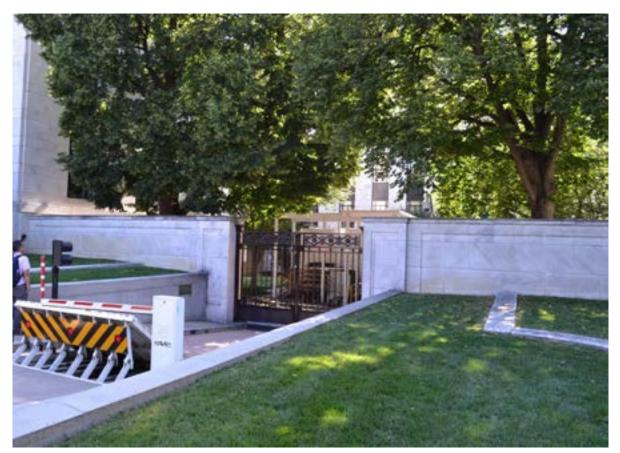


FOURTH FLOOR DINING VIEW OF LOUNGE



VIEW OF LOUNGE LOOKING NORTH

EAST AND WEST COURTYARD WALLS



Existing West Entry Landscape



Existing West Entry Approach

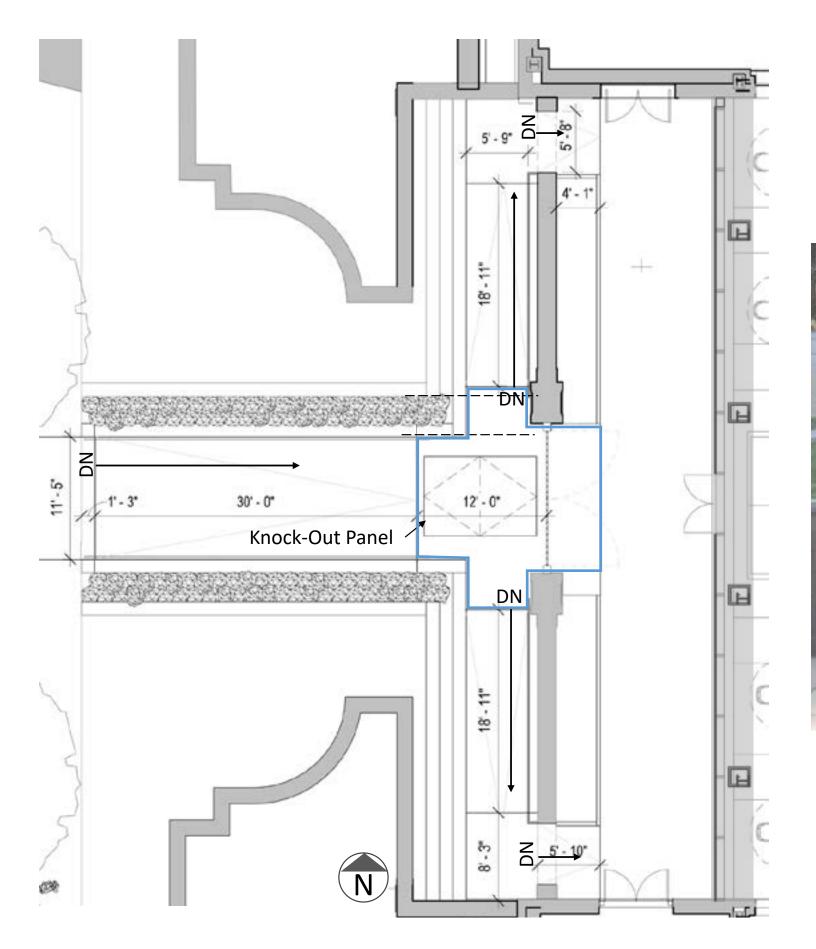


Entry Gate circa 1955



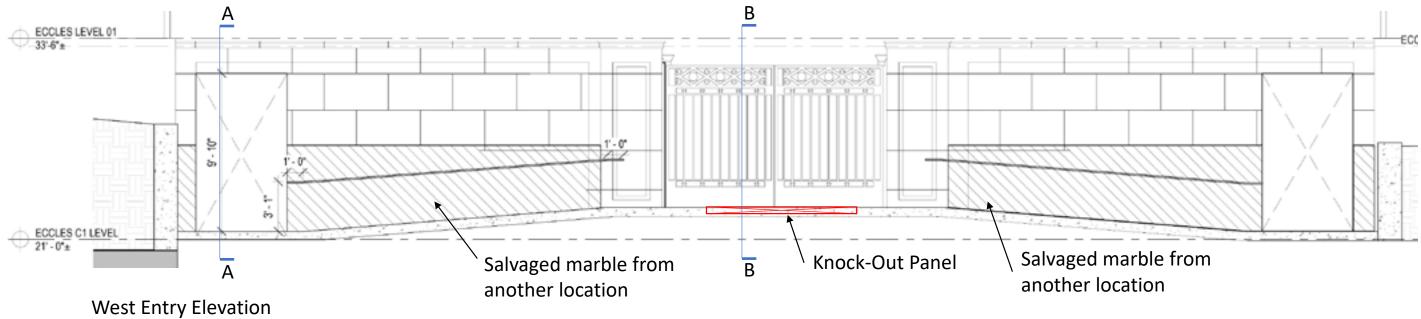
Existing West Entry Gate

SITE WALLS WEST ENTRY | CONTEXT





SITE WALLS WEST ENTRY | PROPOSED LANDING PLAN



SITE WALLS WEST ENTRY | PROPOSED LANDING DETAILS



Existing



Proposed

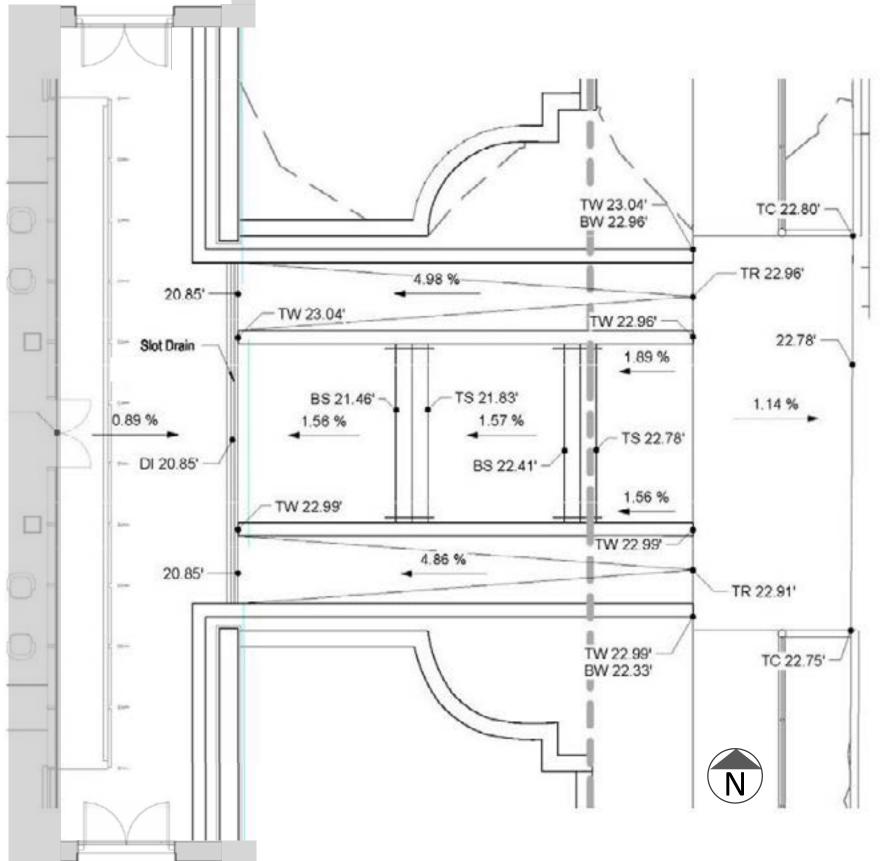
SITE WALLS WEST ENTRY | PROPOSED LANDING PERSPECTIVE

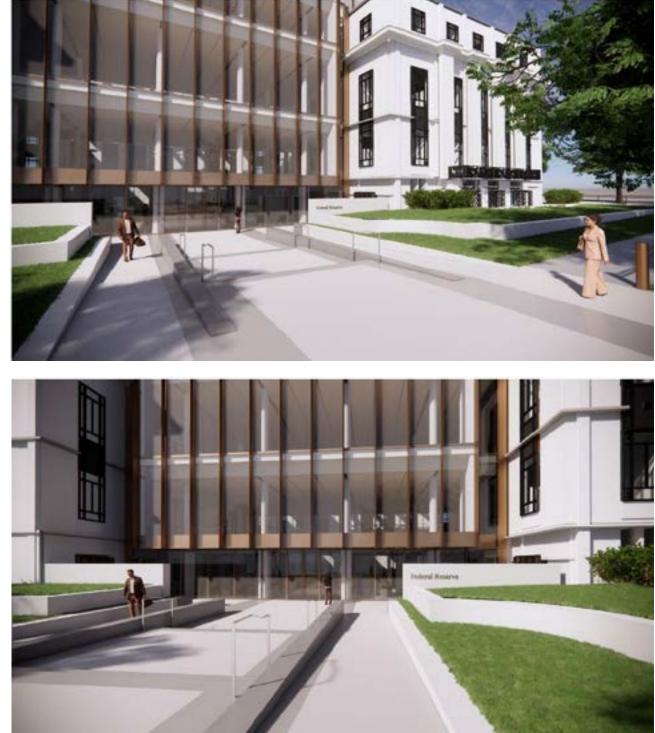




SITE WALLS EAST ENTRY | CONTEXT

ECCLES / FRB-EAST | SECTION IO6 COMPLIANCE







SITE WALLS EAST ENTRY | CURRENT PROPOSED DESIGN

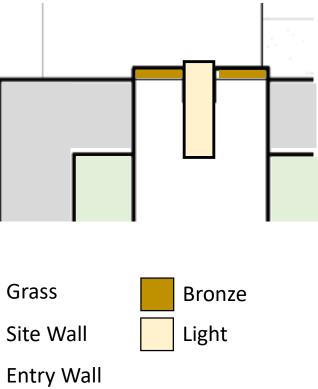




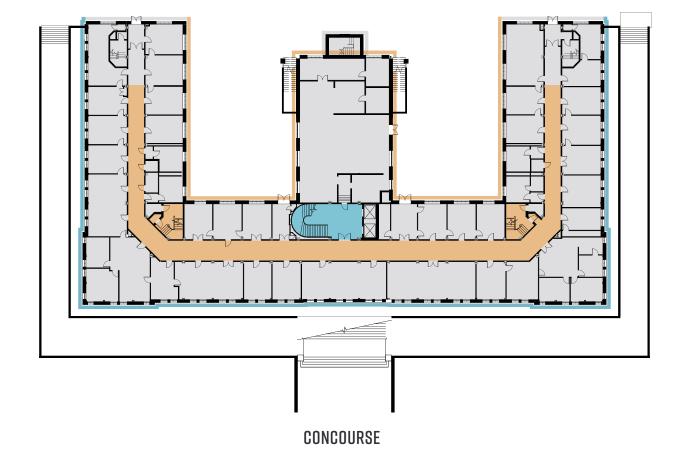


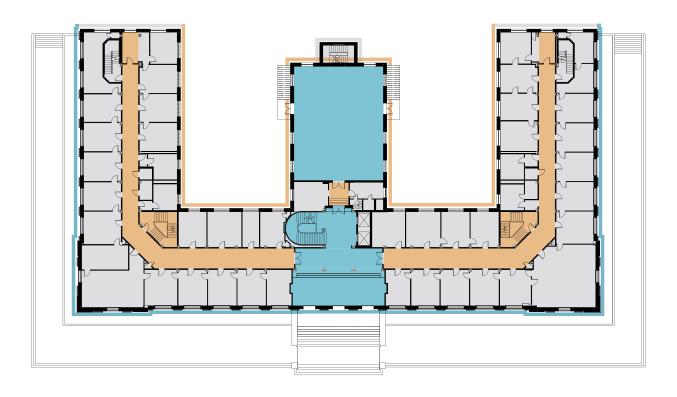
Proposed Threshold

SITE WALLS EAST ENTRY | MODIFIED PROPOSED DESIGN | LIGHT BLADE



FRB-EAST BUILDING DESIGN UPDATES





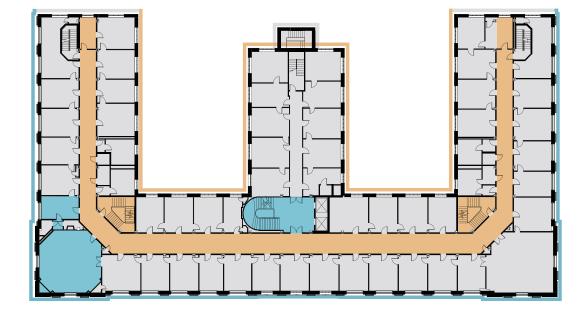
LEVEL I

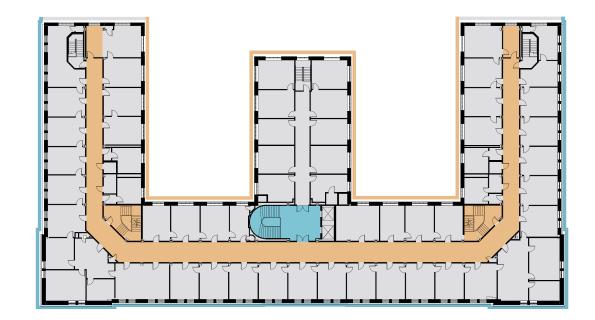


Zone 2

Zone 1

Zone 3

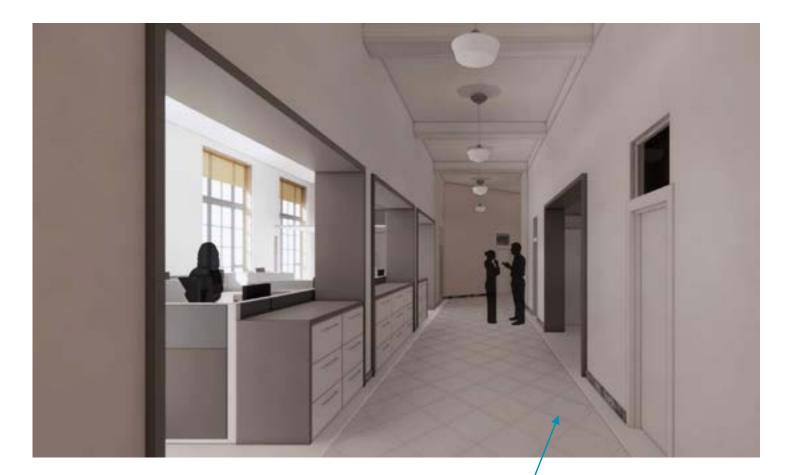






TERRAZZO FLOORING





NEW LIGHT WEIGHT CONCRETE TOPPING SLAB AND NEW EPOXY TERRAZZO FLOORING TO MATCH EXISTING PATTERN; NEW COLOR TBD



AMBER TERRAZZO





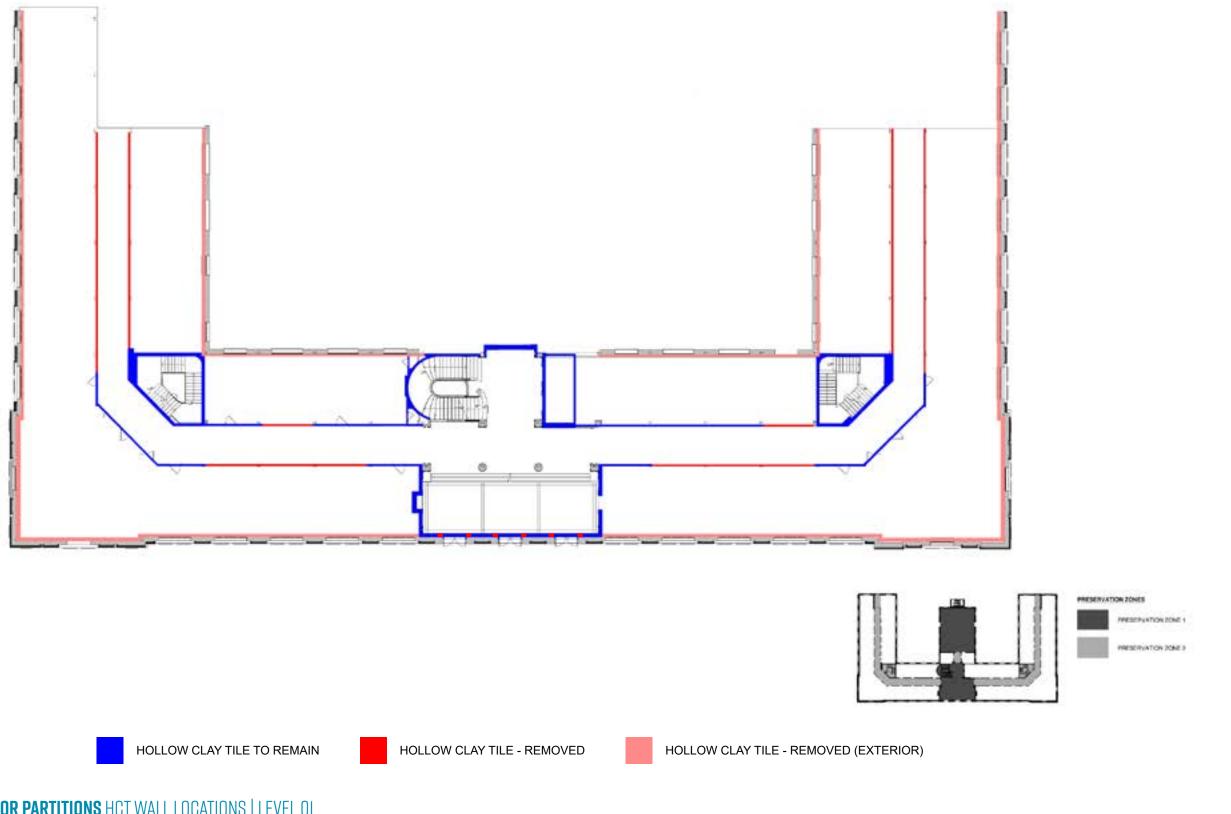
ST. GENEVIEVE GOLDEN VEINED MARBLE





TERRAZZO FLOORING

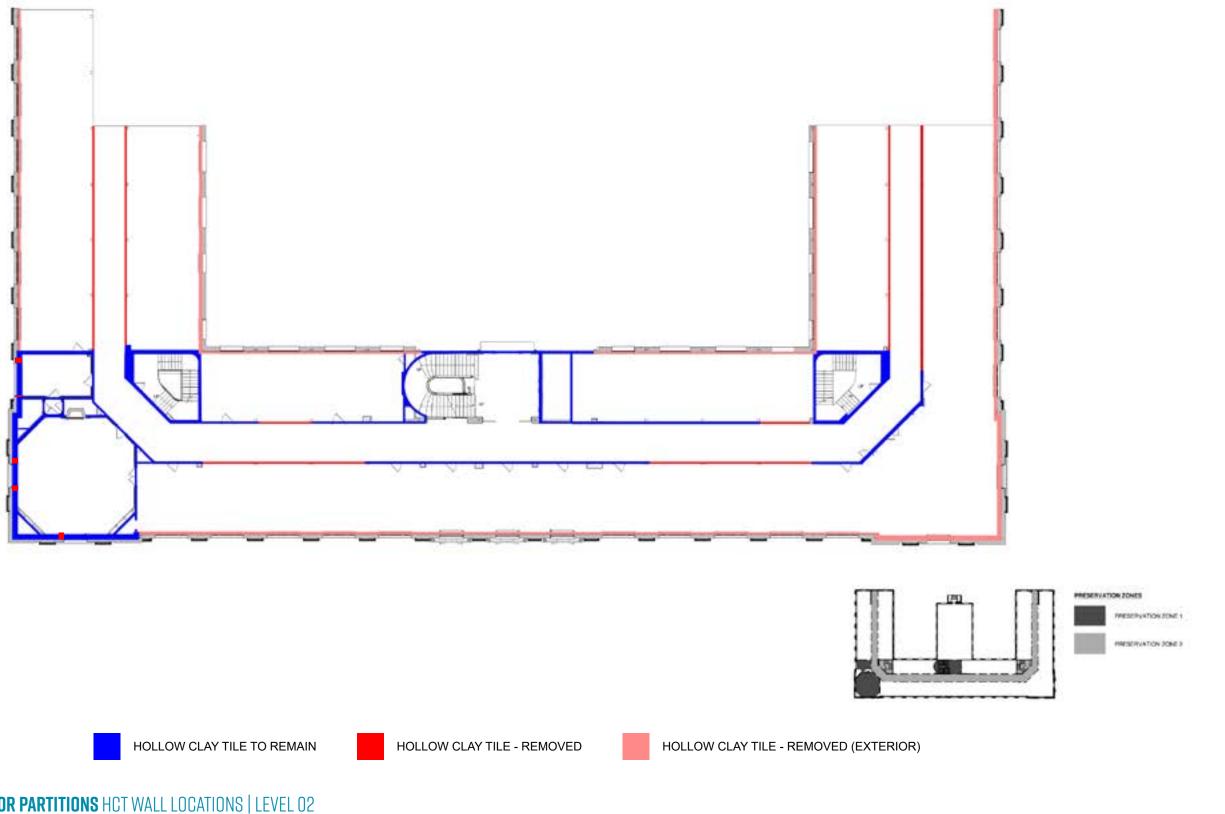






SEISMIC RETROFIT OF EXISTING INTERIOR PARTITIONS HOT WALL LOCATIONS | LEVEL OI

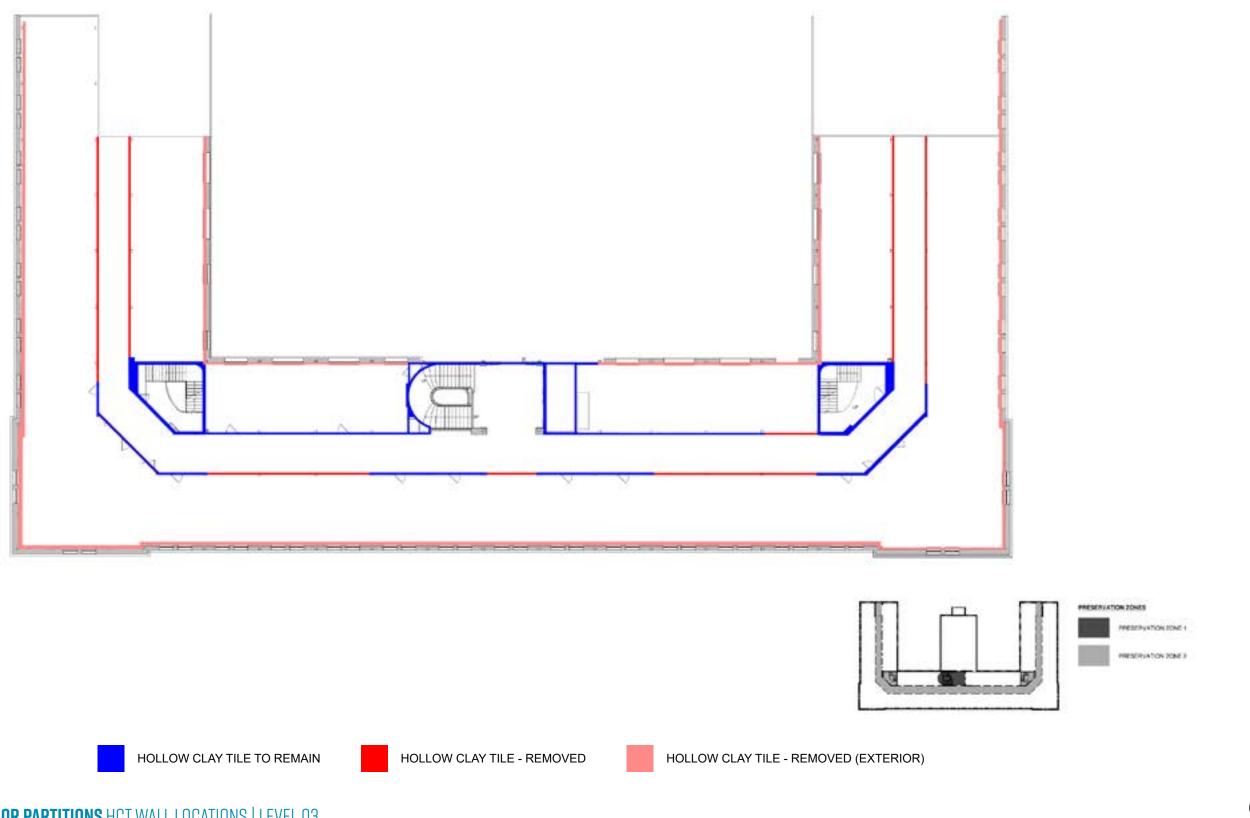
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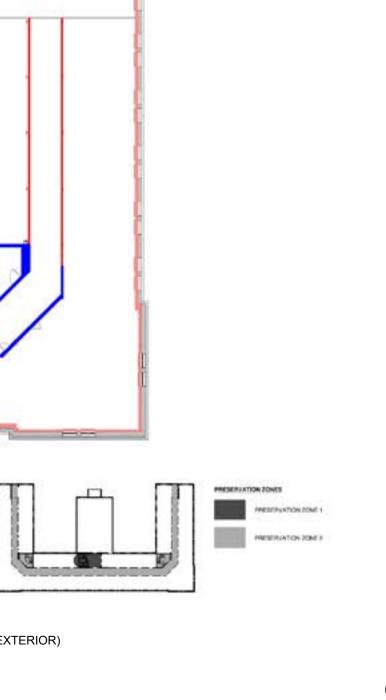




SEISMIC RETROFIT OF EXISTING INTERIOR PARTITIONS HOT WALL LOCATIONS | LEVEL 02

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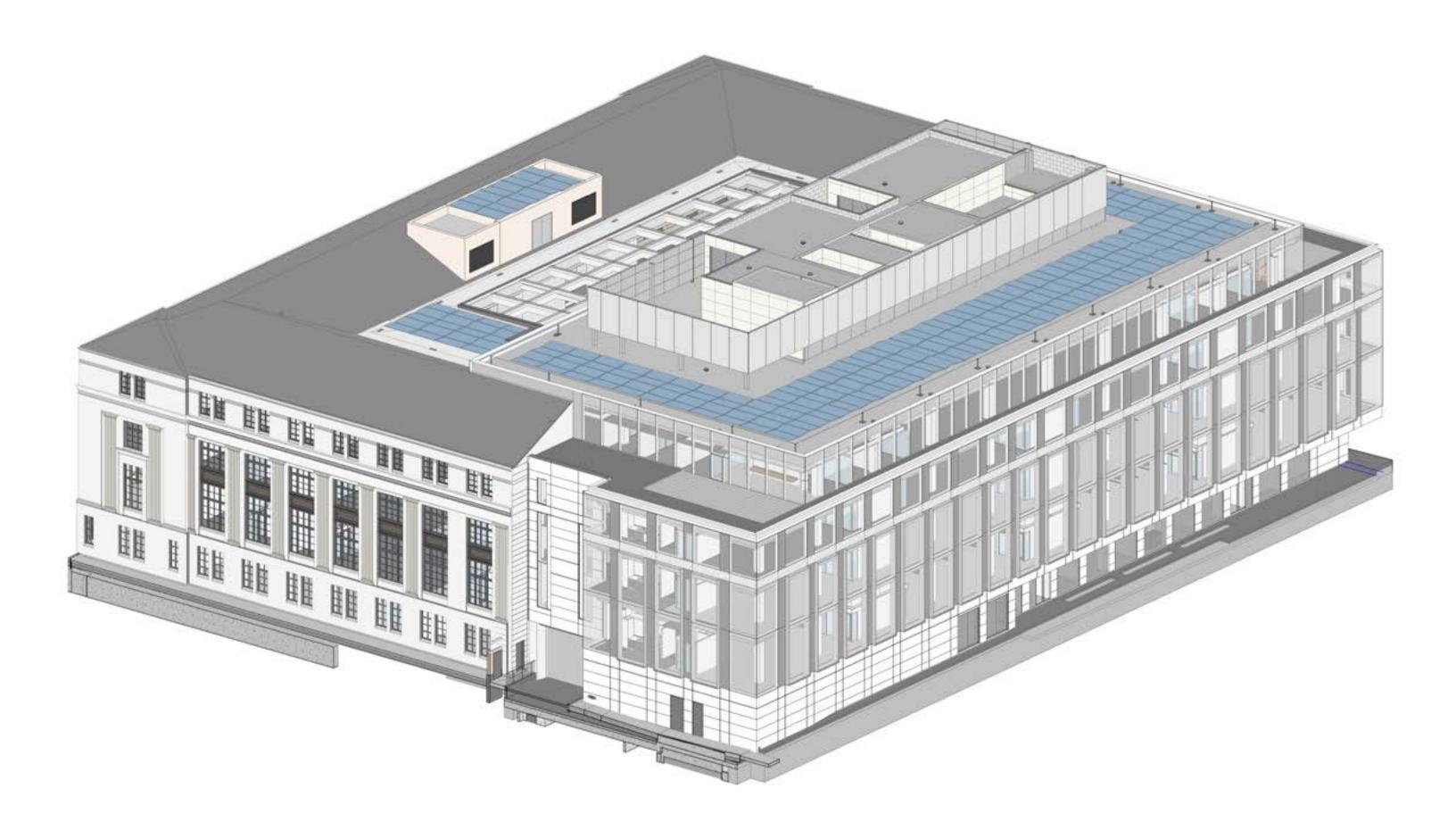


SEISMIC RETROFIT OF EXISTING INTERIOR PARTITIONS HOT WALL LOCATIONS | LEVEL 03

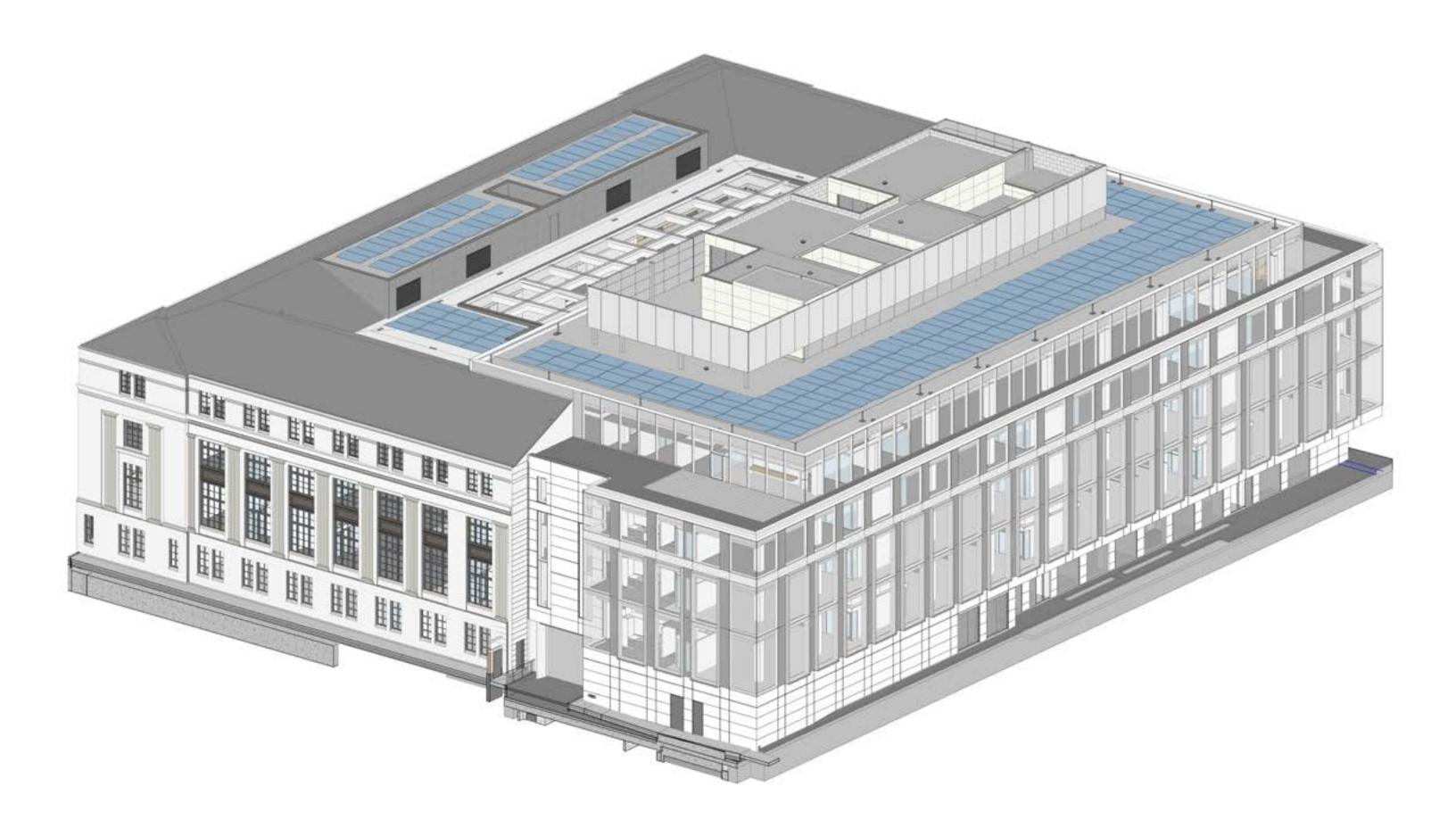
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PENTHOUSE **EXPANSION**





PENTHOUSE EXPANSION PREVIOUS DESIGN



PENTHOUSE EXPANSION PROPOSED DESIGN

SLOPED ROOF

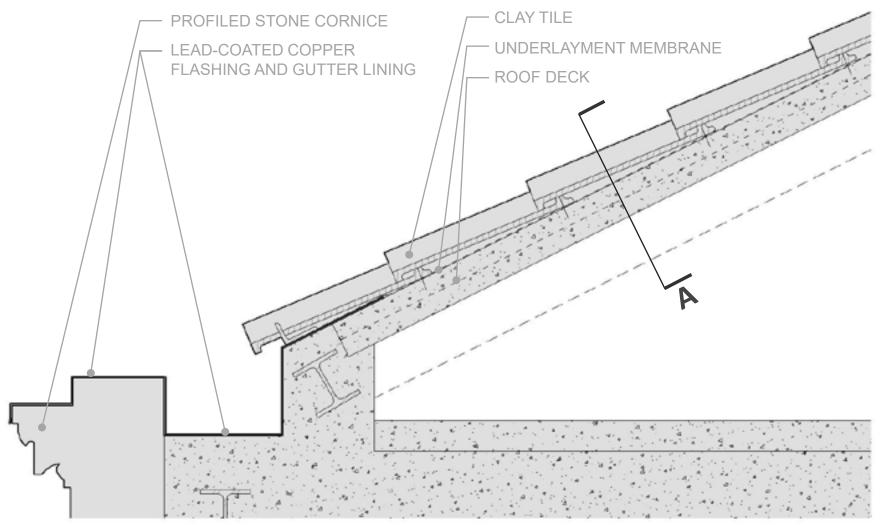




VIEW OF ORIGINAL CONSTRUCTION (PHOTOGRAPHED 1933)

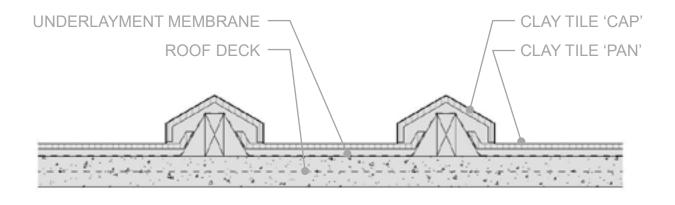
- CLAY TILE ROOF
- INTERNAL GUTTER
- EDGE-OF-ROOF CONCEALED BY STONE CORNICE

SLOPED ROOF ORIGINAL CONDITION (1931)



DETAIL SECTION AT ROOF EDGE

SLOPED ROOF ORIGINAL CONDITION (1931)



DETAIL SECTION 'A' – TRANSVERSE AT ROOF ASSEMBLY

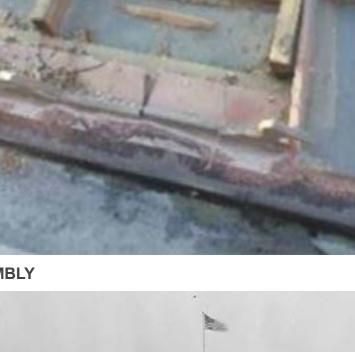


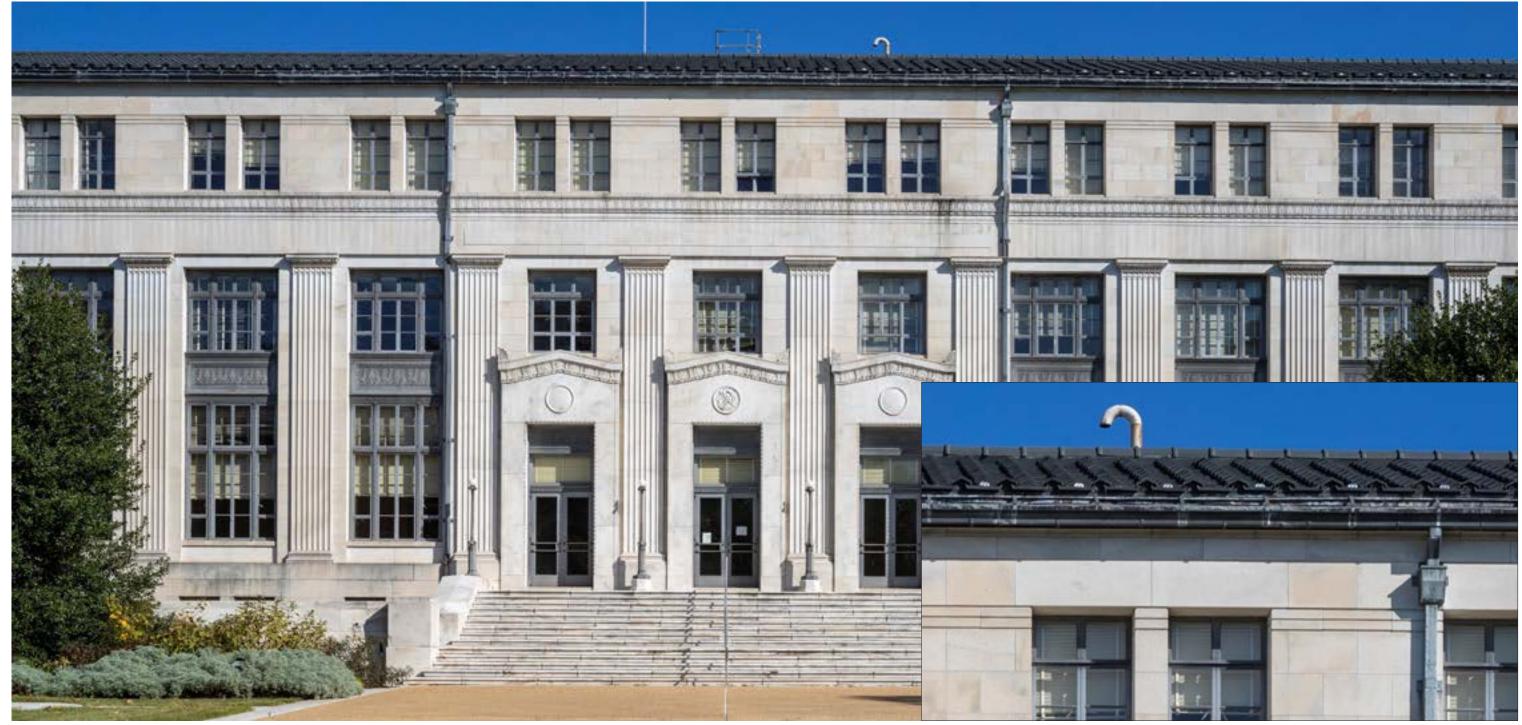


DETAIL VIEW OF ROOF ASSEMBLY



VIEW OF ROOF EDGE (PHOTOGRAPHED 1933)





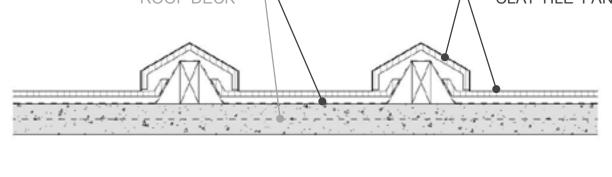
VIEW OF MODIFIED CONDITION (FOLLOWING 1970-80S RE-ROOFING)

- CLAY TILE ROOF (NOT ORIGINAL—NEW TILES INTENDED TO MATCH ORIGINAL)
- EXPOSED (SURFACE-MOUNTED) GUTTER AND LEADERS
- EDGE-OF-ROOF EXPOSED

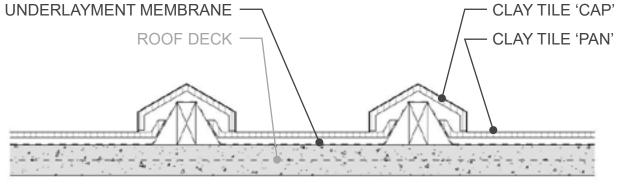
DETAIL SECTION AT ROOF EDGE



VIEW OF ROOF EDGE

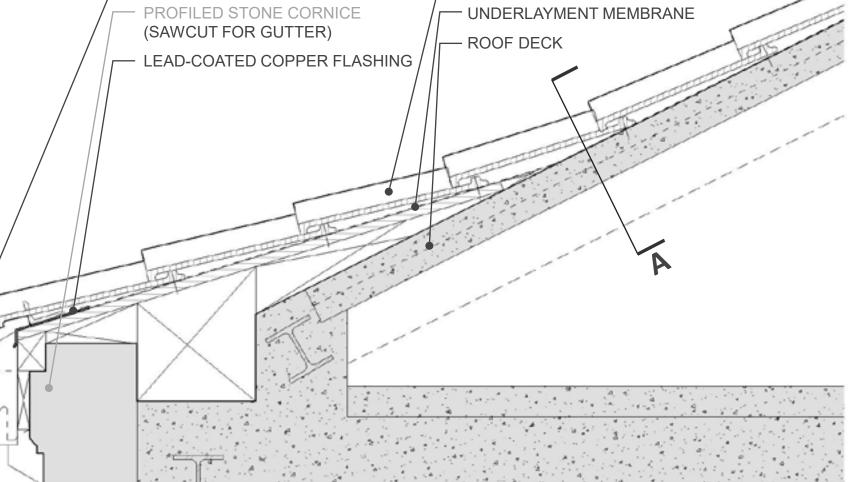


DETAIL SECTION 'A' – TRANSVERSE AT ROOF ASSEMBLY



GUTTER AND DOWNSPOUT

DETAIL VIEW OF ROOF ASSEMBLY

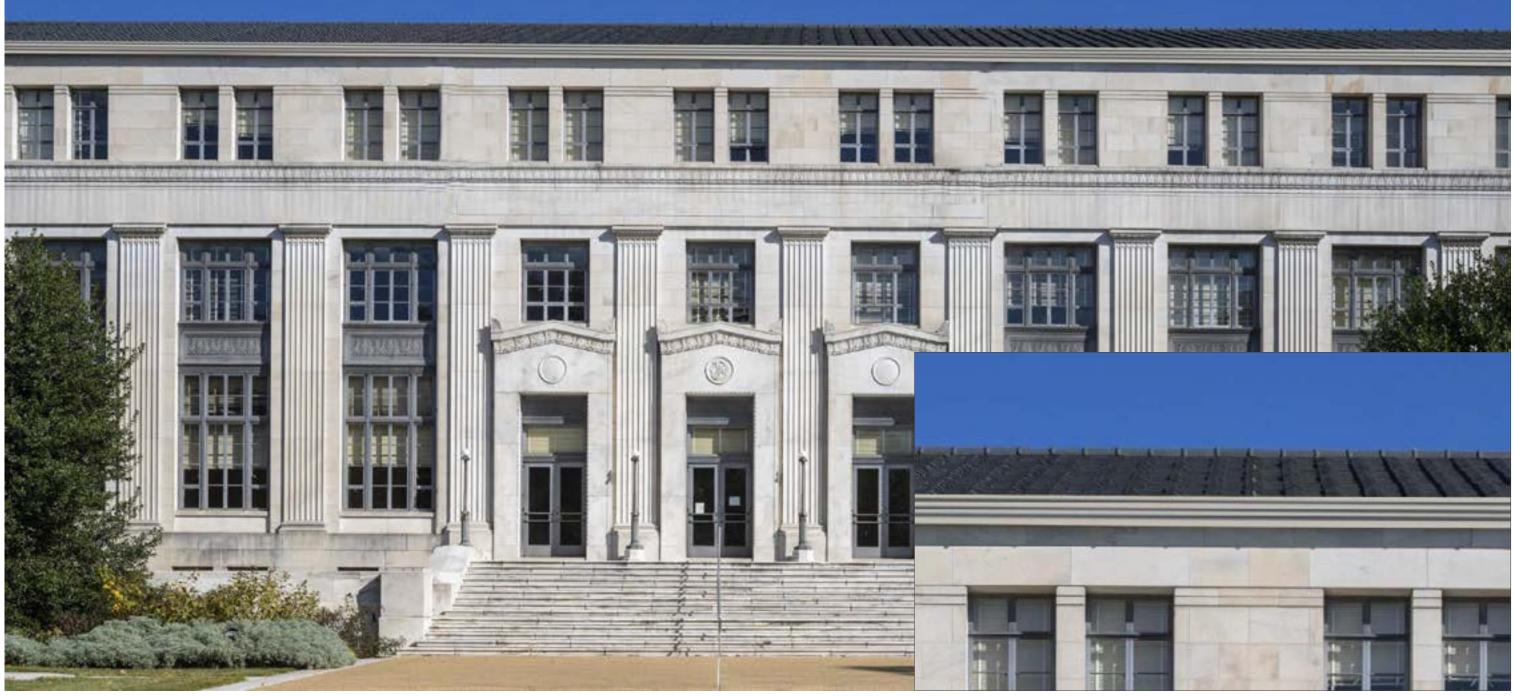


CLAY TILE



of summing land





STREET VIEW FROM SOUTH SIDE OF CONSTITUTION AVENUE

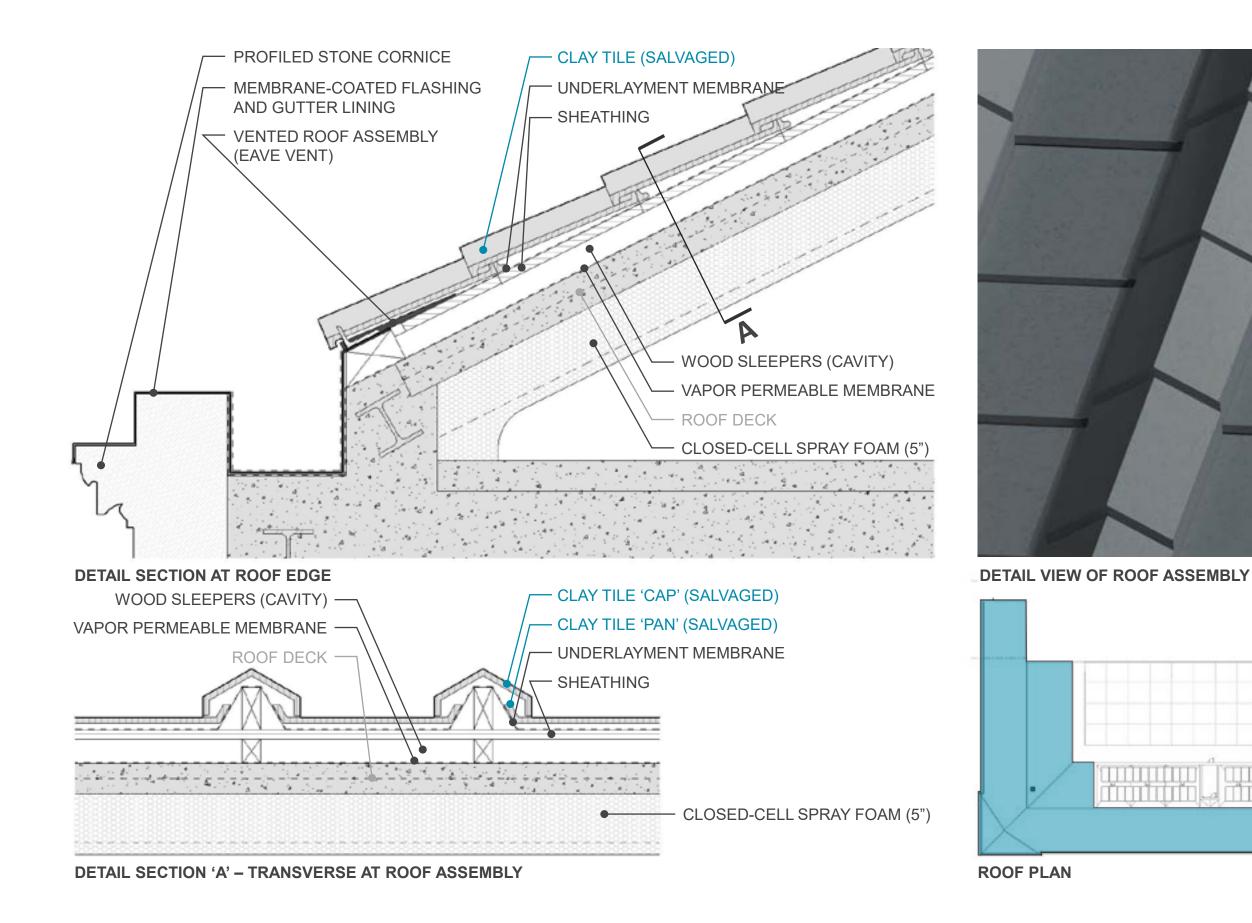
- **CLAY TILE ROOF** (SALVAGE AND REINSTALL EXISTING)
- **INTERNAL GUTTER**
- **EDGE-OF-ROOF CONCEALED BY STONE CORNICE**

ENERGY POTENTIAL (kWh/yr) N/A EUI OF 1951 (kBTU/sf/yr) **EUI REDUCTION**



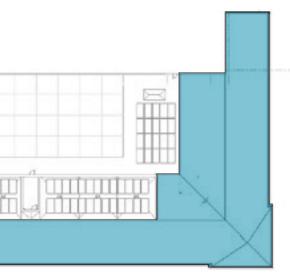


38 EUI



SLOPED ROOF OPTION A | SALVAGE AND REINSTALL EXISTING CLAY TILES





CLAY TILE: 17,500 SF

SOLAR TILE: 0 SF

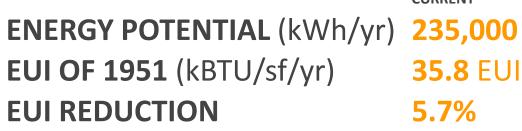
TOTAL: 17,500 SF



STREET VIEW FROM SOUTH SIDE OF CONSTITUTION AVENUE

- **SOLAR TILE ROOF** (FULL EXTENT) •
- **INTERNAL GUTTER**
- **EDGE-OF-ROOF CONCEALED BY STONE CORNICE**

SLOPED ROOF OPTION B | INSTALL SOLAR TILES (FULL EXTENT)



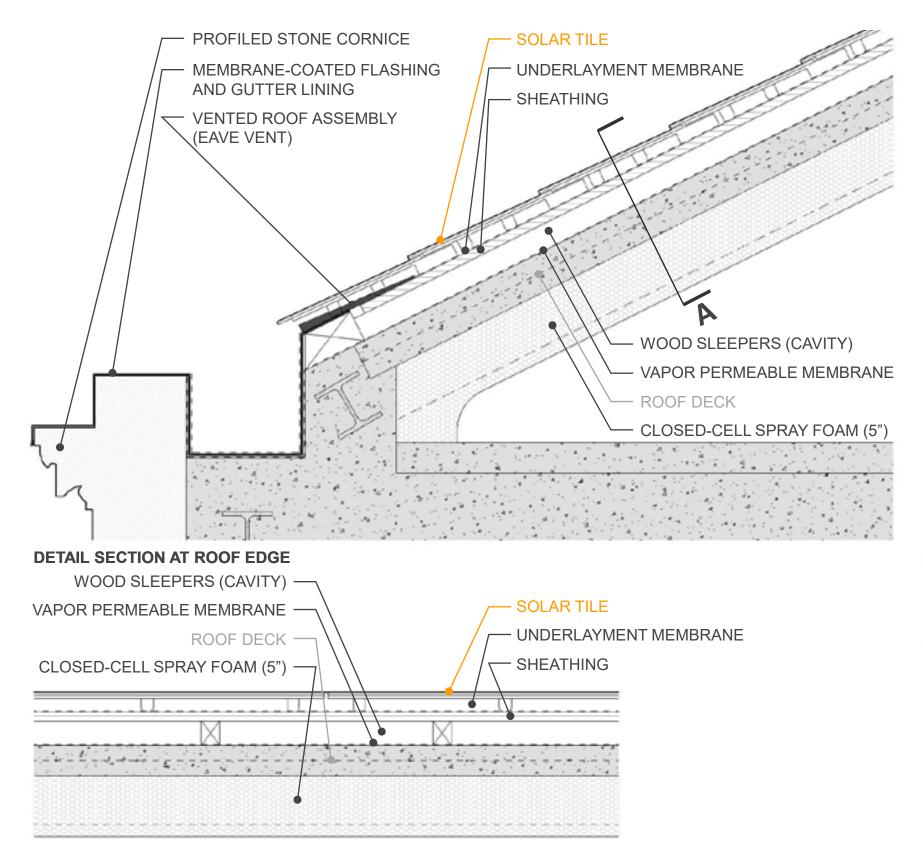
7.2%

CURRENT 35.8 EUI 5.7%

5-YEAR IMPROVEMENT

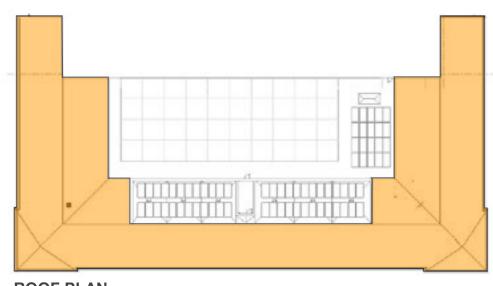
290,000

35.2 EUI





DETAIL VIEW OF ROOF ASSEMBLY



ROOF PLAN

DETAIL SECTION 'A' – TRANSVERSE AT ROOF ASSEMBLY

SLOPED ROOF OPTION B | INSTALL SOLAR TILES (FULL EXTENT)

CLAY TILE: 0 SF

SOLAR TILE: 17,500SF

TOTAL: 17,500 SF



SLOPED ROOF VIEW FROM SOUTH SIDE OF CONSTITUTION AVENUE | EXISTING



SLOPED ROOF VIEW FROM SOUTH SIDE OF CONSTITUTION AVENUE | OPTION A | SALVAGE AND REINSTALL EXISTING CLAY TILES



SLOPED ROOF VIEW FROM SOUTH SIDE OF CONSTITUTION AVENUE | OPTION B | SOLAR TILES (FULL EXTENT)



VIEW OF SOLAR TILE ROOF EDGE

VIEW OF CLAY TILE ROOF EDGE

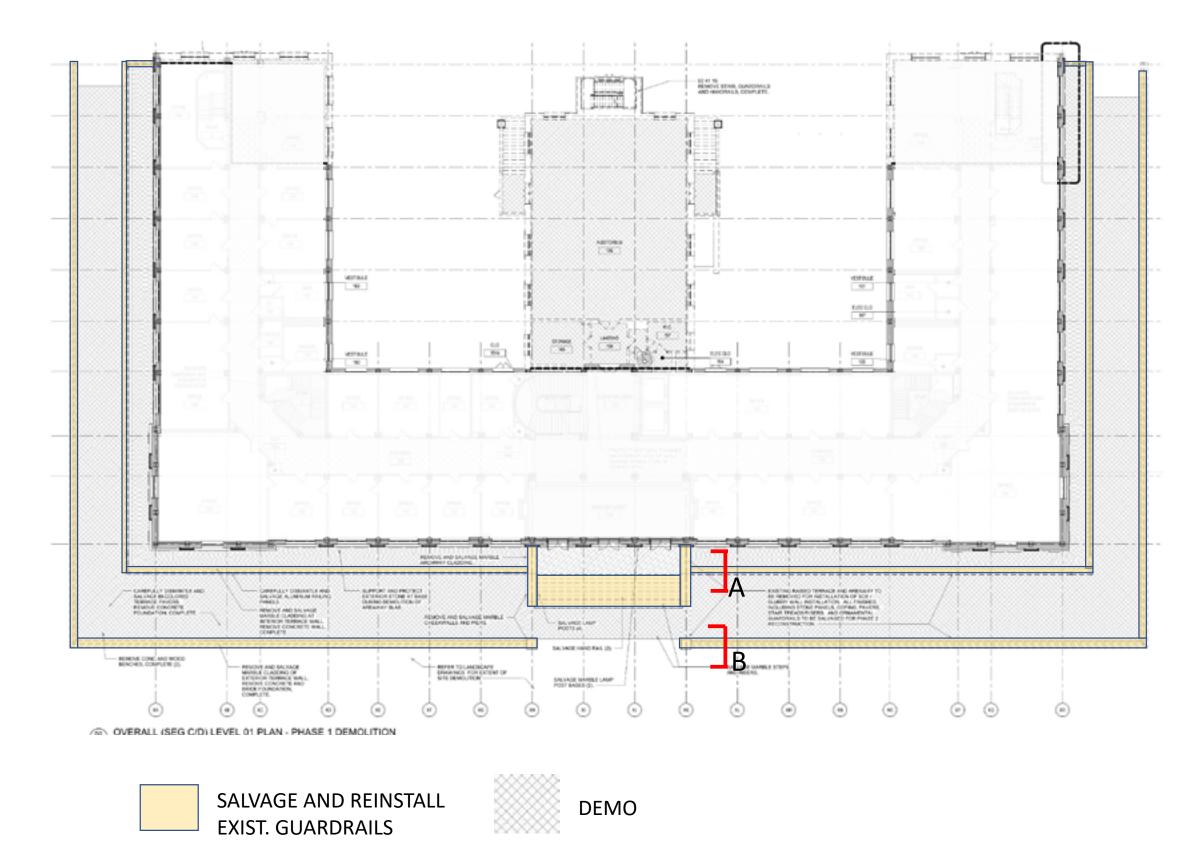


*second values represent anticipated 25% improvement in performance in 5-years

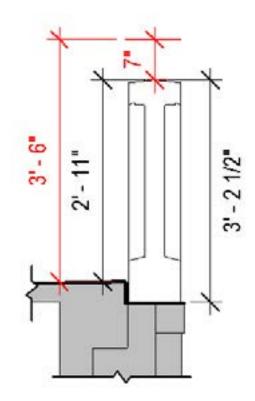


TERRACE **GUARDRAIL MODIFICATION**

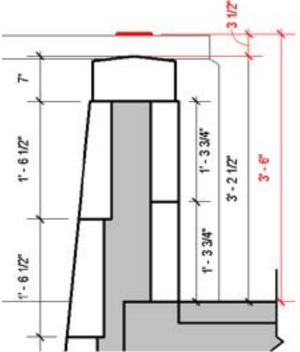




TERRACE GUARDRAIL MODIFICATION CONTEXT

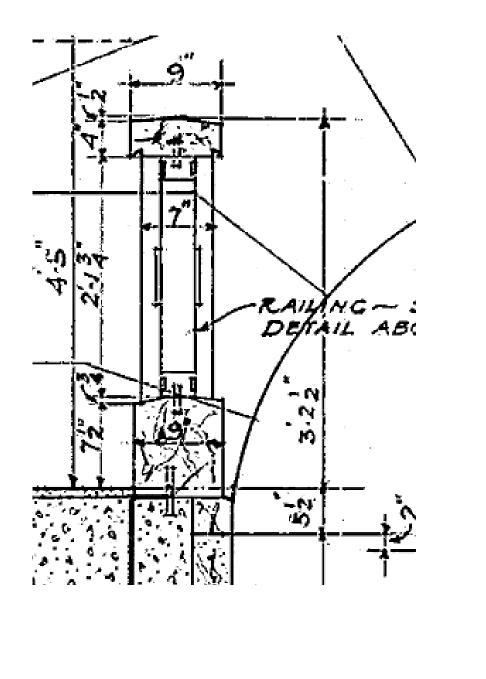


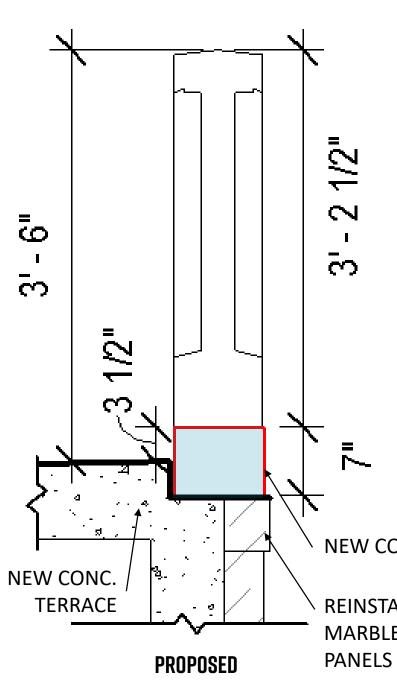
A. INNER TERRACE WALLS NOT CODE COMPLIANT



B. OUTER TERRACE WALLS NOT CODE COMPLIANT

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HISTORIC DRAWINGS

TERRACE GUARDRAIL MODIFICATION INNER TERRACE WALL | DETAILS

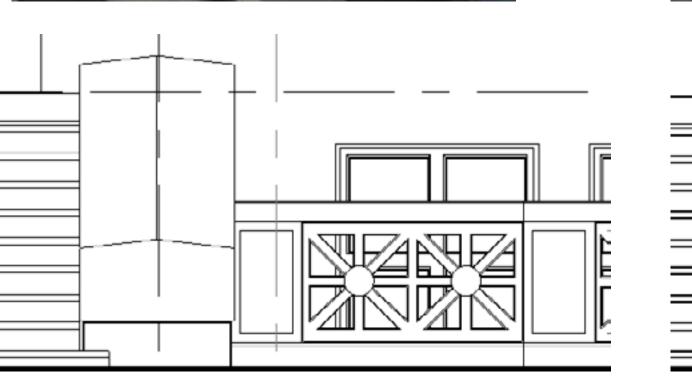
NEW CONC. FILL

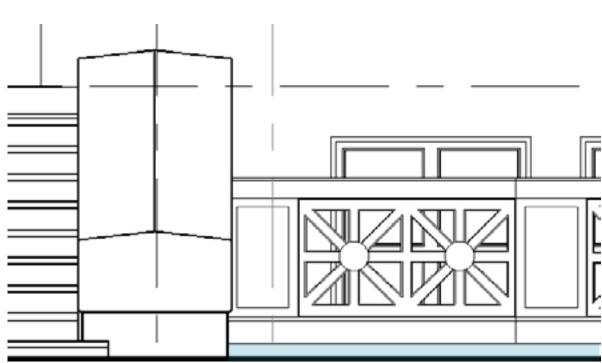
REINSTALL MARBLE



TERRACE GUARDRAIL MODIFICATION INNER TERRACE WALL | ELEVATIONS





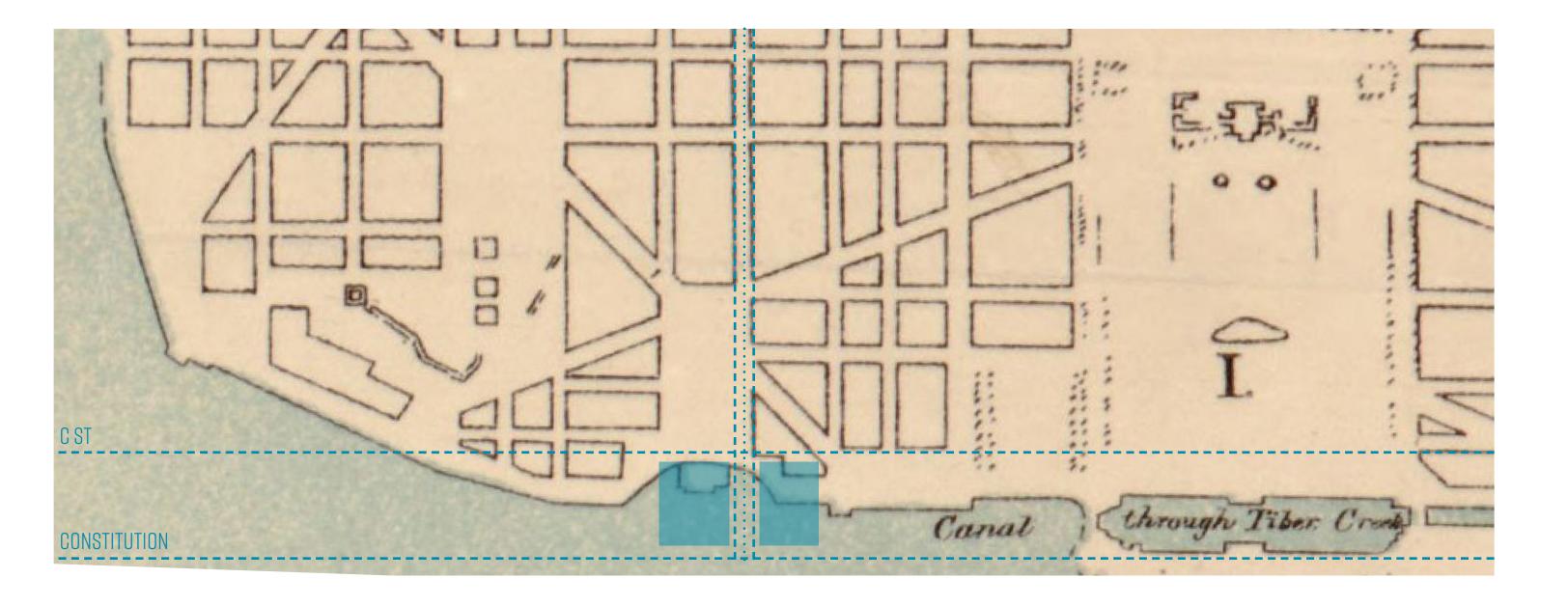




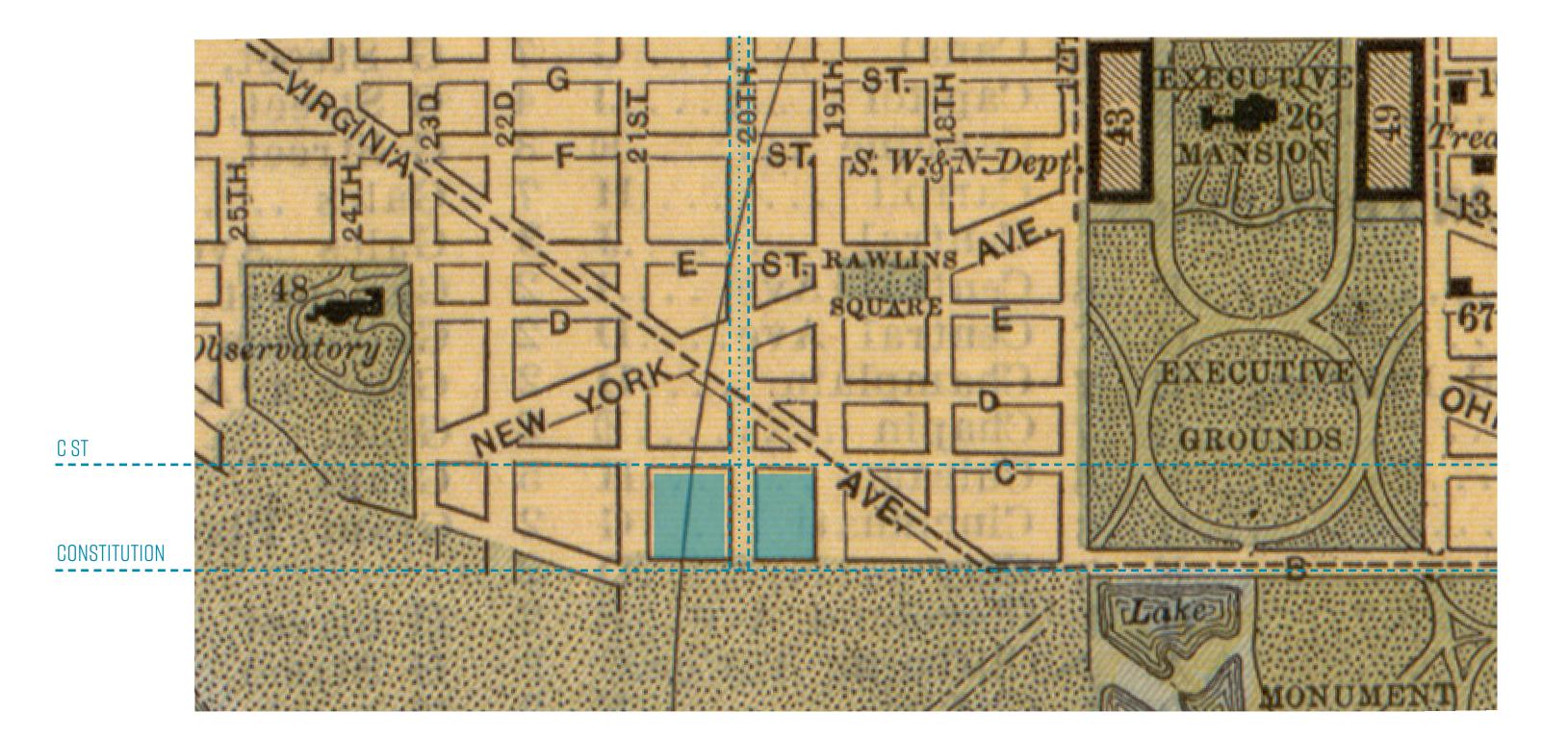


PROPOSED

20TH STREET IMPROVEMENTS

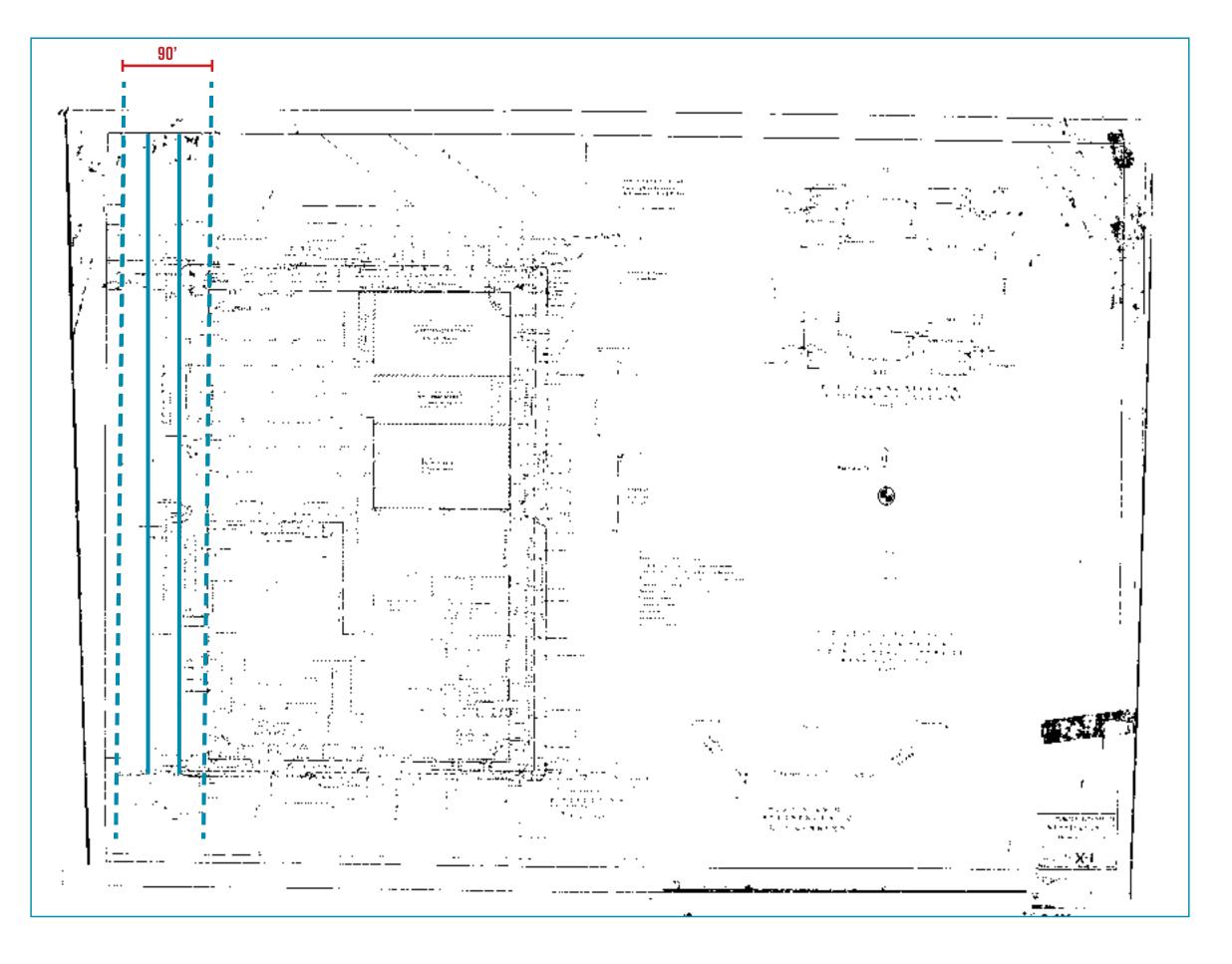


20TH STREET IMPROVEMENTS L'ENFANT 1887 PLAN



20TH STREET IMPROVEMENTS MATHEWS-NORTHRUP COMPANY 1893 PLAN

BUILDINGS AND STREETS BEFORE CONSTRUCTION OF 1951 CONSTITUTION AVE. BUILDING AND ECCLES BUILDING.



20TH STREET IMPROVEMENTS SITE SURVEY (1931)

THE 90' WIDE ROW LINES MATCH THE CUR-RENT ROW LINES IN GORDON'S SURVEY

IN THE 1931 SURVEY 20TH STREET WAS 32'-6" WIDE CURB TO CURB, CENTERED IN ROW.

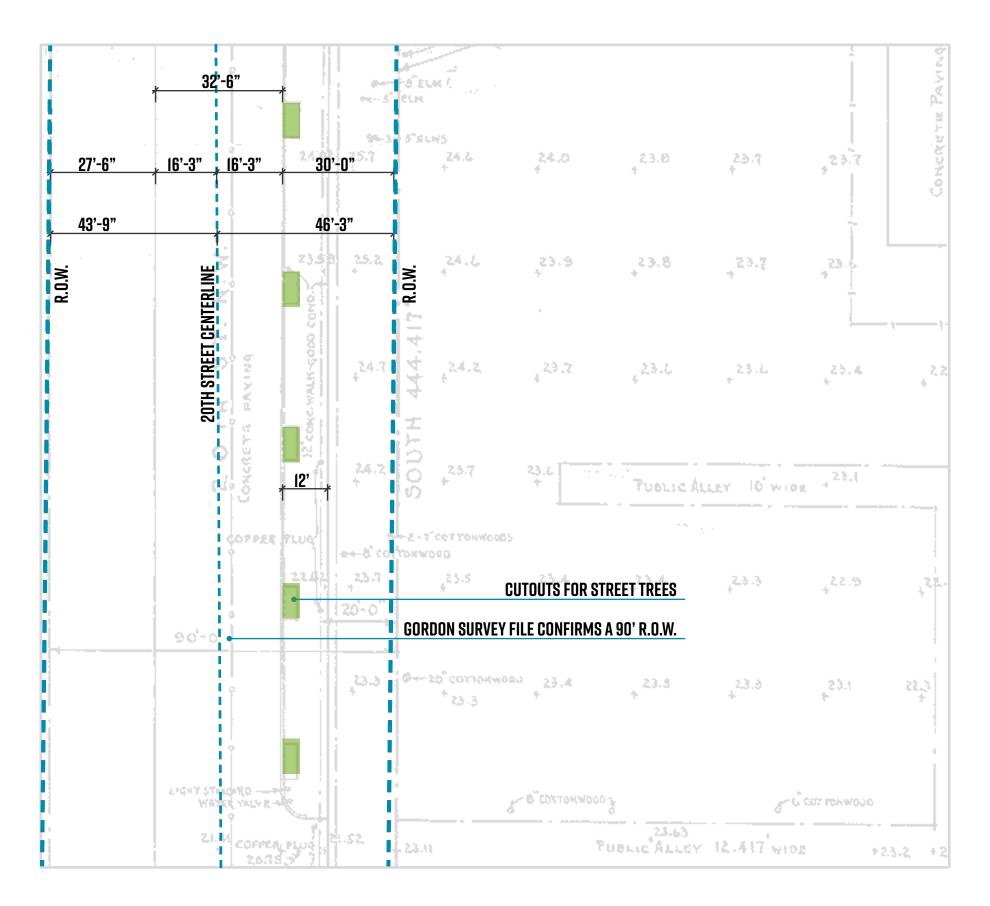
THERE WAS A 12' WIDE SIDEWALK ALONG THE CURB WITH CUTOUTS FOR STREET TREES ON THE EAST SIDE OF 20TH STREET.

IN THE 1931 SURVEY THERE WAS 30-6' FROM The Curb on the east side to the row line on the east side landscape

THE EXISTING CURB ON THE EAST SIDE OF 20TH ST. IS NOW 23'-6" FROM THE ROW LINE.

WE ASSUME THAT 20TH ST. WAS LATER WID-ENED 6'-6" ON THE EAST SIDE TO ADD PARK-ING AND 3' ON THE WEST SIDE. WE ARE NOT SURE WHY THE DIFFERENCE BETWEEN 40' AND 42'

SIDEWALK ON THE EAST SIDE OF 20TH ST. Shown with cutouts for street trees.



GOALS

.

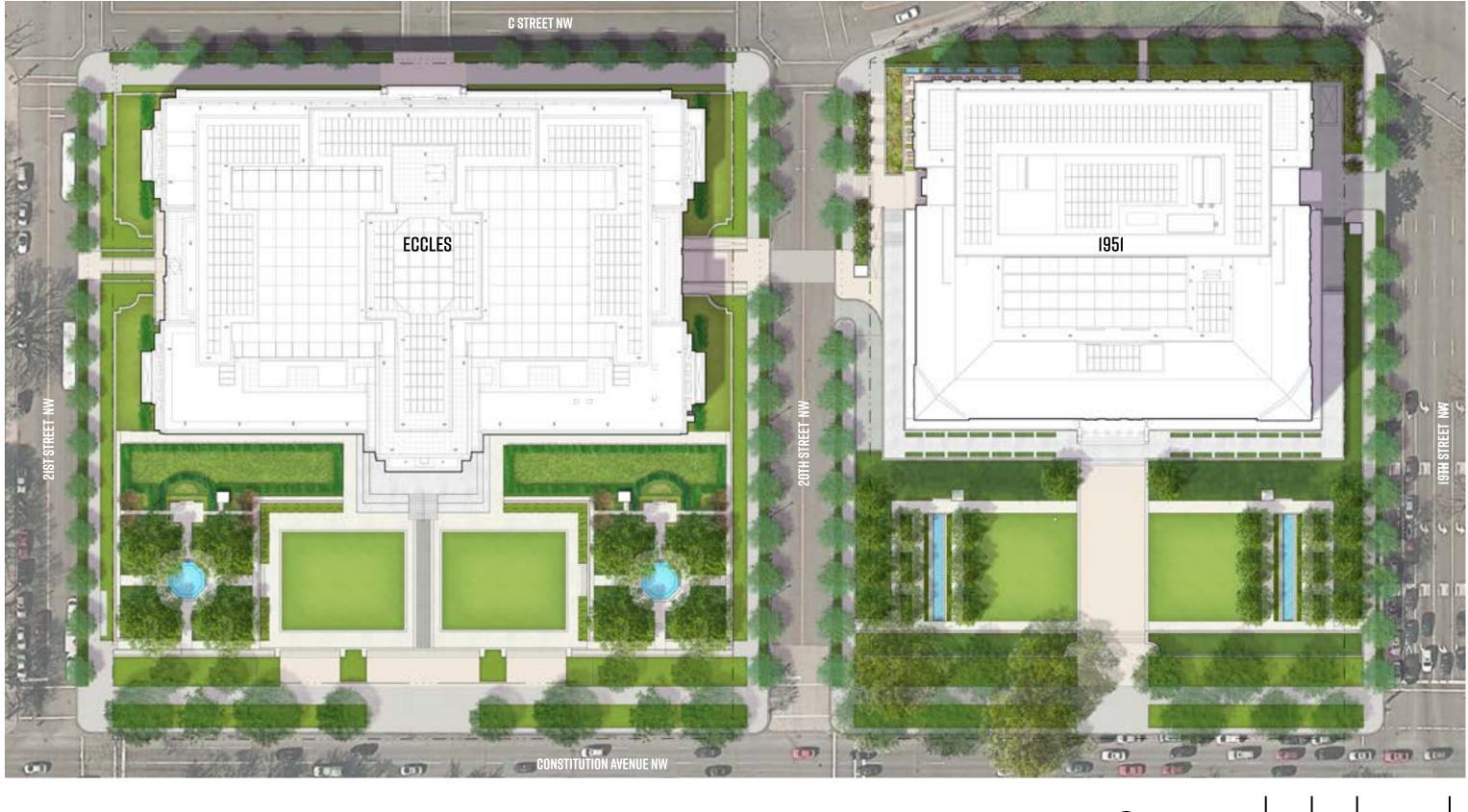
CREATE A BETTER PEDESTRIAN EXPERIENCE WITH MORE LANDSCAPING AND LESS IMPERVIOUS SURFACE

CONTEXT

- CURRENTLY, FRB LEASES THE PARKING ON THE WEST SIDE FROM DC AND RESTRICTS PARKING •
- FRB INTENDS TO LEASE THE PARKING ON THE STREET'S EAST SIDE IN THE FUTURE .

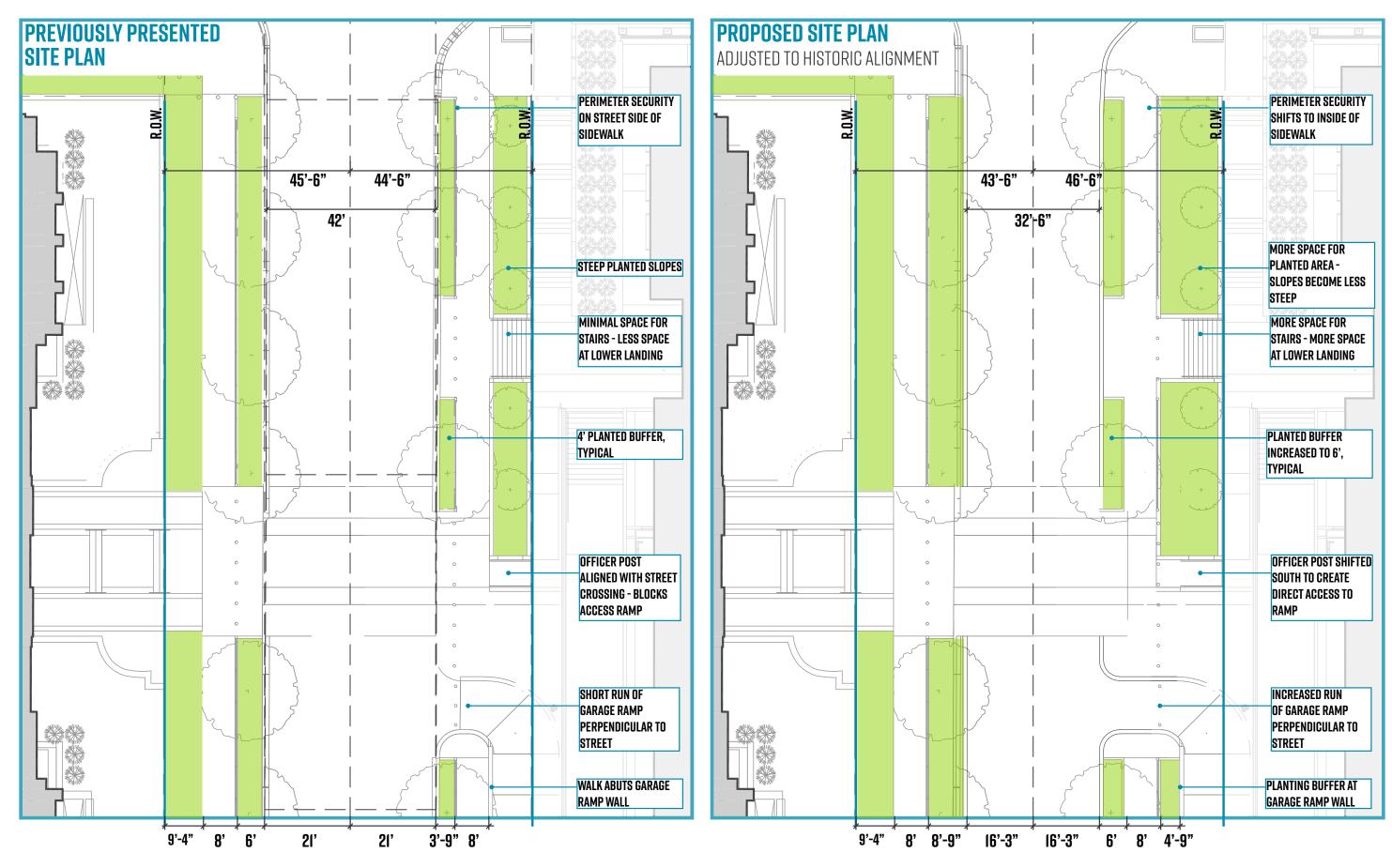
STRATEGIES

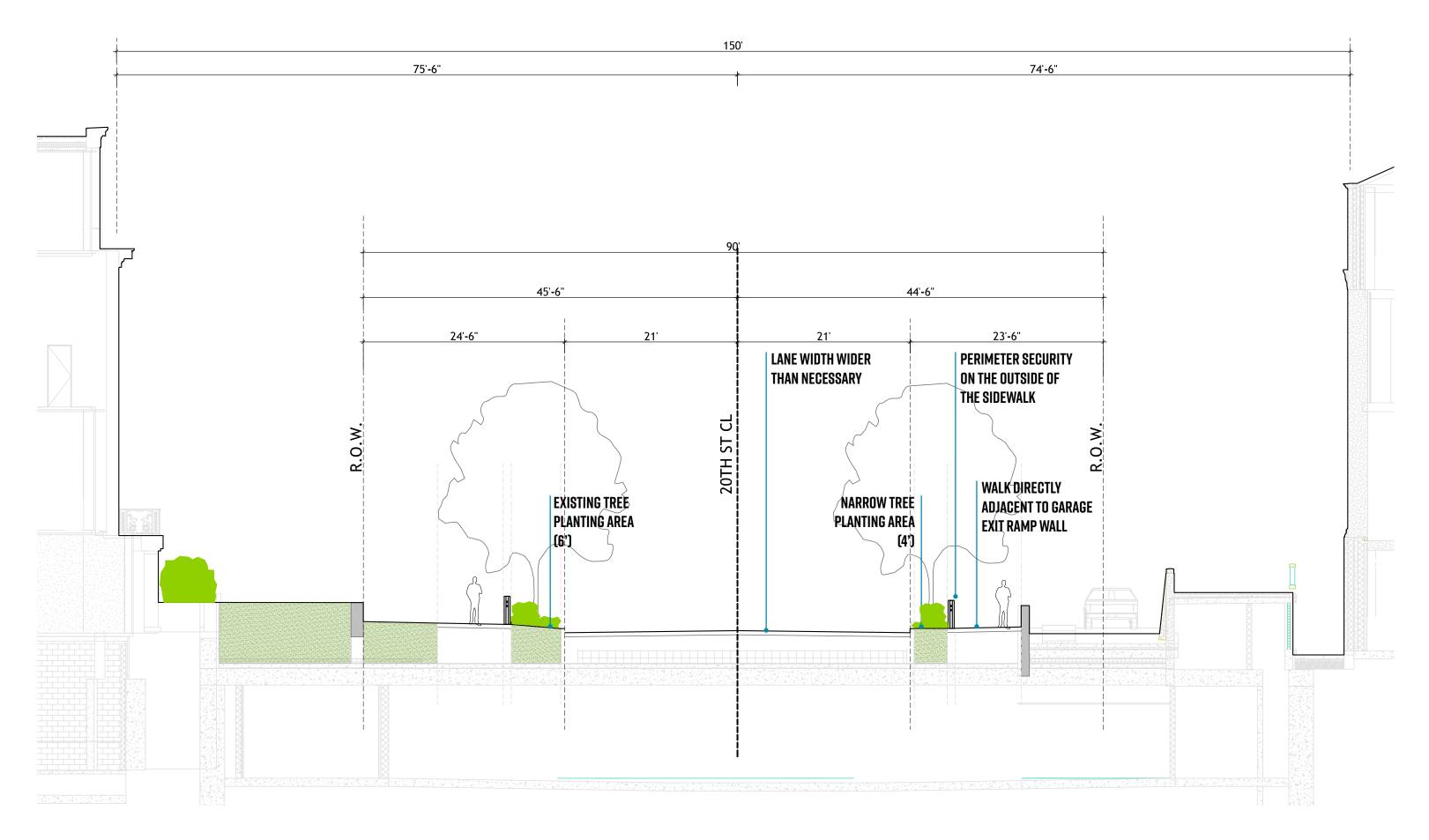
- MAINTAIN BOTH A NORTH AND A SOUTH VEHICULAR LANE .
- NARROW 20TH STREET TO IMPROVE THE PUBLIC REALM .



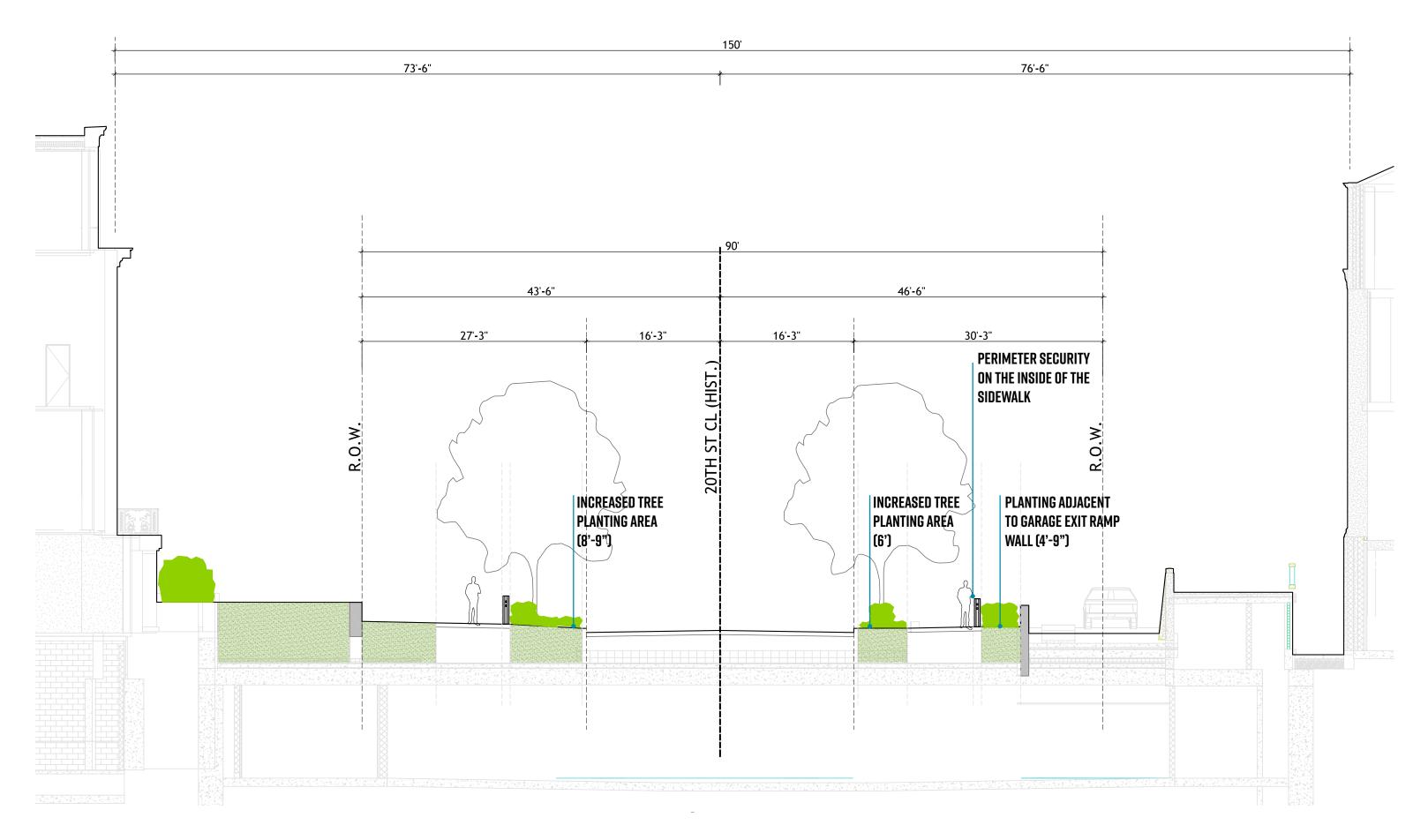
20TH STREET IMPROVEMENTS PREVIOUSLY PRESENTED SITE PLAN

20TH STREET IMPROVEMENTS SITE PLAN COMPARISON





20TH STREET IMPROVEMENTS PREVIOUSLY PRESENTED SITE SECTION | 42' CURB TO CURB



20TH STREET IMPROVEMENTS PROPOSED SITE SECTION - ADJUSTED TO HISTORIC ALIGNMENT | 32'-6" CURB TO CURB



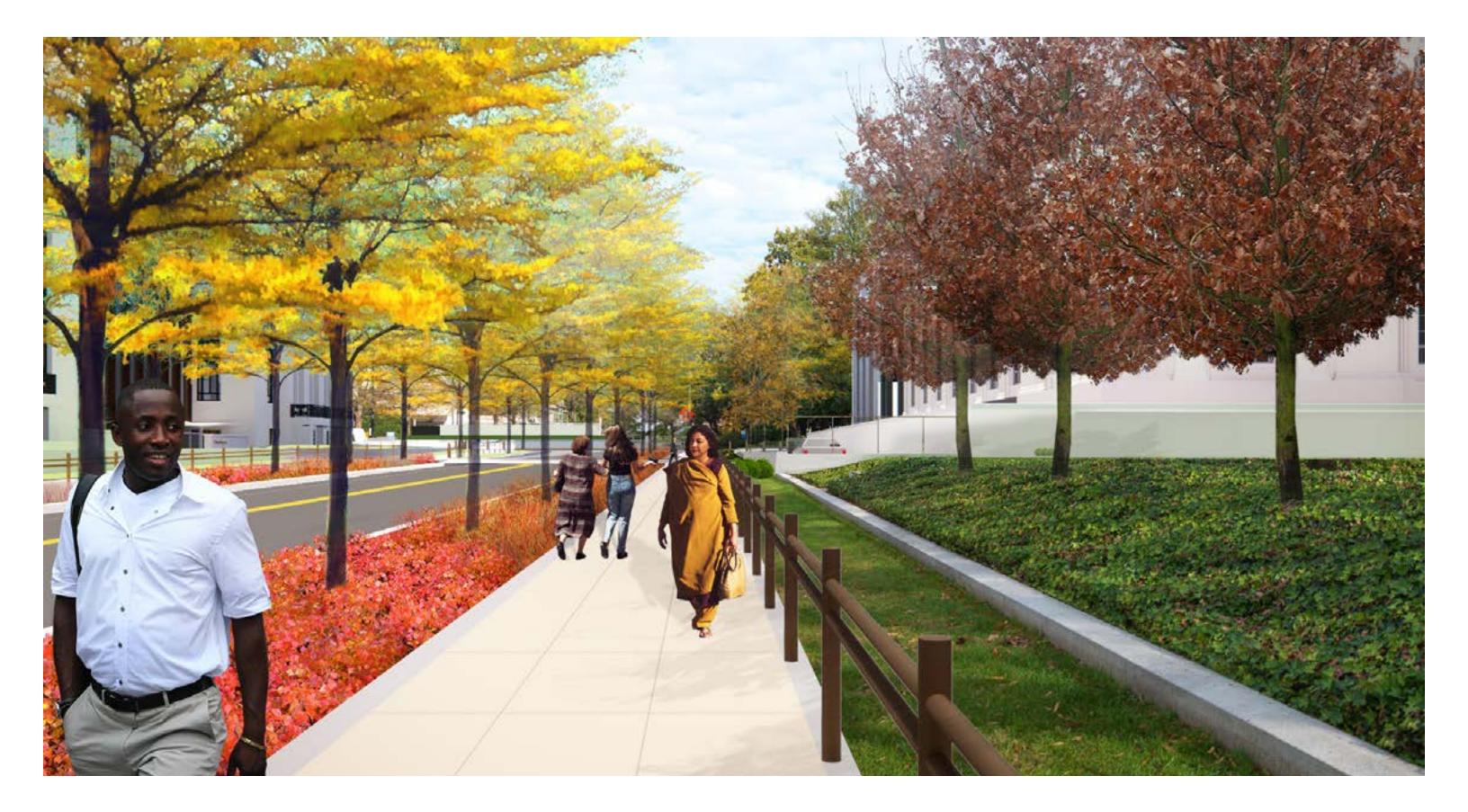
20TH STREET IMPROVEMENTS PREVIOUSLY PRESENTED CONDITION



20TH STREET IMPROVEMENTS PROPOSED CONDITION - ADJUSTED TO HISTORIC ALIGNMENT | 32' WIDTH (1931 CENTERLINE)



20TH STREET IMPROVEMENTS PREVIOUSLY PRESENTED CONDITION



20TH STREET IMPROVEMENTS PROPOSED CONDITION - ADJUSTED TO HISTORIC ALIGNMENT | 32' WIDTH (1931 CENTERLINE)

PERIMETER SECURITY





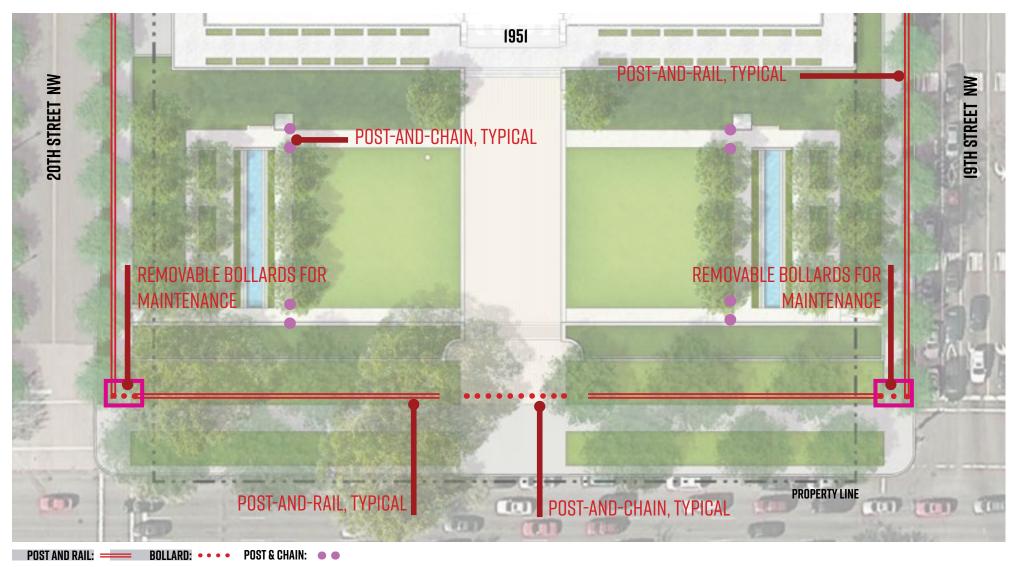


PERIMETER SECURITY PROPOSED BOLLARD & POST AND RAIL SYSTEM (BACK OF EXISTING CURB) | CONSTITUTION AVENUE SECTION



PERIMETER SECURITY PROPOSED BOLLARD & POST AND RAIL SYSTEM | PERSPECTIVES







PERIMETER SECURITY SOUTH PERIMETER SECURITY | ALTERNATE I - BACK OF CONSTITUTION AVENUE SIDEWALK

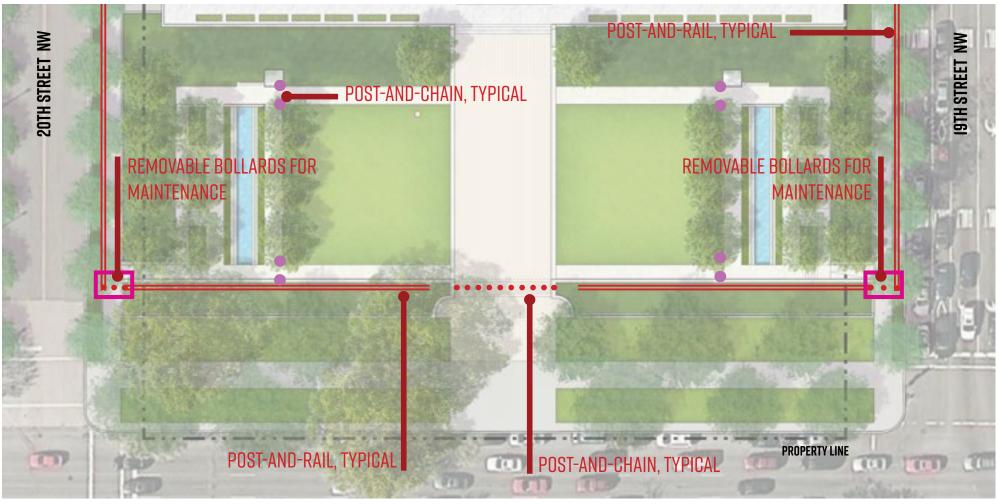






PERIMETER SECURITY SOUTH PERIMETER SECURITY | ALTERNATE I - BACK OF CONSTITUTION AVENUE SIDEWALK





POST AND RAIL: BOLLARD: •••• POST & CHAIN: ••



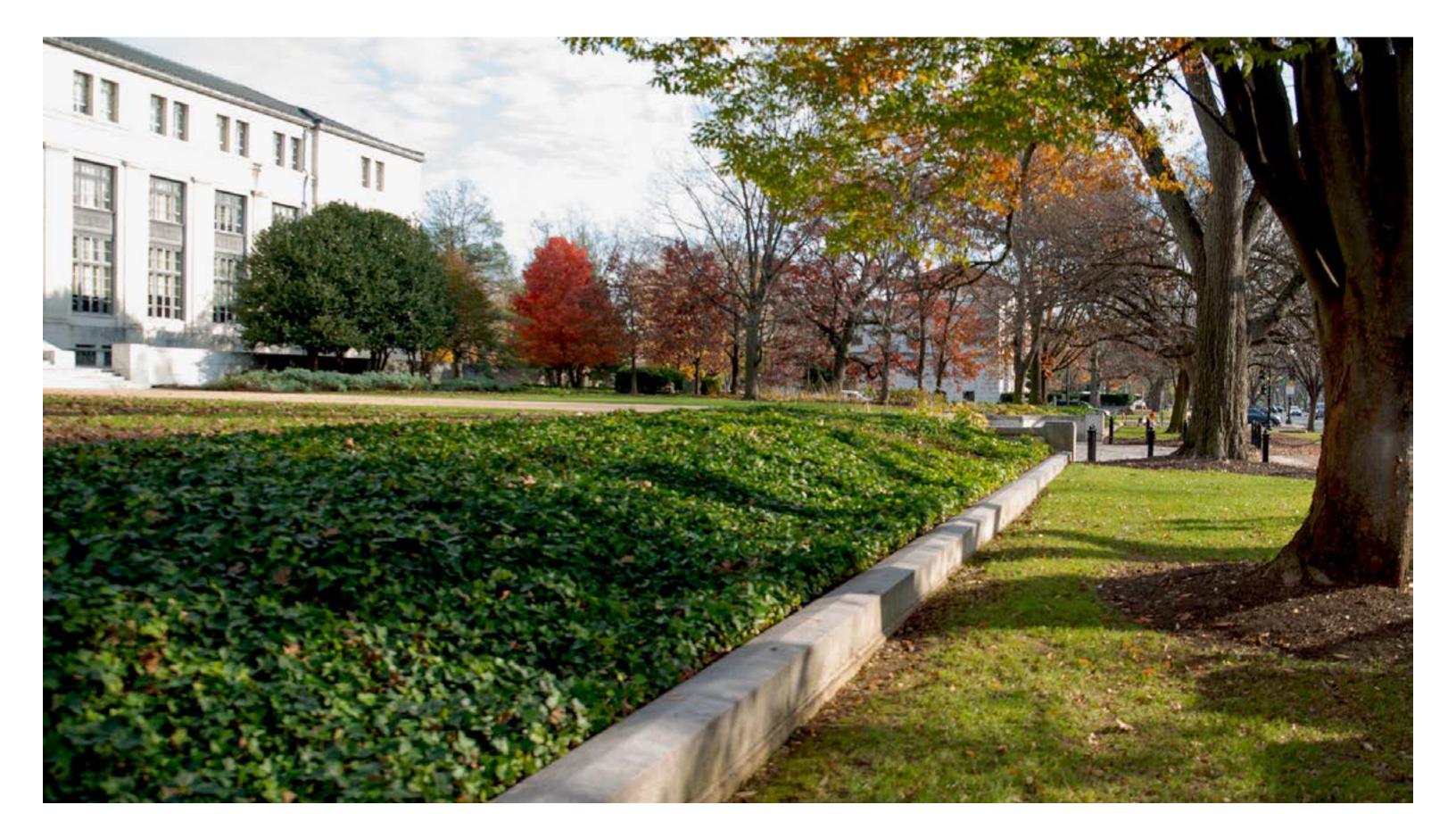
PERIMETER SECURITY SOUTH PERIMETER SECURITY | ALTERNATE 2 - TOP OF PLANTED SLOPE



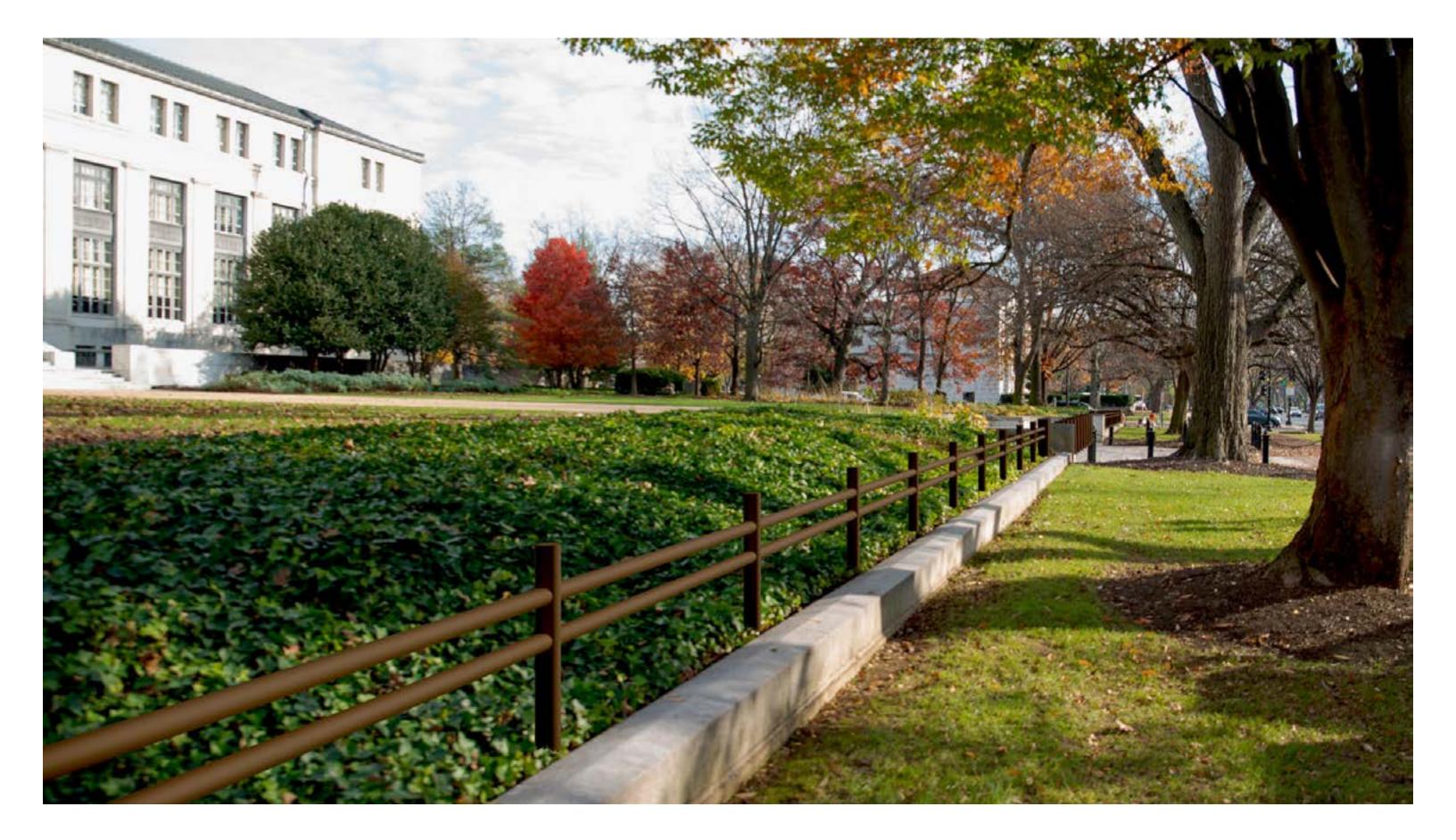


PERIMETER SECURITY SOUTH PERIMETER SECURITY | ALTERNATE 2 - TOP OF PLANTED SLOPE

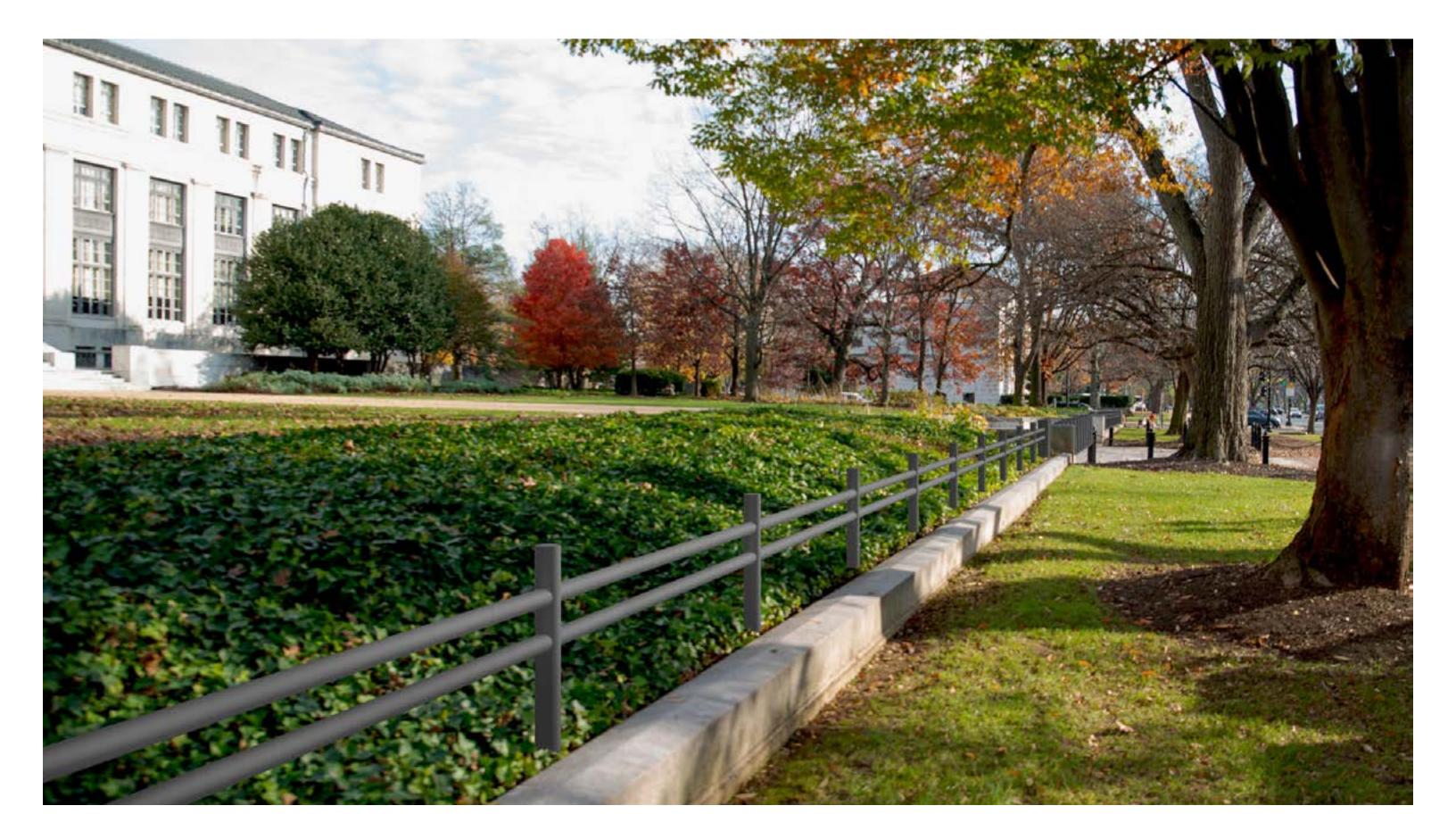
ECCLES / FRB-EAST | SECTION IO6 COMPLIANCE



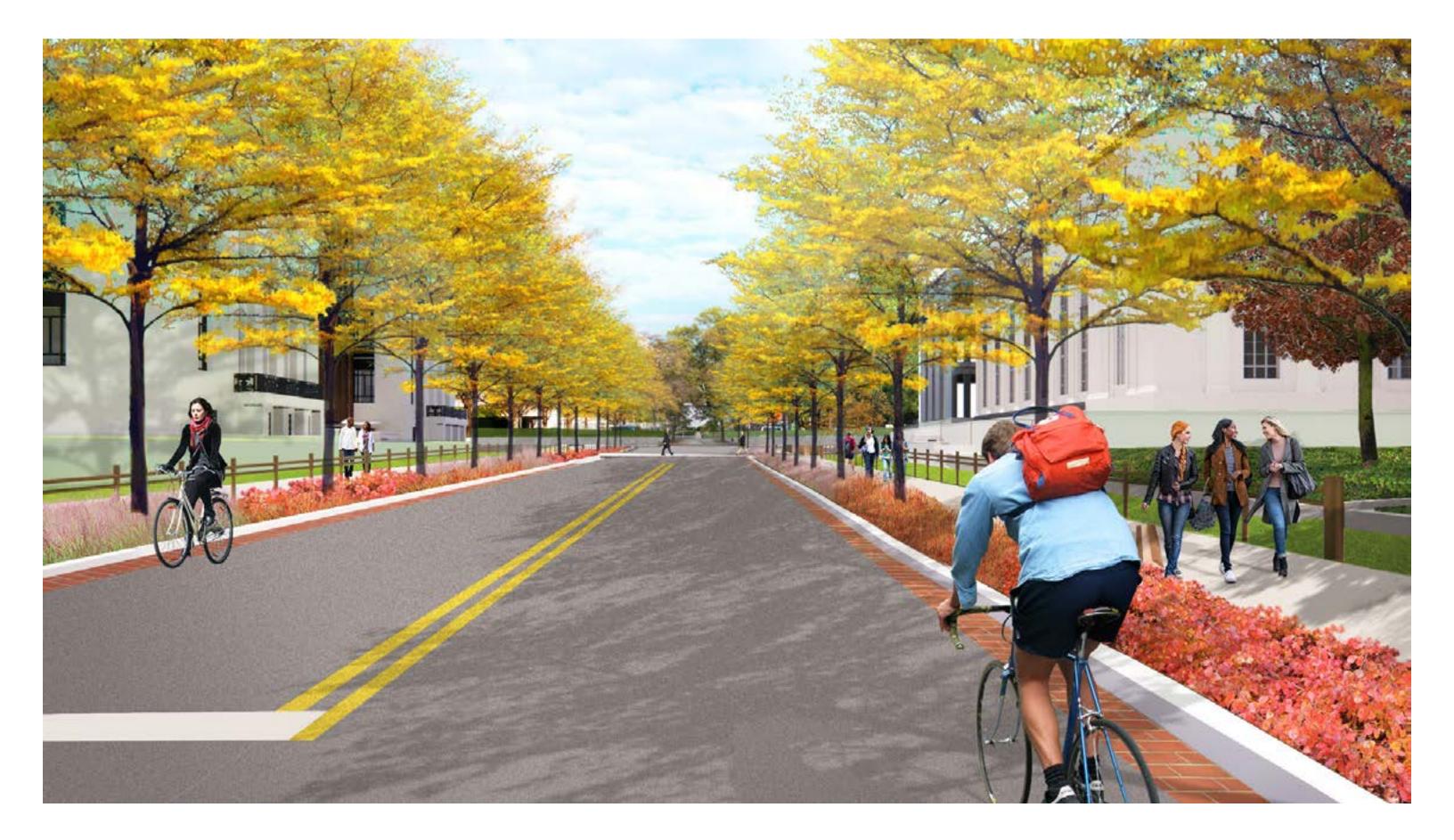
PERIMETER SECURITY MATERIAL STUDY | EXISTING CONDITIONS



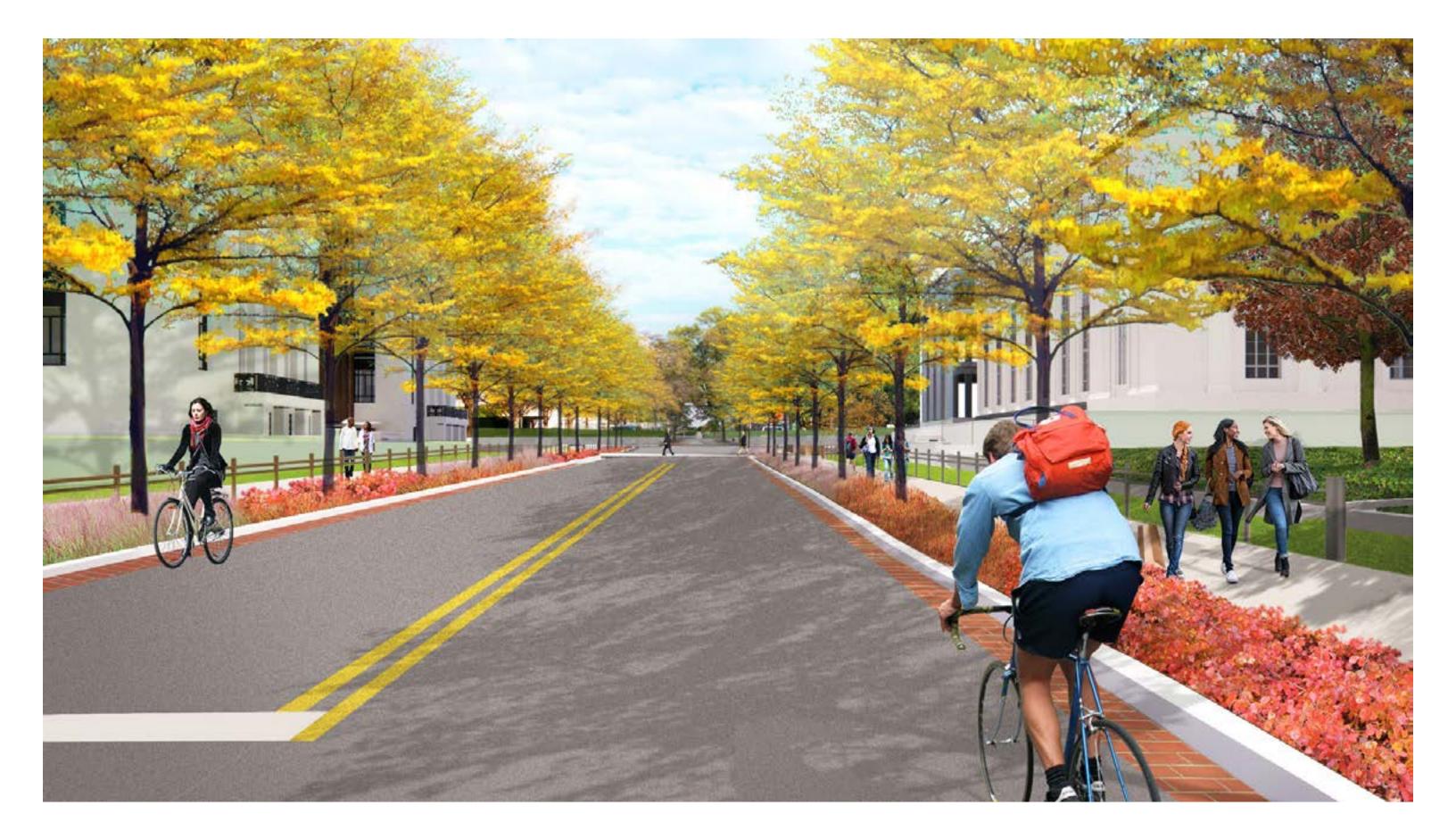
PERIMETER SECURITY MATERIAL STUDY | PROPOSED CONDITION (BRONZE)



PERIMETER SECURITY MATERIAL STUDY | MODIFIED PROPOSED CONDITION (STAINLESS STEEL WITH BEAD BLAST FINISH)



PERIMETER SECURITY MATERIAL STUDY | PROPOSED CONDITION (BRONZE)



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PERIMETER SECURITY MATERIAL STUDY | PROPOSED CONDITION (BRONZE)



PERIMETER SECURITY MATERIAL STUDY | MODIFIED PROPOSED CONDITION (STAINLESS STEEL WITH BEAD BLAST FINISH)





DIRECT VISUAL EFFECTS ON OTHER HISTORIC PROPERTIES IN APE

Direct visual effects change the character of a historic property's setting or alter significant views.

The undertaking will have an adverse effect on the Northwest Rectangle Historic District.



DIRECT PHYSICAL EFFECTS ON OTHER HISTORIC PROPERTIES IN APE

Direct physical effects remove, damage, or alter a historic property.

No direct physical effects to other historic properties located in the APE have been identified.



IDENTIFICATION OF EFFECTS

DIRECT PHYSICAL EFFECTS ECCLES AND FRB-EAST

Direct physical effects remove, damage, or alter a historic property.

The undertaking will have an adverse effect on the Eccles Building and the FRB-East Building properties.

HISTORY | EDUCATION

- Website that provides information on the history of the sites prior to the construction of the Eccles Building and FRB-East Building.
- Website that provides the history of each building, its architects and landscape architects, and its chronology of use.
- Website will provide downloadable brochure with histories of the properties.
- Construction fencing that includes history of building and openings to view construction efforts.

DOCUMENTATION

• Level II HABS Documentation on FRB-East **Building Auditorium**

VIRTUAL TOUR

Online virtual tour of significant spaces of • Eccles and FRB-East buildings.

ACCESS TO SOUTH LAWNS

Public access to the south lawns of the • Eccles and FRB-East buildings. Access dependent on security conditions/levels.

MITIGATION STRATEGIES



MILESTONE	DATE
Public Scoping Meeting	September/Octob
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	January 26, 2021
Preparation of Environmental Assessment Public Review Draft	September 2019 t
EA Public Review Period	September/Octob
Section 106 Consultation	September 2019 t
Anticipated Preparation of Memorandum of Agreement (MOA)	Spring 2021

SCHEDULE & NEXT STEPS

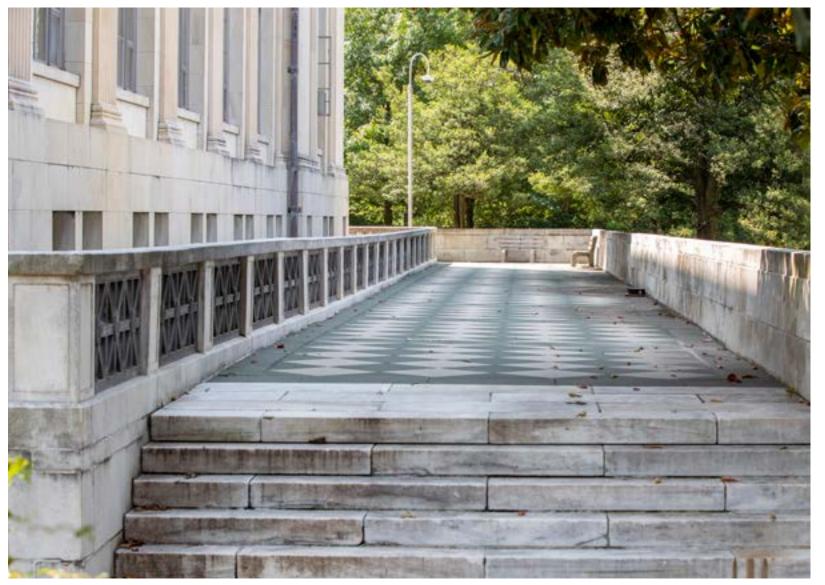
ber 2019

hrough Fall 2020

ber 2020

hrough Spring 2021

FORTUS | BOARD OF GOVERNORS - THE FEDERAL RESERVE SYSTEM



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, February 23, 2021**

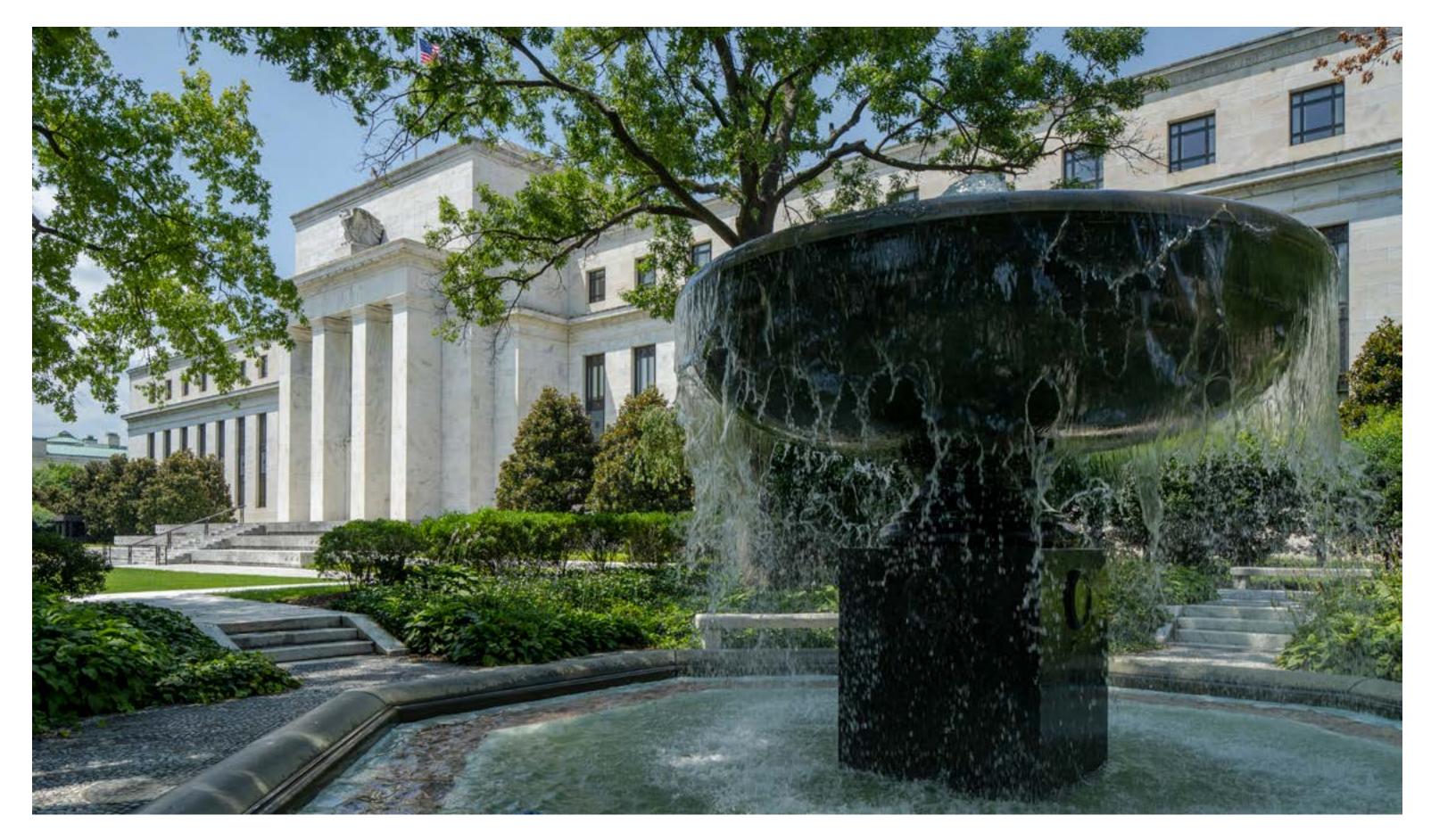
Comments and questions can be addressed to:

FRB-Renovation@frb.gov

FEDERAL RESERVE BOARD-EAST BUILDING TERRACE

HOW TO COMMENT

QUESTIONS AND COMMENTS:



QUESTIONS AND COMMENTS