## 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

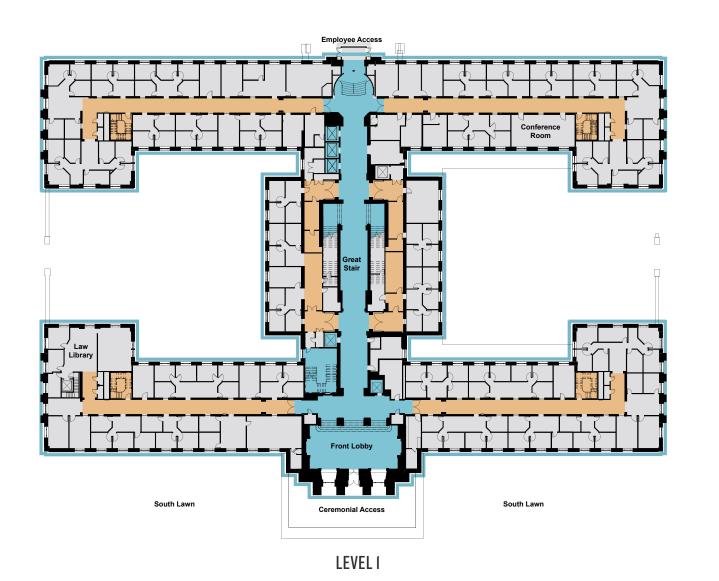
## eneral massing and site

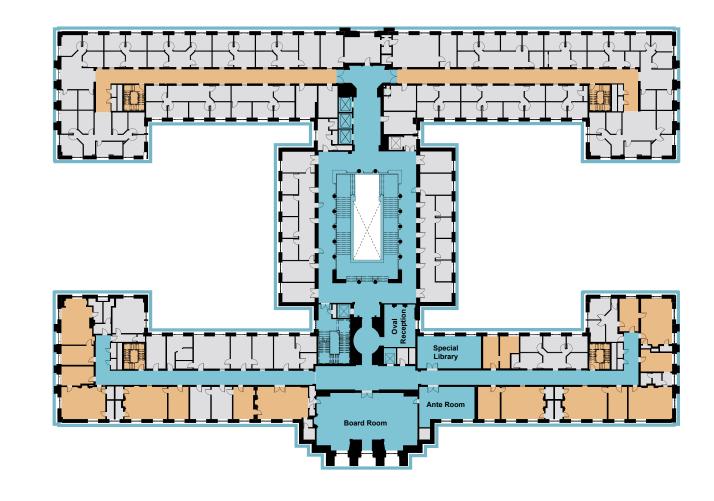
## concept design for the overall scape and the Eccles Building

## oncept design for the g

oreliminary design proposal

# ECCLES BUILDING DESIGN UPDATES





LEVEL 2

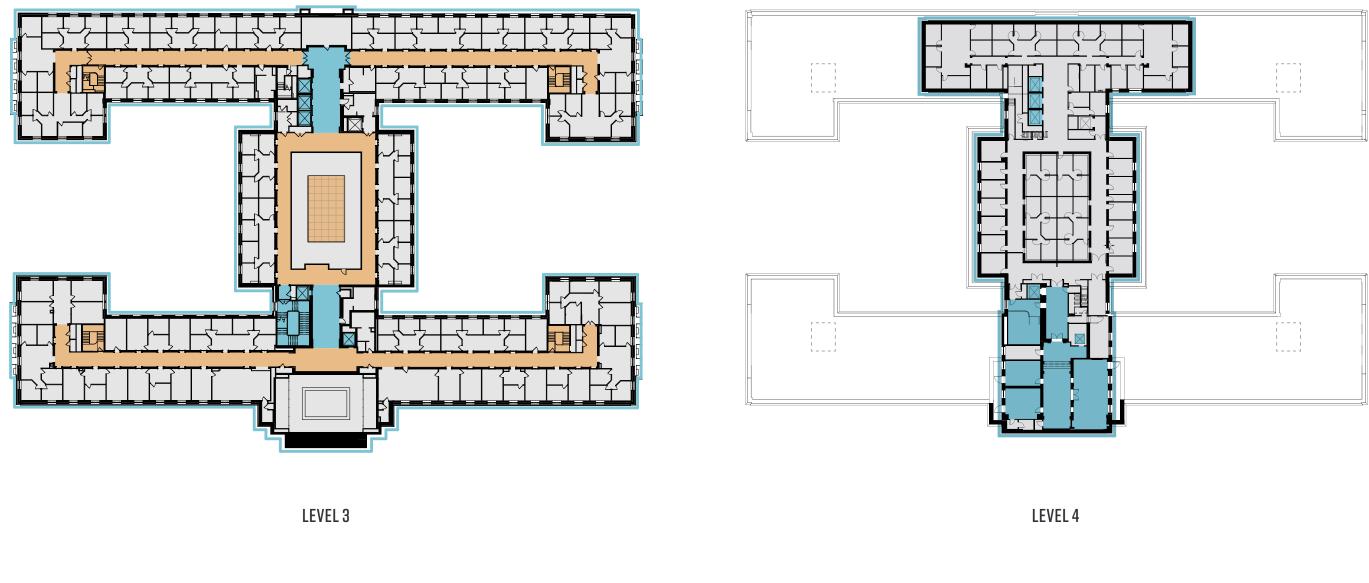
### **PRESERVATION ZONES**

Zone 2

Zone 1

Zone 3







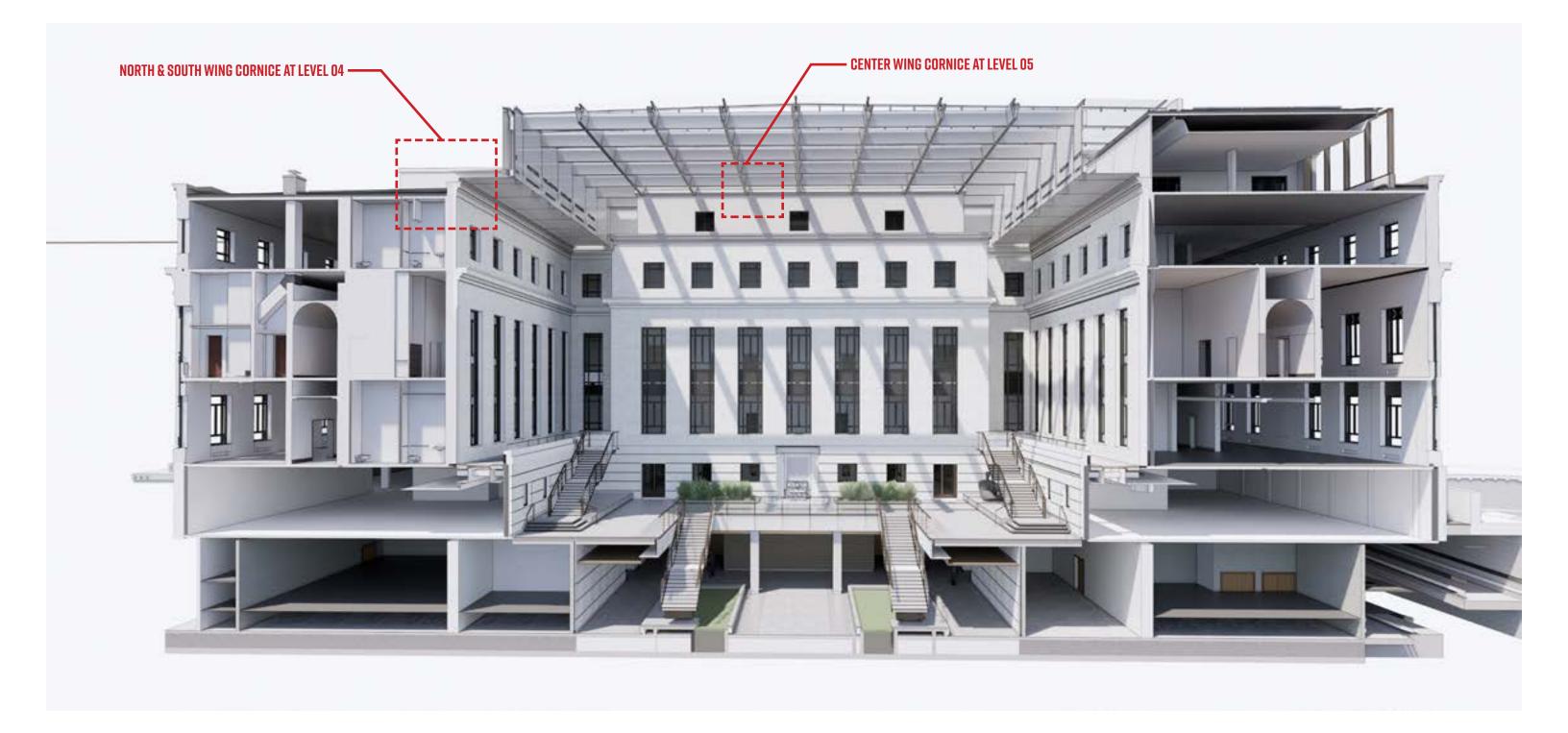
Zone 3

## **PRESERVATION ZONES**

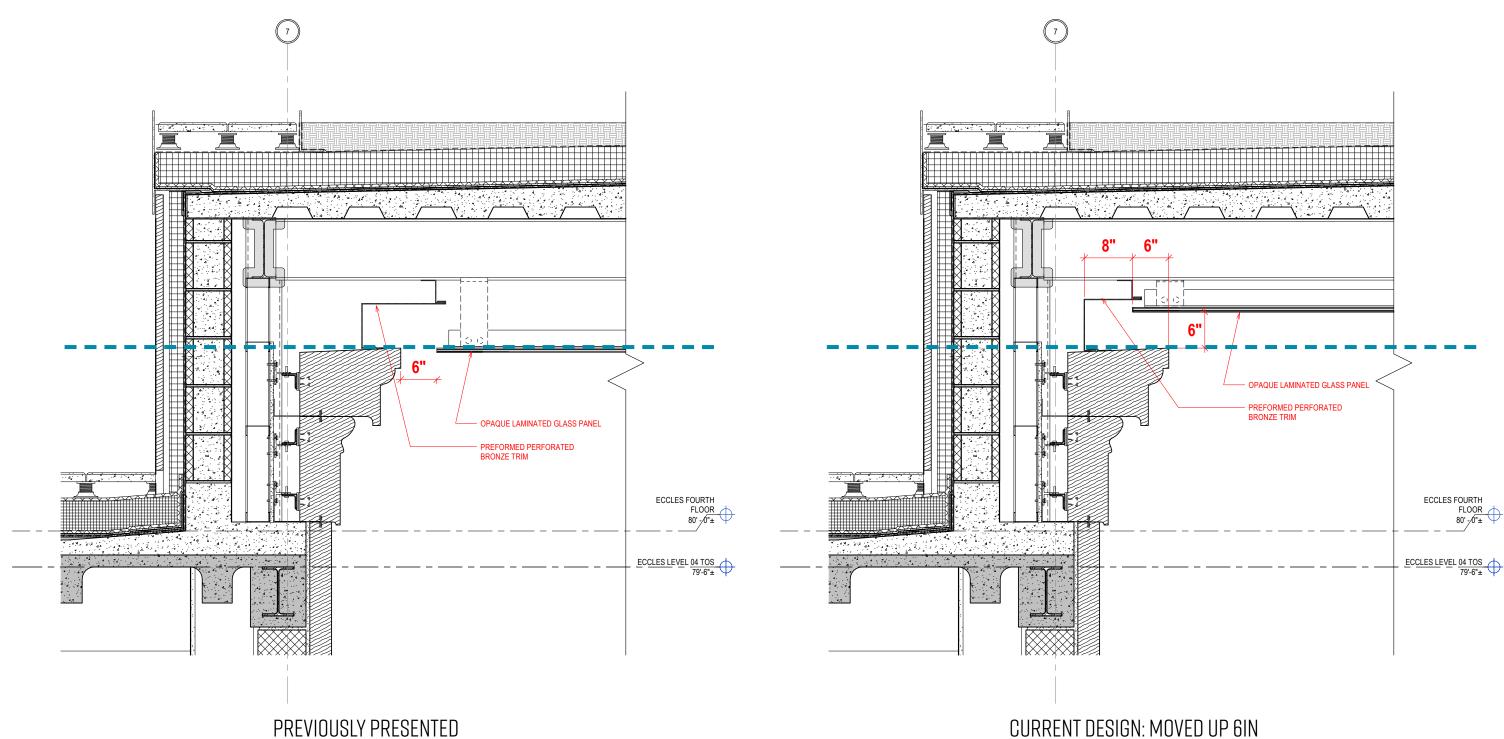
 $\mathbf{I}$ 

Ν

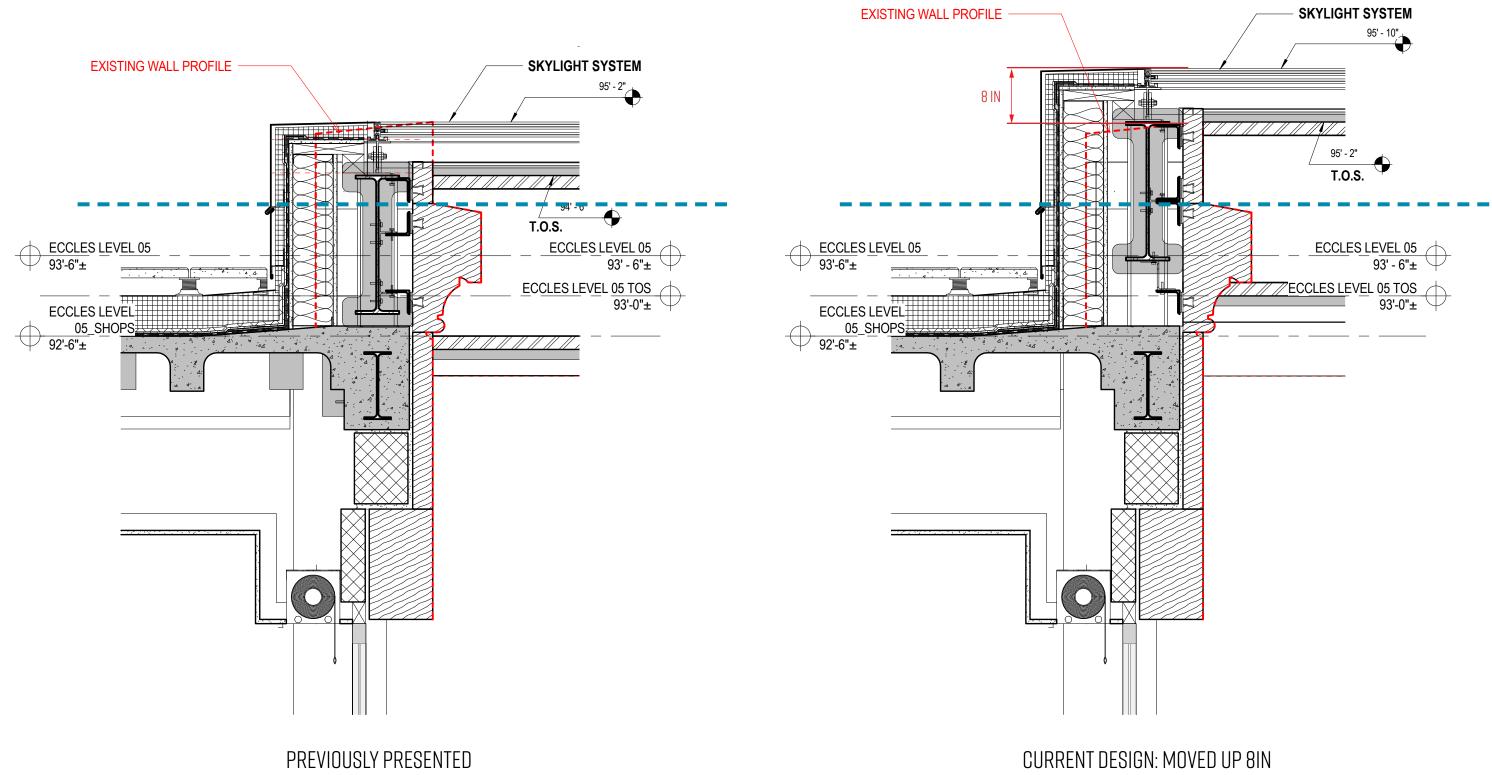
# SKYLIGHT



### 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





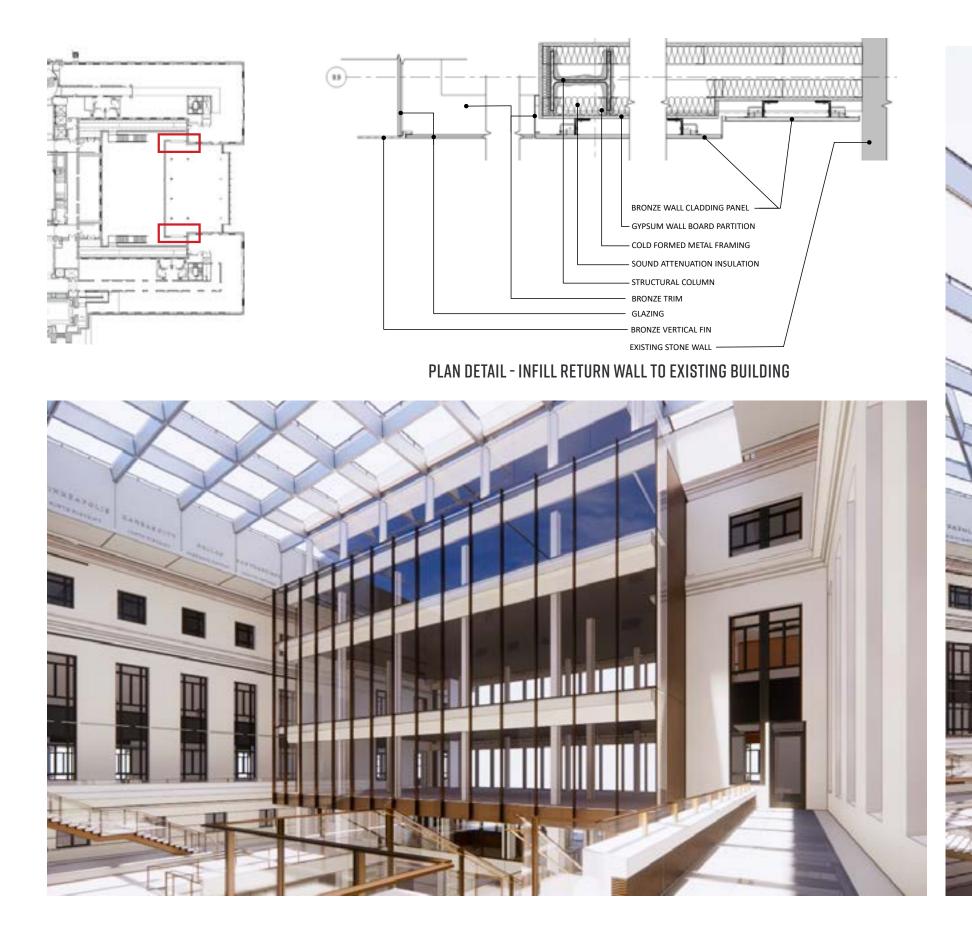
#### **PREVIOUSLY PRESENTED**



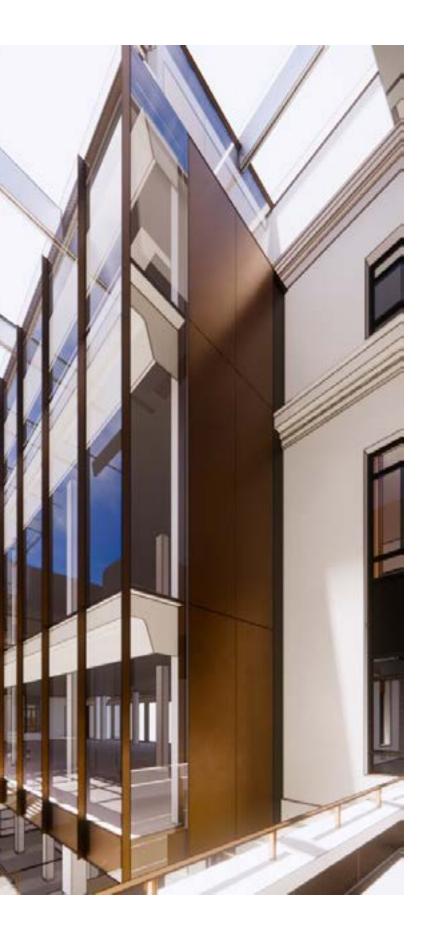
#### **MOVED 8 INCHES UP**

#### **SKYLIGHT** VIEW FROM 2IST STREET



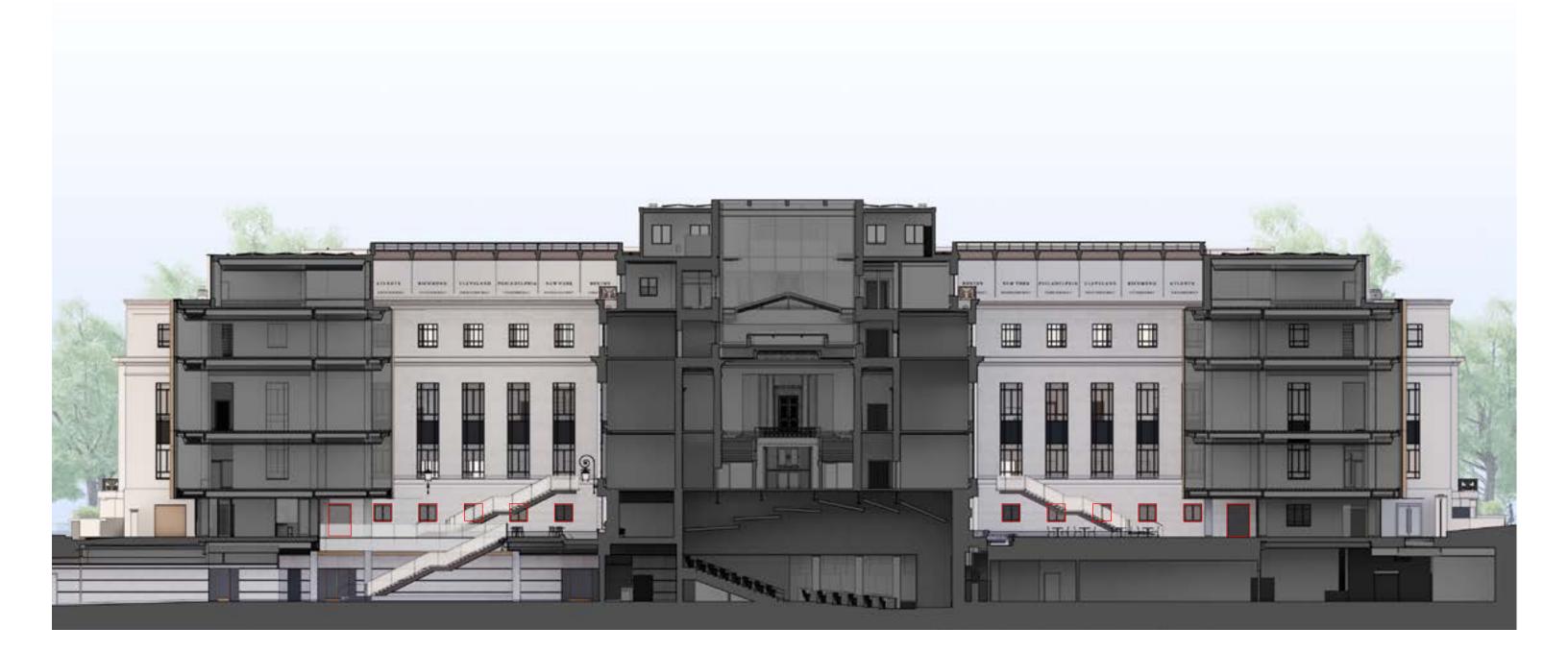


JANUARY 26, 2021



# **NEW OPENINGS**





### ATRIUM OPENINGS LEVEL CI OPENING LOCATIONS

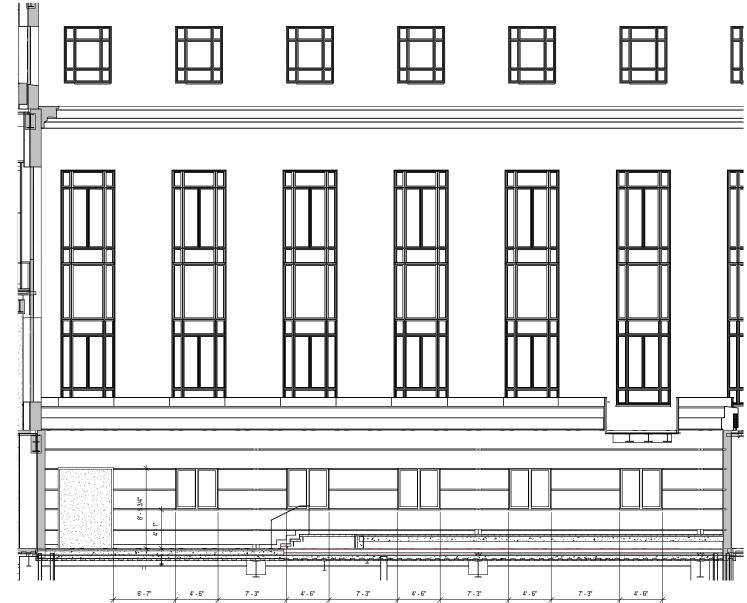




Proposed Design

### EAST ATRIUM OPENINGS NORTH ELEVATION



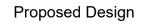


Proposed Design

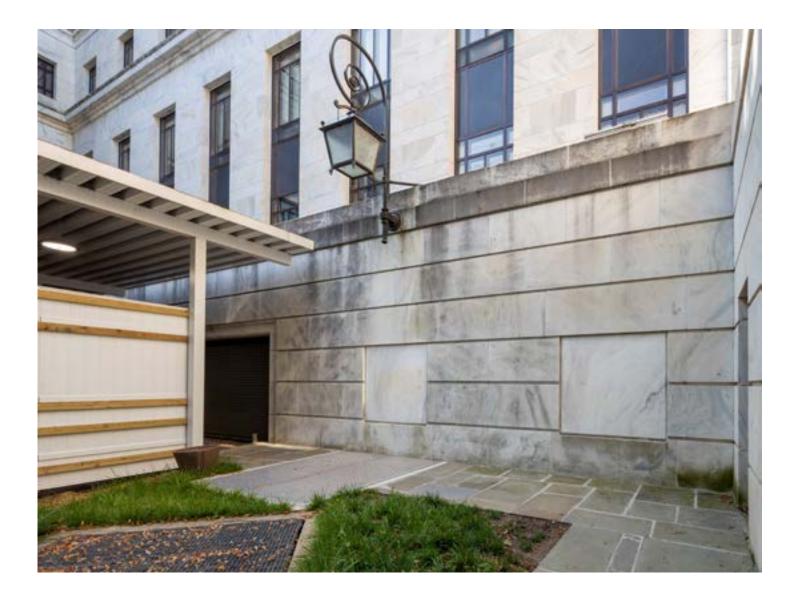
## EAST ATRIUM OPENINGS SOUTH ELEVATION







### WEST ATRIUM OPENINGS NORTH ELEVATION

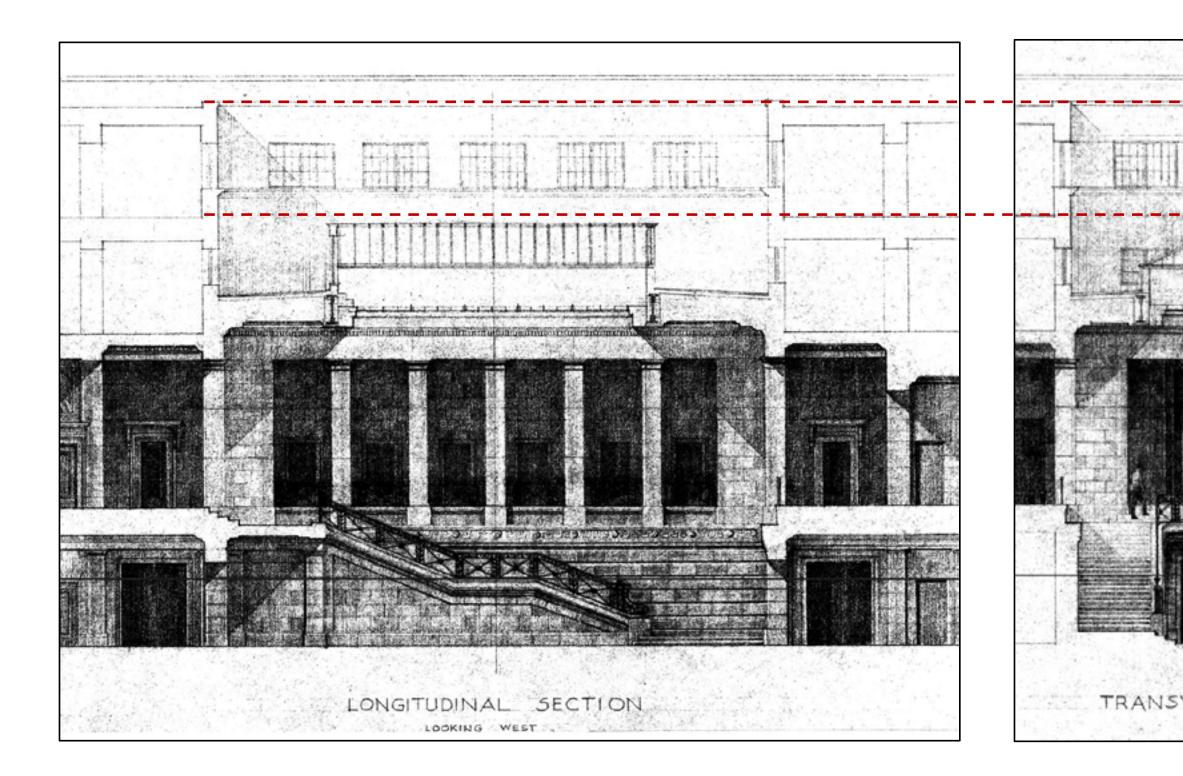




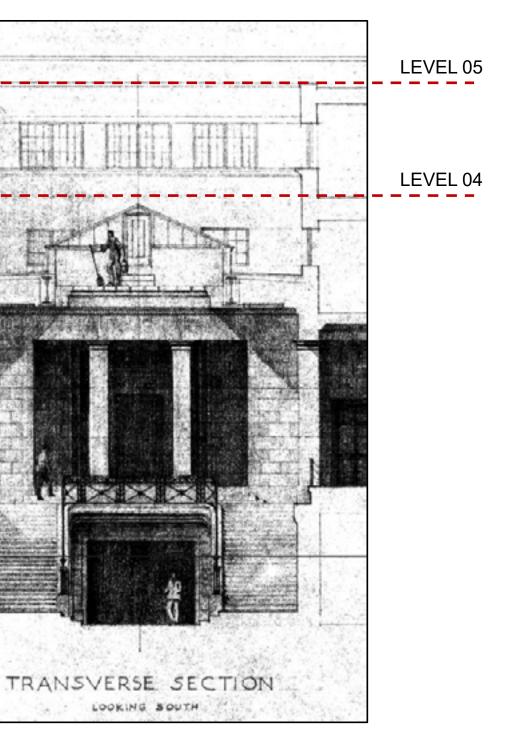
Proposed Design

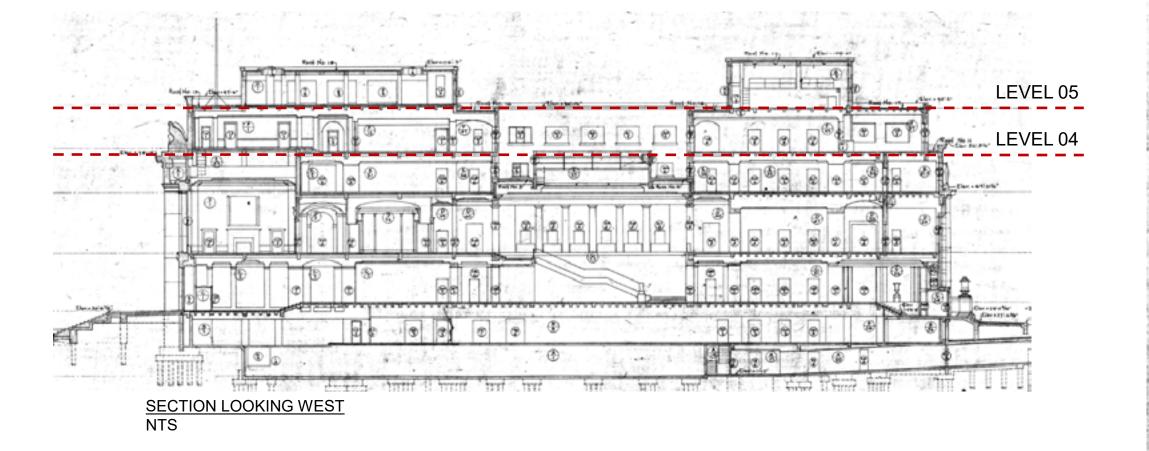
### WEST ATRIUM OPENINGS SOUTH ELEVATION

# LAYLIGHT

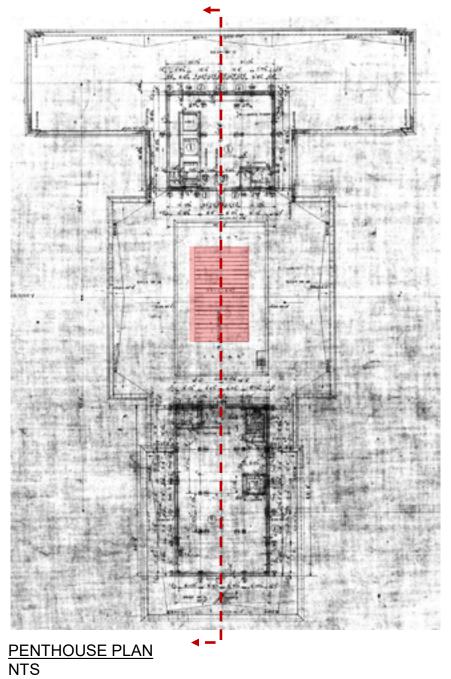


## LAYLIGHT HISTORIC SKYLIGHT CONFIGURATION





### LAYLIGHT HISTORIC BUILDING ENVELOPE

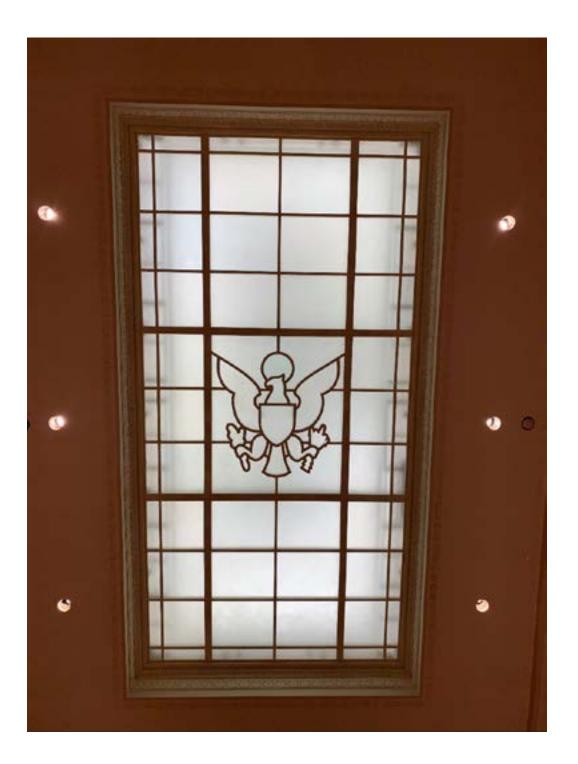






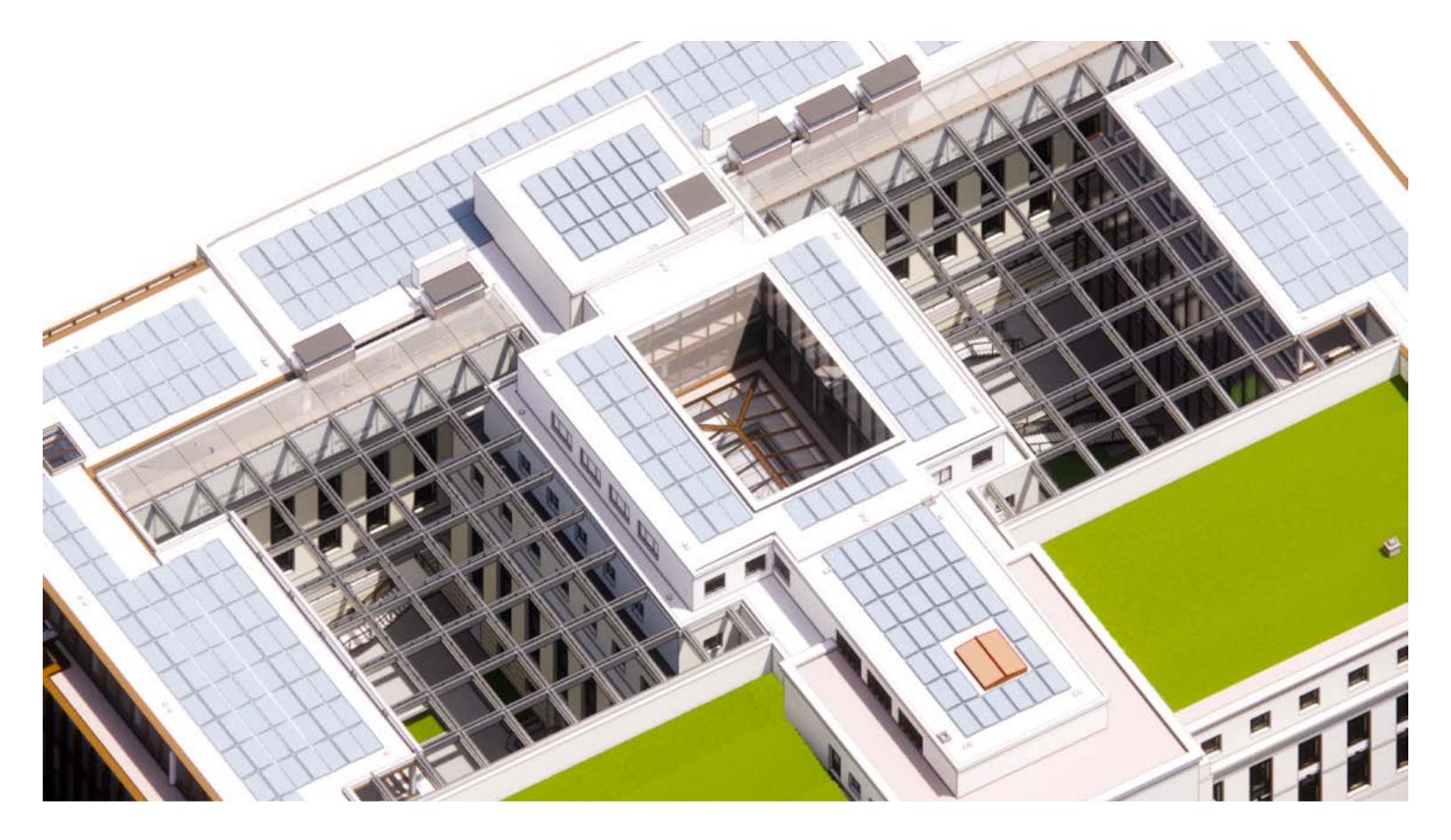


### LAYLIGHT HISTORIC GRAND HALL LIGHTING CONDITIONS

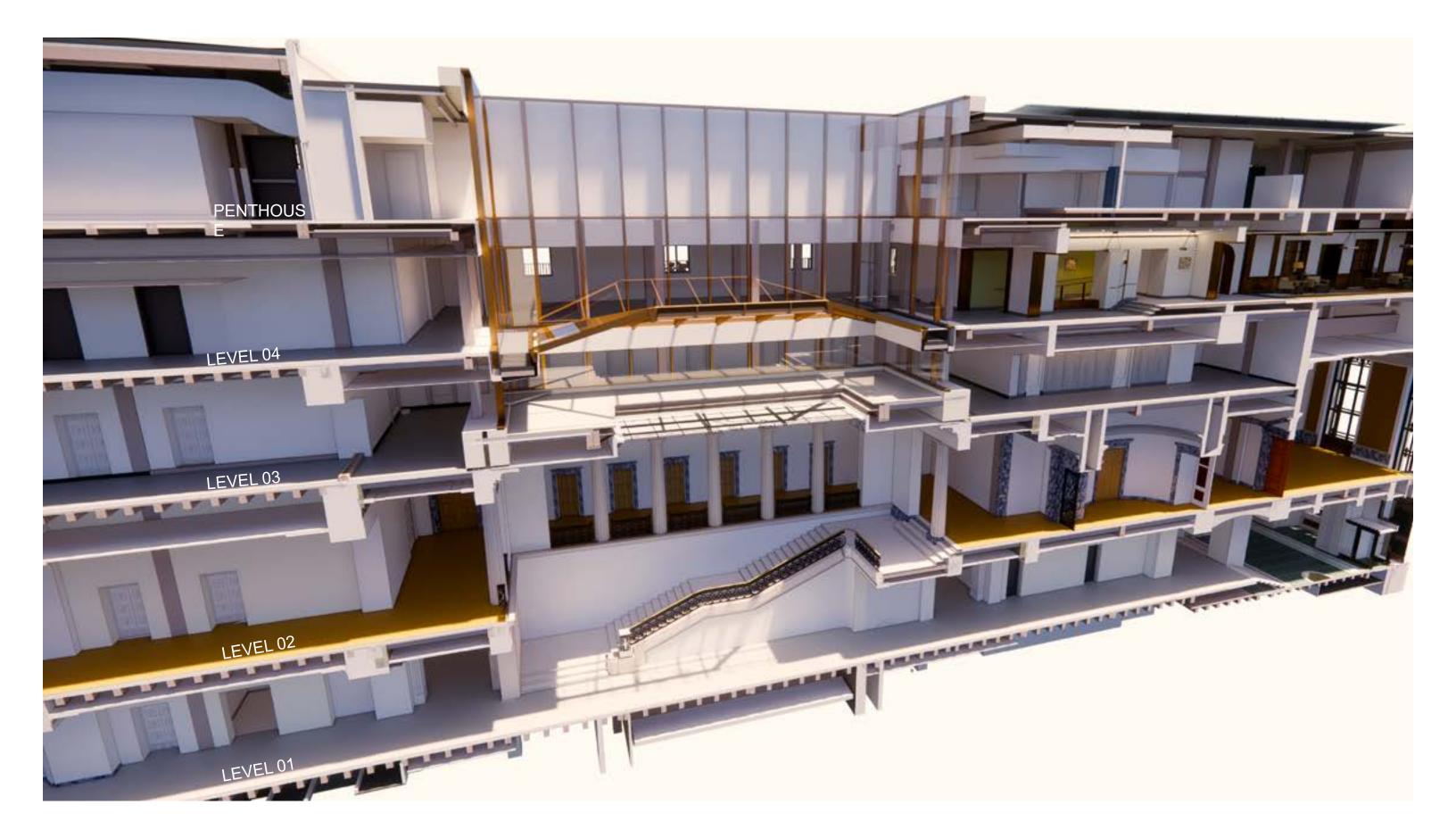




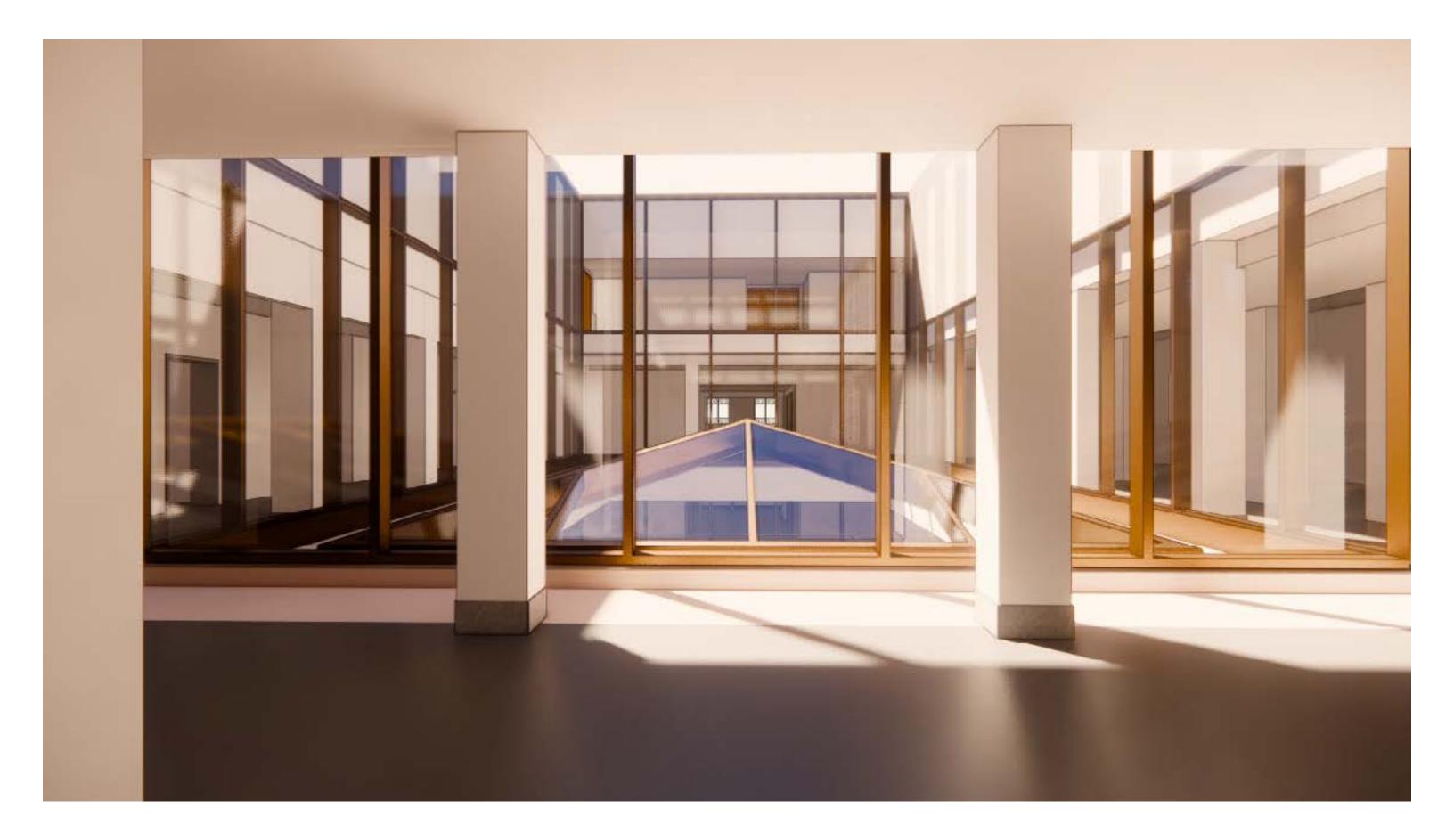
## LAYLIGHT PRESENT DAY CONDITIONS



## LAYLIGHT PROPOSED DESIGN | BIRD'S EYE VIEW



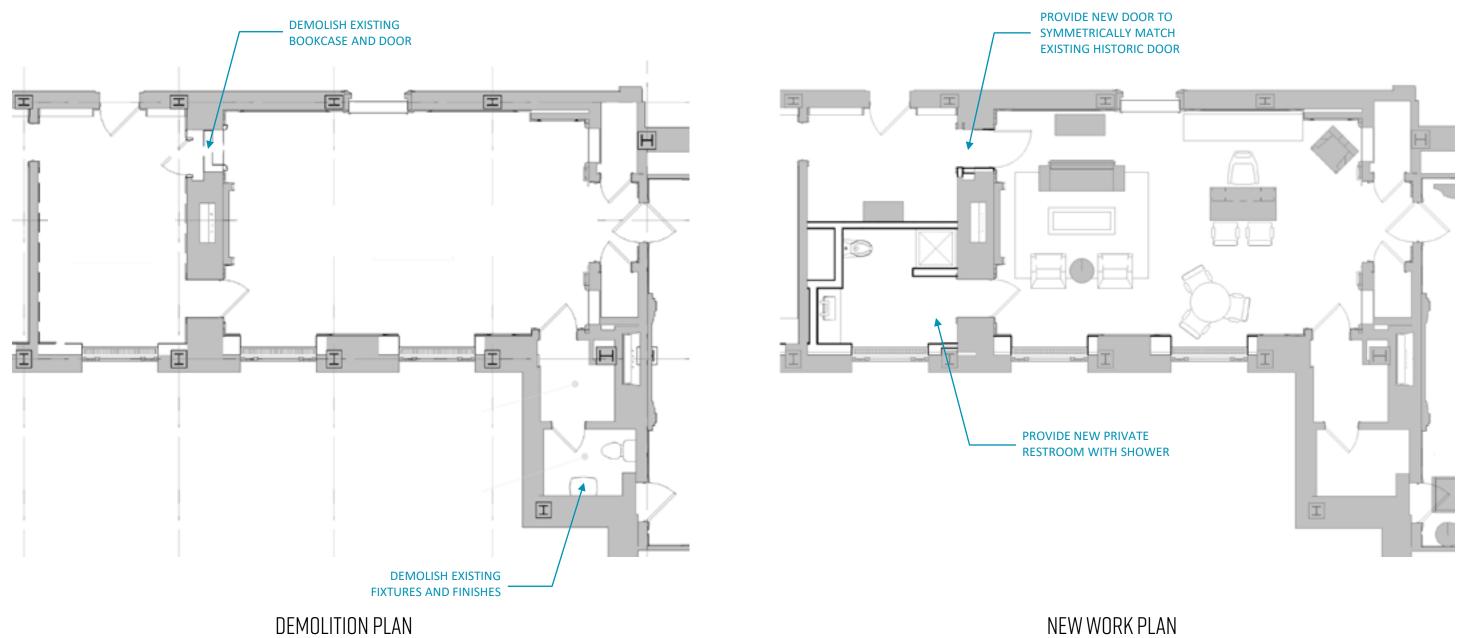
#### LAYLIGHT PROPOSED DESIGN | SECTION PERSPECTIVE



## LAYLIGHT PROPOSED DESIGN | VIEW FROM LEVEL 04

# **CHAIR'S OFFICE**





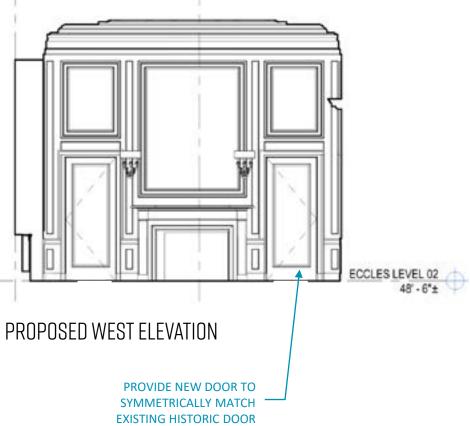
#### **CHAIR'S OFFICE RECONFIGURATION**





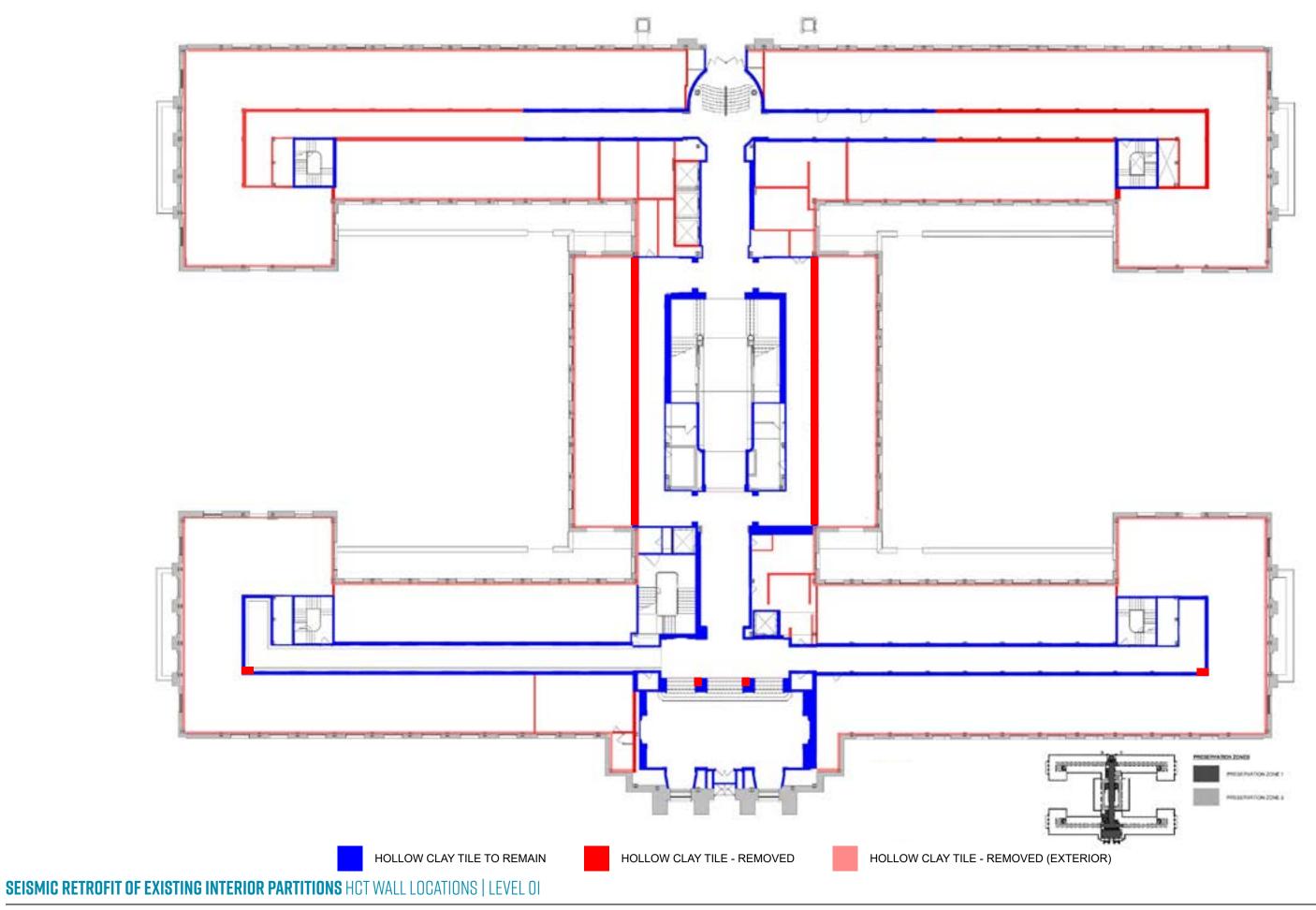
EXISTING VIEW OF WEST ELEVATION

#### **CHAIR'S OFFICE RECONFIGURATION**

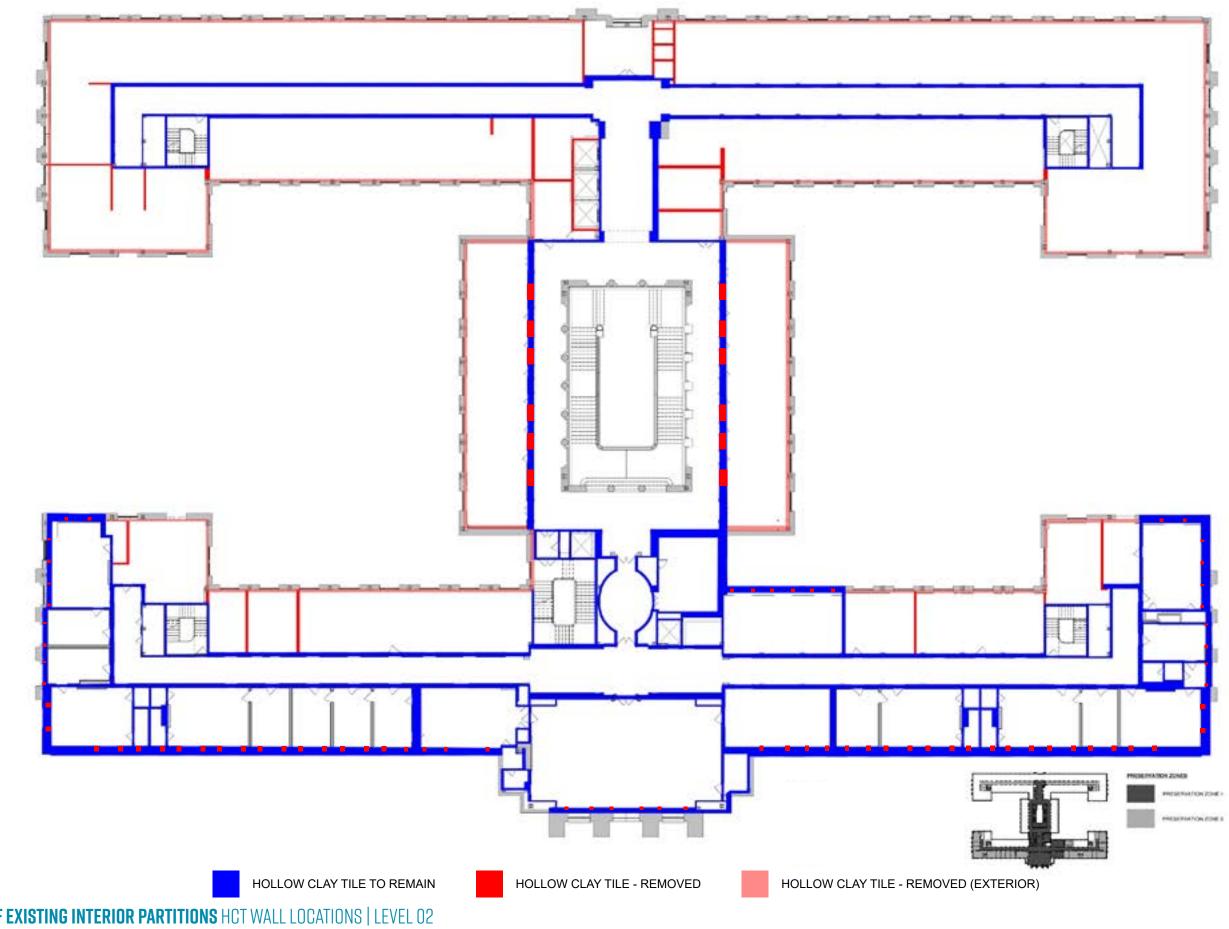




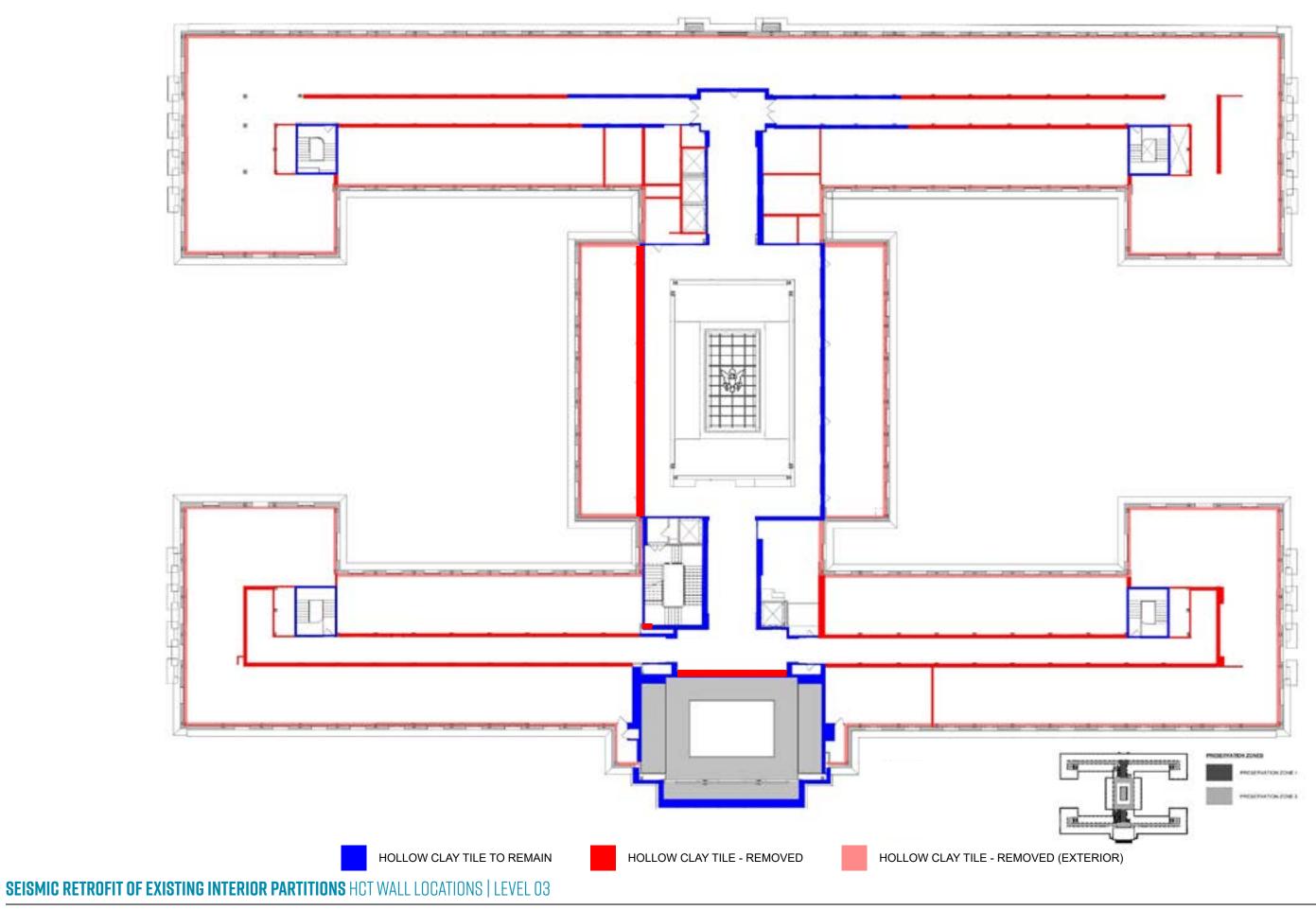




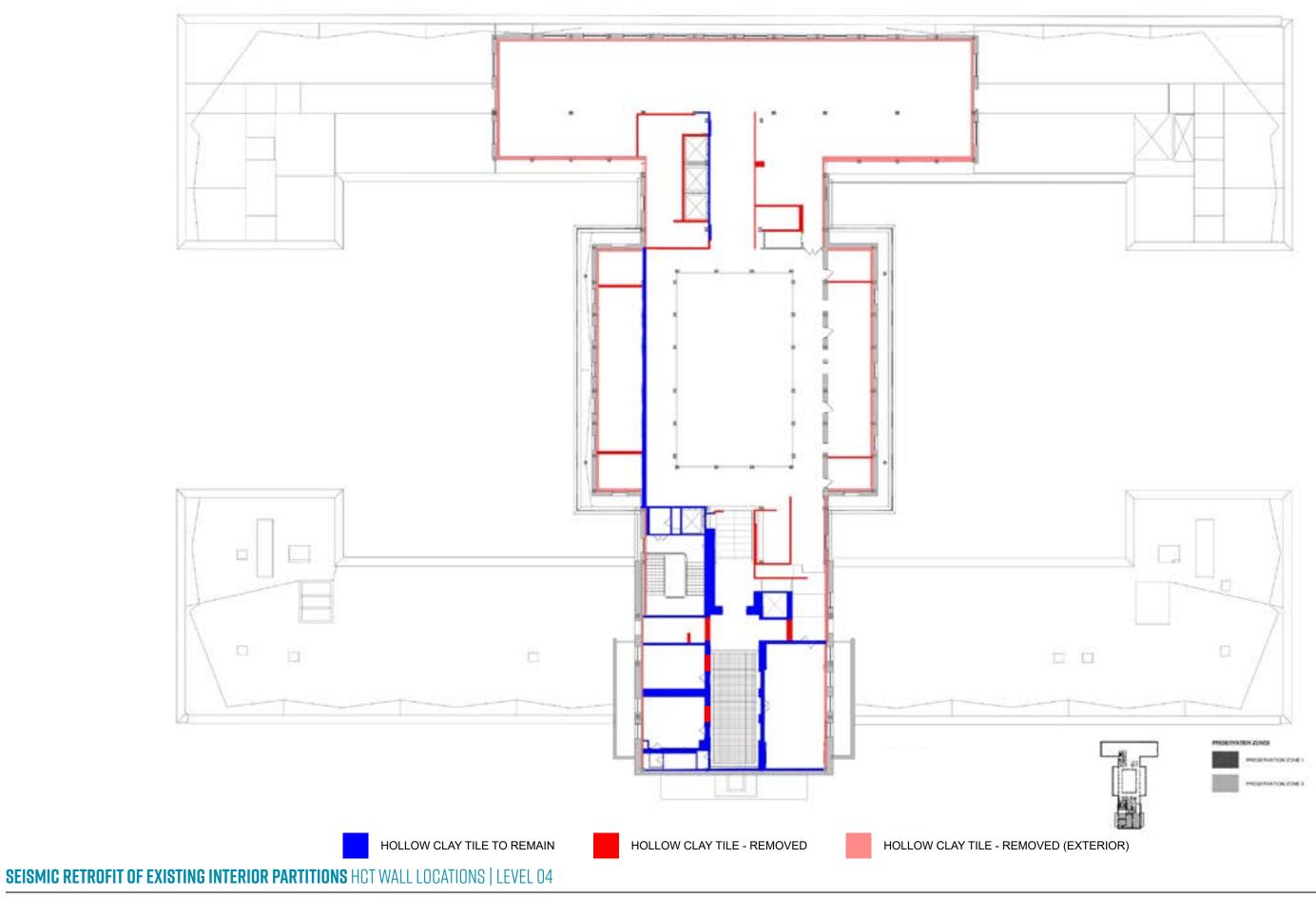








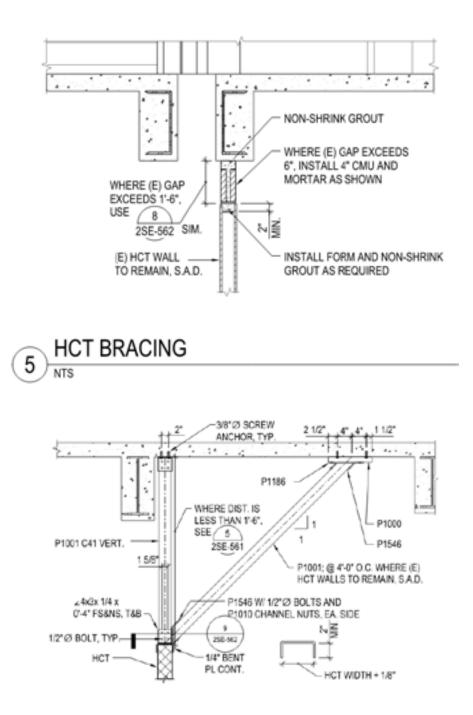






## **ACTIVATE ARCHING ACTION**

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

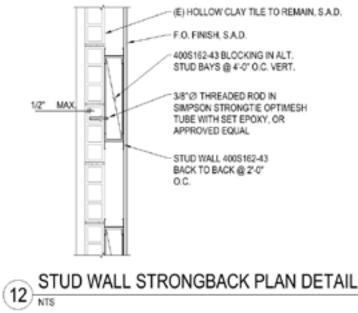


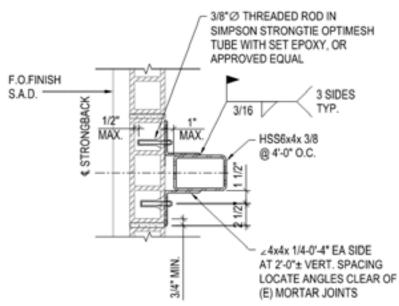
HCT BRACING 8 NTS

#### 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





Ν

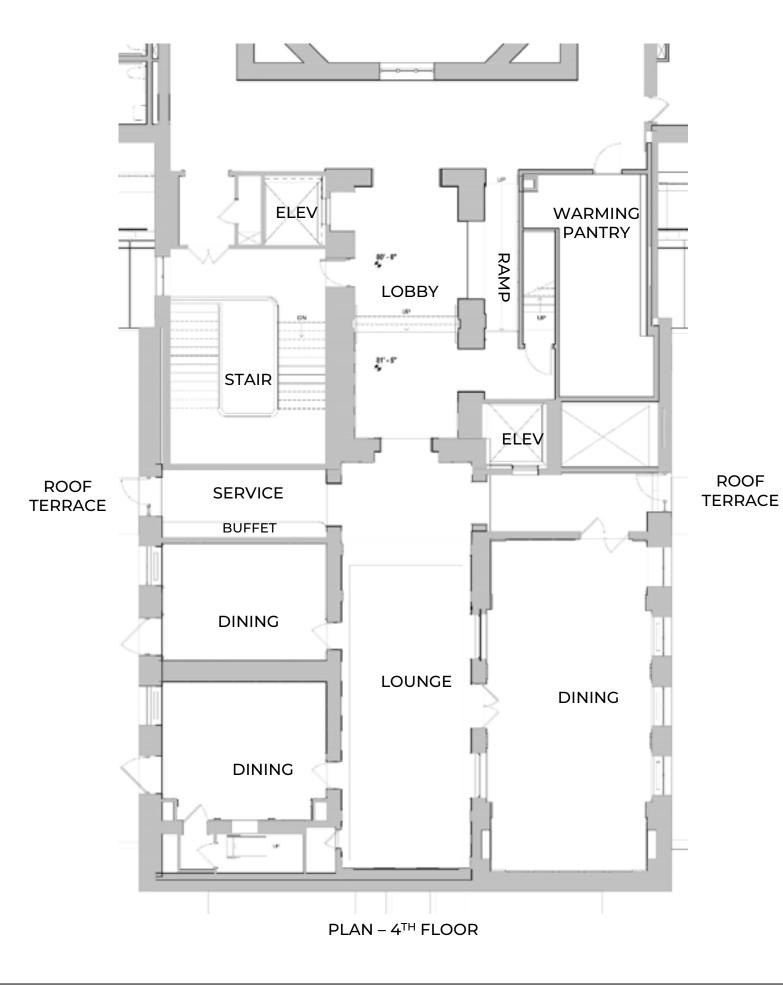
# **FOURTH FLOOR** DINING

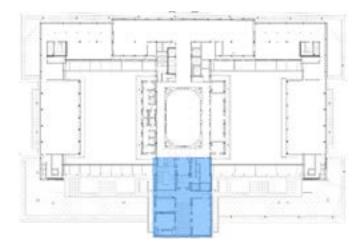




#### FOURTH FLOOR DINING PLAN

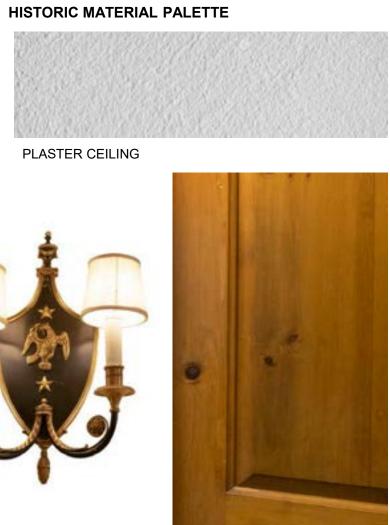


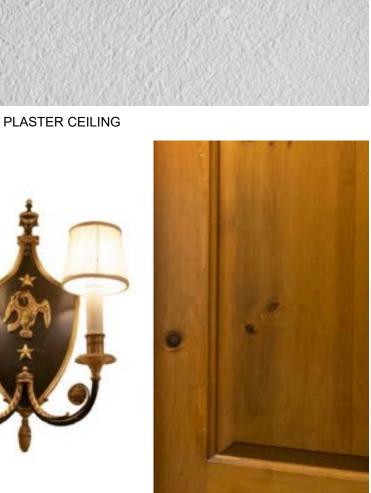




### N (T)







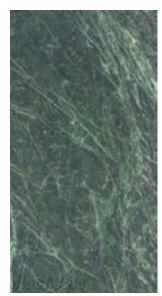




QUARRY TILE

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

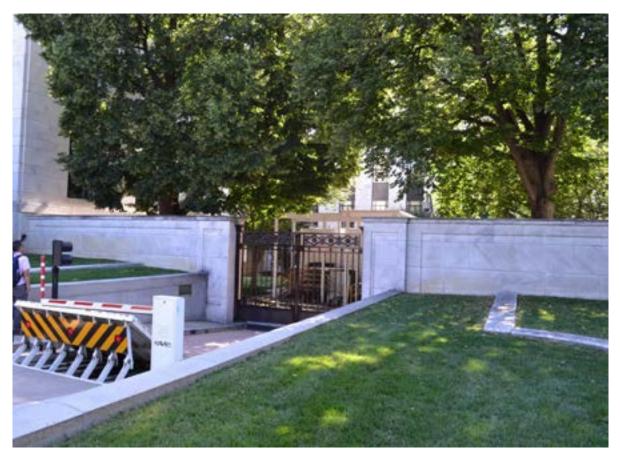


### FOURTH FLOOR DINING VIEW OF LOUNGE



#### VIEW OF LOUNGE LOOKING NORTH

# EAST AND WEST COURTYARD WALLS



Existing West Entry Landscape



Existing West Entry Approach

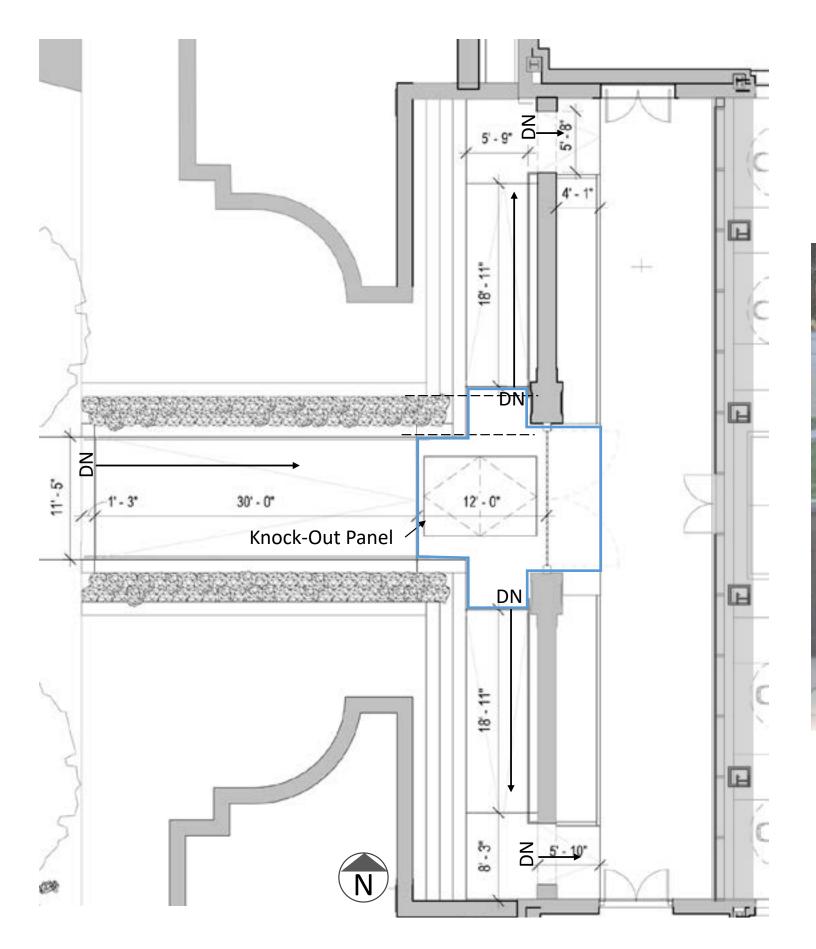


Entry Gate circa 1955



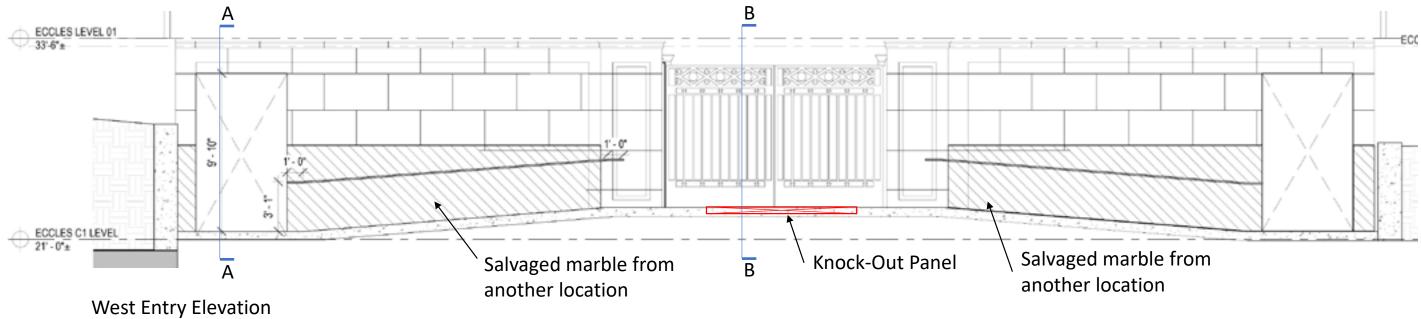
Existing West Entry Gate

### SITE WALLS WEST ENTRY | CONTEXT





### **SITE WALLS** WEST ENTRY | PROPOSED LANDING PLAN



#### **SITE WALLS** WEST ENTRY | PROPOSED LANDING DETAILS



Existing



Proposed

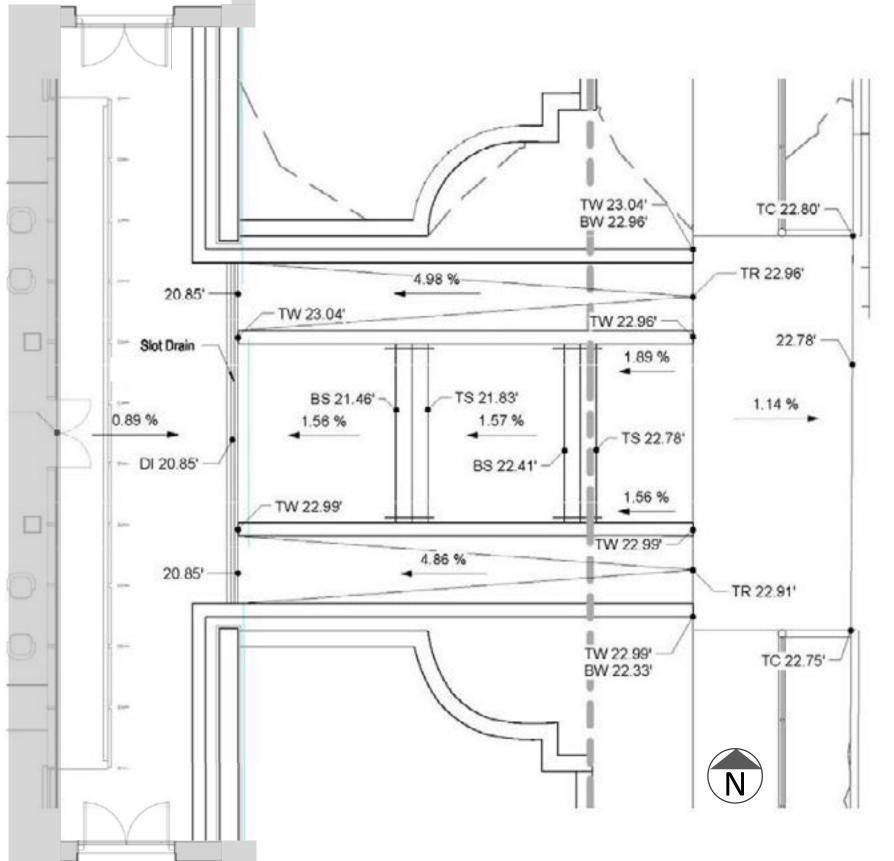
#### **SITE WALLS** WEST ENTRY | PROPOSED LANDING PERSPECTIVE

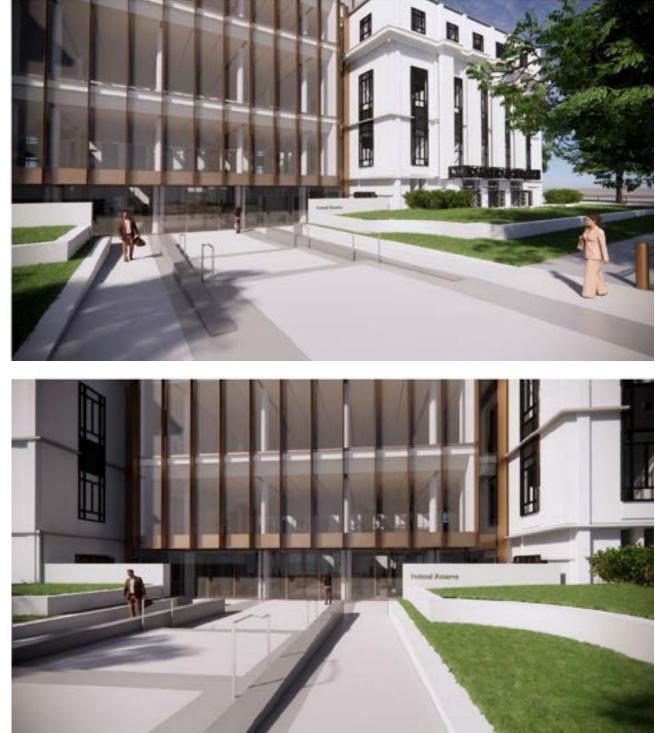




## SITE WALLS EAST ENTRY | CONTEXT

ECCLES / FRB-EAST | SECTION IO6 COMPLIANCE







### **SITE WALLS** EAST ENTRY | CURRENT PROPOSED DESIGN

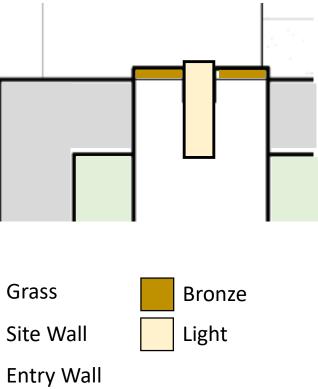




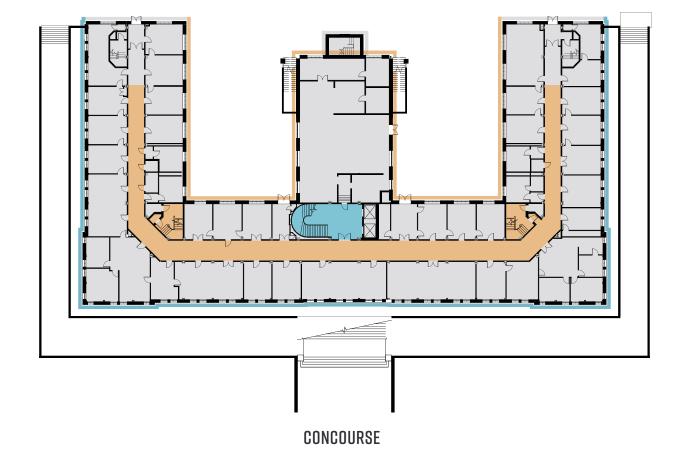


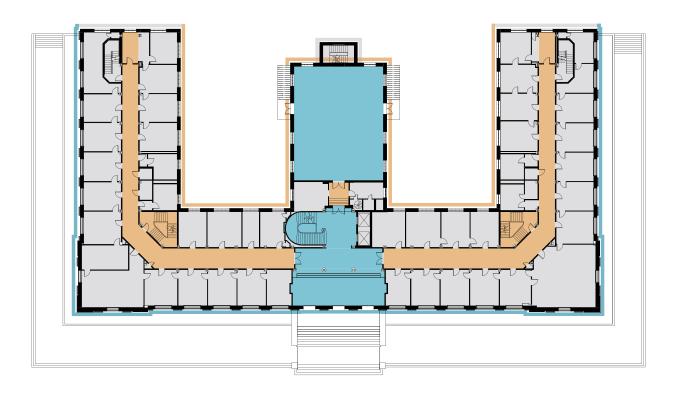
## Proposed Threshold

#### **SITE WALLS** EAST ENTRY | MODIFIED PROPOSED DESIGN | LIGHT BLADE



# FRB-EAST BUILDING DESIGN UPDATES





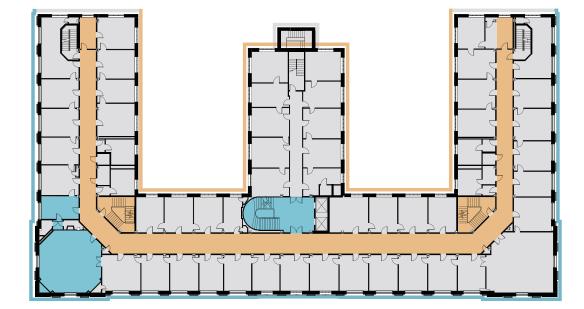
LEVEL I

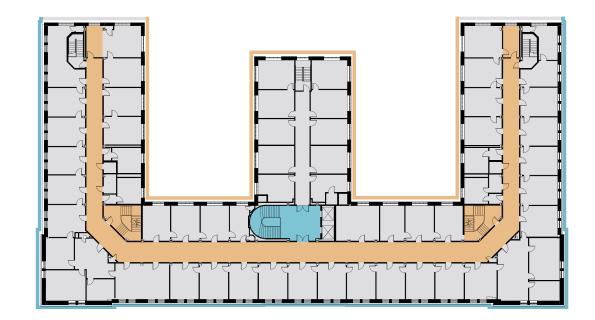


Zone 2

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





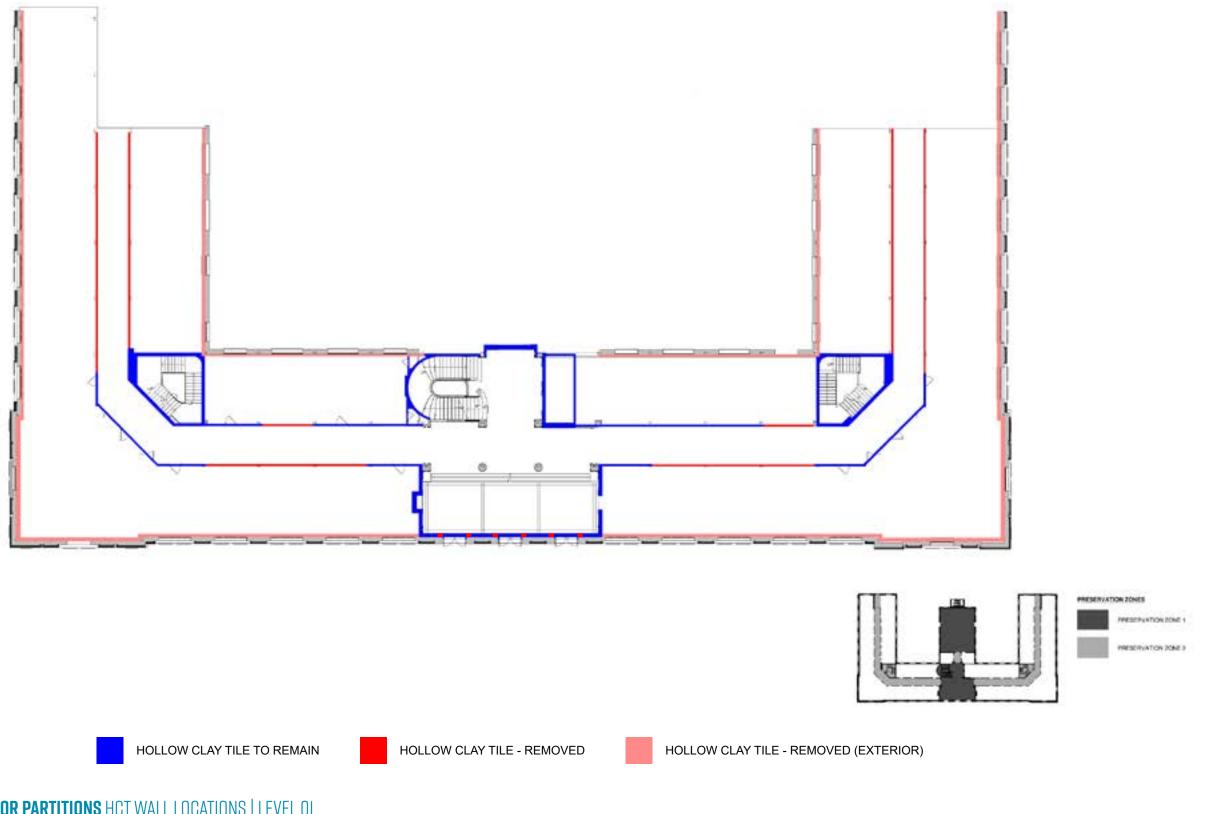
ST. GENEVIEVE GOLDEN VEINED MARBLE





### **TERRAZZO FLOORING**

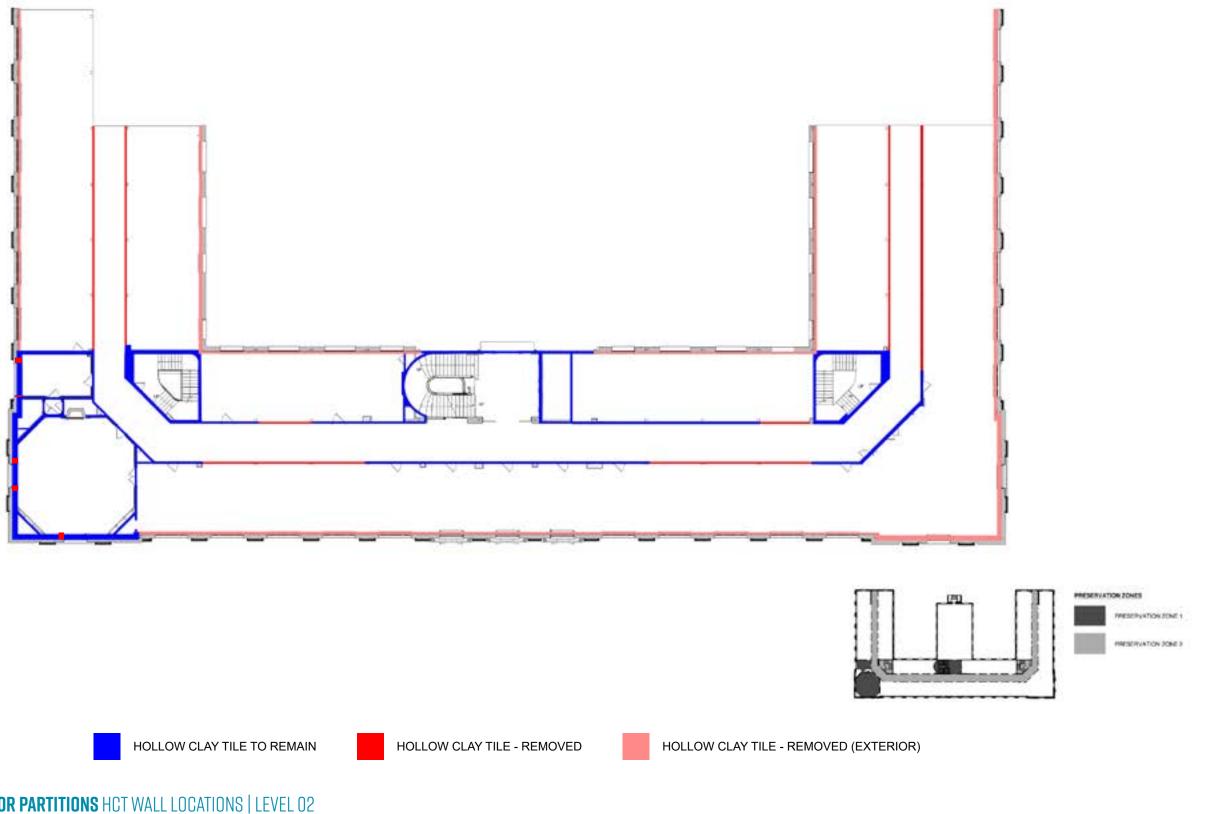






SEISMIC RETROFIT OF EXISTING INTERIOR PARTITIONS HOT WALL LOCATIONS | LEVEL OI

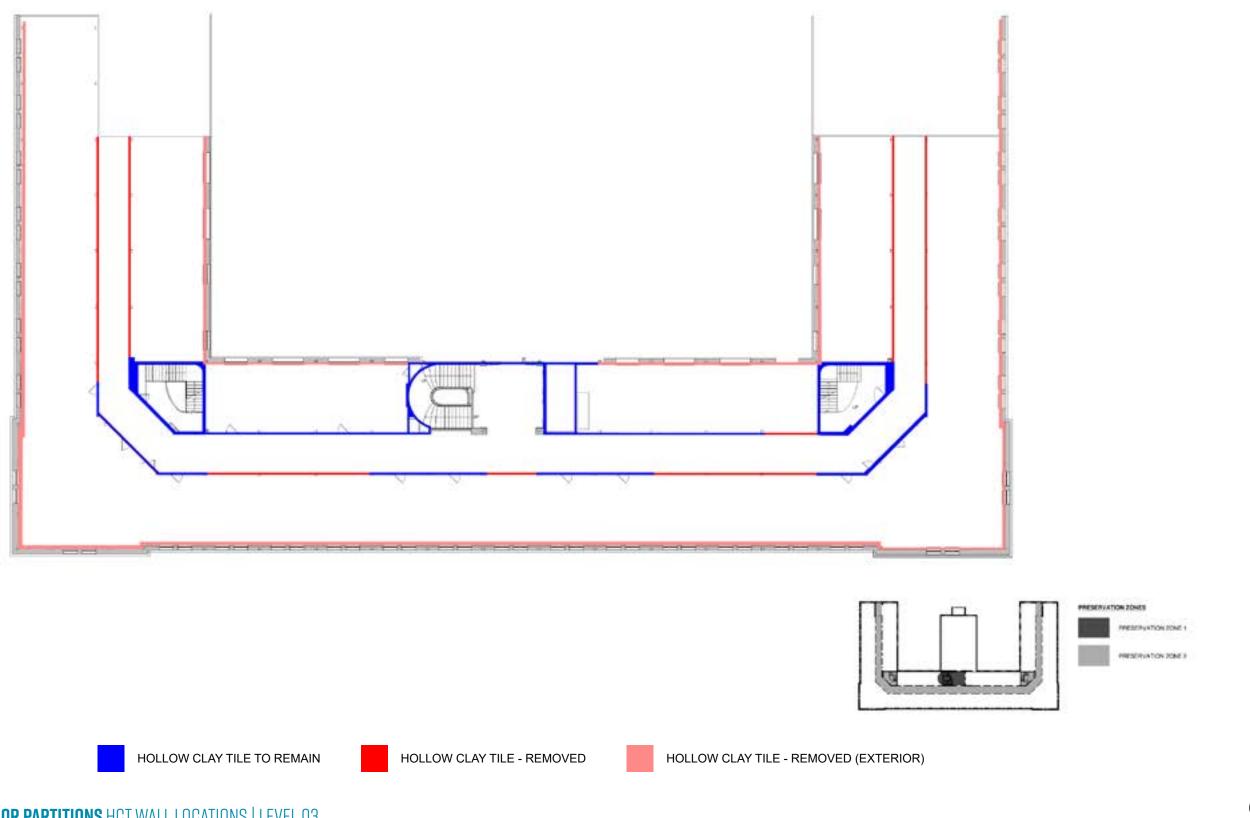
Ν

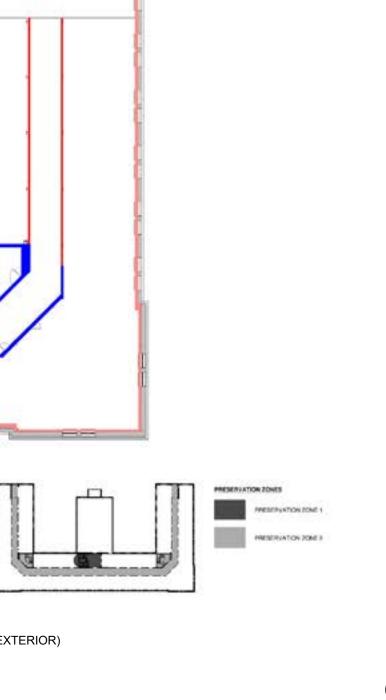




SEISMIC RETROFIT OF EXISTING INTERIOR PARTITIONS HOT WALL LOCATIONS | LEVEL 02

Ν



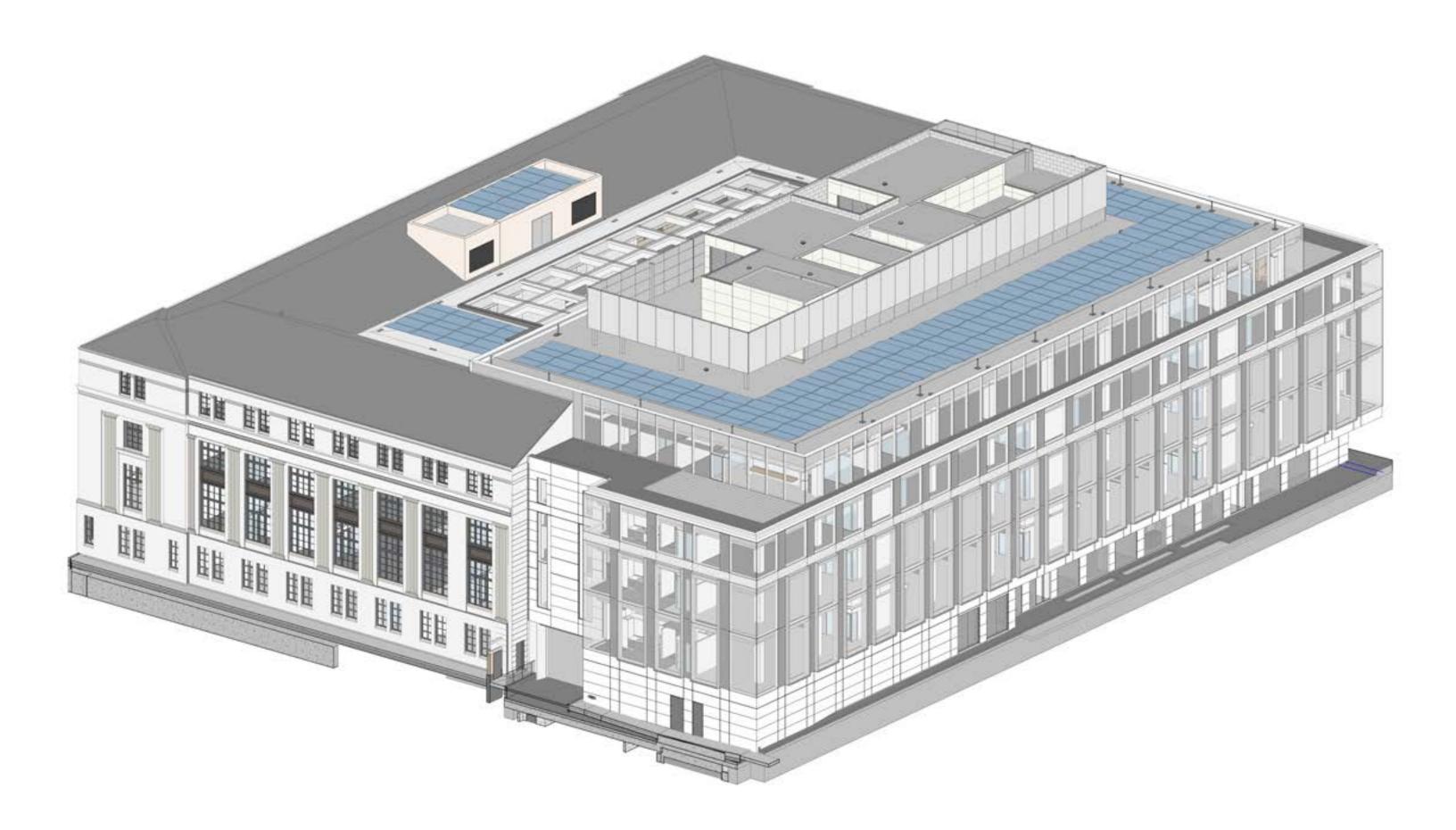


SEISMIC RETROFIT OF EXISTING INTERIOR PARTITIONS HOT WALL LOCATIONS | LEVEL 03

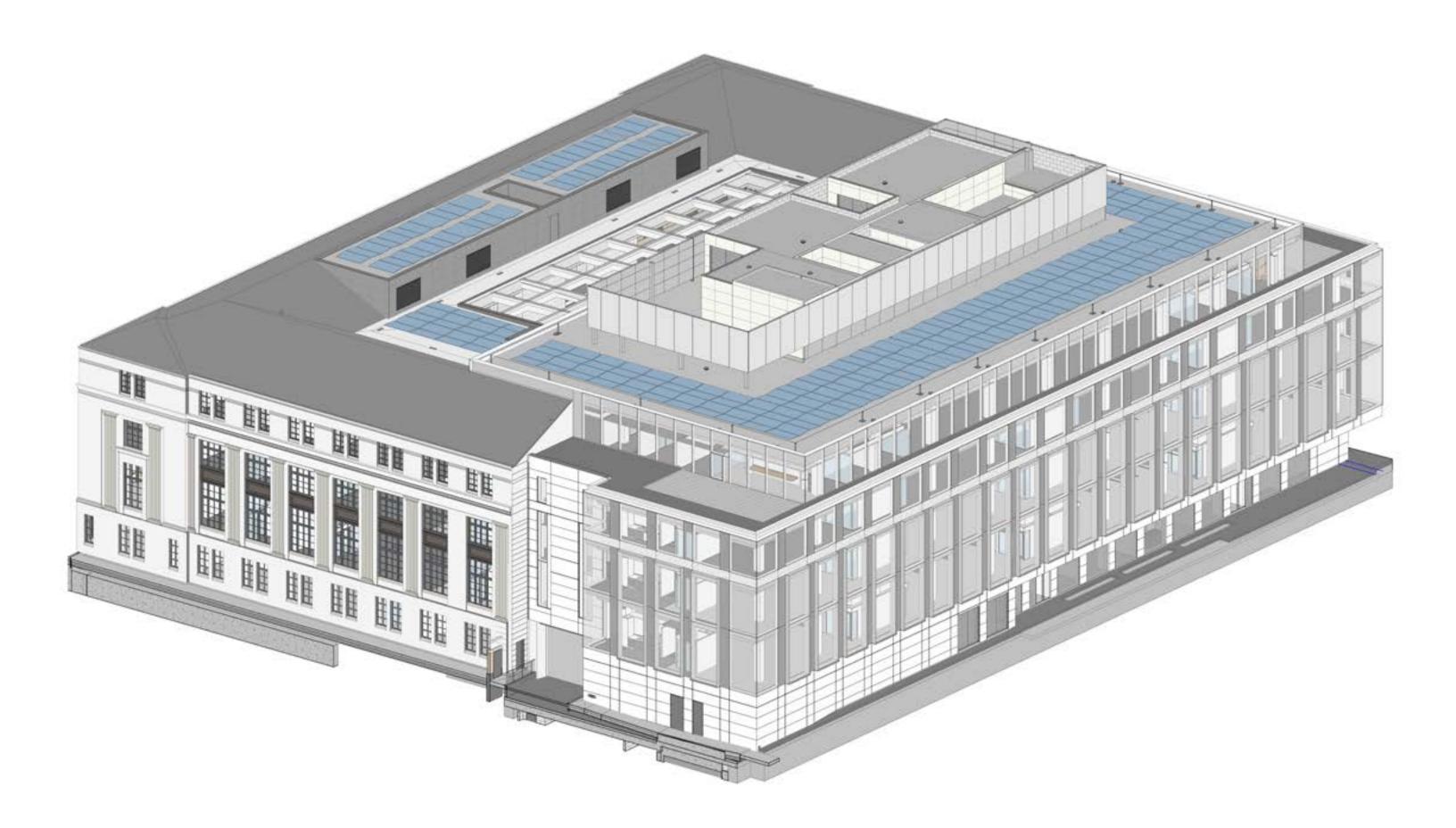
Ν Ί

## PENTHOUSE **EXPANSION**





### PENTHOUSE EXPANSION PREVIOUS DESIGN



#### PENTHOUSE EXPANSION PROPOSED DESIGN

# **SLOPED ROOF**

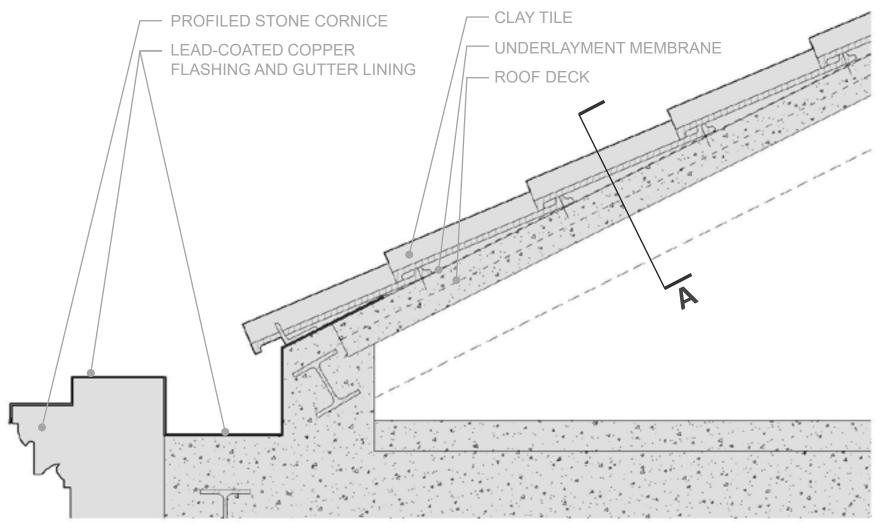




VIEW OF ORIGINAL CONSTRUCTION (PHOTOGRAPHED 1933)

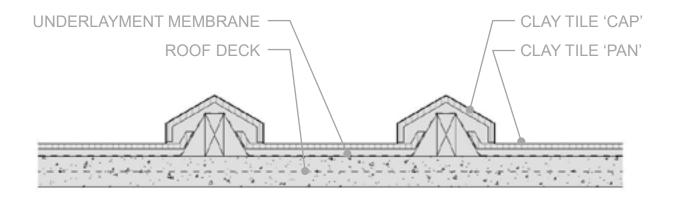
- CLAY TILE ROOF
- INTERNAL GUTTER
- EDGE-OF-ROOF CONCEALED BY STONE CORNICE

#### **SLOPED ROOF** ORIGINAL CONDITION (1931)



#### DETAIL SECTION AT ROOF EDGE

**SLOPED ROOF** ORIGINAL CONDITION (1931)



#### DETAIL SECTION 'A' – TRANSVERSE AT ROOF ASSEMBLY

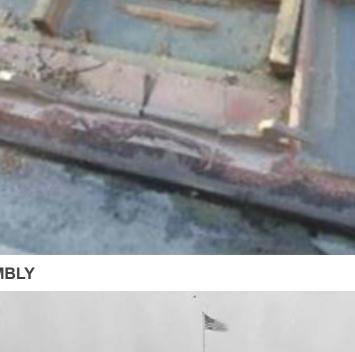


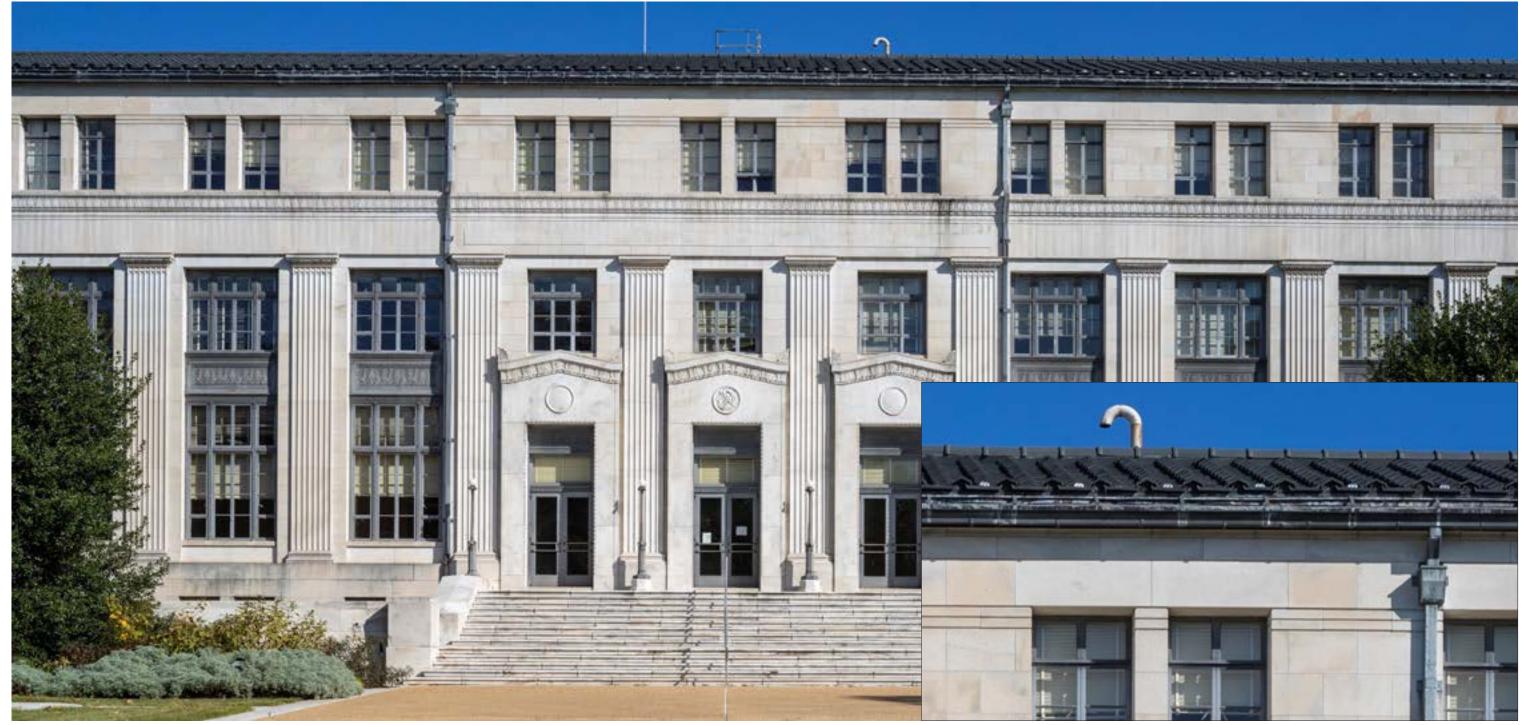


DETAIL VIEW OF ROOF ASSEMBLY



#### VIEW OF ROOF EDGE (PHOTOGRAPHED 1933)





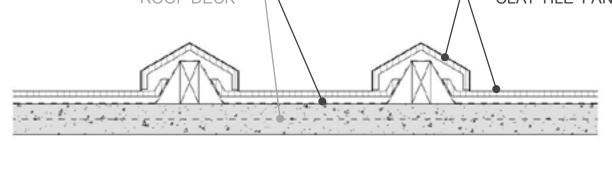
VIEW OF MODIFIED CONDITION (FOLLOWING 1970-80S RE-ROOFING)

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

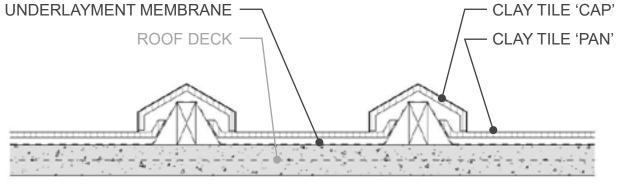
DETAIL SECTION AT ROOF EDGE



#### VIEW OF ROOF EDGE

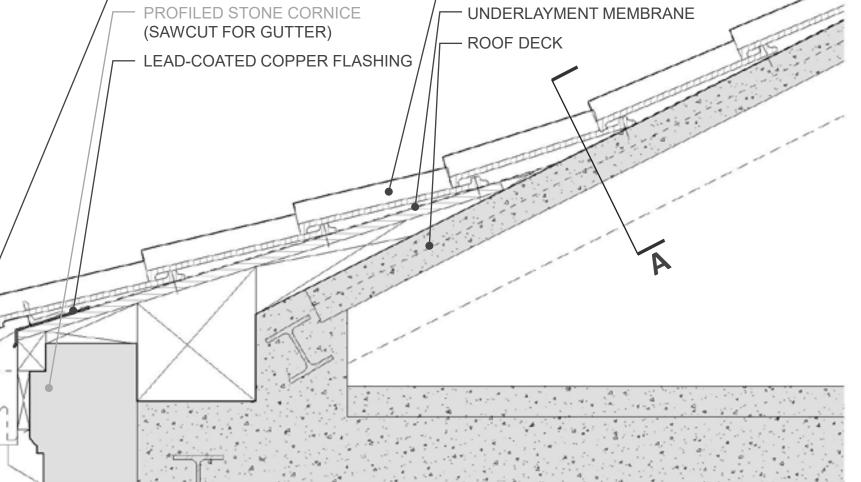


DETAIL SECTION 'A' – TRANSVERSE AT ROOF ASSEMBLY



GUTTER AND DOWNSPOUT

DETAIL VIEW OF ROOF ASSEMBLY

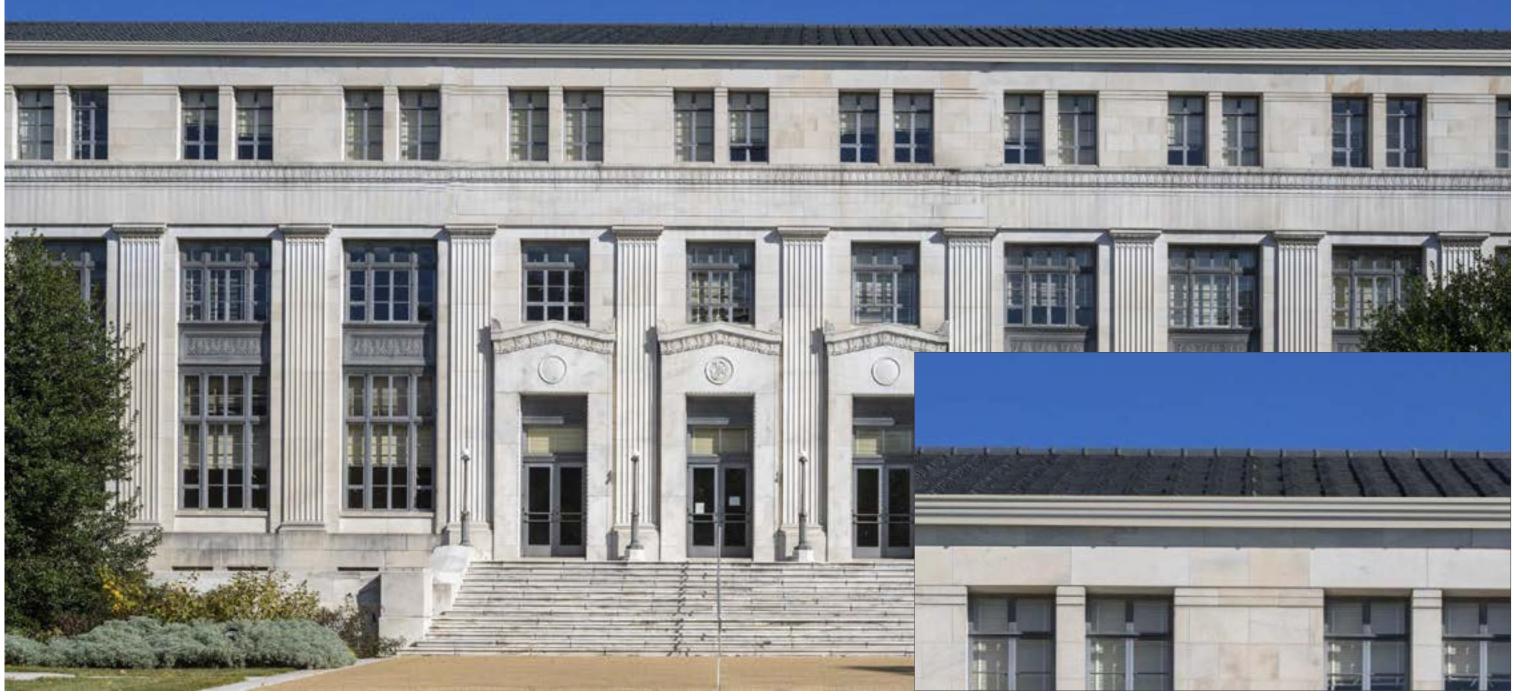


CLAY TILE



of summing land





STREET VIEW FROM SOUTH SIDE OF CONSTITUTION AVENUE

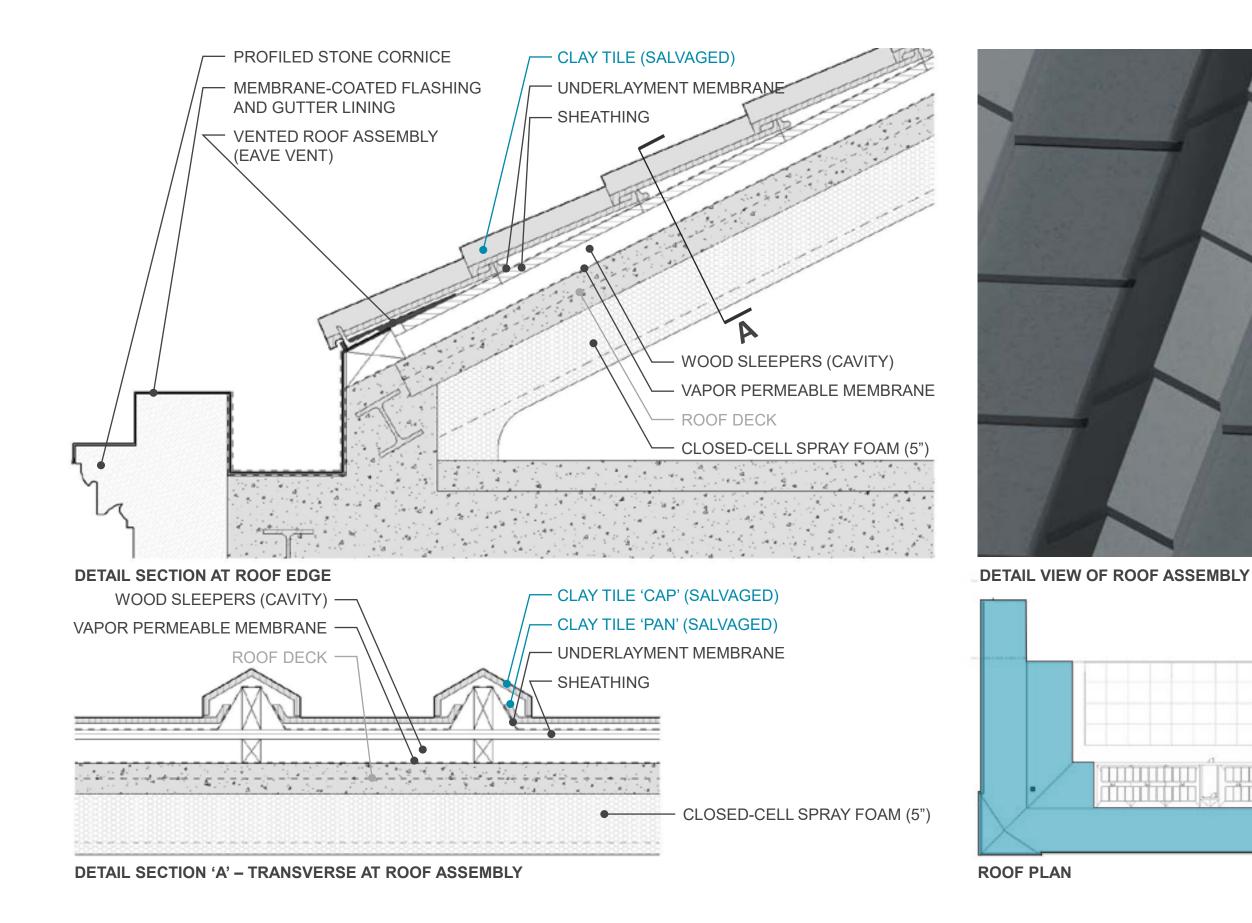
- **CLAY TILE ROOF** (SALVAGE AND REINSTALL EXISTING)
- **INTERNAL GUTTER**
- **EDGE-OF-ROOF CONCEALED BY STONE CORNICE**

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



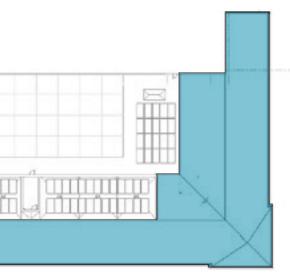


38 EUI



#### **SLOPED ROOF** OPTION A | SALVAGE AND REINSTALL EXISTING CLAY TILES

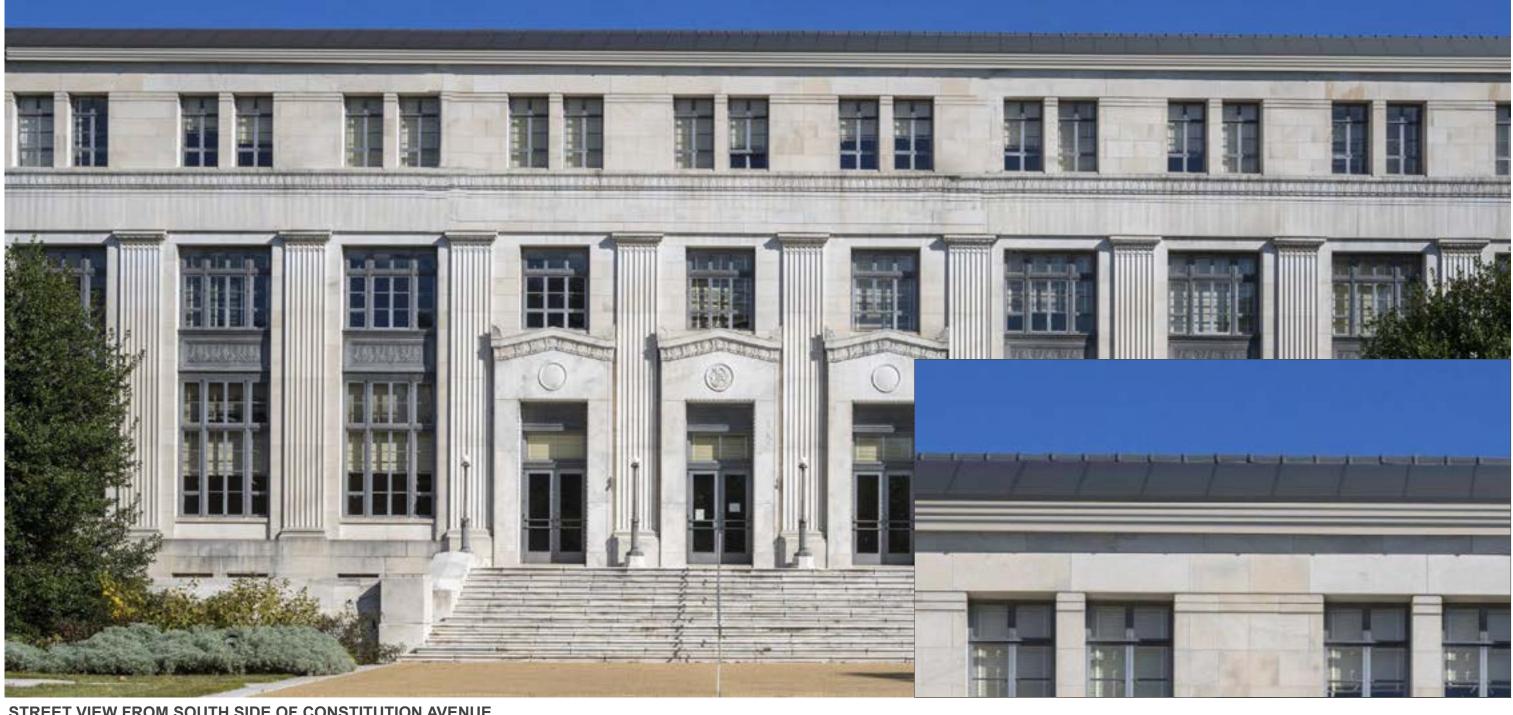




**CLAY TILE:** 17,500 SF

**SOLAR TILE: 0** SF

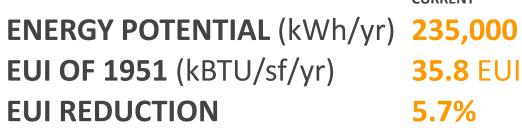
TOTAL: 17,500 SF



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)



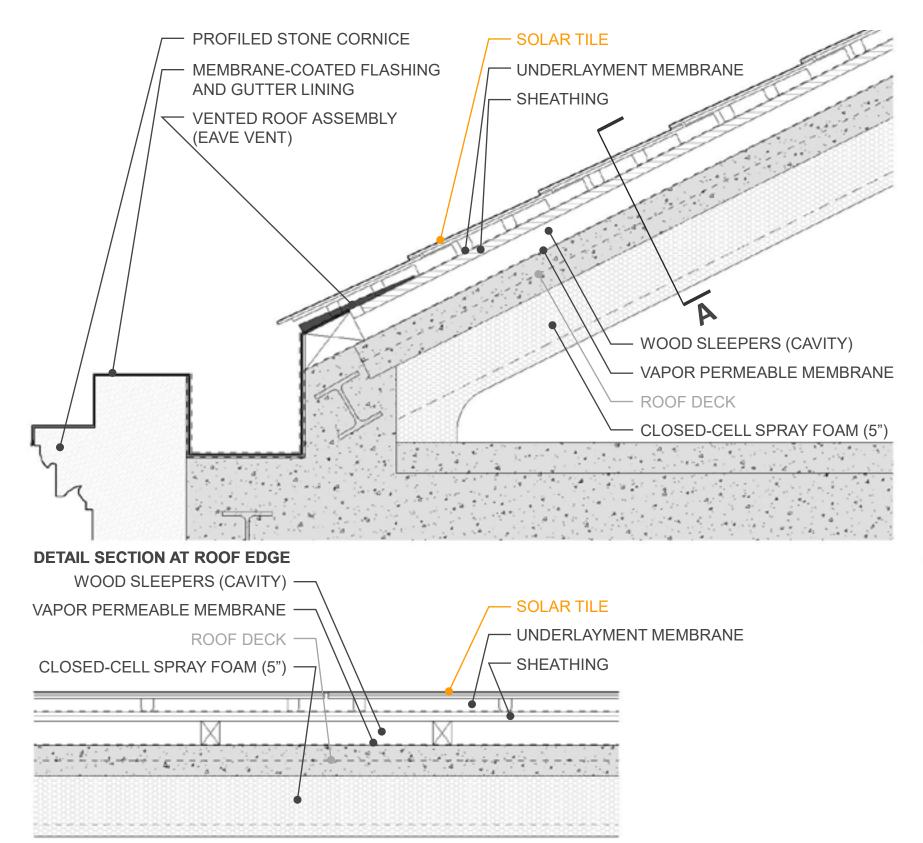
7.2%

## CURRENT 35.8 EUI 5.7%

**5-YEAR IMPROVEMENT** 

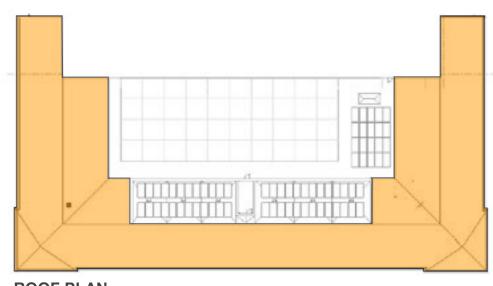
290,000

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

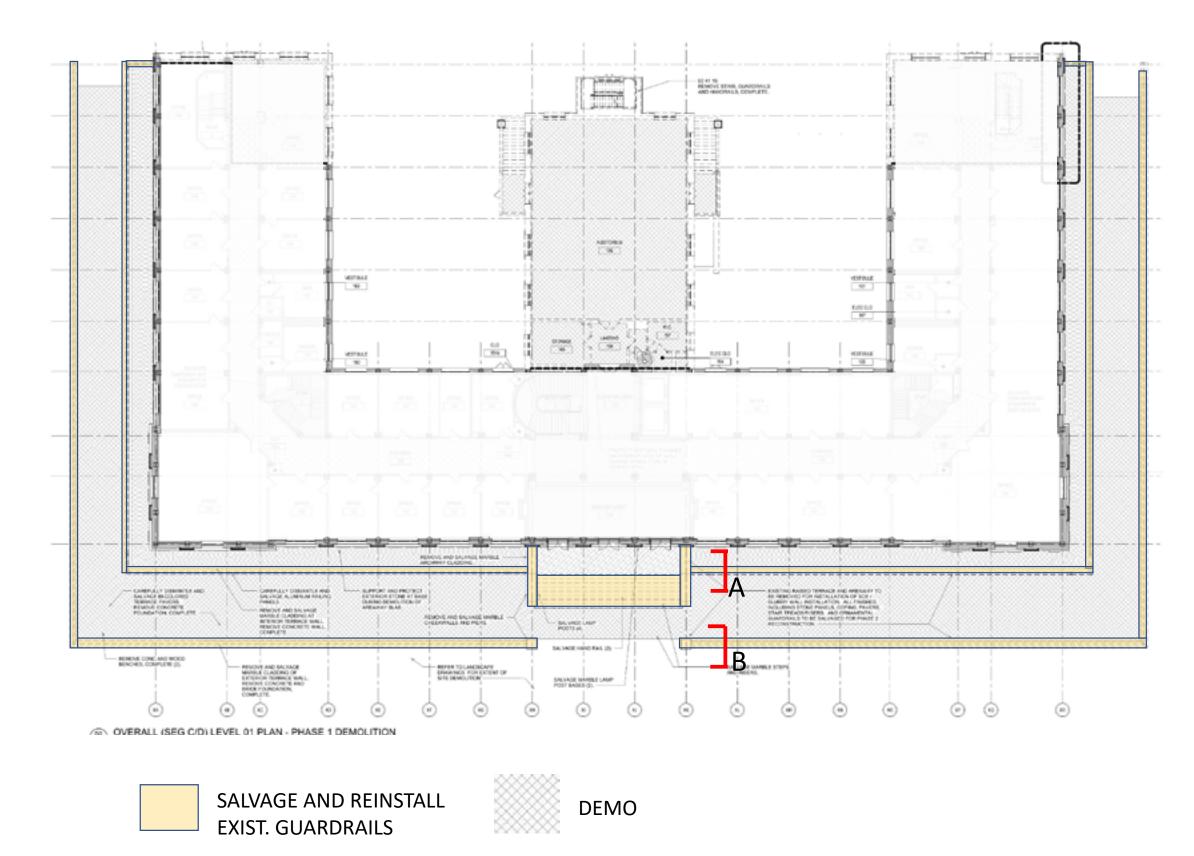


\*second values represent anticipated 25% improvement in performance in 5-years

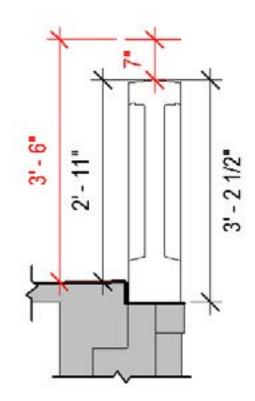


# TERRACE **GUARDRAIL MODIFICATION**

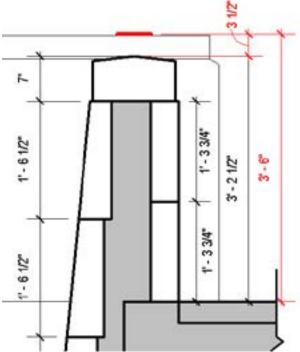




## TERRACE GUARDRAIL MODIFICATION CONTEXT

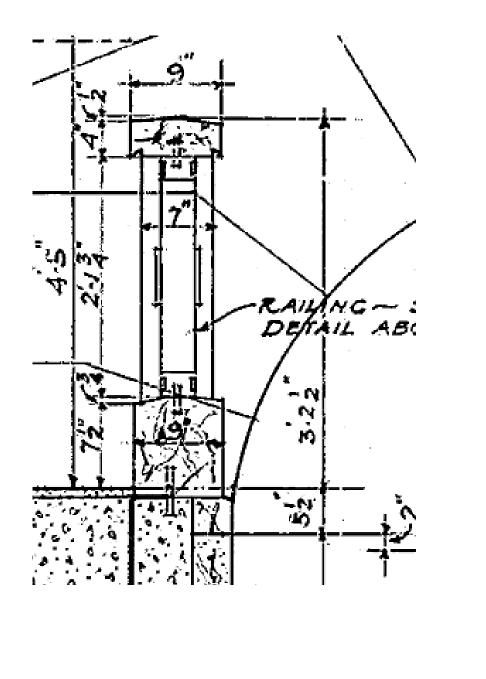


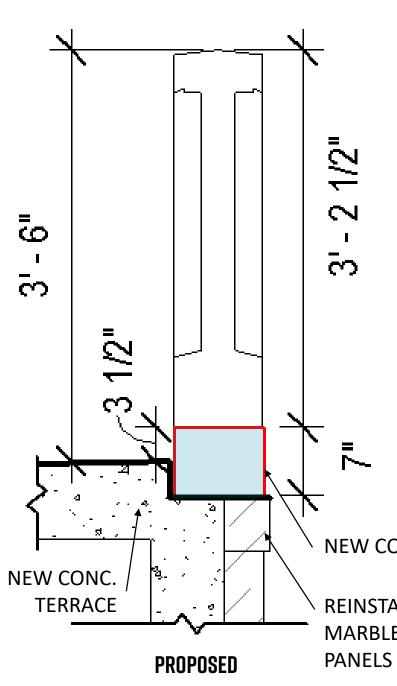
A. INNER TERRACE WALLS NOT CODE COMPLIANT



## B. OUTER TERRACE WALLS NOT CODE COMPLIANT

Ν





**HISTORIC DRAWINGS** 

## **TERRACE GUARDRAIL MODIFICATION** INNER TERRACE WALL | DETAILS

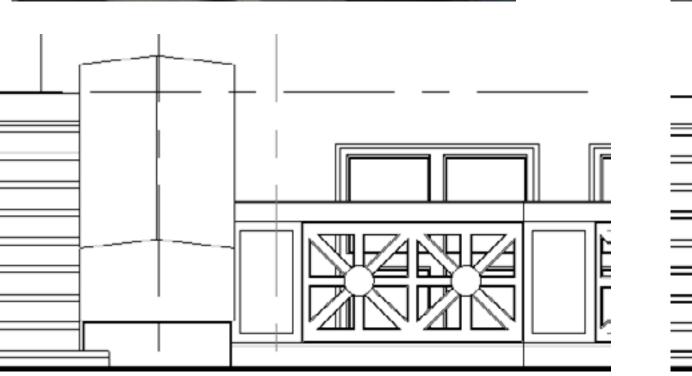
NEW CONC. FILL

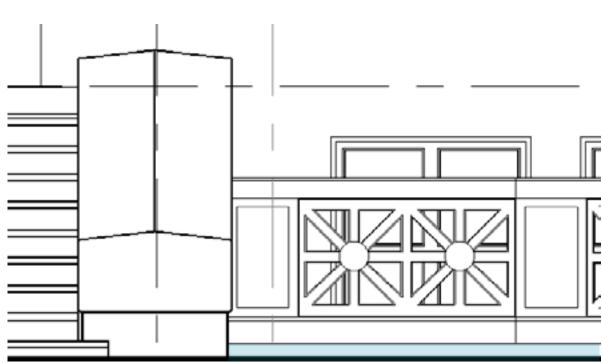
REINSTALL MARBLE



## **TERRACE GUARDRAIL MODIFICATION** INNER TERRACE WALL | ELEVATIONS





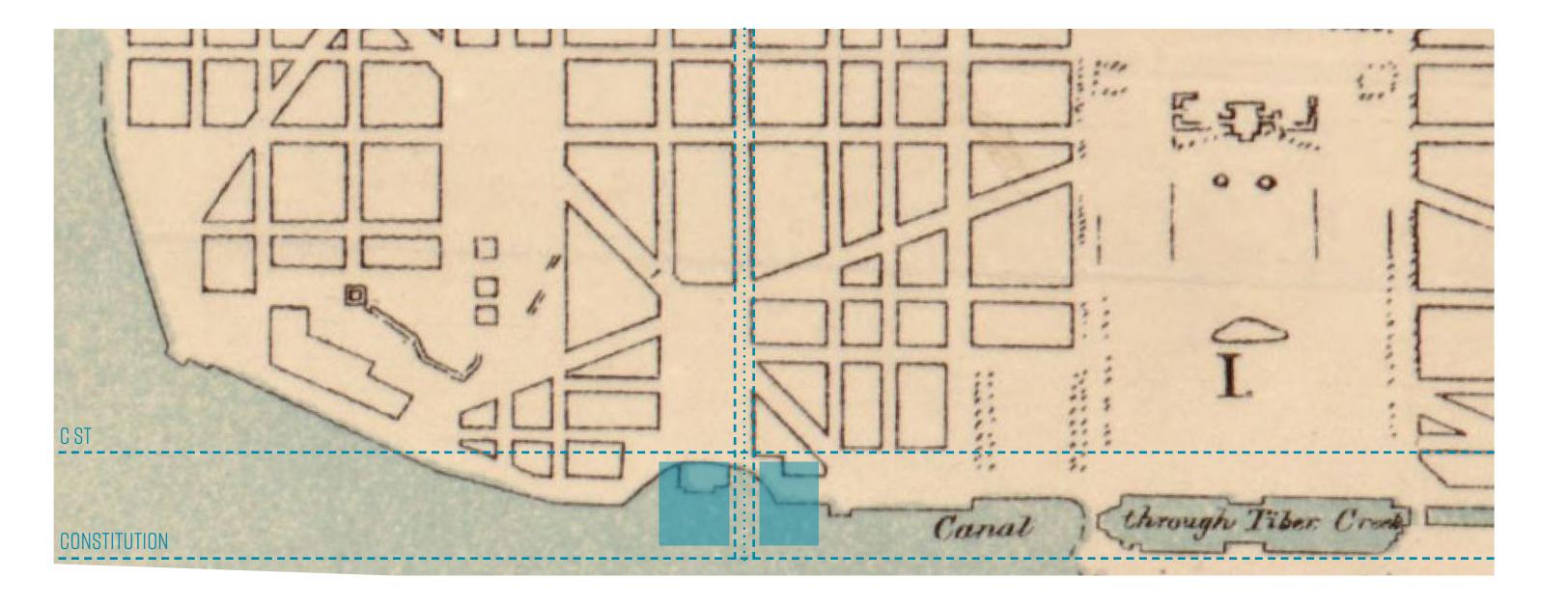




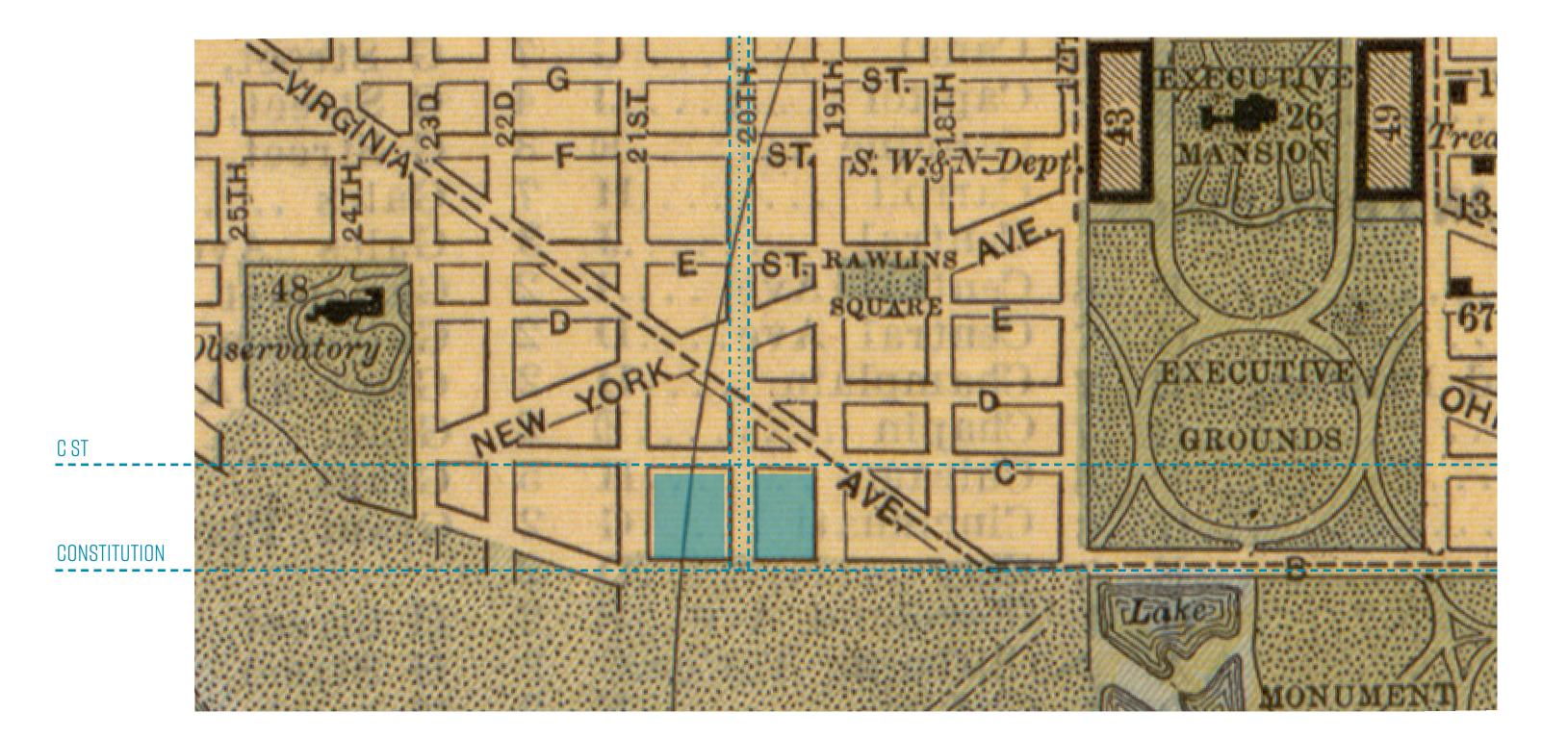


PROPOSED

# 20<sup>TH</sup> STREET IMPROVEMENTS

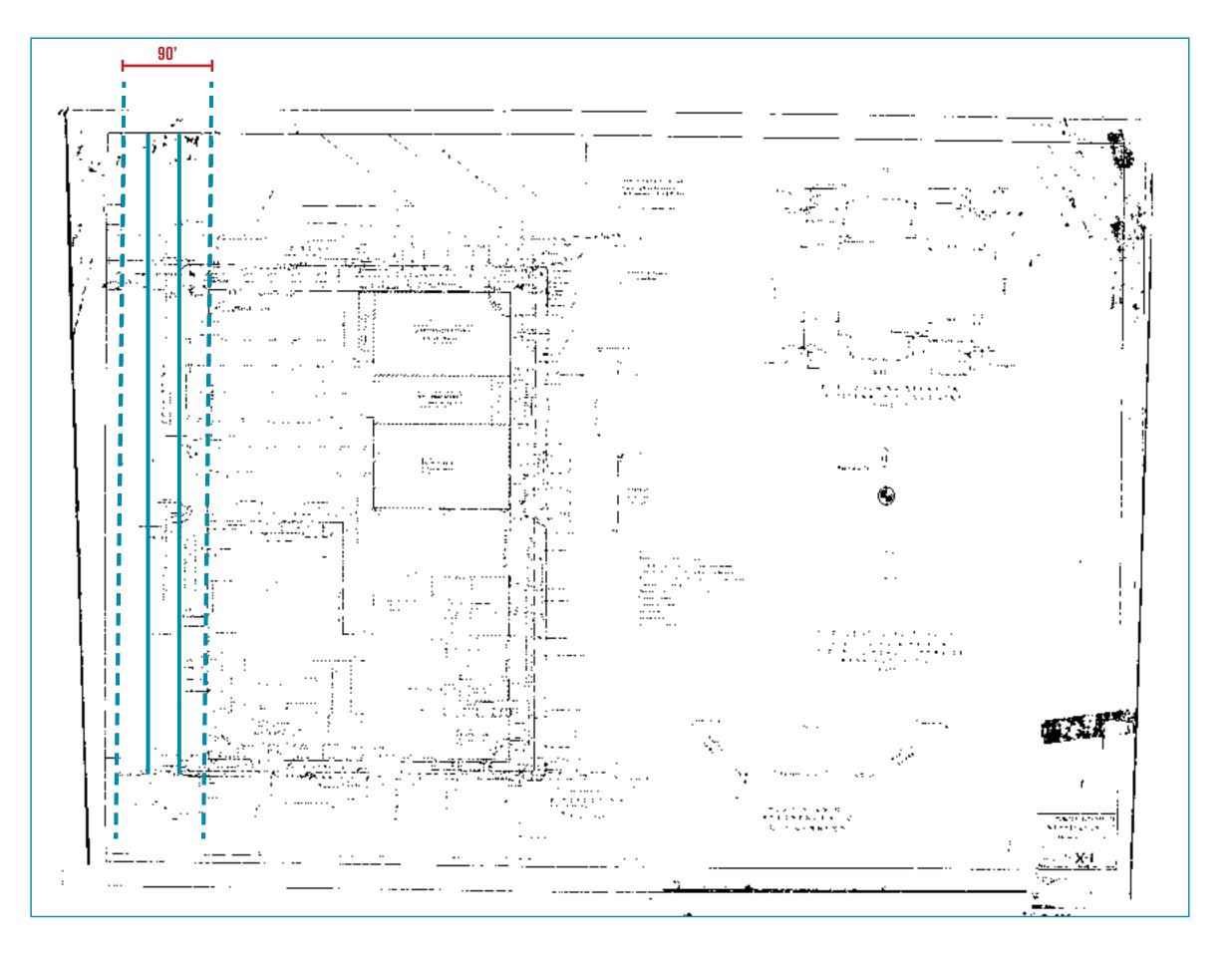


## **20TH STREET IMPROVEMENTS** L'ENFANT 1887 PLAN



## **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.

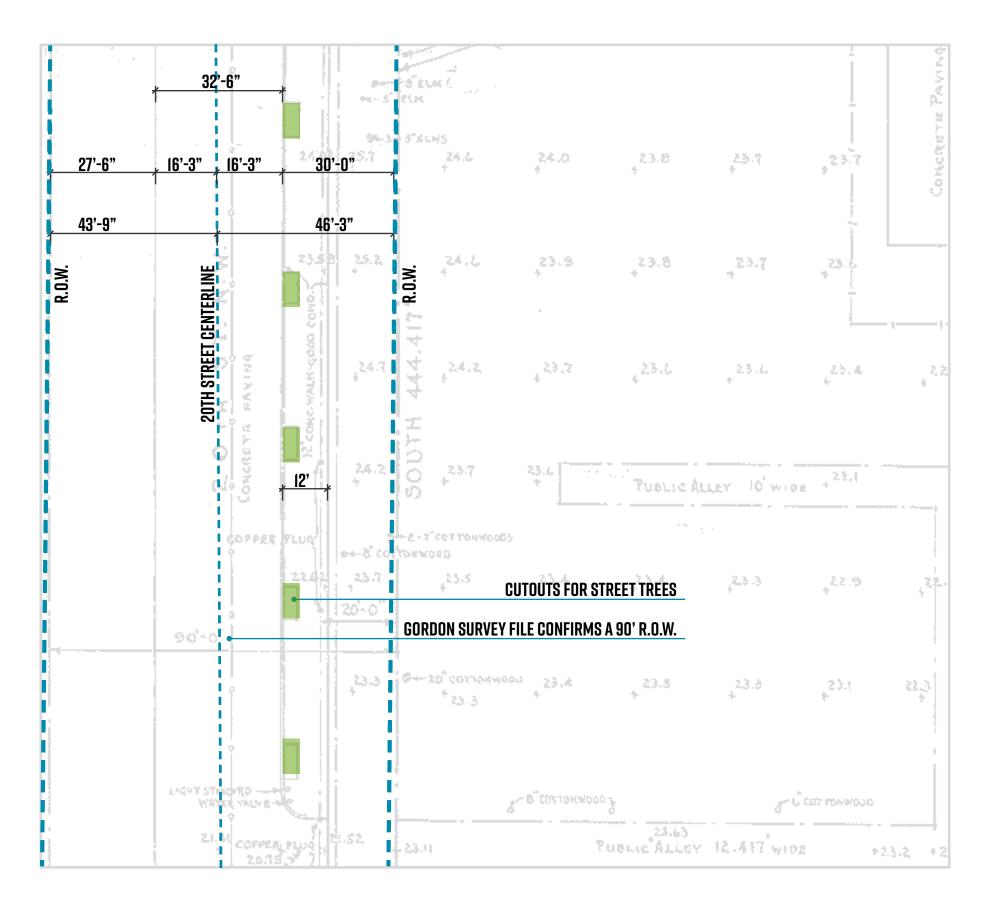
THERE WAS A 12' WIDE SIDEWALK ALONG THE CURB WITH CUTOUTS FOR STREET TREES ON THE EAST SIDE OF 20TH STREET.

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

.

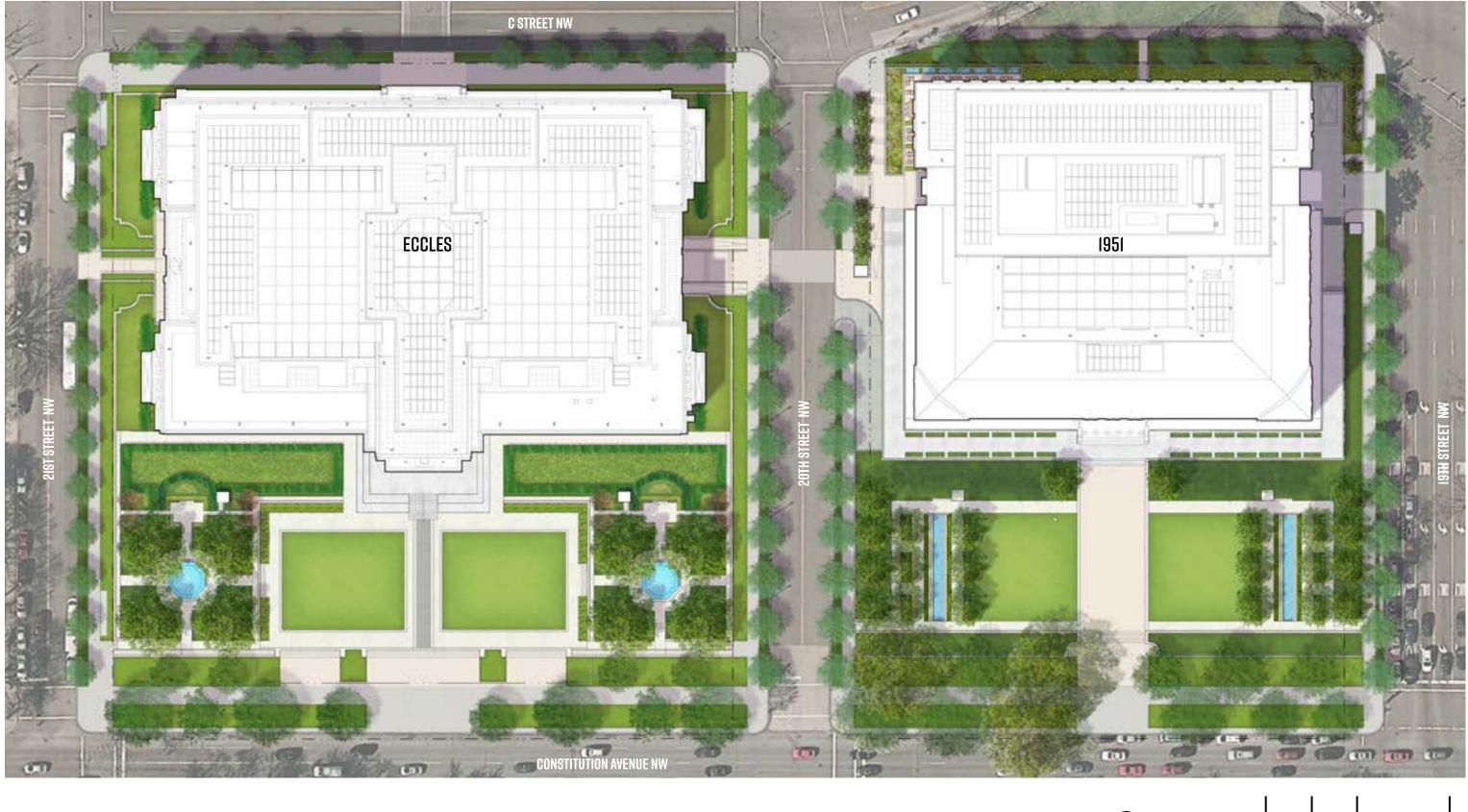
## **CREATE A BETTER PEDESTRIAN EXPERIENCE WITH MORE LANDSCAPING AND LESS IMPERVIOUS SURFACE**

## 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 .

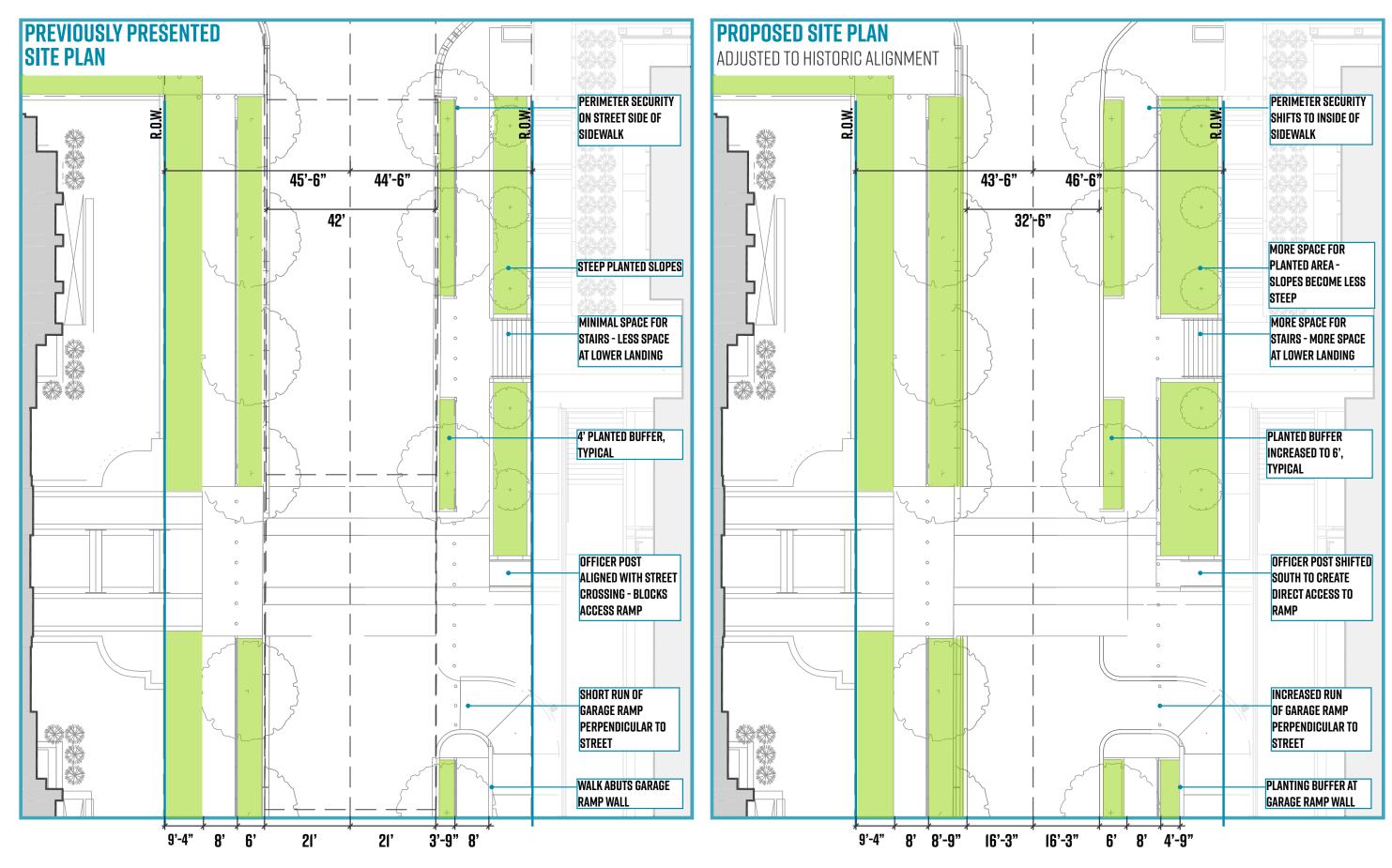
## **STRATEGIES**

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



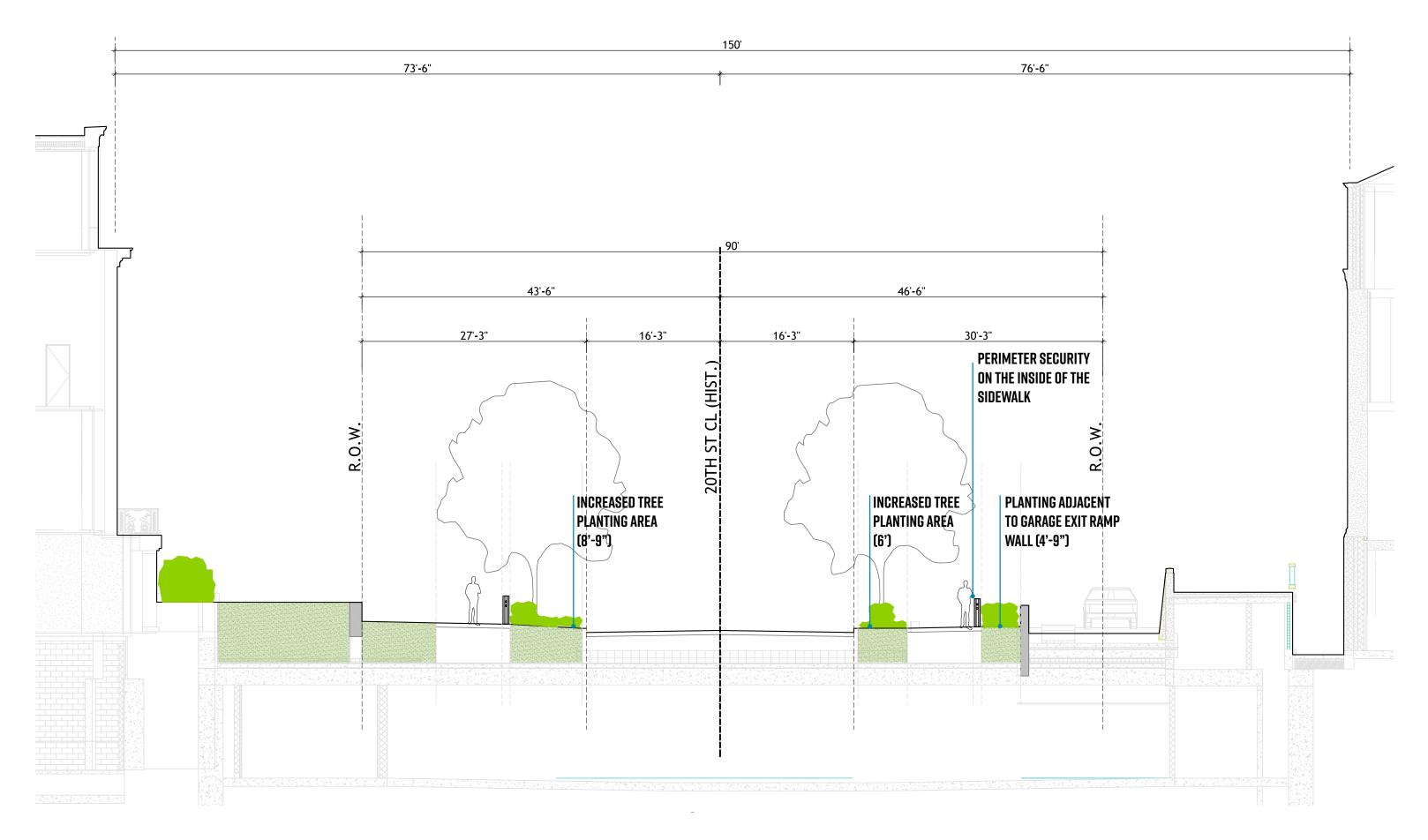
## **20TH STREET IMPROVEMENTS** PREVIOUSLY PRESENTED SITE PLAN

### 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



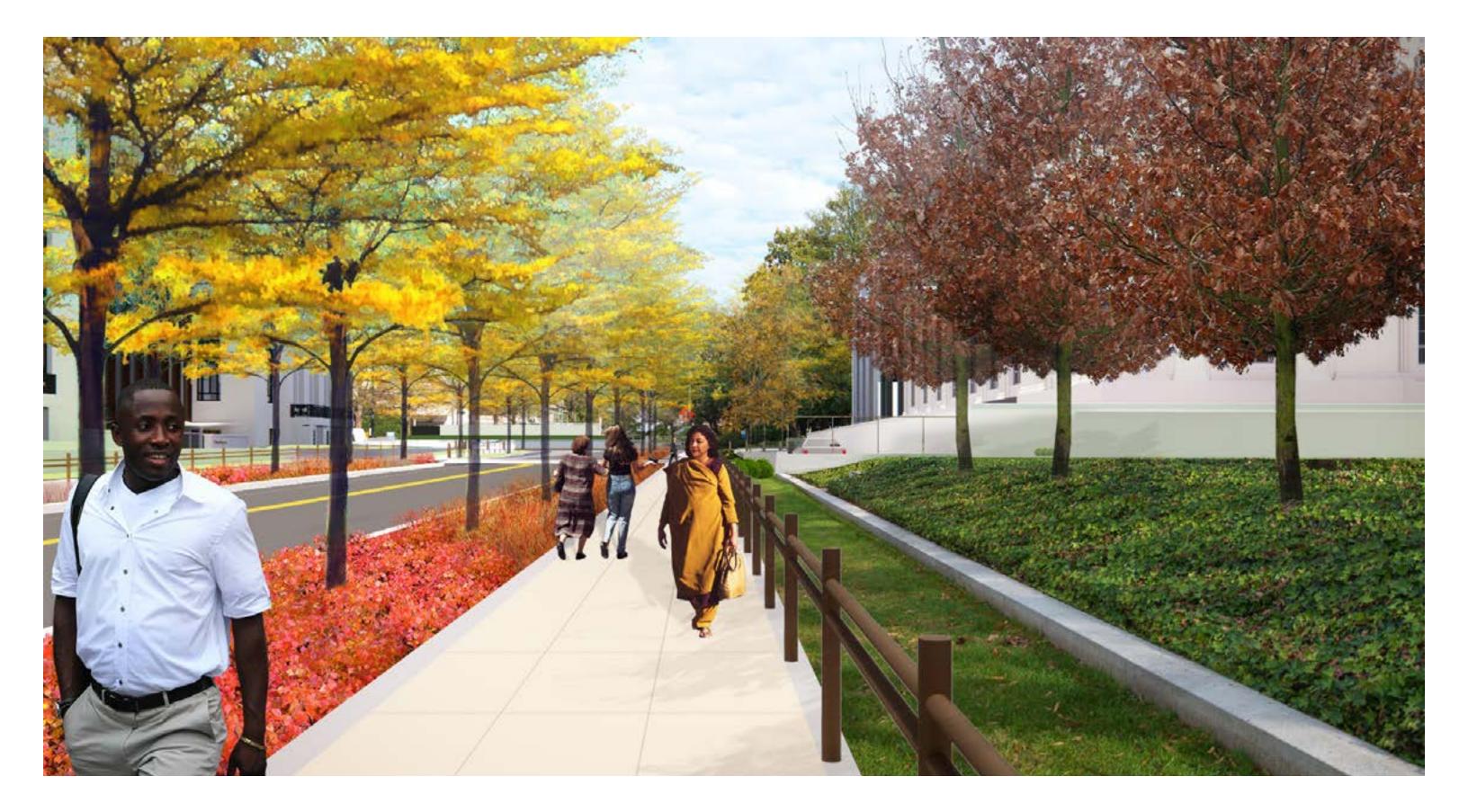
## **20TH STREET IMPROVEMENTS** PREVIOUSLY PRESENTED CONDITION



## **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





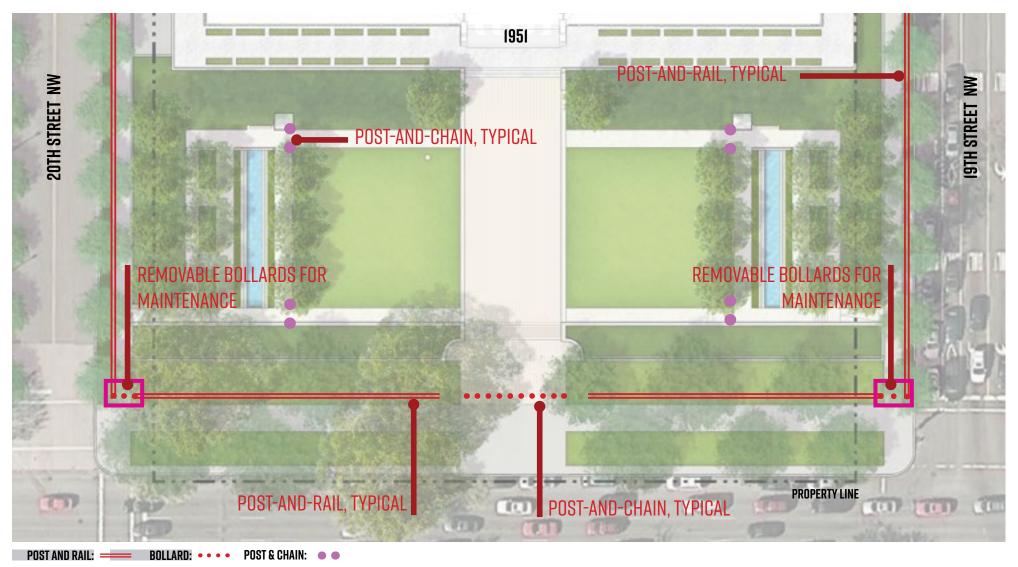


## **PERIMETER SECURITY** PROPOSED BOLLARD & POST AND RAIL SYSTEM (BACK OF EXISTING CURB) | CONSTITUTION AVENUE SECTION



**PERIMETER SECURITY** PROPOSED BOLLARD & POST AND RAIL SYSTEM | PERSPECTIVES







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

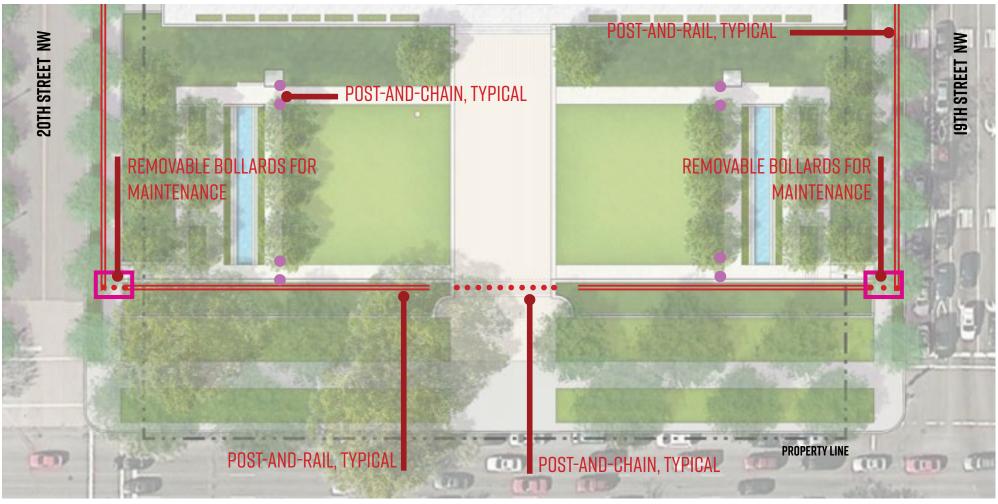






**PERIMETER SECURITY** SOUTH PERIMETER SECURITY | ALTERNATE I - BACK OF CONSTITUTION AVENUE SIDEWALK





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



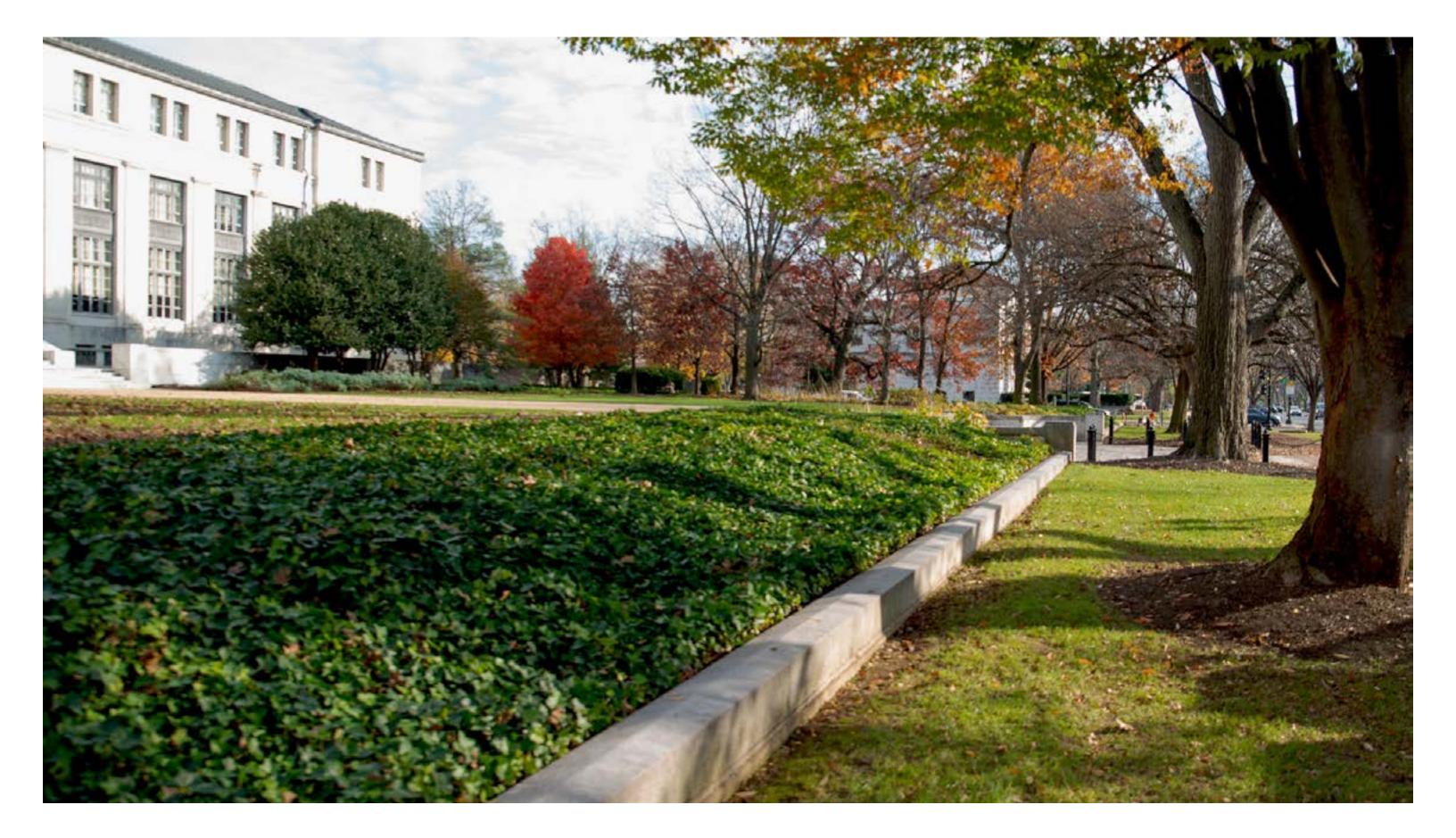
## **PERIMETER SECURITY** SOUTH PERIMETER SECURITY | ALTERNATE 2 - TOP OF PLANTED SLOPE



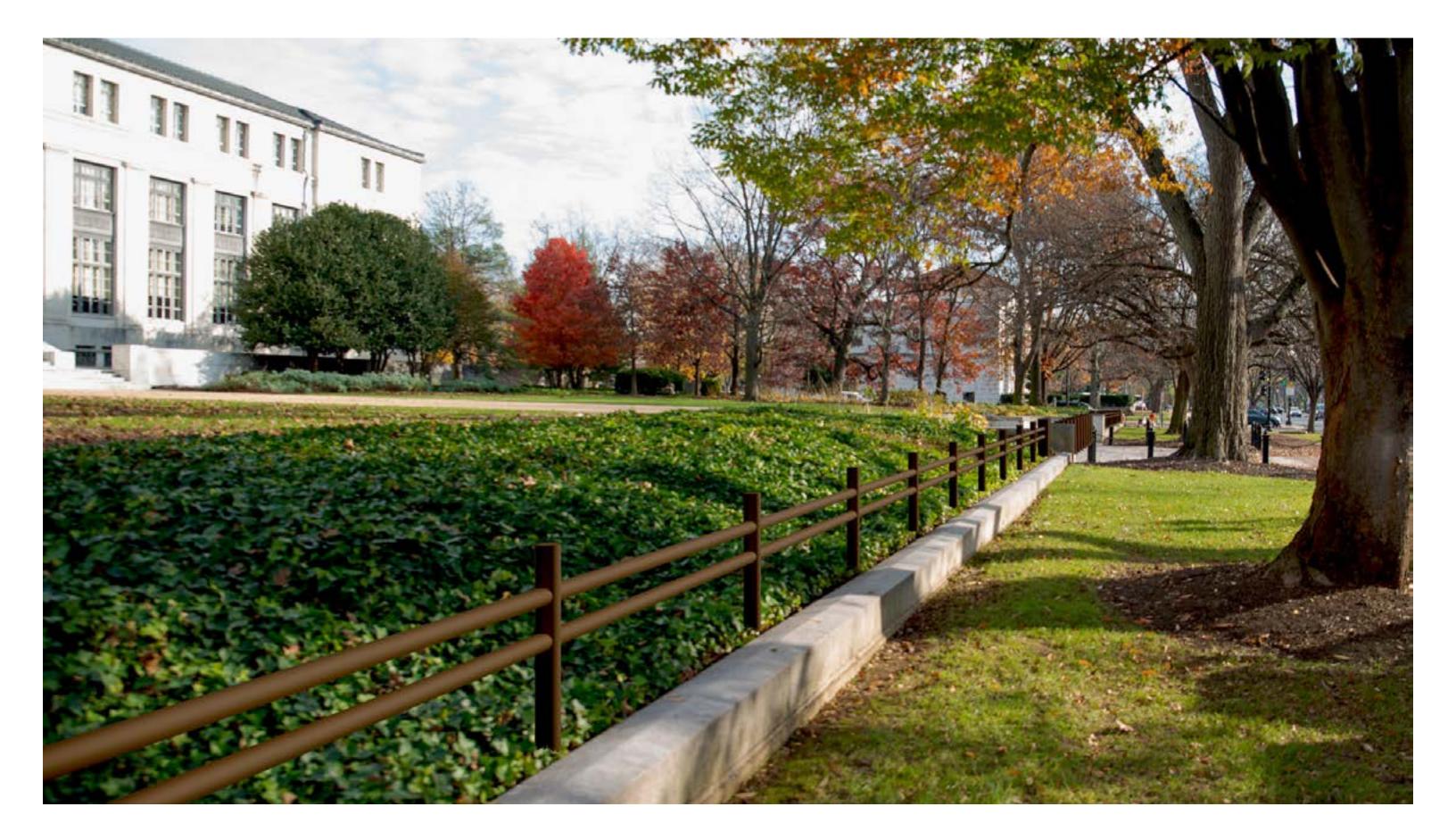


## **PERIMETER SECURITY** SOUTH PERIMETER SECURITY | ALTERNATE 2 - TOP OF PLANTED SLOPE

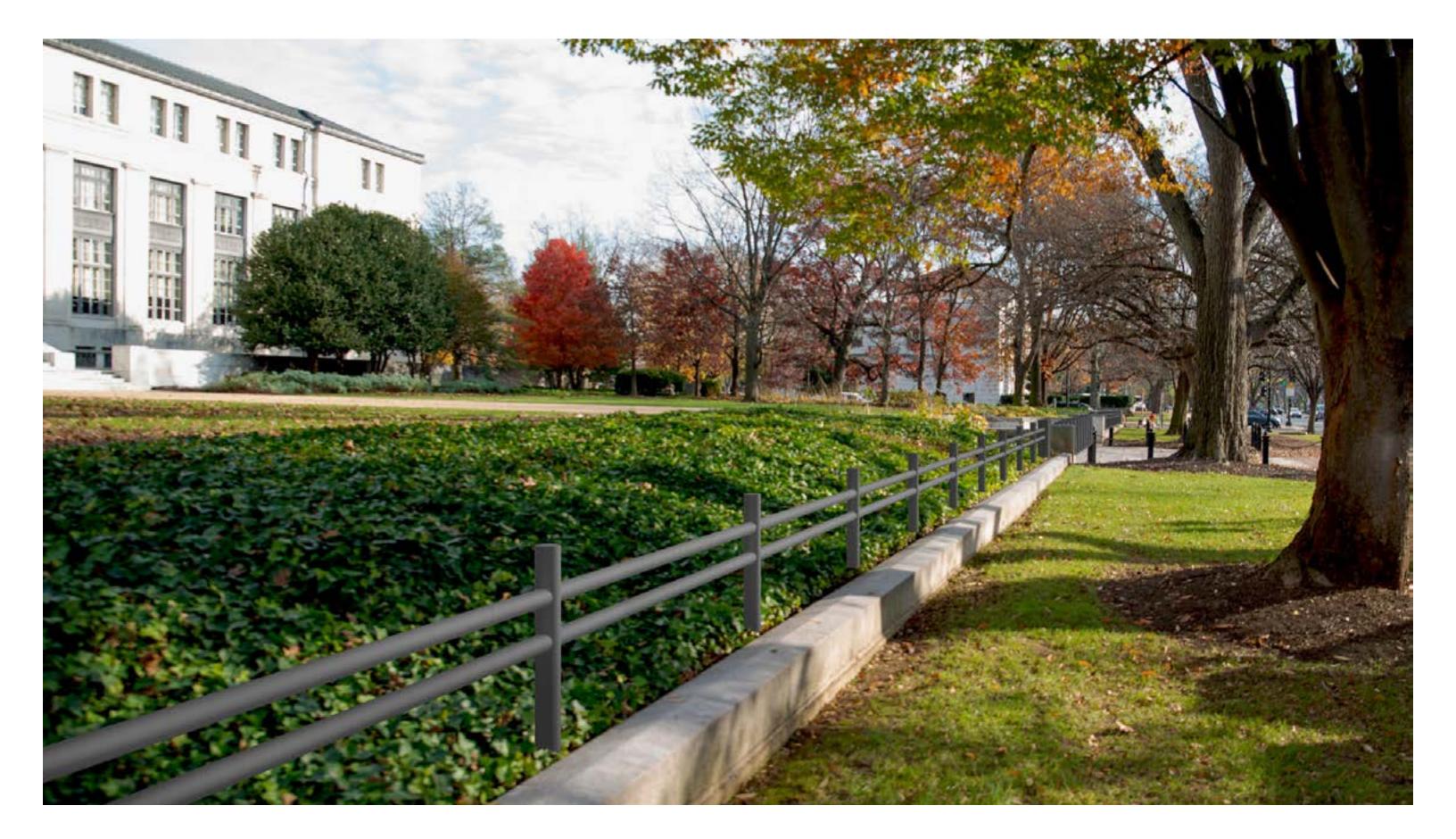
ECCLES / FRB-EAST | SECTION IO6 COMPLIANCE



## **PERIMETER SECURITY** MATERIAL STUDY | EXISTING CONDITIONS



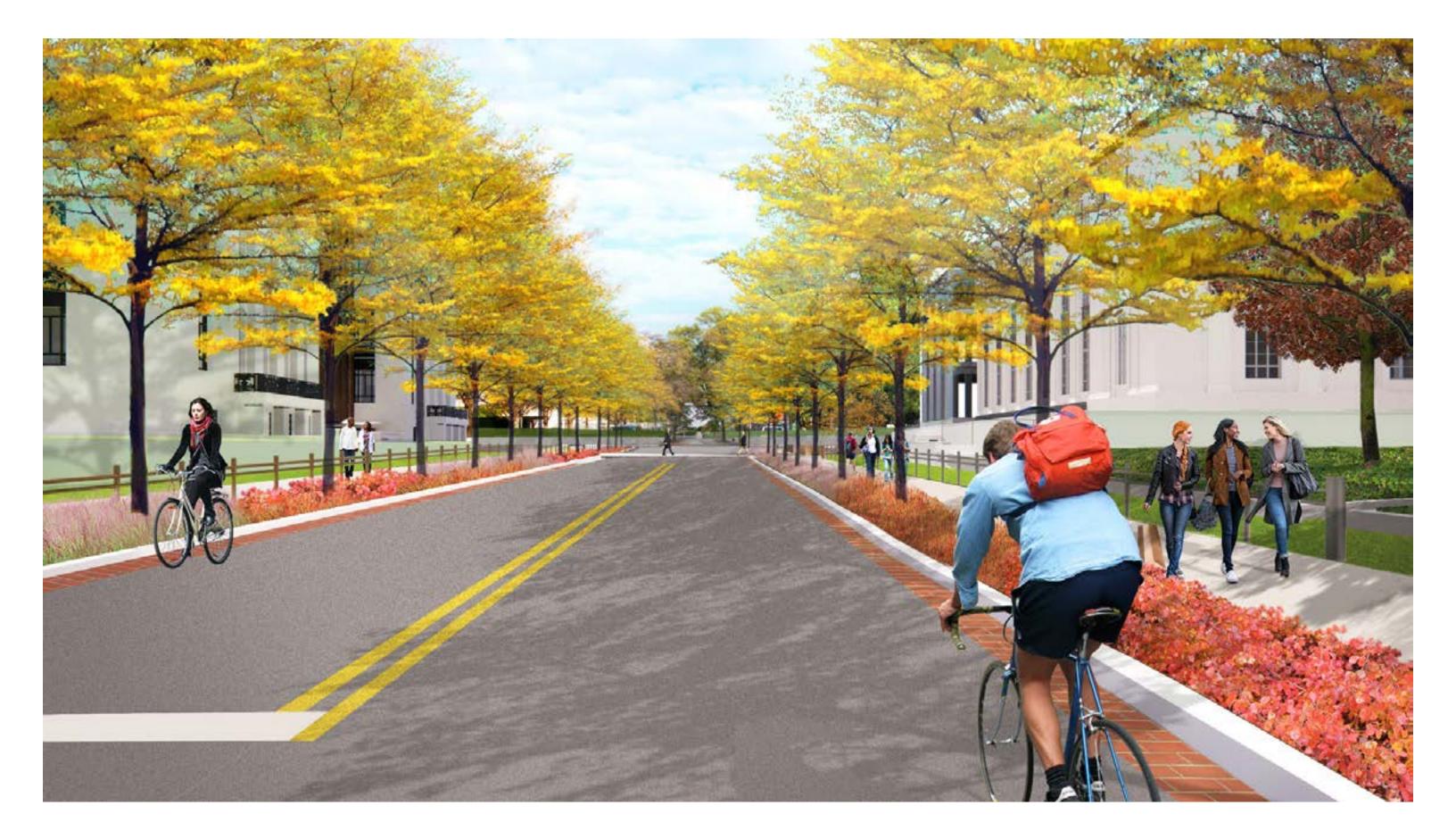
#### **PERIMETER SECURITY** MATERIAL STUDY | PROPOSED CONDITION (BRONZE)



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



#### **PERIMETER SECURITY** MATERIAL STUDY | PROPOSED CONDITION (BRONZE)



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



### **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**

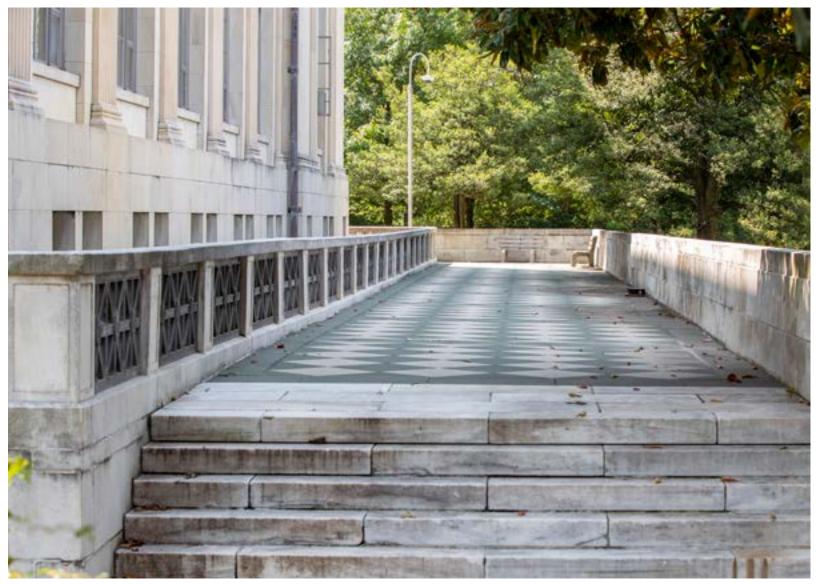
## ber 2019

## 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** 

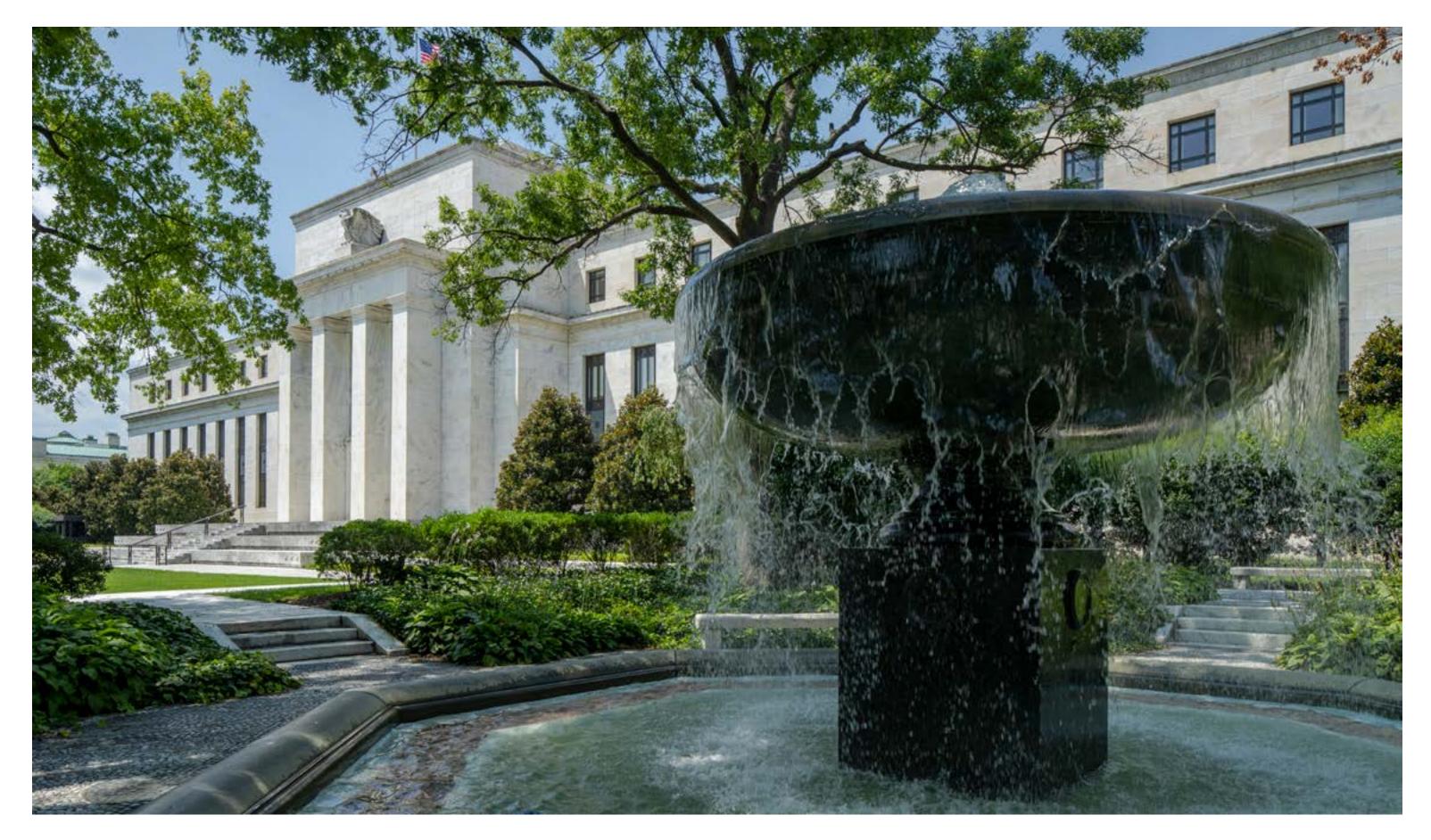
Comments and questions can be addressed to:

FRB-Renovation@frb.gov

FEDERAL RESERVE BOARD-EAST BUILDING TERRACE

#### **HOW TO COMMENT**

# **QUESTIONS AND COMMENTS:**



#### **QUESTIONS AND COMMENTS**