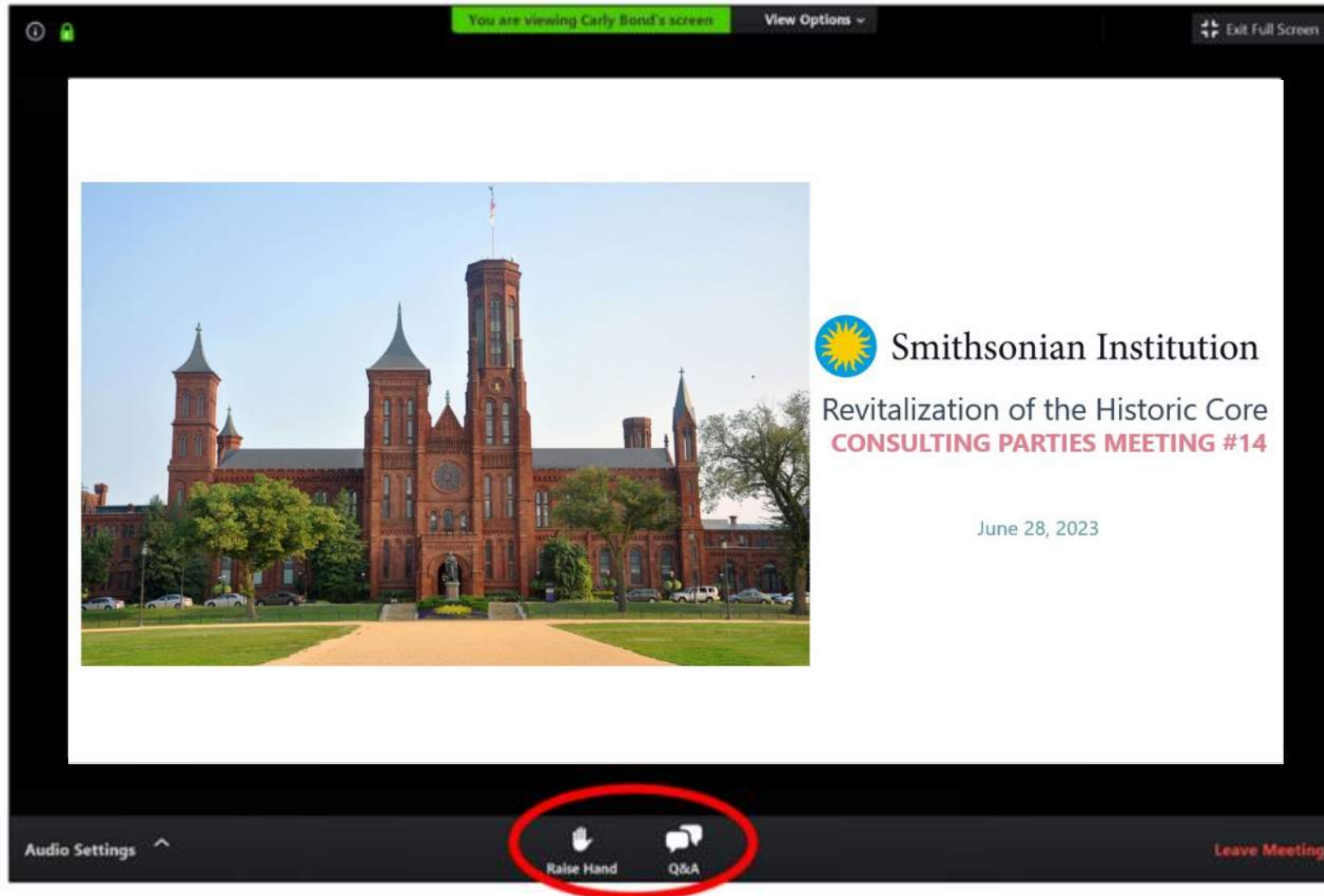


# Welcome!

The meeting will begin momentarily.



The image shows a Zoom webinar interface. At the top, there is a status bar with a lock icon, a green notification "You are viewing Carly Bond's screen", "View Options", and "Exit Full Screen". The main content area displays a slide with a photograph of the Smithsonian Institution building on the left. To the right of the photo, the text reads: "Smithsonian Institution" with the logo, "Revitalization of the Historic Core", "CONSULTING PARTIES MEETING #14", and "June 28, 2023". At the bottom of the interface, there is a control bar with "Audio Settings", "Raise Hand" (circled in red), "Q&A" (circled in red), and "Leave Meeting".

## How to Use Zoom Webinar:

- Zoom webinar will not permit access to your camera.
- Please submit comments/questions in writing through the Q&A function.
- Written comments/questions can be submitted at any time and will be answered or discussed at designated points during the meeting by the panelists.
- Click "Raise Hand" if you would like to speak your comments/questions at designated points with the panelists. A moderator will grant access to your device's microphone.



Smithsonian Institution

Revitalization of the Historic Core  
**CONSULTING PARTIES MEETING #14**

June 28, 2023

# PANEL OF SPEAKERS

## MODERATOR

**Carly Bond**, Historic Preservation Specialist

## PRESENTERS / PANELISTS

**Christopher Lethbridge**, Architect/Program Manager

**Lauren Brandes**, RLA, ASLA, Smithsonian Gardens

**Matthew Chalifoux**, FAIA, Sr. Historic Preservation Architect, EYP-Loring, LLC

**Anthony Bochicchio**, AIA, Project Manager, EYP-Loring, LLC

**Matthew Traucht**, Associate, RHI (Rhodeside and Harwell)

**Phuong Nguyen**, SEG, AIGA, Lead Experiential Graphic Designer, EYP-Loring, LLC

**David Ghatan**, FIALD, CLD, MIES, President, CM Kling + Associates



# AGENDA

- **Updates**
- **Review Phase 2 Items**
  - **Planting Plan**
  - **Perimeter Security- Jefferson Drive**
    - **All hardened elements**
  - **North Ramps/ Sloped Sidewalks**
  - **Exterior Signage**
    - **Appearance only, not content**
  - **Areaway Finishes**
    - **Includes final layouts/dimensions**
  - **Exterior Lighting**
    - **Jefferson Drive Olmsted fixtures**
    - **Building lighting including location of fixtures**
  - **Resolution of Pending Items**
    - **SW Areaway, North Tower Penthouses, South Entry Plan, Roof Dimensional Changes**
- **Next Steps**

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# RoHC Revitalize Castle – Status of Design Review Items

RoHC Revitalize the Castle- Phase 2 Section 106 Consultation Design Issues				
Topic	Key Design Issues	Status	Proposed Effect Determination	CP Meeting
<b>SITE AND LANDSCAPE</b>				
New Landscape Planting Plan	Planting Plan Paving Systems	Reviewed and accepted	No Adverse Effect	CP 11
Perimeter Security	Overall layout Bollards Hardened furnishings and signs	Reviewed and accepted		CP7, CP8
Site Lighting	Jefferson Drive- Olmsted Fixtures Layout	Options reviewed		CP4
Seismic Control Joint - Finishes	Metal Finish Infill- Stone, Concrete, Pavers	Options reviewed Options reviewed - Olympic Black selected	Adverse Effect	CP8 CP8, CP12
South Entrance	Plan Layout Materials Kick Rail	Options reviewed- preferences provided Reviewed and accepted Reviewed and accepted	Adverse Effect Adverse Effect	CP11, CP13 CP11, CP13 CP11, CP13
North Entrance	Plan Layout Materials Railings	Reviewed and accepted Preliminary presentation Preliminary presentation	Adverse Effect	CP7, CP8 CP11
<b>ROOF AREA</b>				
South Tower Elevators- Exterior	Overrun penthouses	Reviewed and accepted	Adverse Effect	CP10
South Tower Elevators- Interior Effects	Narrowing of the center corridor North wall of Children's Room Elevator doors and devices Mosaic Tile Floor at Regents' Room Entry	Preliminary presentation Preliminary presentation Reviewed - preferences provided Preliminary presentation	Adverse Effect	CP11 CP11 CP11 CP11
Replacement of Roof Materials	Slate- match for existing (historic?)	Preliminary presentation		CP12
Roof Modifications- Energy Improvements	Dimensional changes at edges due to roof	Preliminary presentation		CP13
Rooftop Mechanical Penthouses	Location and sizes Visibility	All presented- north penthouses not resolved All presented- north penthouses not resolved	Adverse Effect	CP10, CP11, CP12 CP10, CP11, CP12
East Wing 4th Floor Egress	Guardrail Changes to existing windows (East and West)	Reviewed and accepted Reviewed and accepted	Adverse Effect Adverse Effect	CP13
Lightning Protection	Layout Device details	Reviewed and accepted Reviewed and accepted	No Adverse Effect	CP10, CP11 CP10
Fall Protection	Layout Device details	Preliminary presentation		CP13

# RoHC Revitalize Castle – Status of Design Review Items

RoHC Revitalize the Castle- Phase 2 Section 106 Consultation Design Issues				
Topic	Key Design Issues	Status	Proposed Effect Determination	CP Meeting
<b>EXTERIOR WALLS</b>				
Replacement and Restoration of Windows	Replacement- visual appearance, details Restoration- interior safety panels- details			
Replacement of Windows- Interior Effects	Impacts to interior historic finishes (plaster)			
Exterior Masonry Restoration	<b>Replacement material - St. Bees Sandstone</b>	<b>Reviewed and accepted</b>	<b>No Adverse Effect</b>	<b>CP10</b>
New Basement Windows	Location and size Window style Effect on exterior sandstone	Preliminary presentation		CP4
Basement Egress Doors	Location and size Door style Effect on exterior sandstone	Preliminary presentation		CP4
Basement Level Interior Alterations (Effects)	Impacts to interior historic finishes			
Exterior Lighting (Building)	Visual effect Location of light sources			
<b>AREAWAYS AND WINDOW WELLS</b>				
Areaways and Window Wells- Finishes	Below Seneca sandstone Flooring and seismic joint Concrete retaining wall Stairs			CP14
Emergency Generator	<b>Visibility</b>	<b>Reviewed and accepted</b>	<b>Adverse Effect</b>	<b>CP10</b>

# RoHC Revitalize Castle – Status of Design Review Items

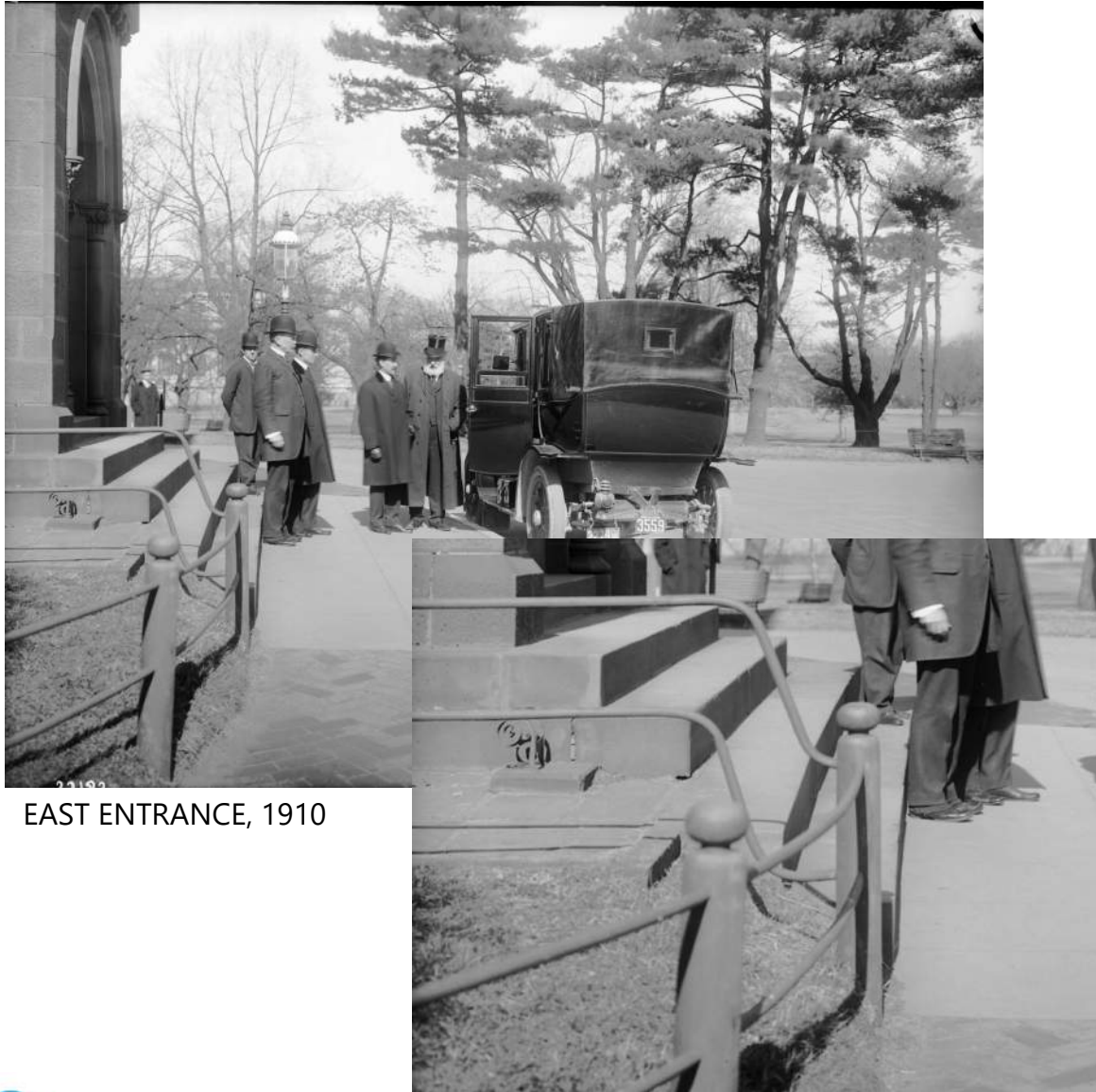
- Assessment of Effects Report updated as we move through consultation and reach consensus on design actions
- Updated AOE sections will be appended to the Meeting Minutes after each Consulting Parties Meeting and posted to the project webpage.

## Assessment of Effects on Historic Resources Report - Updates

Feature/Action	Summary	Proposed Effect Determination
South Tower Elevator – Interior Effects	<ul style="list-style-type: none"> <li>• Narrowing the center corridor adversely effects historic fabric and interiors</li> <li>• New openings in the Children's Room, Great Hall, and third floor for elevator access</li> <li>• Third floor mosaics altered</li> </ul>	Adverse Effect
Installation of Rooftop Fall Protection	<ul style="list-style-type: none"> <li>• Visible redirect stanchions and cable system on roof ridges</li> </ul>	Adverse Effect
Installation of Roof Access	<ul style="list-style-type: none"> <li>• Nonvisible roof access hatch between the Flag and North Towers</li> </ul>	No Adverse Effect
Installation of New East Wing 4th Floor Egress	<ul style="list-style-type: none"> <li>• Visible exterior egress path connecting 4th floor of East Wing to the Main Building</li> <li>• Replacement of non-historic window sash with egress doors</li> </ul>	Adverse Effect

# Comments from Consulting Parties

- East Wing sandstone gutters were not present in 1910



EAST ENTRANCE, 1910



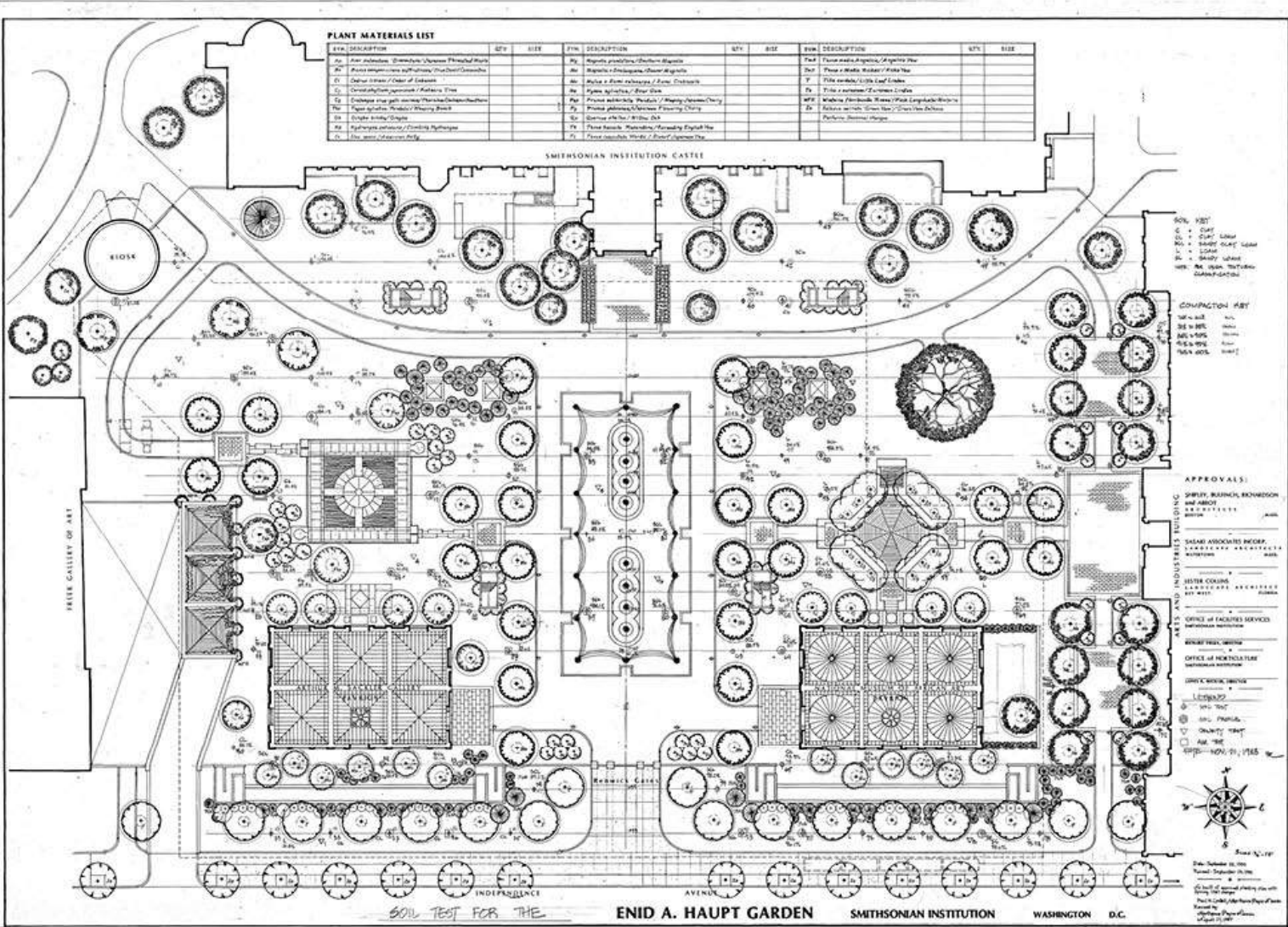
EAST WING AND SANDSTONE GUTTERS, 2023



# FINAL PLANTING PLAN

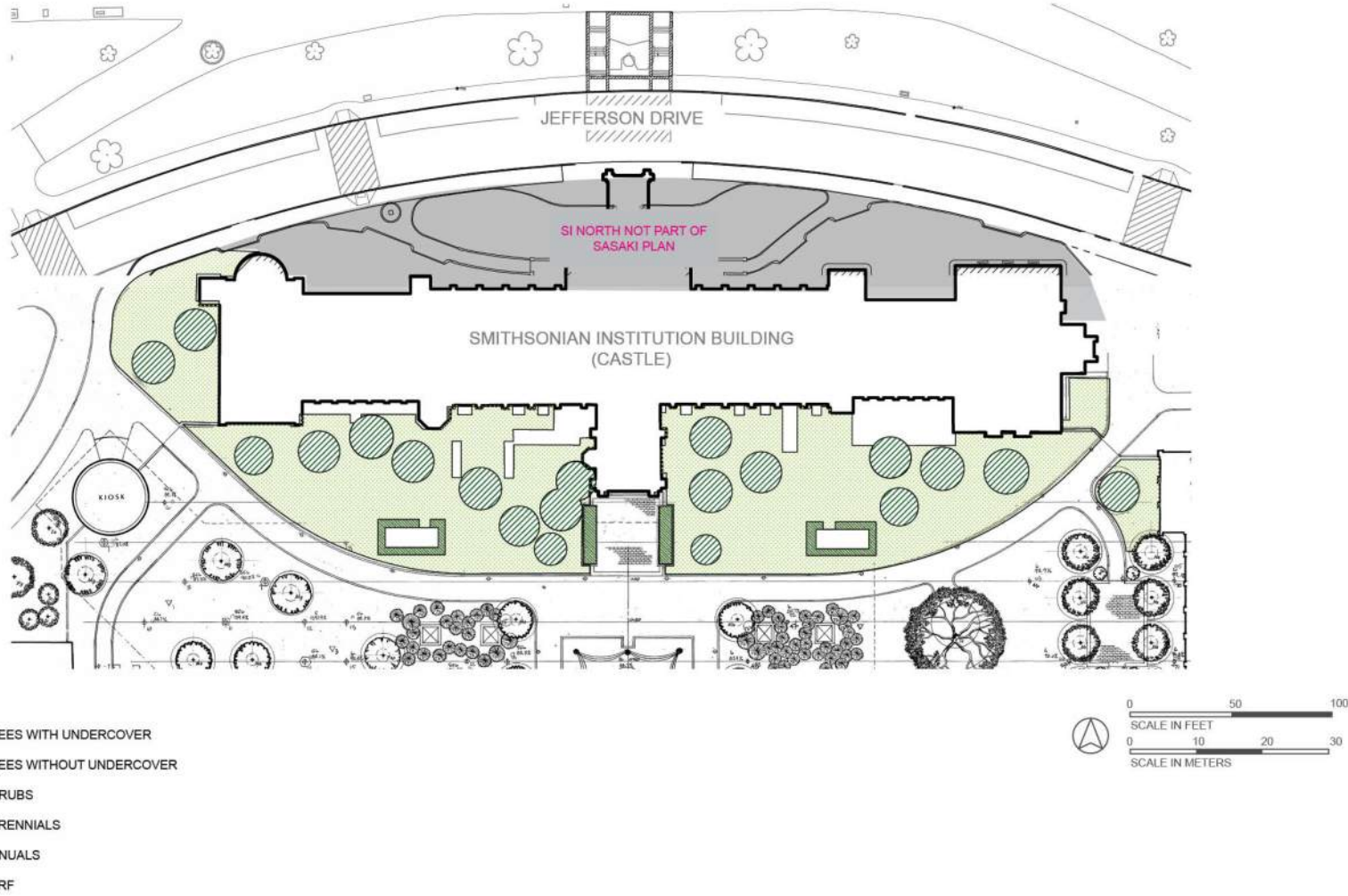
# SMITHSONIAN INSTITUTION BUILDING (SIB)

PLANTING PLAN – SASAKI PLAN (1987)



# SMITHSONIAN INSTITUTION BUILDING (SIB)

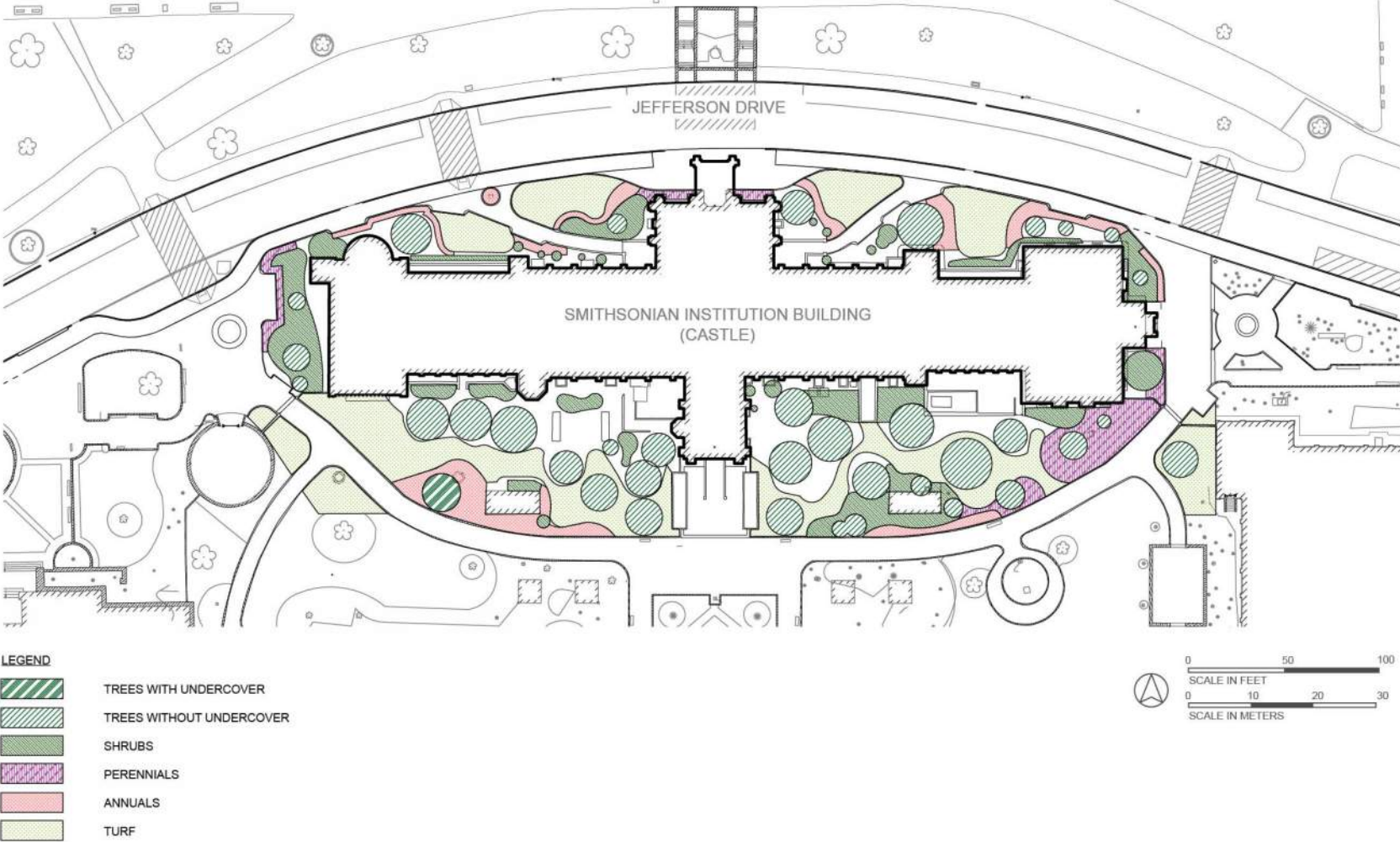
PLANTING PLAN – SASAKI PLAN (1987)





# SMITHSONIAN INSTITUTION BUILDING (SIB)

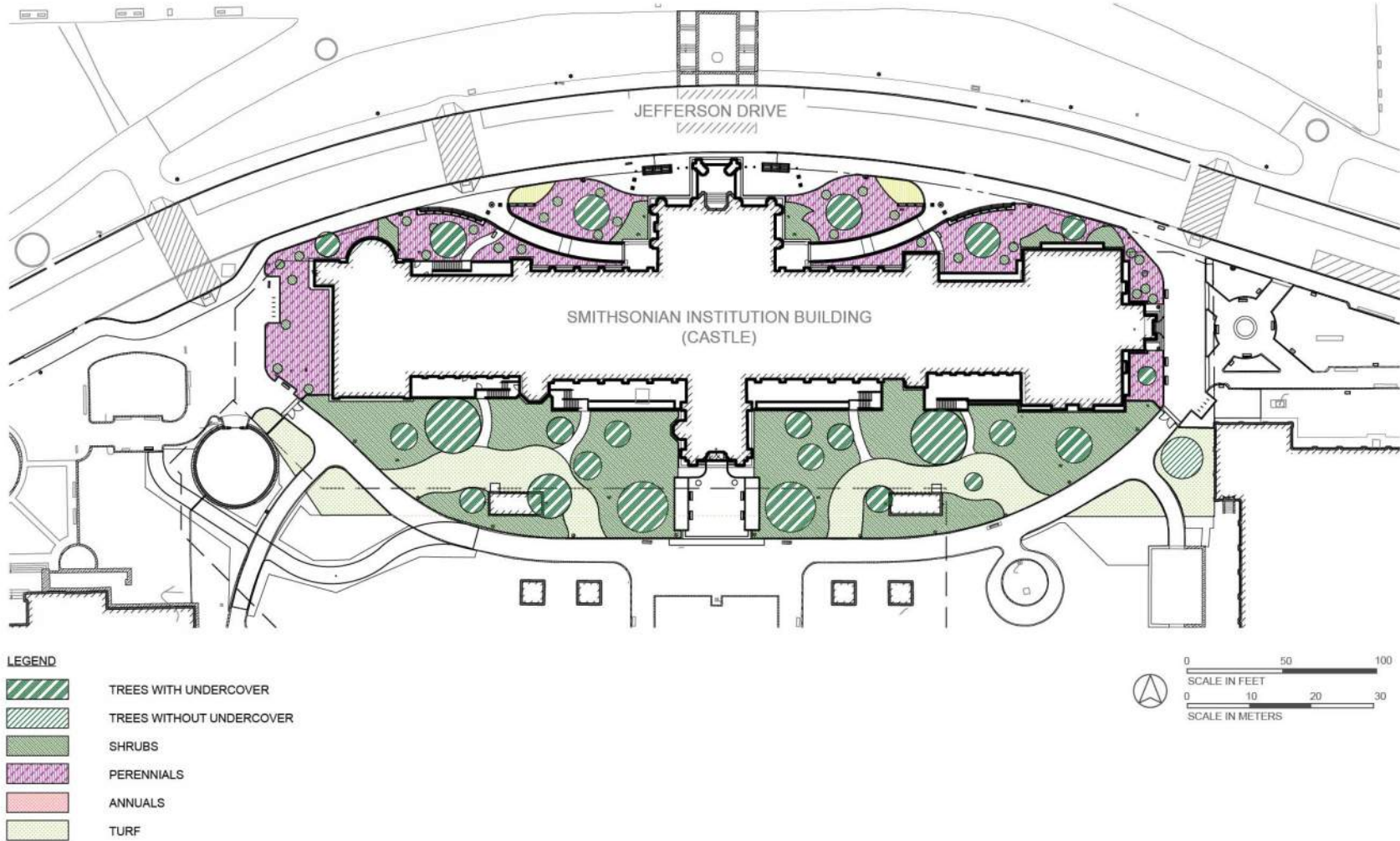
## PLANTING PLAN – EXISTING





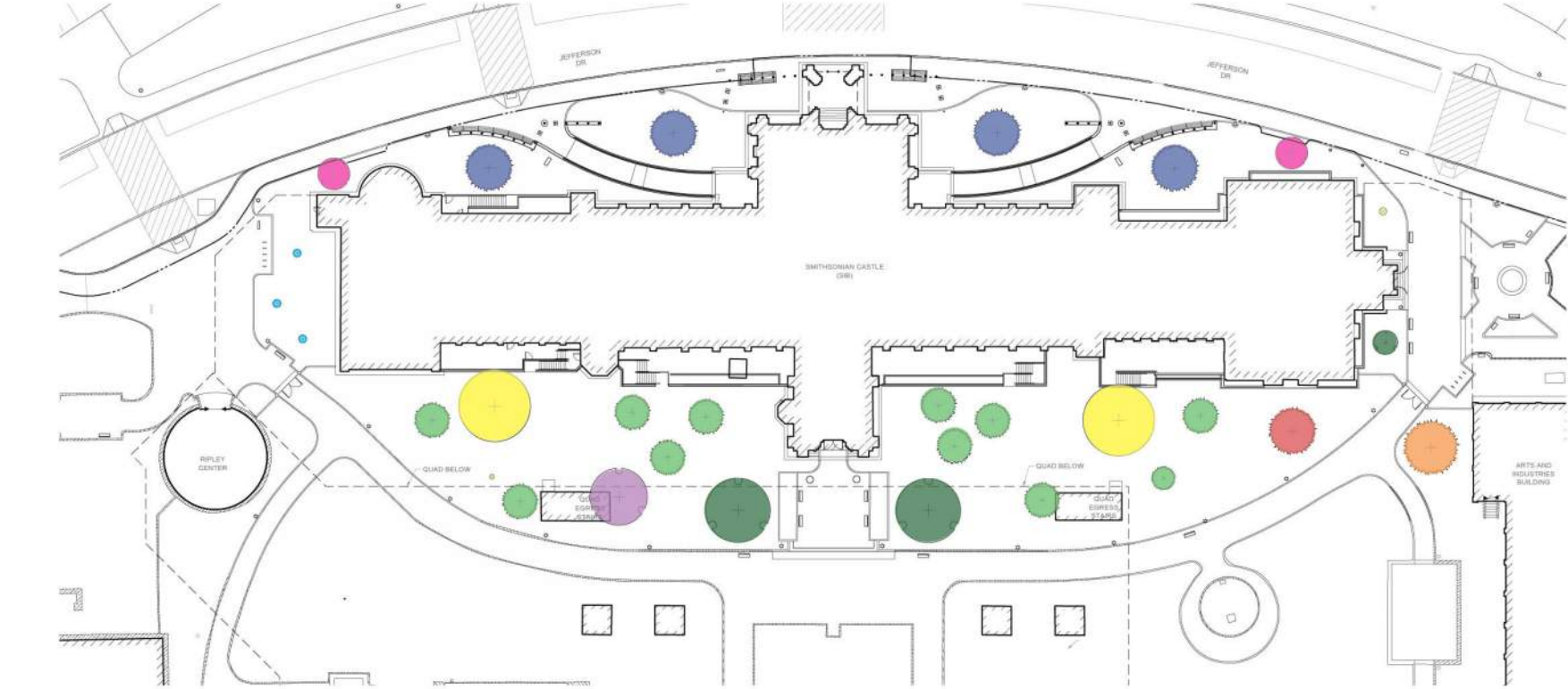
# SMITHSONIAN INSTITUTION BUILDING (SIB)

PLANTING PLAN – PROPOSED



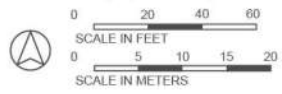
# SMITHSONIAN INSTITUTION BUILDING (SIB)

## PLANTING PLAN – PROPOSED TREE PLAN



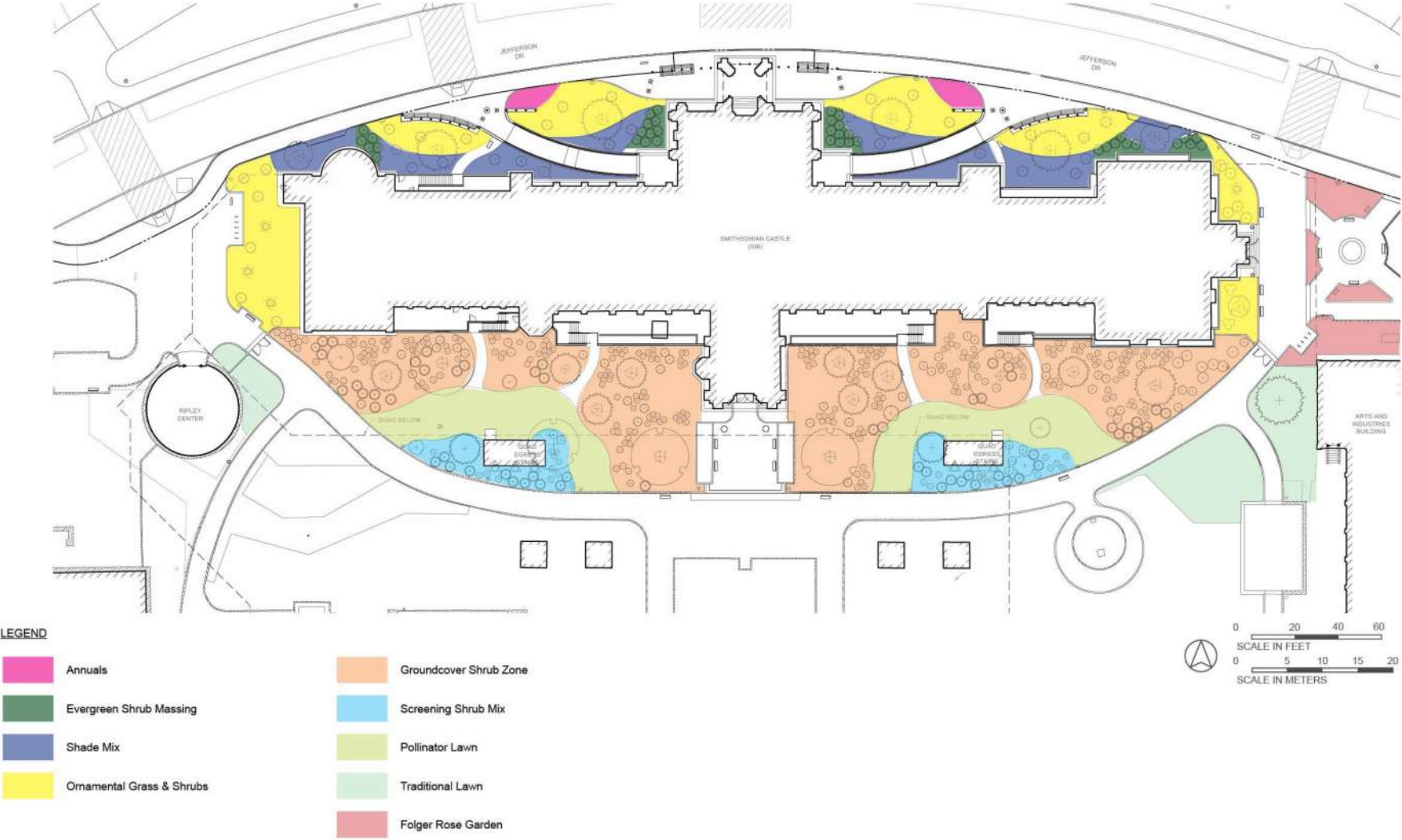
**LEGEND**

- |  |  |  |   |
|--|--|--|---|
| <span style="color: red;">●</span> <i>Araucaria araucana</i><br>Monkey Puzzle Tree                         | <span style="color: purple;">●</span> <i>Cotinus obovatus</i><br>American Smoke Tree   | <span style="color: green;">●</span> <i>Magnolia grandiflora</i><br>Southern Magnolia Cultivars<br>'D.D. Blanchard'<br>'Little Gem'  | <span style="color: cyan;">●</span> <i>Taxodium distichum</i> 'Peve Minaret'<br>Peve Minaret Bald Cypress |
| <span style="color: pink;">●</span> <i>Chionanthus virginicus</i><br>White Fringetree                      | <span style="color: orange;">●</span> <i>Cunninghamia lanceolata</i> 'Chason's Gift'<br>Chason's Gift China Fir                                  | <span style="color: blue;">●</span> <i>Picea orientalis</i> 'Arovirens'<br>Arovirens Oriental Spruce                                 |   |
| <span style="color: yellow;">●</span> <i>Cladrastis kentukea</i> 'Perkins Pink'<br>Perkins Pink Yellowwood | <span style="color: lightgreen;">●</span> <i>Ilex opaca</i><br>American Holly Cultivars<br>'Dan Fenton'<br>'Jersey Knight'<br>'Longwood Gardens' | <span style="color: lightyellow;">●</span> <i>Pinus parviflora</i><br>Japanese White Pine Cultivars<br>'Aobajo'<br>'Gimborn's Ideal' |   |



# SMITHSONIAN INSTITUTION BUILDING (SIB)

## PLANTING PLAN – PROPOSED UNDERSTORY PLANTING



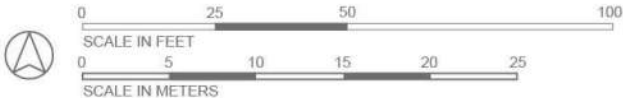
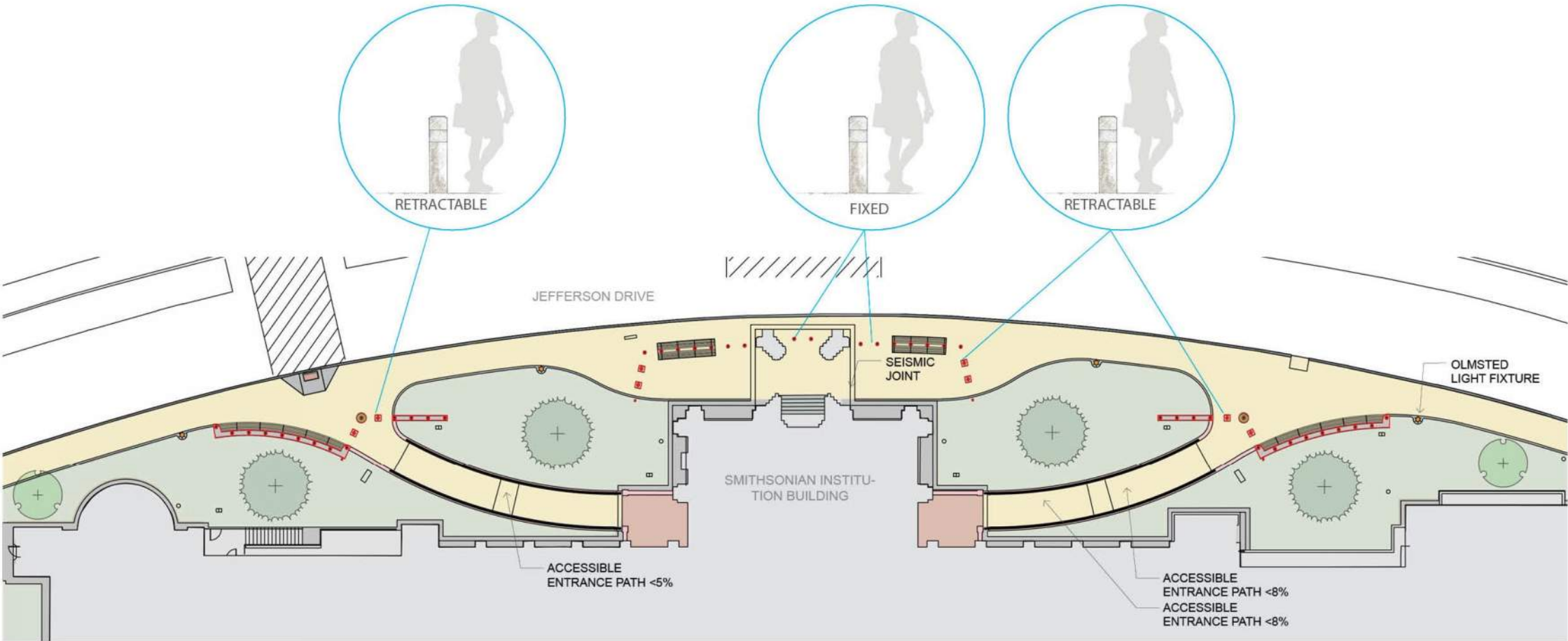
# PERIMETER SECURITY

## JEFFERSON DRIVE



# SMITHSONIAN INSTITUTION BUILDING (SIB)

## PROPOSED MATERIALS – BOLLARD COVERS



# SMITHSONIAN INSTITUTION BUILDING (SIB)

## PROPOSED MATERIALS – BOLLARD COVERS



SMITHSONIAN LOGO



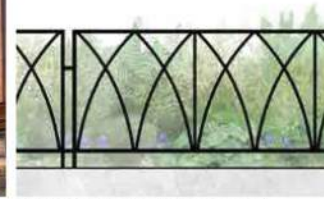
BUSH-HAMMERED SURFACE AT SIB



SIB WINDOW



SIB RIBBED VAULT CEILING AND ROSETTE



NEW STREET TREE FENCE DESIGN  
(FROM CFA PRESENTATION MARCH 16, 2023)



SIB COLONNETTE

### \*PREFERRED OPTION



SMITHSONIAN LOGO



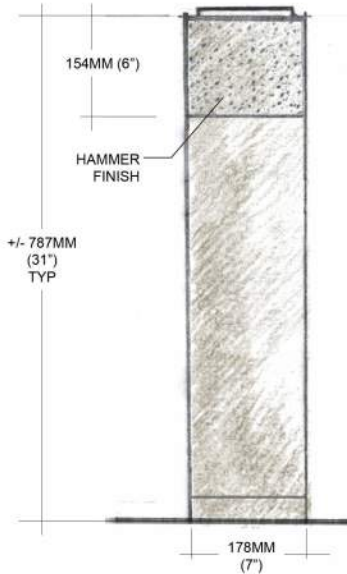
SIB ROSE WINDOW



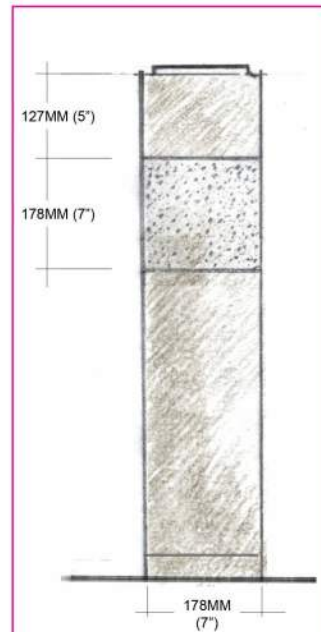
SIB DIAMOND PATTERN

TOP VIEW  
(OPTIONS FOR ALL CONCEPTS)

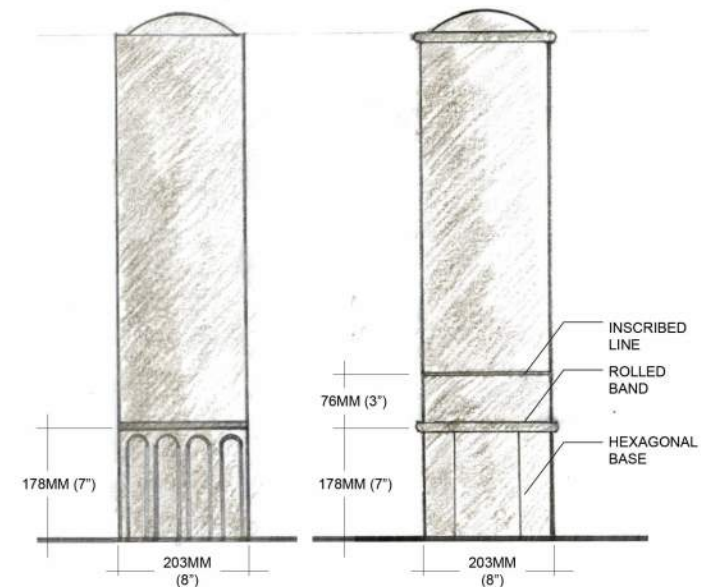
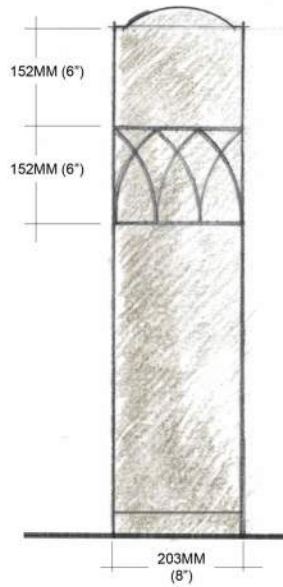
### \*PREFERRED OPTION



DECORATION AT TOP



DECORATION AT MID-LEVEL

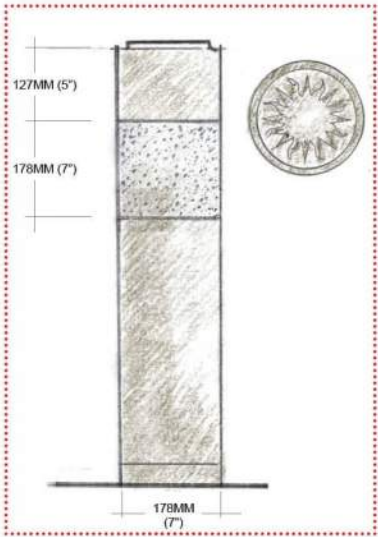


DECORATION AT BOTTOM



# SMITHSONIAN INSTITUTION BUILDING (SIB)

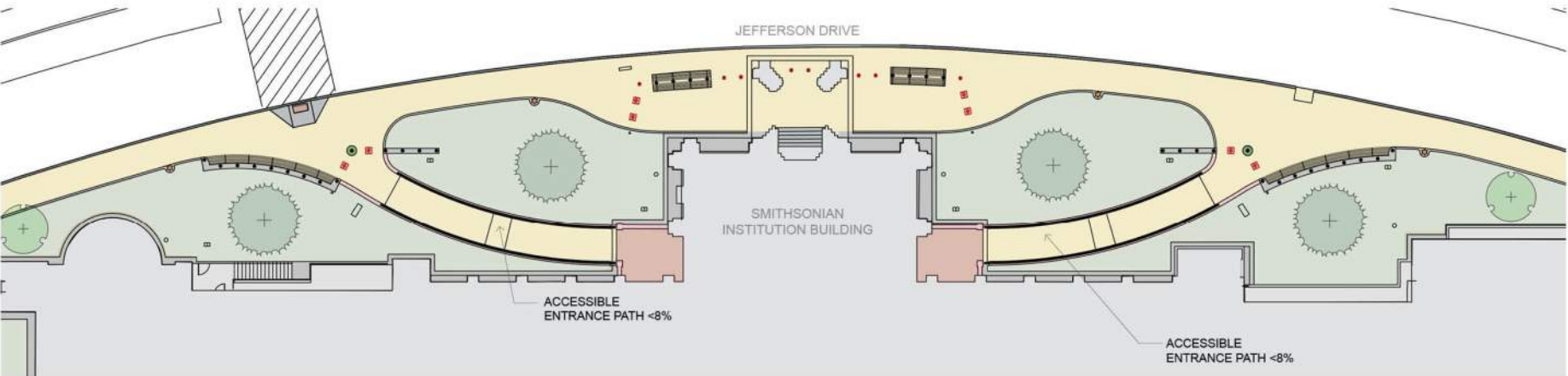
## PROPOSED MATERIALS – BOLLARD COVERS



BRONZE BOLLARD COVER, LOCATIONS INDICATED BELOW

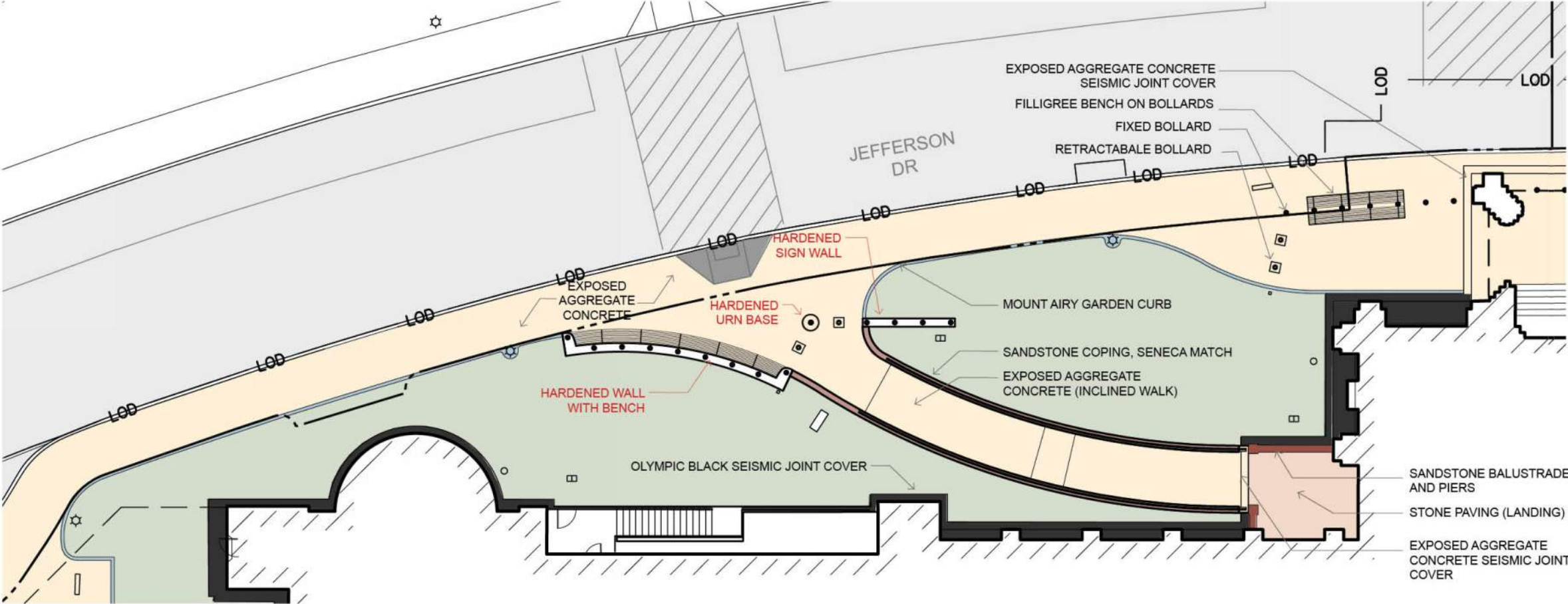


EXAMPLE OF BRONZE BOLLARD COVER (NATIONAL MUSEUM OF THE AMERICAN INDIAN), DESIGN TO BE AS SHOWN AT LEFT



# SMITHSONIAN INSTITUTION BUILDING (SIB)

## PERIMETER SECURITY HARDENED ELEMENTS STONE OPTIONS





# SMITHSONIAN INSTITUTION BUILDING (SIB)

PERIMETER SECURITY HARDENED ELEMENTS STONE OPTIONS – MOUNT AIRY



MOUNT AIRY





# SMITHSONIAN INSTITUTION BUILDING (SIB)

PERIMETER SECURITY HARDENED ELEMENTS STONE OPTIONS – CARNELIAN



CARNELIAN



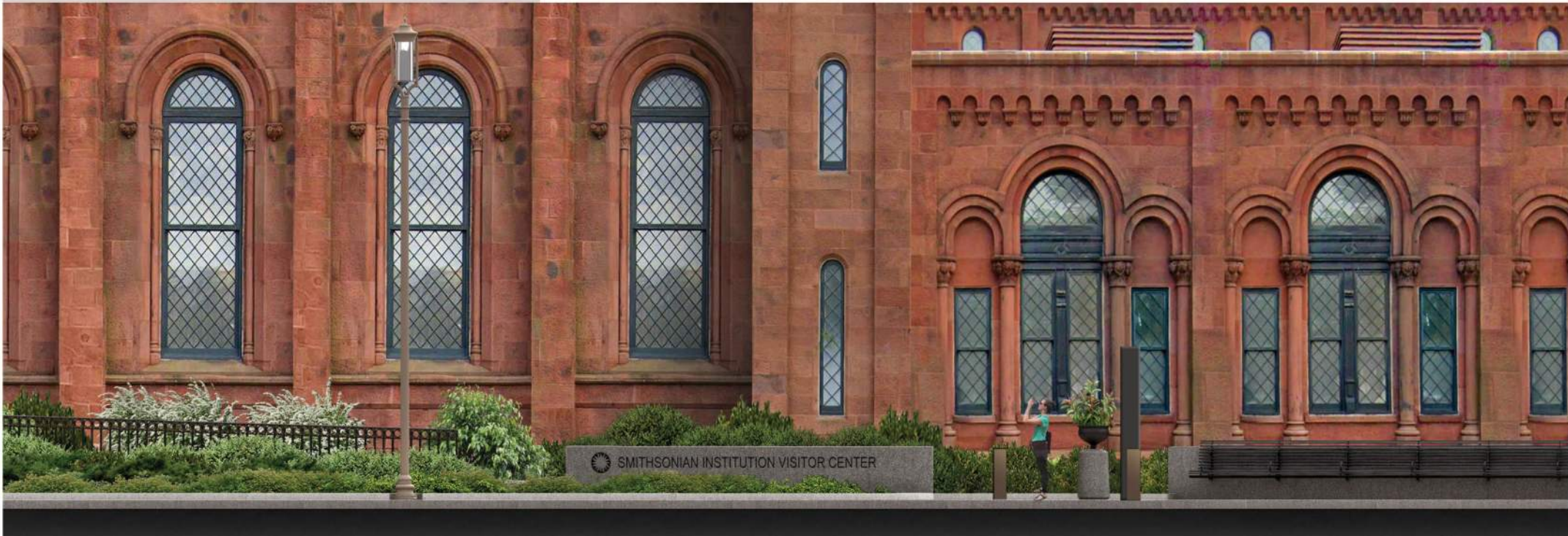


# SMITHSONIAN INSTITUTION BUILDING (SIB)

PERIMETER SECURITY HARDENED ELEMENTS STONE OPTIONS – ACADEMY BLACK



ACADEMY BLACK



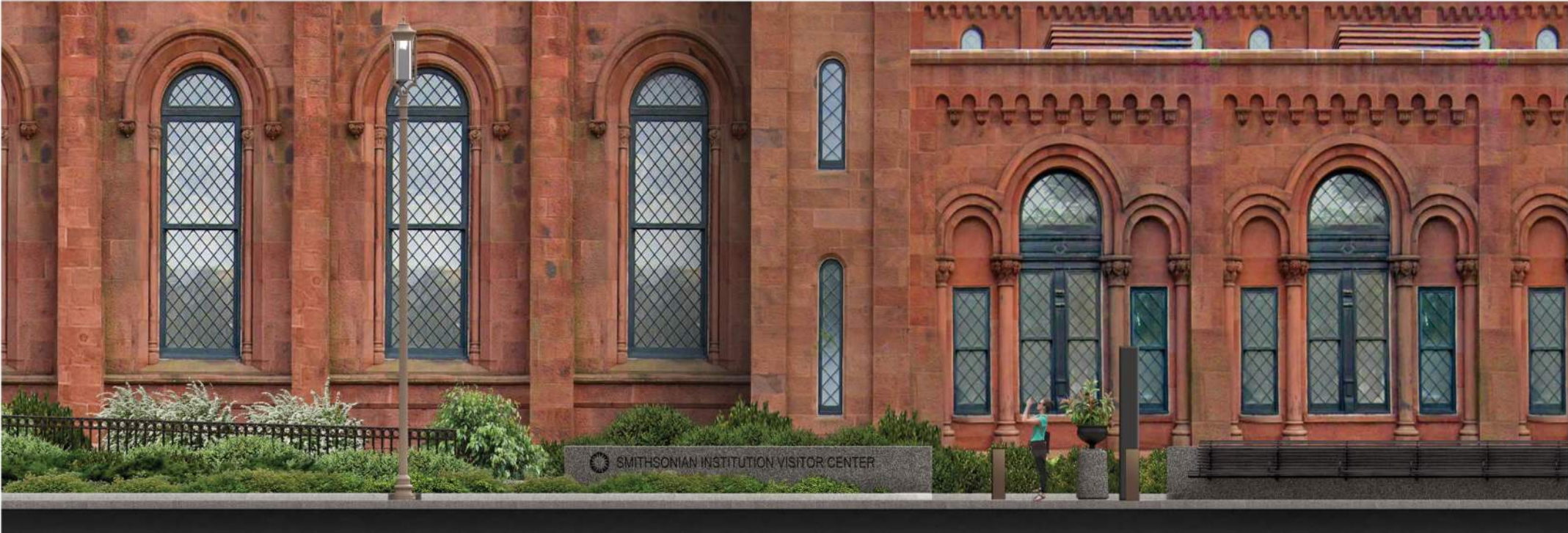


# SMITHSONIAN INSTITUTION BUILDING (SIB)

PERIMETER SECURITY HARDENED ELEMENTS STONE OPTIONS – OLYMPIC BLACK



OLYMPIC BLACK





# SMITHSONIAN INSTITUTION BUILDING (SIB)

## NEW HARDENED STONE WALL SIGN



MOUNT AIRY



CARNELIAN



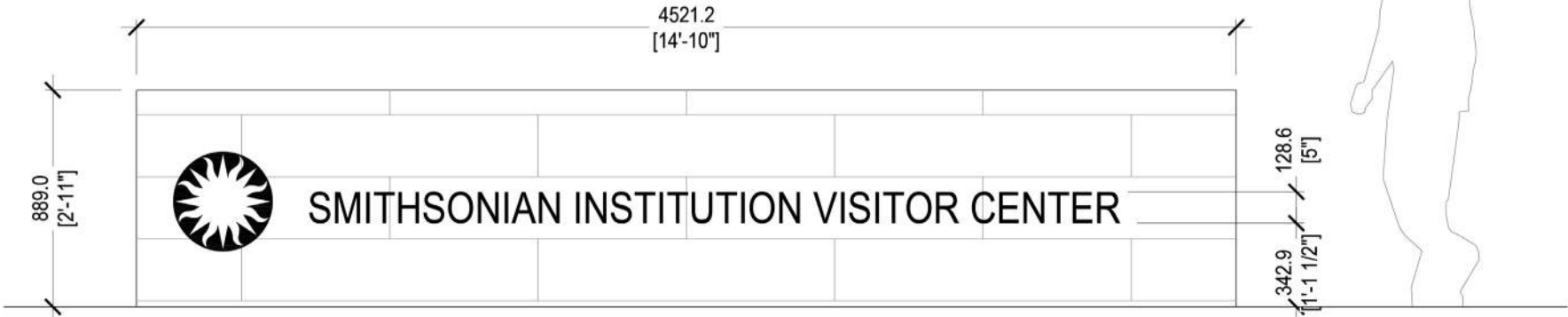
ACADEMY BLACK



CARVED LETTERS IN GRANITE



CARVED LETTERS IN GRANITE

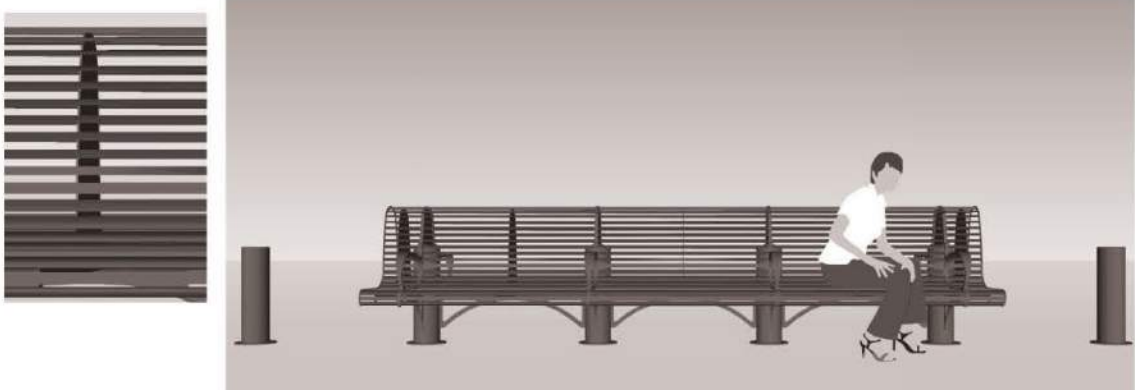




# SMITHSONIAN INSTITUTION BUILDING (SIB)

## PERIMETER SECURITY – HARDENED BENCH DESIGN: PORTE-COCHERE

\*PREFERRED OPTION



**OPTION 1**  
Slats @ 51MM (2") O.C.  
13MM (1/2") Wide Slats, 38MM (1-1/2") Gap at Top to 38MM (1-1/2") Wide Slats,  
13MM (1/2") Gap at Seat in 6MM (1/4") Increment Gradation



**OPTION 2**  
Based on Option 1 with  
89MM (3-1/2") and 38MM (1-1/2") Slats at Shoulder Height



**OPTION 3**  
Slats @ 4" O.C.  
25 to 76MM (1 to 3") Wide Slats at Seat Back, 13MM (1/2") Slats at Top  
45 to 64MM (1-3/4 to 2-1/2") Gap at Seat Back



**OPTION 4**  
Based on Model 3 with  
6mm (1/4") Rods Centered in Gaps



# SMITHSONIAN INSTITUTION BUILDING (SIB)

## PERIMETER SECURITY – HARDENED BENCH DESIGN



OPTION 1 – WIDE END, FULL HEIGHT WALL



# SMITHSONIAN INSTITUTION BUILDING (SIB)

## PERIMETER SECURITY – HARDENED BENCH DESIGN



OPTION 2 – NARROW / SHORT END, FULL HEIGHT WALL

# SMITHSONIAN INSTITUTION BUILDING (SIB)

## PERIMETER SECURITY – HARDENED BENCH DESIGN



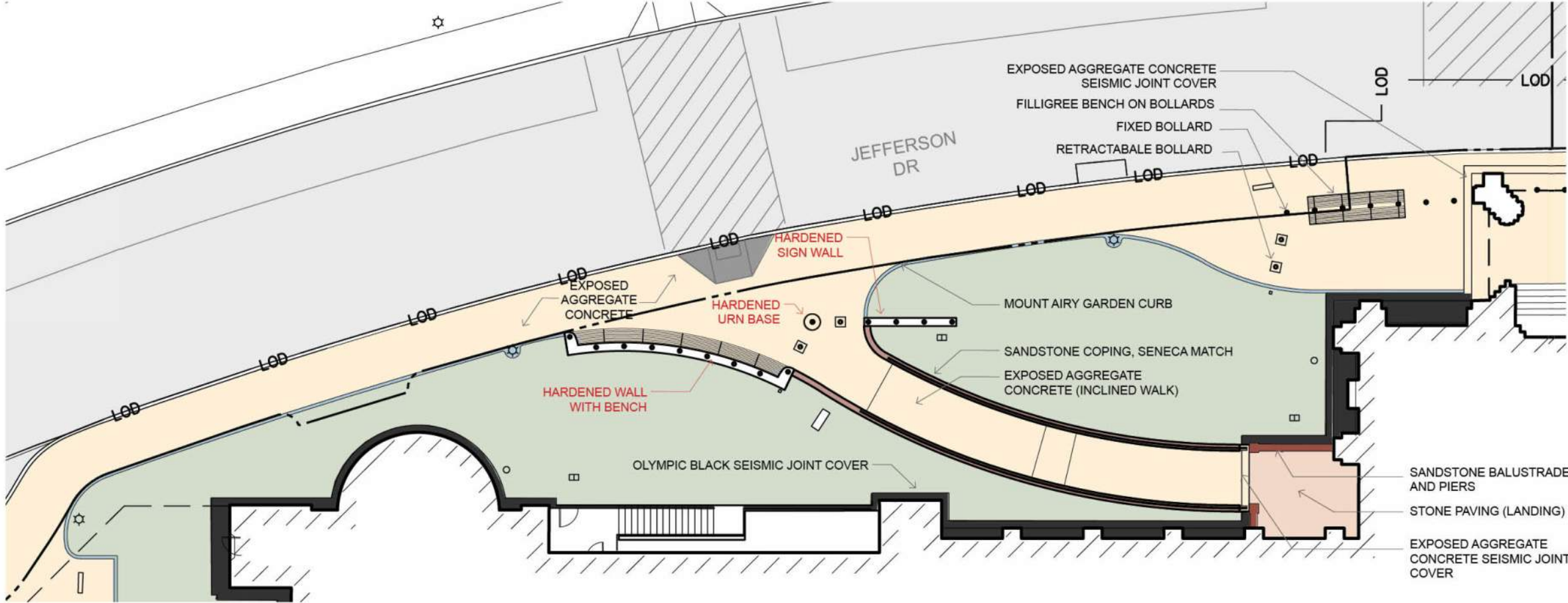
OPTION 3 – NARROW / SHORT END, SEAT HEIGHT WALL \*PREFERRED OPTION

# NORTH RAMPS/SLOPED SIDEWALKS



# SMITHSONIAN INSTITUTION BUILDING (SIB)

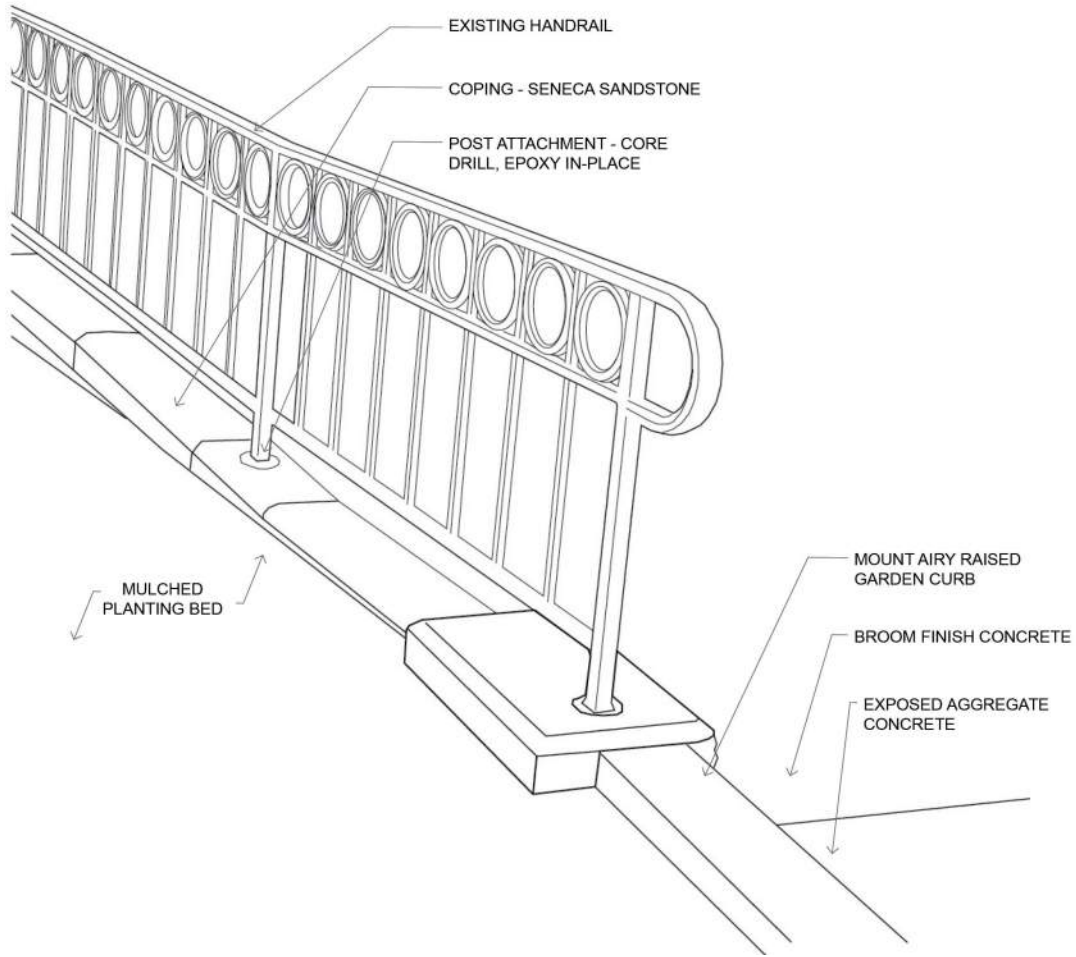
## SLOPED SIDEWALK FROM JEFFERSON DRIVE - WEST





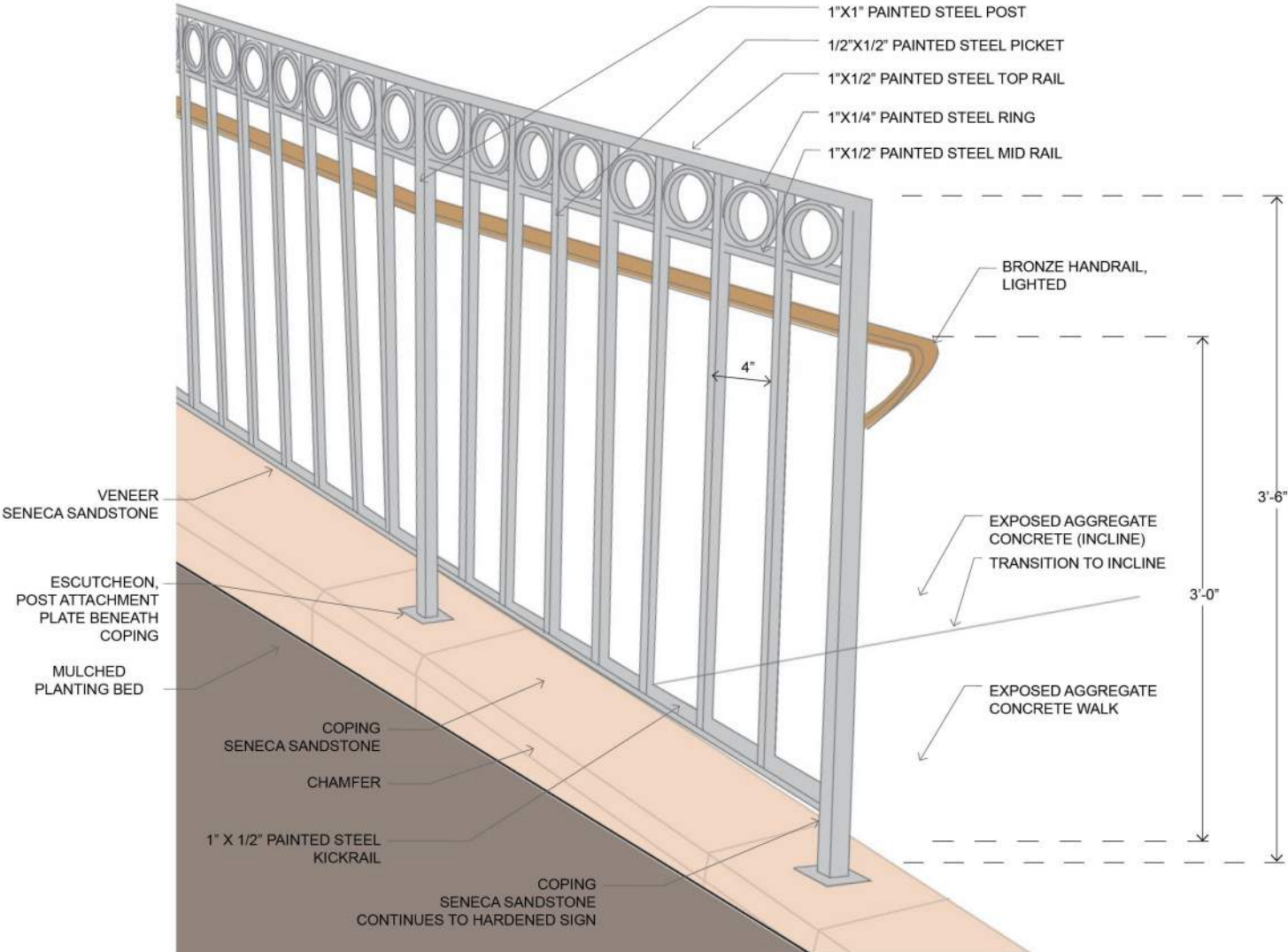
# SMITHSONIAN INSTITUTION BUILDING (SIB)

SLOPED SIDEWALK FROM JEFFERSON DRIVE – WEST: EXISTING CONDITIONS



# SMITHSONIAN INSTITUTION BUILDING (SIB)

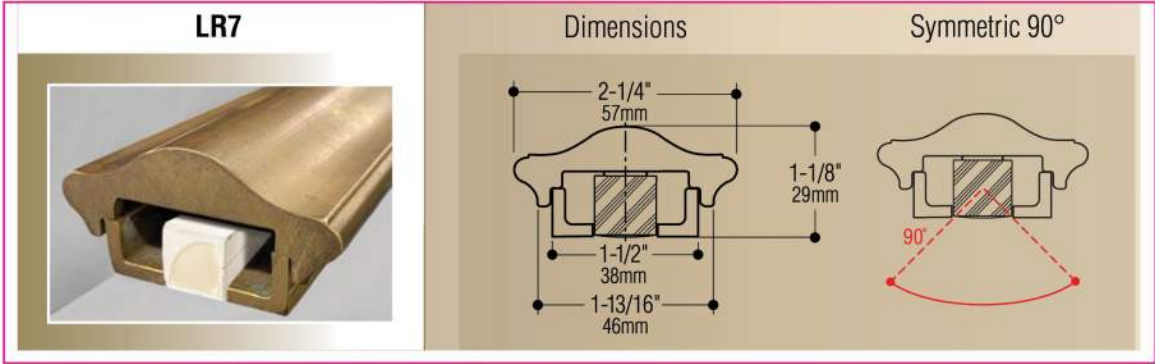
## SLOPED SIDEWALK FROM JEFFERSON DRIVE – WEST: PROPOSED





# SMITHSONIAN INSTITUTION BUILDING (SIB)

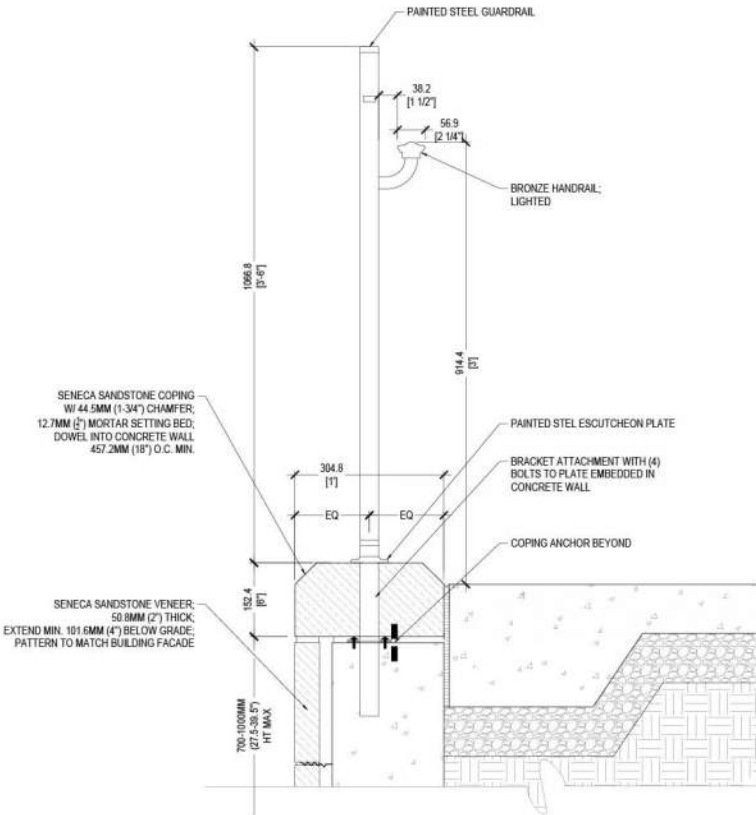
SLOPED SIDEWALK FROM JEFFERSON DRIVE – WEST: PROPOSED



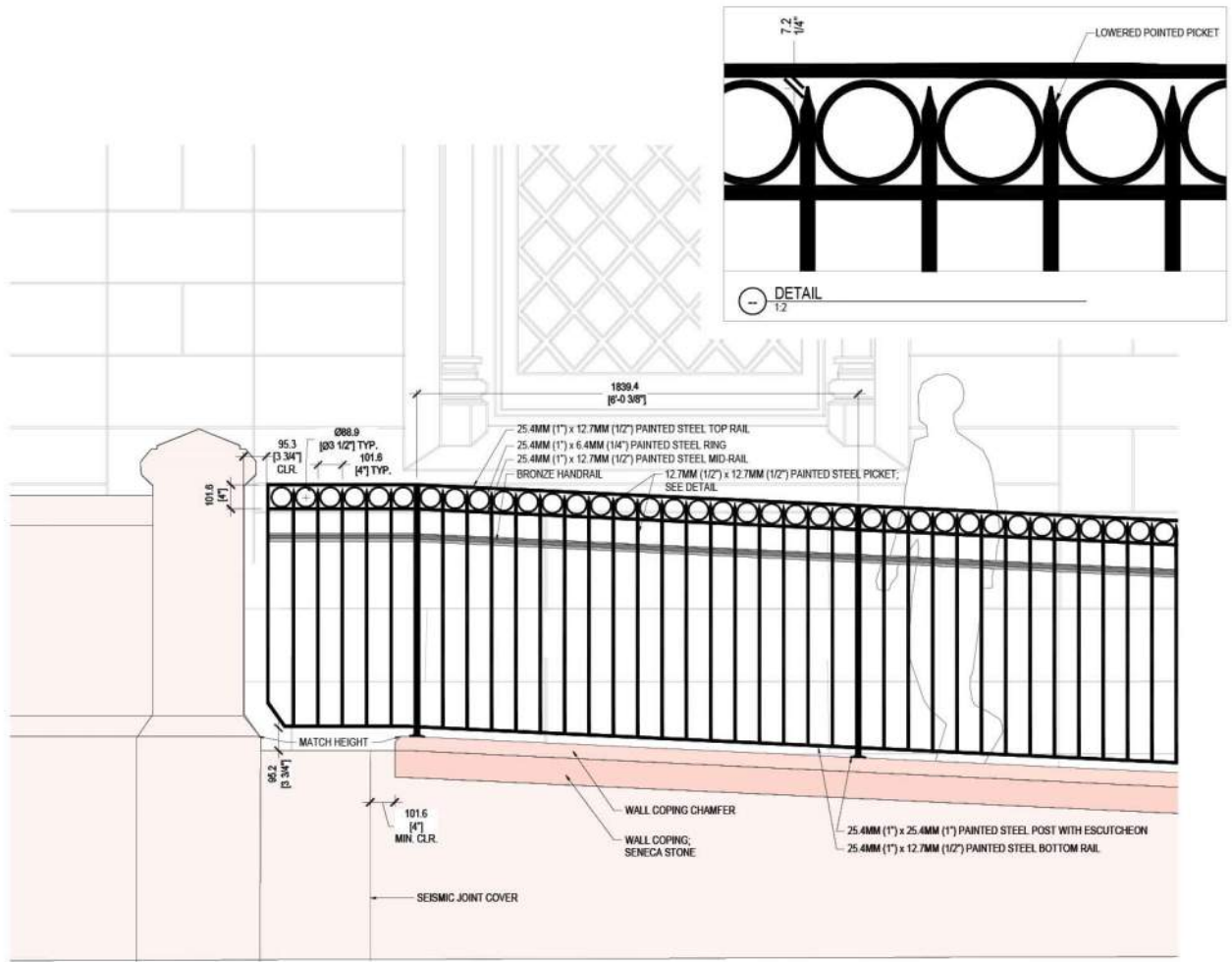


# SMITHSONIAN INSTITUTION BUILDING (SIB)

SLOPED SIDEWALK FROM JEFFERSON DRIVE – WEST: PROPOSED



15 HANDRAIL/GUARDRAIL AT NORTH ENTRANCE



1-10 ELEVATION PART A @ RAMP

# SMITHSONIAN INSTITUTION BUILDING (SIB)

SLOPED SIDEWALK FROM JEFFERSON DRIVE – WEST: COPING MATERIAL PROPOSED

\*PREFERRED OPTION

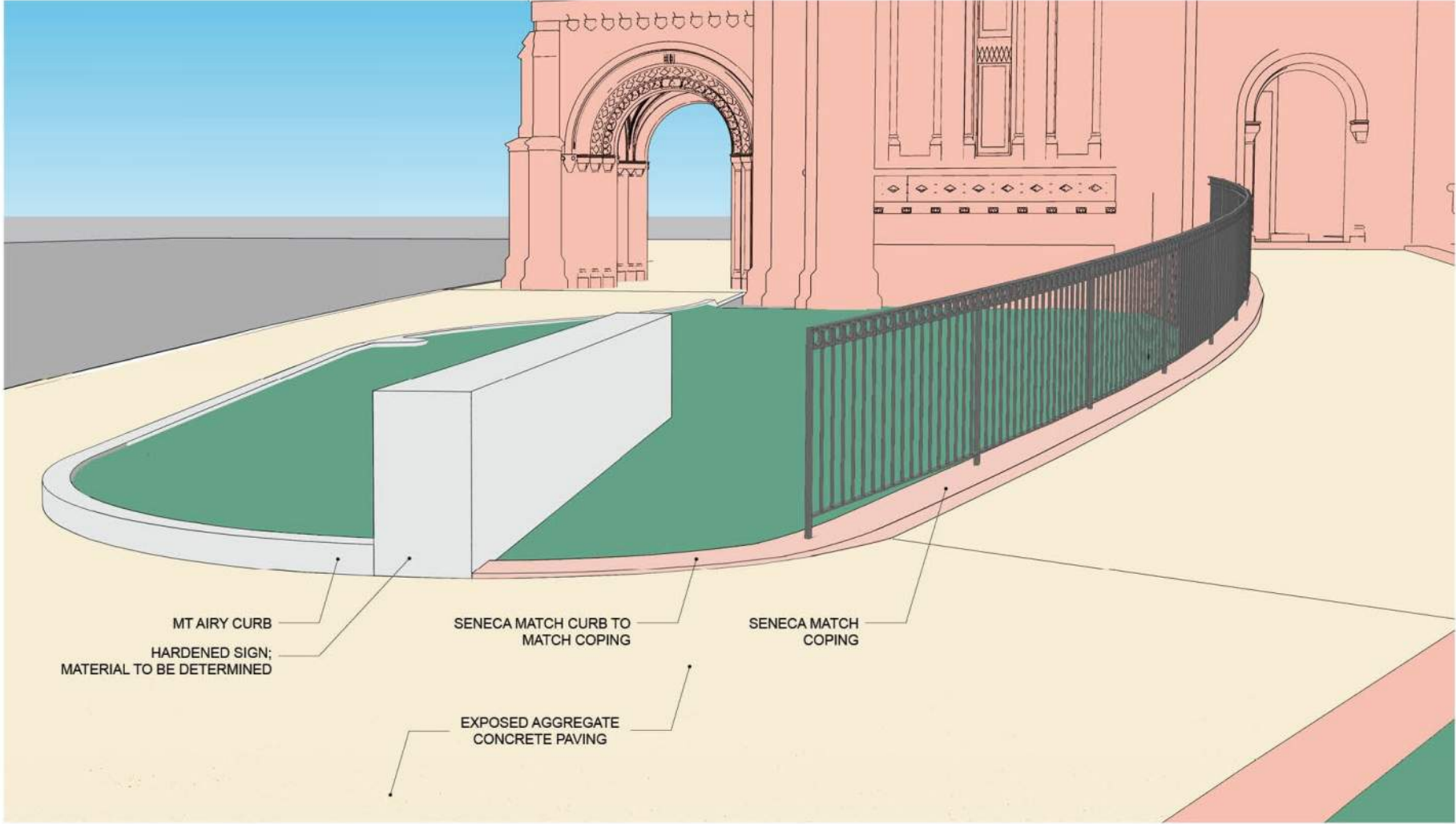


EXISTING CONDITION



# SMITHSONIAN INSTITUTION BUILDING (SIB)

SLOPED SIDEWALK FROM JEFFERSON DRIVE – WEST: PROPOSED



OPTION 1 - SENECA MATCH (SIGN MATERIAL TBD)

\*PREFERRED OPTION



# Questions or Comments

## MODERATOR

**Carly Bond**, Historic Preservation Specialist

## PRESENTERS / PANELISTS

**Christopher Lethbridge**, Architect/Program Manager

**Lauren Brandes**, RLA, ASLA, Smithsonian Gardens

**Matthew Chalifoux**, FAIA, Sr. Historic Preservation Architect, EYP-Loring, LLC

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**Phuong Nguyen**, SEG, AIGA, Lead Experiential Graphic Designer, EYP-Loring, LLC

**David Ghatan**, FIALD, CLD, MIES, President, CM Kling + Associates



# EXTERIOR SIGNAGE

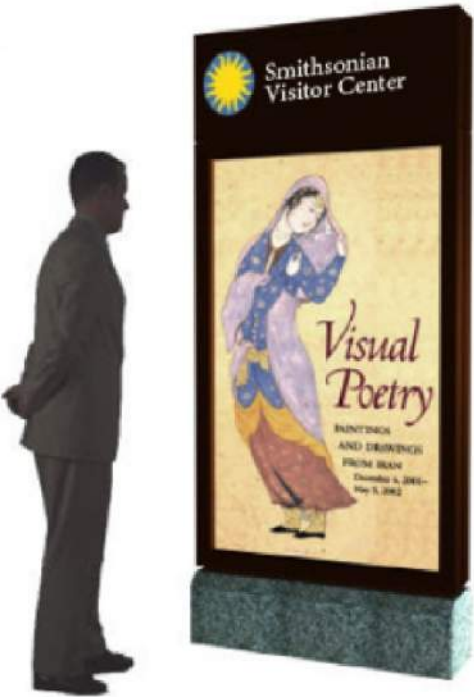
# SMITHSONIAN INSTITUTION BUILDING (SIB)

## EXTERIOR SIGNAGE | EXISTING MALL-WIDE EXTERIOR SIGNAGE TYPES



XA1

SMITHSONIAN INFORMATION SIGN



XA2

MUSEUM PROGRAM SIGN



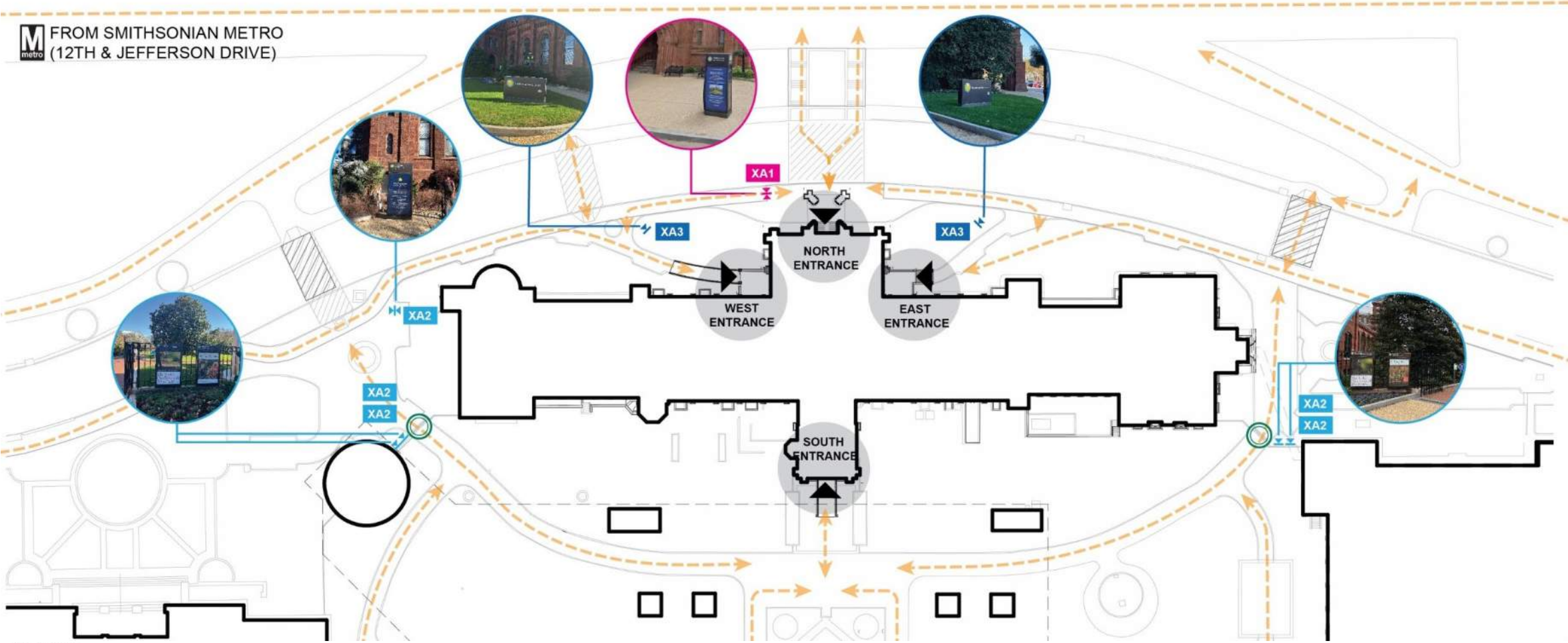
XA3

BUILDING IDENTIFICATION SIGN



# SMITHSONIAN INSTITUTION BUILDING (SIB)

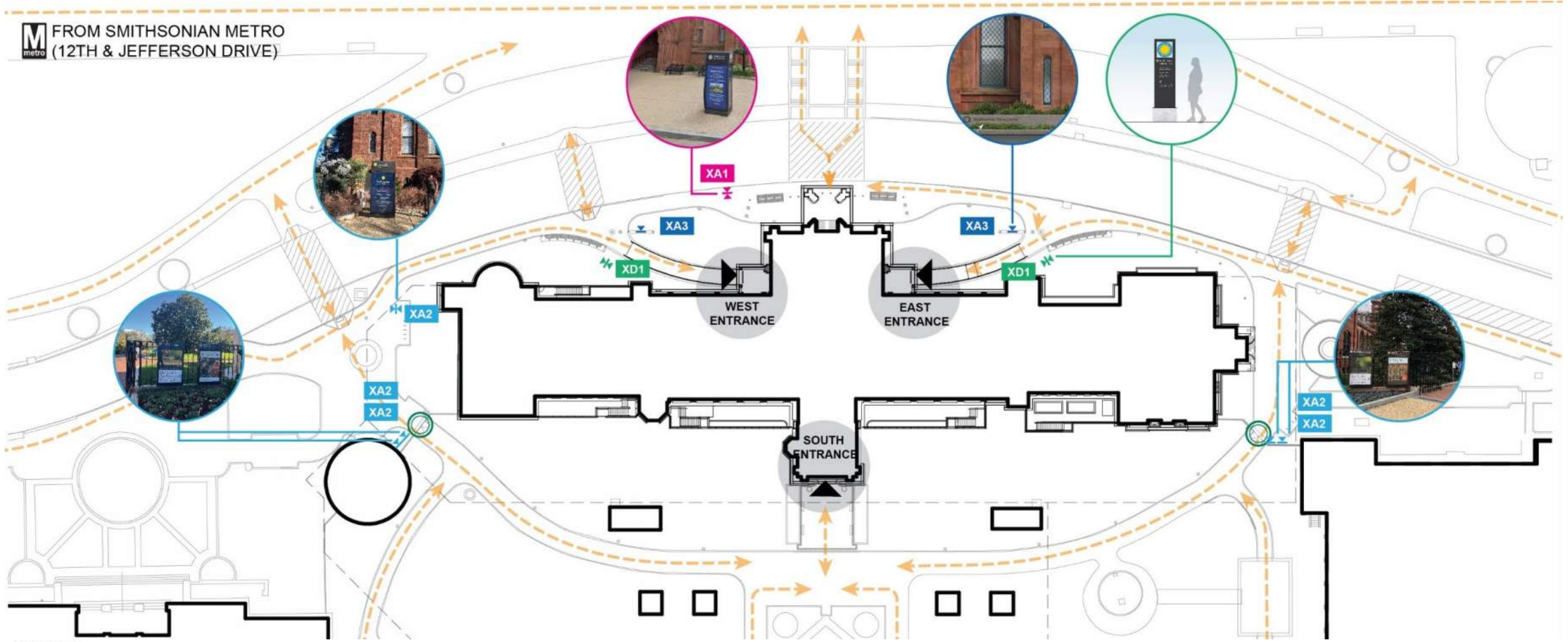
## EXTERIOR SIGNAGE | EXISTING



- LEGEND**
- CIRCULATION PATHS
  - HAUPT GARDEN ENTRY
  - EXISTING SI BUILDING ID SIGN TO SALVAGE / RE-INSTALL / REPLACE
  - EXISTING SI MUSEUM SIGN TO SALVAGE / RE-INSTALL
  - EXISTING SI INFORMATION SIGN TO SALVAGE / RE-LOCATE

# SMITHSONIAN INSTITUTION BUILDING (SIB)

EXTERIOR SIGNAGE (2028) | OPTION 1  
WITH VERTICAL PYLON SIGNS (XD1)



**LEGEND**

- CIRCULATION PATHS
- HAUPT GARDEN ENTRY
- EXISTING SI BUILDING ID SIGN TO SALVAGE / RE-INSTALL / REPLACE
- EXISTING SI MUSEUM SIGN TO SALVAGE / RE-INSTALL
- EXISTING SI INFORMATION SIGN TO SALVAGE / RE-LOCATE
- NEW DIRECTIONAL SIGNS

# SMITHSONIAN INSTITUTION BUILDING (SIB)

## EXTERIOR DIRECTIONAL SIGN (XD1) | NEW SIGN



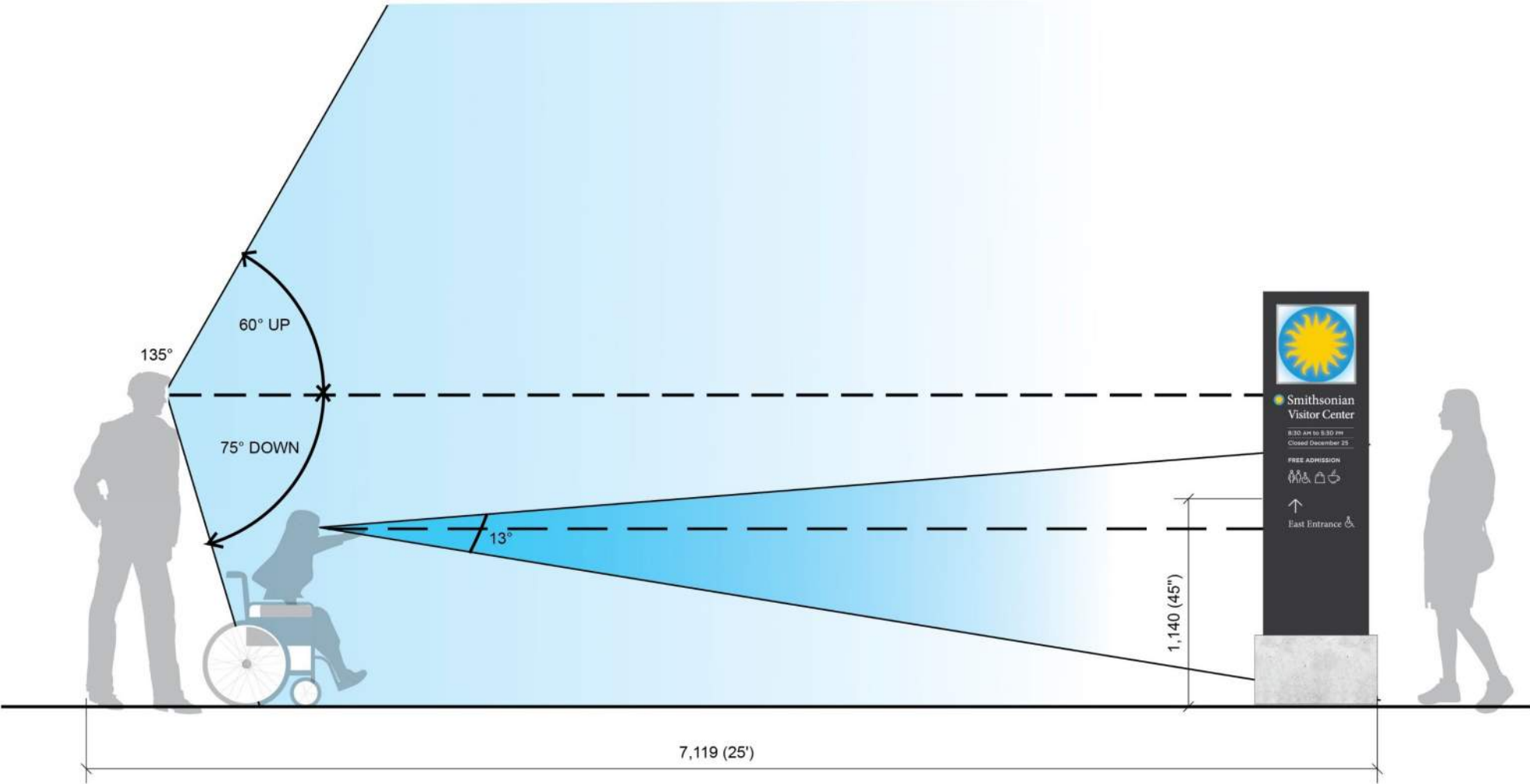
XD1

Exterior Building Directional Sign



# SMITHSONIAN INSTITUTION BUILDING (SIB)

## EXTERIOR DIRECTIONAL SIGN (XD1) | NEW SIGN

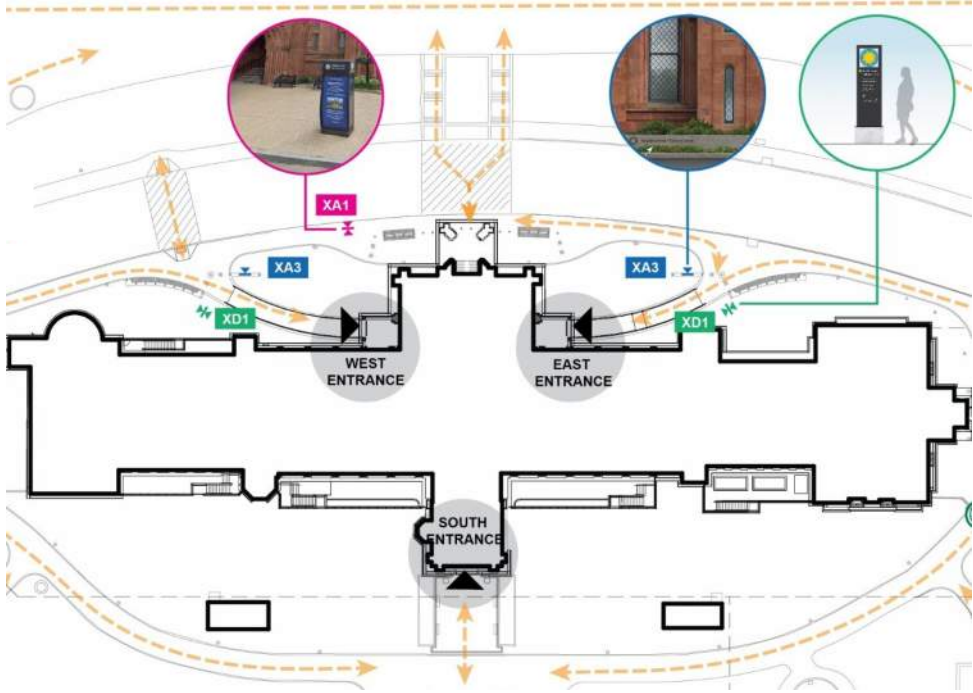


**XD1**

Exterior Building Directional Sign

# SMITHSONIAN INSTITUTION BUILDING (SIB)

NEW DIRECTIONAL SIGN (XA3) AND STONE SIGN | APPROACH TO WEST ENTRANCE



# AREAWAY FINISHES



# SMITHSONIAN INSTITUTION BUILDING (SIB)

AREAWAYS | PROPOSED FINISH MATERIALS  
EXISTING AREAWAY CONDITION



SOUTHWEST AREAWAY



SOUTHEAST AREAWAY  
EXISTING SENECA SANDSTONE AT BUILDING BASE TO REMAIN



SOUTHEAST AREAWAY



# SMITHSONIAN INSTITUTION BUILDING (SIB)

AREAWAYS | EXTENTS OF EXISTING MASONRY REMOVALS  
EXISTING PHOTOGRAPHS FROM SURVEY

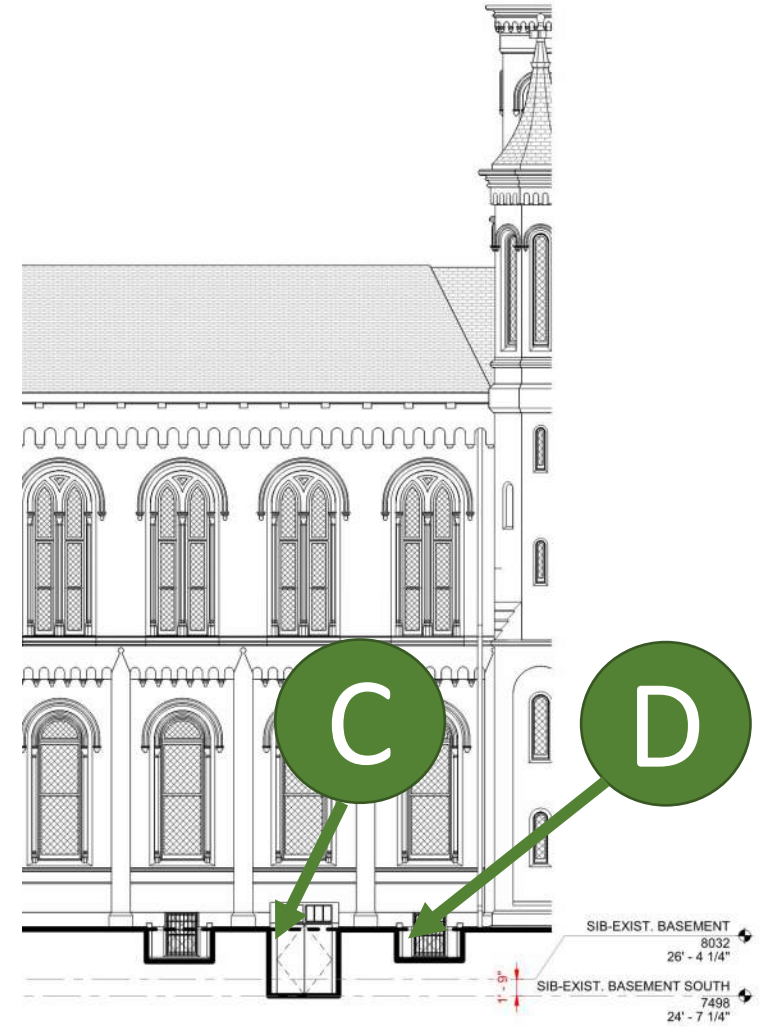


EXISTING DOOR AT SOUTHEAST OF GREAT HALL

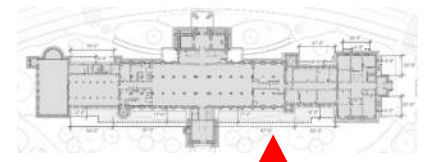


EXISTING WINDOW WELL DEPTH (36" +/-)

EXISTING WINDOW AT SOUTHEAST OF GREAT HALL



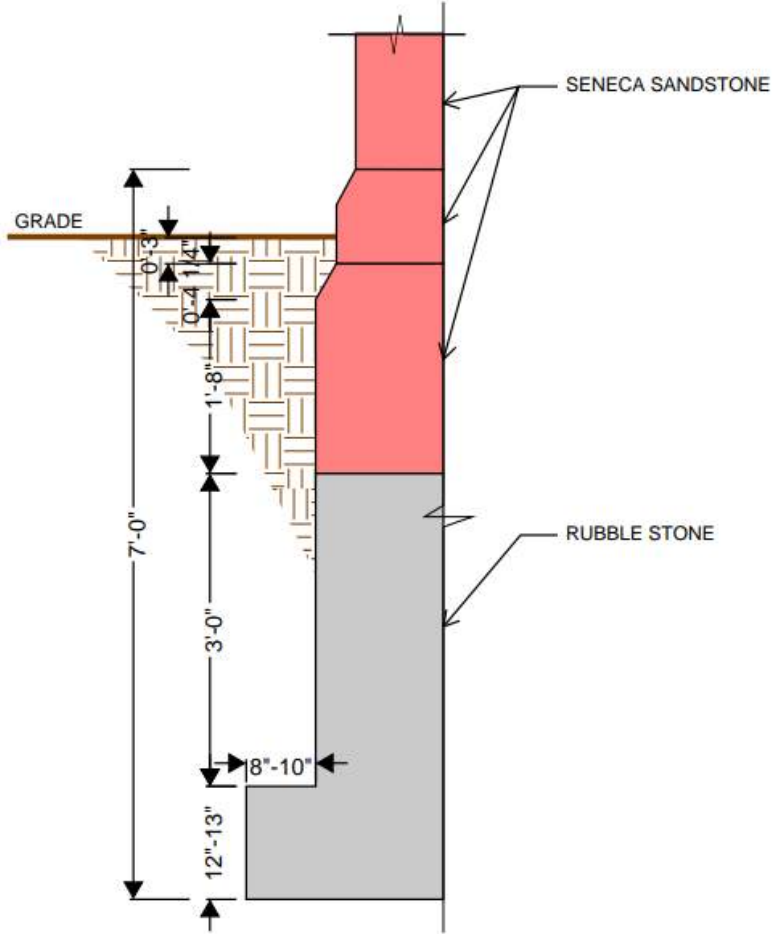
GREAT HALL SOUTHEAST ELEVATION





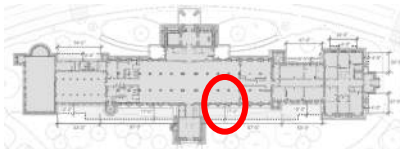
# SMITHSONIAN INSTITUTION BUILDING (SIB)

AREAWAYS | EXTENTS OF EXISTING MASONRY REMOVALS  
STRUCTURAL TESTPIT FINDINGS



IMAGES FROM STRUCTURAL TESTPIT EXPLORATION

DIAGRAM OF BELOW GRADE EXTERIOR ASSEMBLY



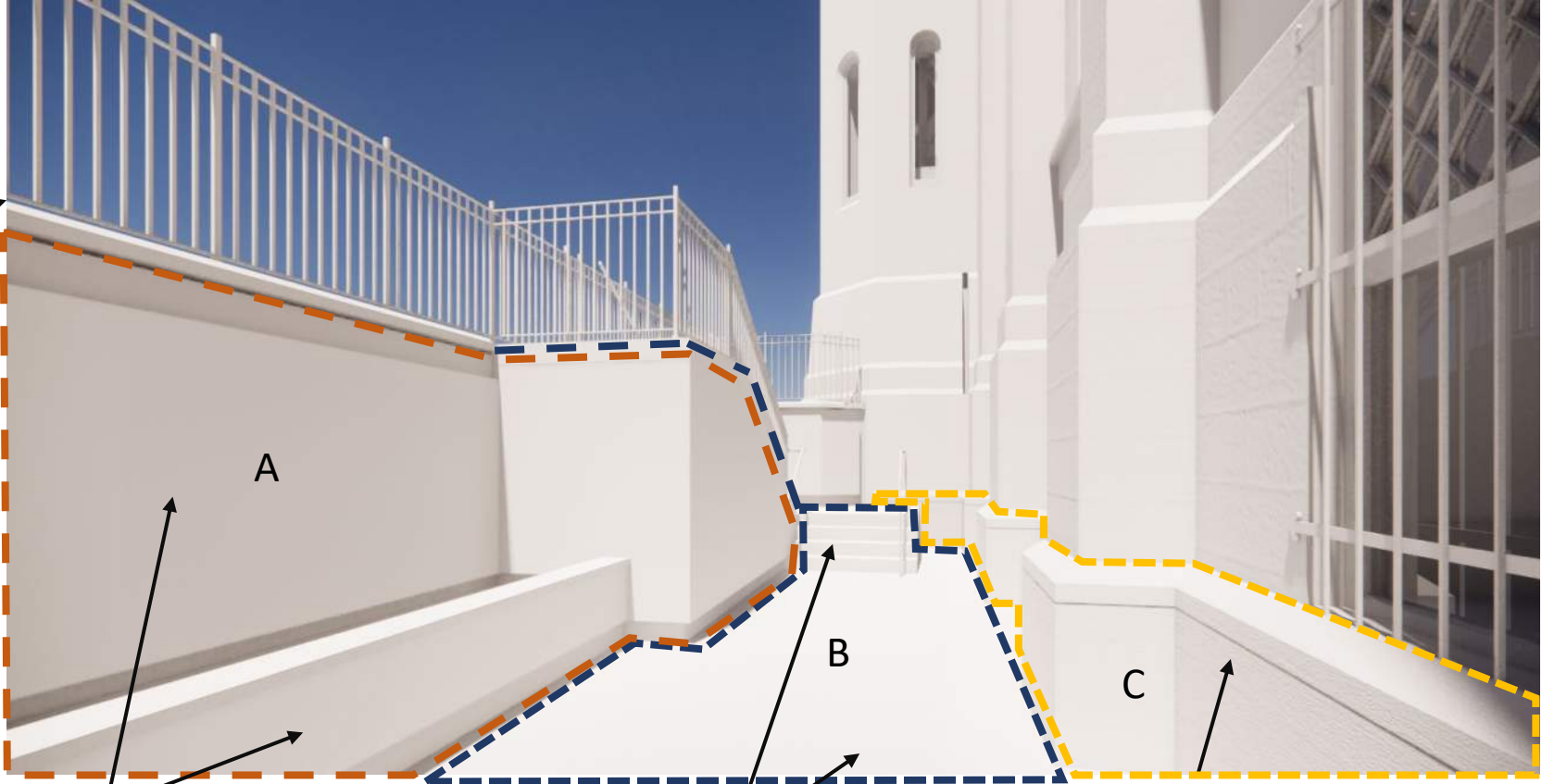


# SMITHSONIAN INSTITUTION BUILDING (SIB)

AREAWAYS | PROPOSED FINISH MATERIALS  
MATERIAL FAMILIES



GRANITE - OLYMPIC BLACK



A. ULTRA HIGH PERFORMANCE CONCRETE



B. PAVER/ PRECAST TREAD



C. NATURAL STONE

\*Material selection applied to all areaways

# SMITHSONIAN INSTITUTION BUILDING (SIB)

**AREAWAYS** | PROPOSED FINISH MATERIALS  
NATURAL STONE FOR UNDERPINNING



## MT. AIRY (NC)



MT. AIRY - FLAMED



MT. AIRY – SPLIT FACE

## SIERRA WHITE (CA)



SIERRA WHITE - THERMAL



SIERRA WHITE – BUSH HAMMERED

## CARNELIAN (SD)

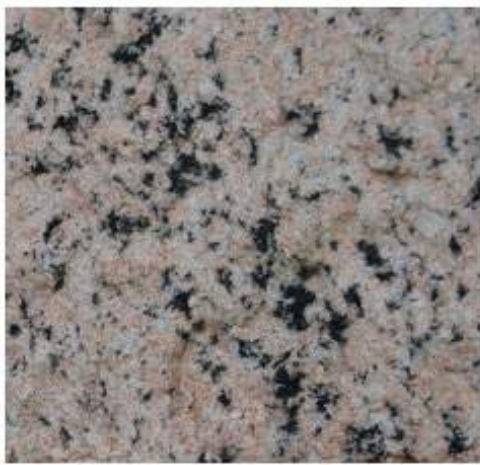


CARNELIAN - THERMAL



CARNELIAN – BUSH HAMMERED

## MILFORD PINK (MA)

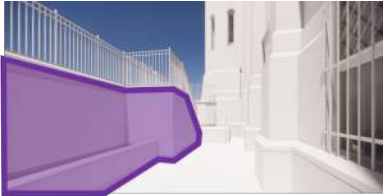


MILFORD PINK



# SMITHSONIAN INSTITUTION BUILDING (SIB)

**AREAWAYS** | PROPOSED FINISH MATERIALS  
ULTRA HIGH PERFORMANCE CONCRETE PANELS  
FOR NEW RETAINING WALLS



WHITE



LIGHT GRAY



RED



TERRACOTTA  
*REFERENCE COLOR, NOT PATTERN*



# SMITHSONIAN INSTITUTION BUILDING (SIB)

AREAWAYS | PROPOSED FINISH MATERIALS  
PAVERS & PRECAST TREADS

## PORCELAIN PAVERS



NANTUCKET



MANHATTAN



TURKISH WHITE

## ALTERNATIVE MATERIALS



SLATEFACE BLUESTONE PAVER



AGGREGATE PAVER



# SMITHSONIAN INSTITUTION BUILDING (SIB)

**AREAWAYS** | PROPOSED FINISH MATERIALS  
PEDESTAL PAVERS & PRECAST TREADS



## PRECAST TREADS



LIGHT GRAY



MEDIUM GRAY



# SMITHSONIAN INSTITUTION BUILDING (SIB)

AREAWAYS | PROPOSED FINISH MATERIALS  
VISUALIZATION – OPTION 1A, 1B



**OPTION 1A**  
WALL – UHPC (WHITE)

UNDERPINNING – MT. AIRY



**OPTION 1B**  
WALL – UHPC (GRAY)

UNDERPINNING – MT. AIRY





# SMITHSONIAN INSTITUTION BUILDING (SIB)

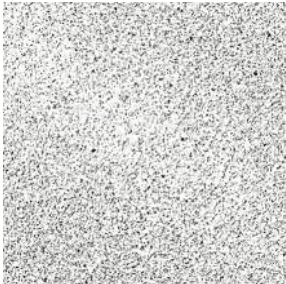
AREAWAYS | PROPOSED FINISH MATERIALS  
VISUALIZATION – OPTION 2A, 2B



**OPTION 2A**  
WALL – UHPC (WHITE)



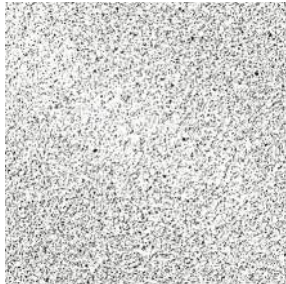
UNDERPINNING – SIERRA WHITE



**OPTION 2B**  
WALL – UHPC (GRAY)



UNDERPINNING – SIERRA WHITE



# SMITHSONIAN INSTITUTION BUILDING (SIB)

AREAWAYS | PROPOSED FINISH MATERIALS  
VISUALIZATION – OPTION 3A, 3B



**OPTION 3A**  
WALL – UHPC (WHITE)



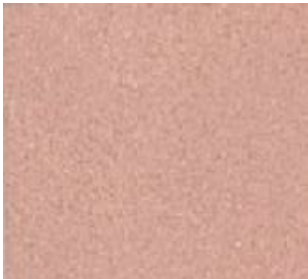
UNDERPINNING – CARNELIAN



CARNELIAN W. SANDSTONE



**OPTION 3B**  
WALL – UHPC (RED/TERRACOTTA)



UNDERPINNING – CARNELIAN

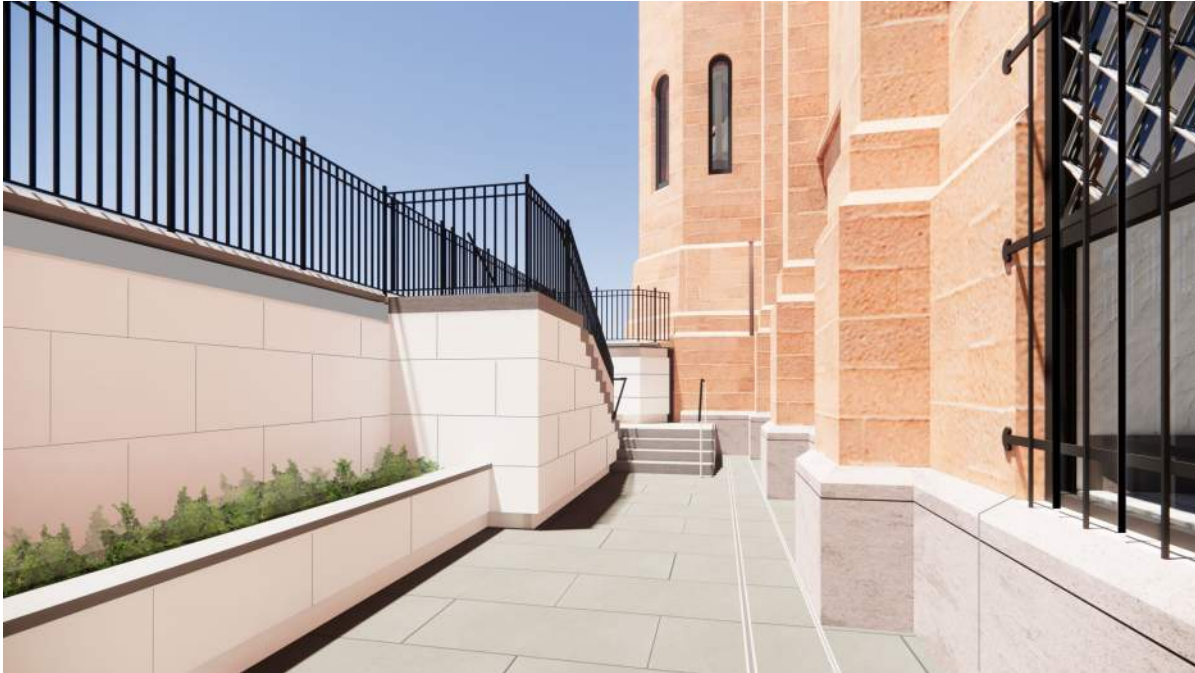


CARNELIAN W. SANDSTONE



# SMITHSONIAN INSTITUTION BUILDING (SIB)

AREAWAYS | PROPOSED FINISH MATERIALS  
VISUALIZATION – OPTION 4A, 4B



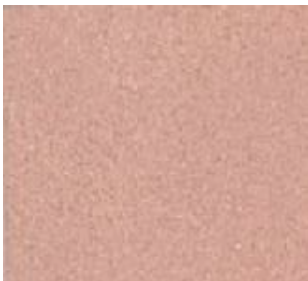
**OPTION 4A**  
WALL – UHPC (WHITE)



UNDERPINNING – MILFORD PINK



**OPTION 4B**  
WALL – UHPC (RED/TERRACOTTA)



UNDERPINNING – MILFORD PINK





# EXTERIOR LIGHTING

# SMITHSONIAN INSTITUTION BUILDING (SIB)

**NORTH FACADE** | EXTERIOR LIGHTING  
EXISTING - NIGHTTIME IMAGES



NORTH ENTRANCE - JEFFERSON



SOUTH ENTRANCE – HAUPT GARDEN



# SMITHSONIAN INSTITUTION BUILDING (SIB)

**SOUTH MALL | EXTERIOR LIGHTING**  
EXISTING - EVENING IMAGES



NATIONAL MUSEUM OF THE AMERICAN INDIAN



HIRSHHORN MUSEUM



NATIONAL MUSEUM OF AFRICAN AMERICAN HISTORY AND CULTURE



NATIONAL GALLERY OF ART - WEST

# SMITHSONIAN INSTITUTION BUILDING (SIB)

**FACADE** | EXTERIOR LIGHTING  
EXISTING - RECOMMENDATIONS

## OVERALL RECOMMENDATIONS

- Give SIB its deserved presence in the nightscape of the Mall
- Differentiate the spaces through contrast ratios: Greater uniformity or lower contrast ratio on Jefferson Drive while designing the Gardens for a slightly more dramatic experience to accentuate the nature of a private garden.
- Improve nighttime pedestrian safety
- Meet applicable agency policies and design guidelines
  - Energy-efficiency and NCPC Dark Sky compliance
  - Illuminating Engineering Society of North America Recommended Levels Roadway & Exterior Environments

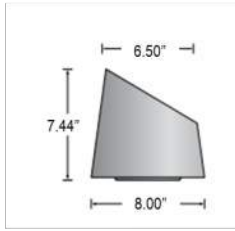


EAST ENTRANCE – JEFFERSON DRIVE

# SMITHSONIAN INSTITUTION BUILDING (SIB)

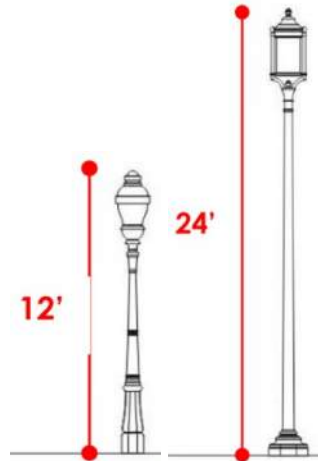
## LANDSCAPE LIGHTING | VICTORIAN POLE RECREATION PROPOSED - PLAN

- The facade and landscape lighting equipment will be minimally obtrusive and compact.
- Façade Accents will be in an above ground housing that, while minimally invasive, will house different optics to create the desired effects.



①

BUILDING  
UPLIGHT



②

VICTORIAN  
POLE

③

OLMSTED  
FIXTURE













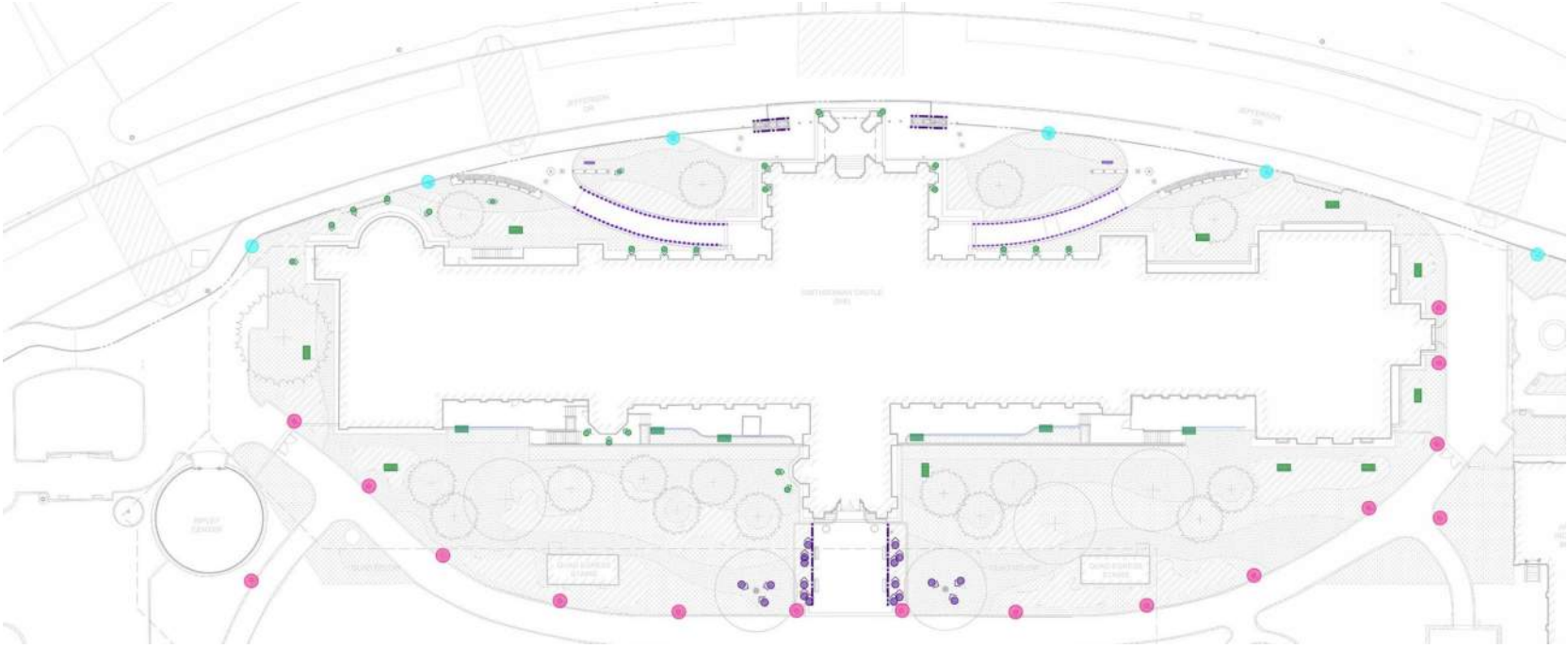
DIAGRAMMATIC LIGHTING SECTION



# SMITHSONIAN INSTITUTION BUILDING (SIB)

## LANDSCAPE AND FAÇADE LIGHTING | PROPOSED - PLAN

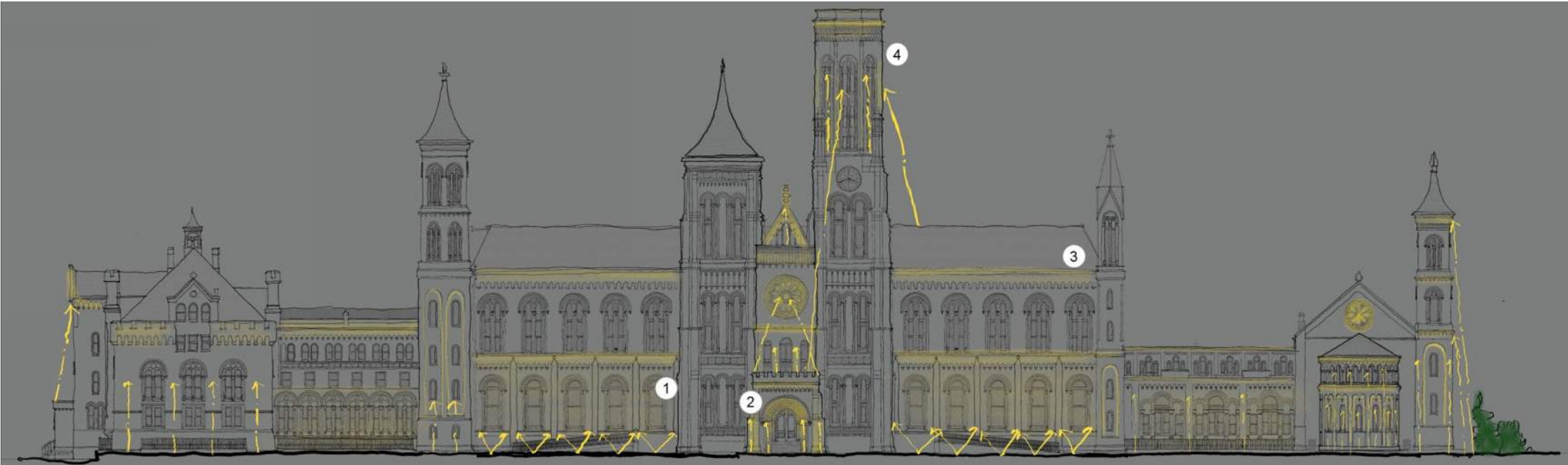
-  Facade Lighting – Soft Washers
-  Facade Lighting – Accents
-  Facade Lighting – Tower Lighting
-  Facade Lighting – Areaways
-  New Victorian Poles
-  New Olmsted Poles
-  Tree / Foliage Accepts
-  Handrail Light
-  Toekick Light
-  Sign Lighting



OVERALL SITE AND LANDSCAPE PLAN

# SMITHSONIAN INSTITUTION BUILDING (SIB)

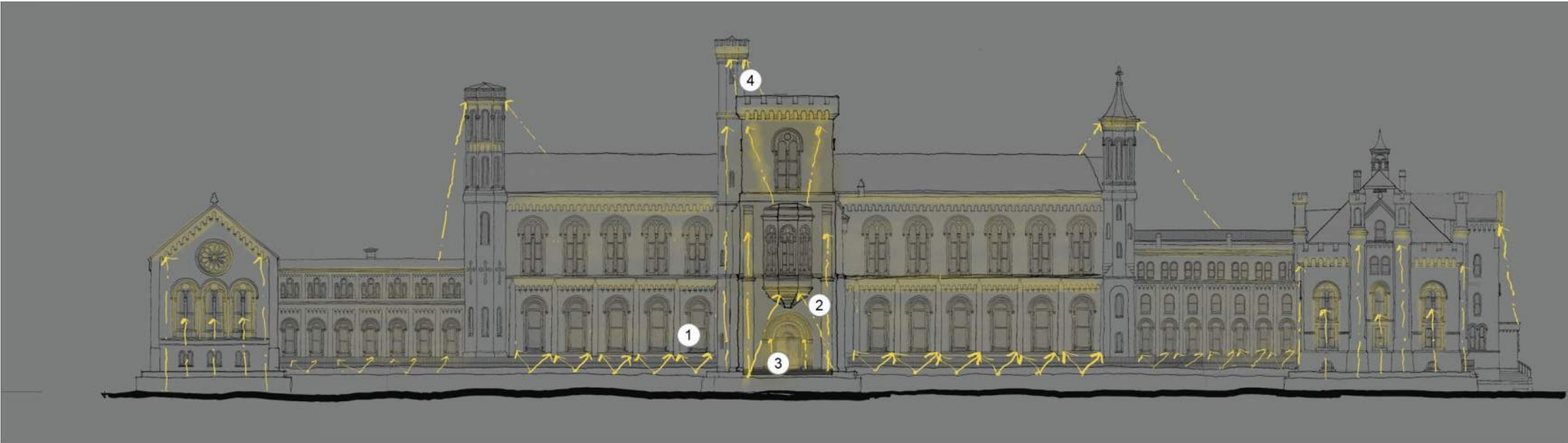
## FAÇADE LIGHTING | NORTH FAÇADE



NORTH FAÇADE

# SMITHSONIAN INSTITUTION BUILDING (SIB)

## FAÇADE LIGHTING | SOUTH FACADE



SOUTH FACADE



EAST FACADE



WEST FACADE



# SMITHSONIAN INSTITUTION BUILDING (SIB)

LANDSCAPE AND FAÇADE LIGHTING | PROPOSED - RENDERING



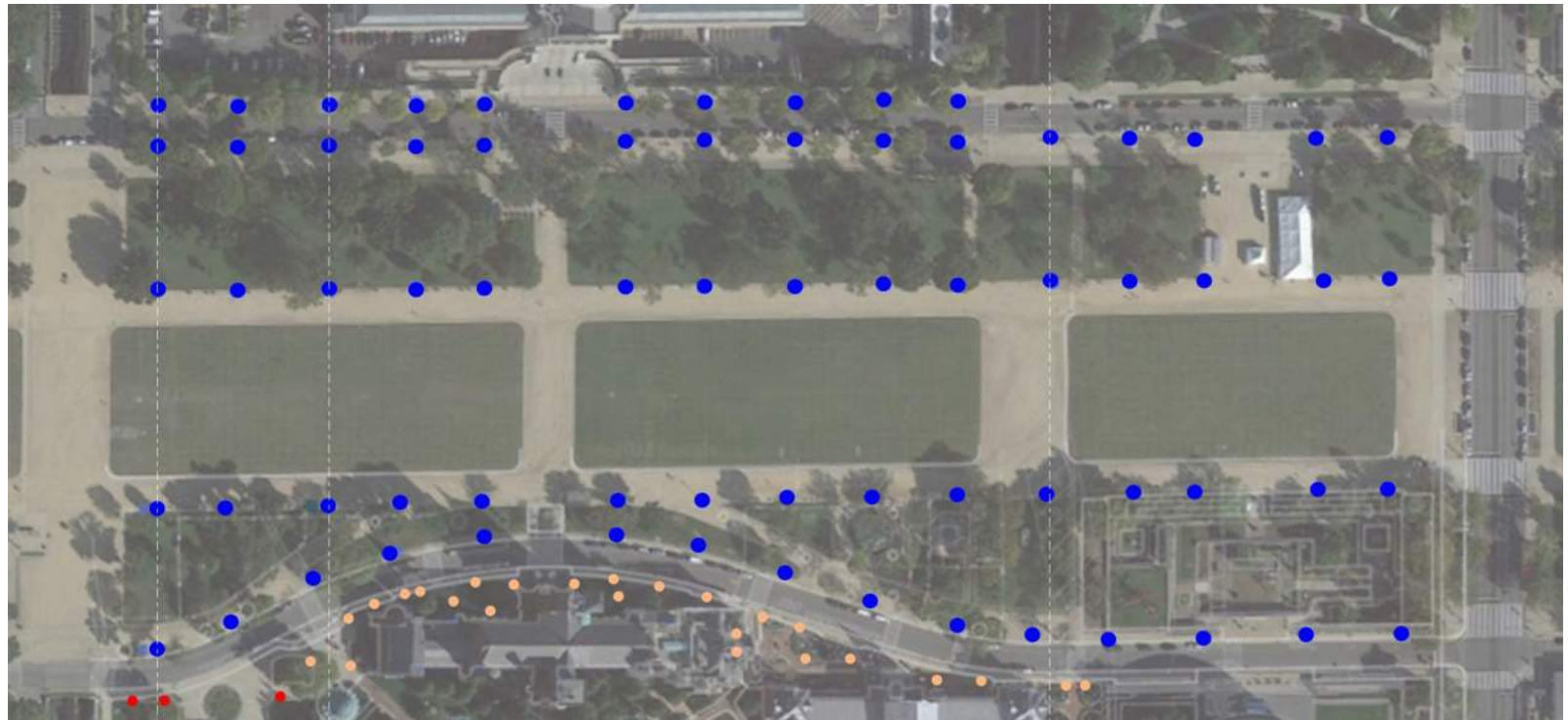
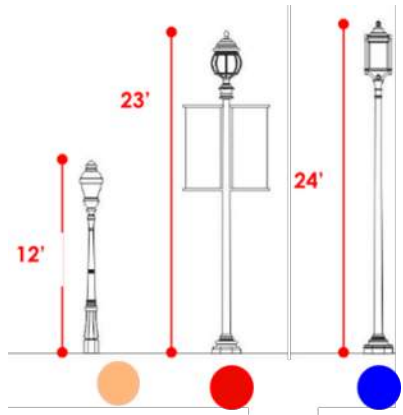
# SMITHSONIAN INSTITUTION BUILDING (SIB)

VIEW OF MALL | MADISON + JEFFERSON DRIVE SURVEY  
EXISTING - AERIAL VIEW

- Existing Olmsted Pole
- Freer Gallery Pole
- Victorian Lamp Post



NORTH FACADE | EXISTING OLMSTED FIXTURE

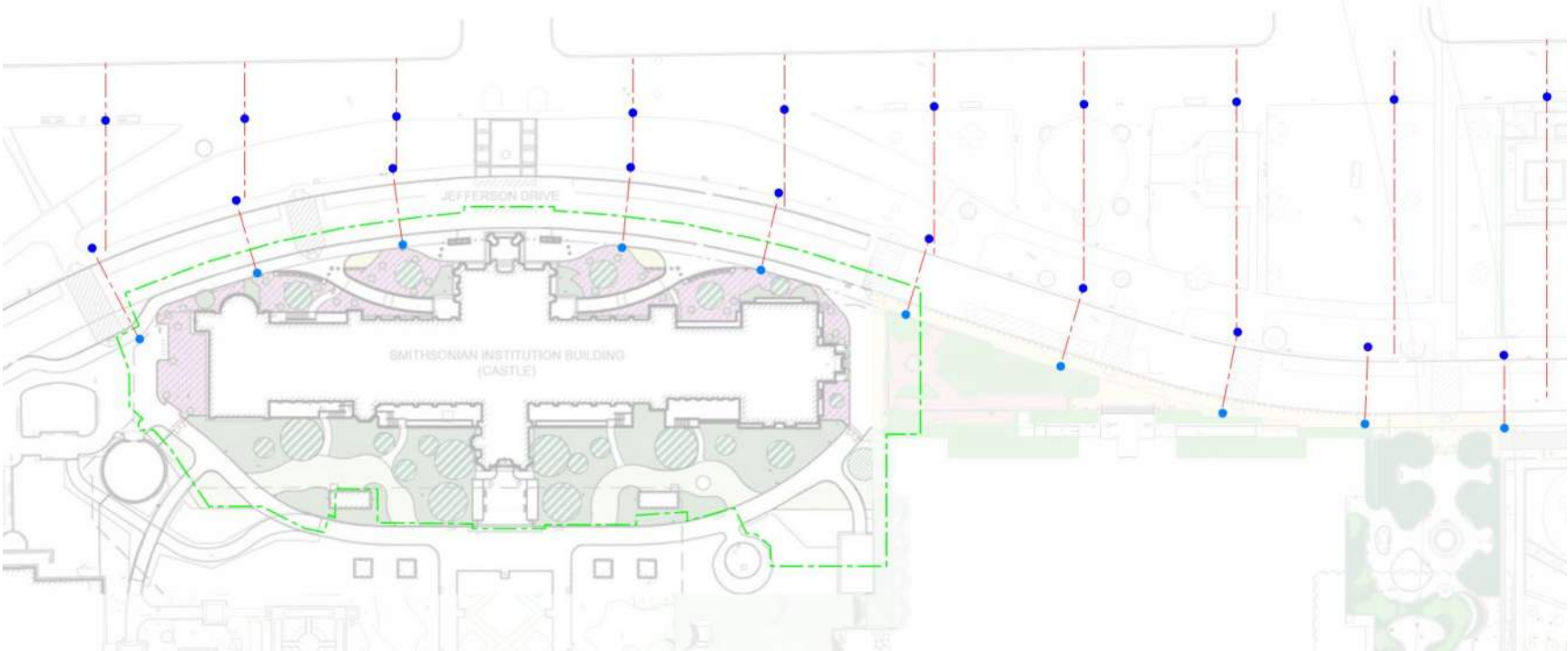
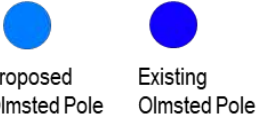
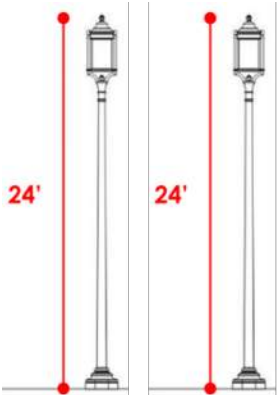


EXISTING MADISON + JEFFERSON DRIVE SURVEY

# SMITHSONIAN INSTITUTION BUILDING (SIB)

## NORTH FACADE | INTRODUCTION OF OLMSTED POLE PROPOSED - ALIGNED RADIAL POLE OPTION

- The proposed Olmsted Pole location runs in relation to the natural curve of Jefferson Drive.
- Maintains formality of mall



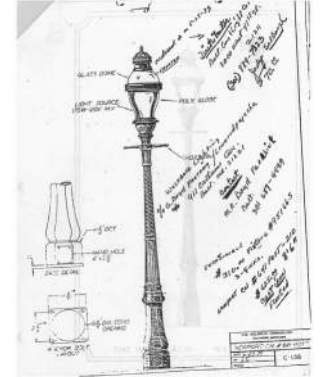
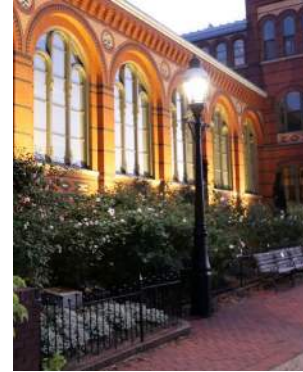
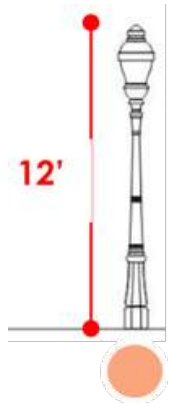
ALIGNED RADIAL POLE OPTION



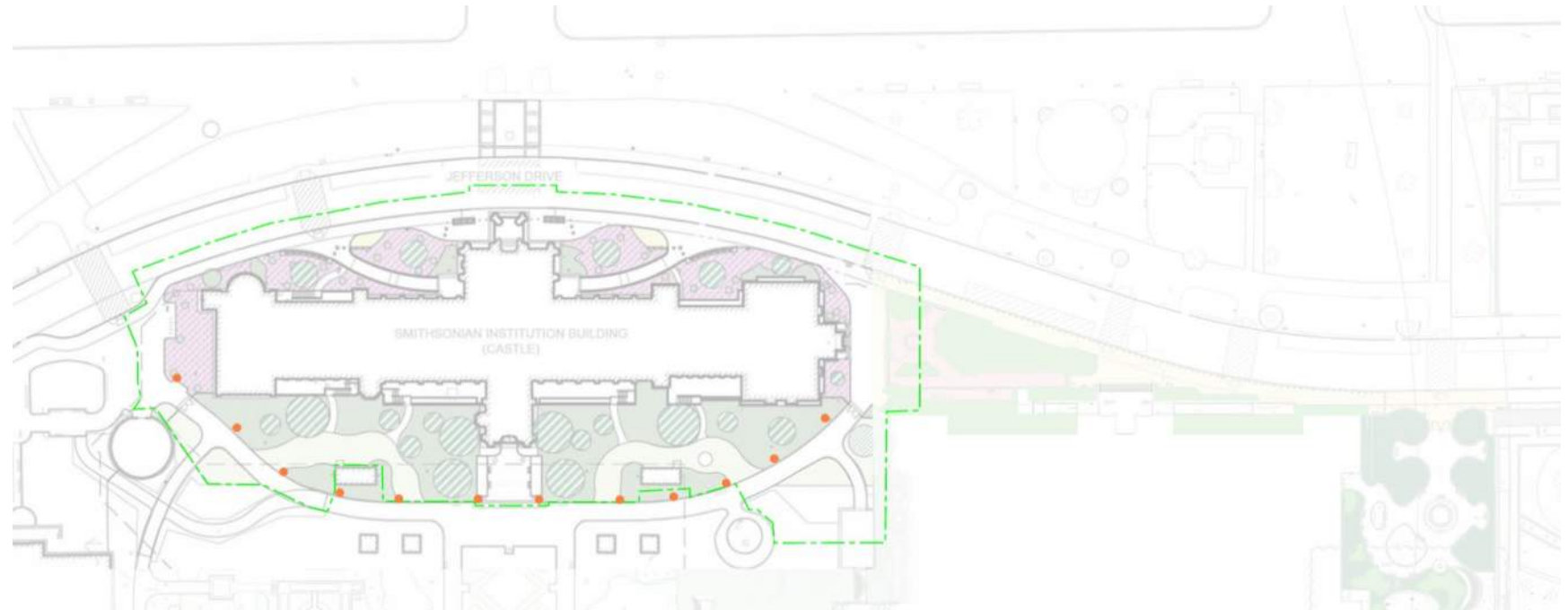
# SMITHSONIAN INSTITUTION BUILDING (SIB)

## SOUTH FACADE | VICTORIAN POLE RECREATION PROPOSED - PLAN

- The proposed Victorian Pole locations are on the South side - Haupt Garden



SOUTH FACADE | EXISTING VICTORIAN POLES



PROPOSED VICTORIAN POLE LOCATION

# SMITHSONIAN INSTITUTION BUILDING (SIB)

## NORTH FACADE | EXTERIOR LIGHTING CONTROL - SCENES



Through the control system we meet the desired dark sky considerations and preserve the building's presence in the nighttime Mall.



During the late evening hours (exact hours TBD)

After several hours, the visual impact of this city icon should be perceived but not be overwhelming.



Late Night to dawn

Standing as a Good neighbor to the Washington Mall and an environmental steward, the facade lighting from late night until dawn will be turned off.



# Questions or Comments

## MODERATOR

**Carly Bond**, Historic Preservation Specialist

## PRESENTERS / PANELISTS

**Christopher Lethbridge**, Architect/Program Manager

**Lauren Brandes**, RLA, ASLA, Smithsonian Gardens

**Matthew Chalifoux**, FAIA, Sr. Historic Preservation Architect, EYP-Loring, LLC

**Anthony Bochicchio**, AIA, Project Manager, EYP-Loring, LLC

**Matthew Traucht**, Associate, RHI (Rhodeside and Harwell)

**Phuong Nguyen**, SEGD, AIGA, Lead Experiential Graphic Designer, EYP-Loring, LLC

**David Ghatan**, FIALD, CLD, MIES, President, CM Kling + Associates



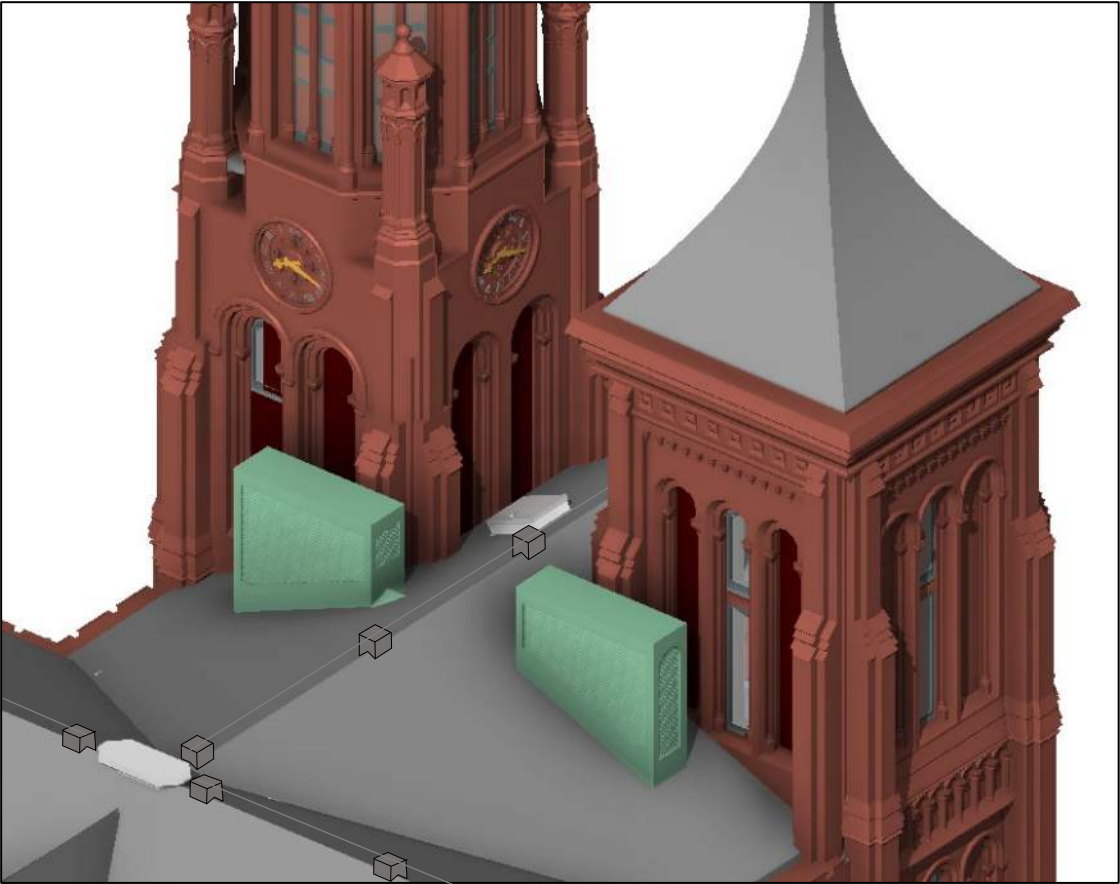


# **RESOLUTION OF PENDING ITEMS**

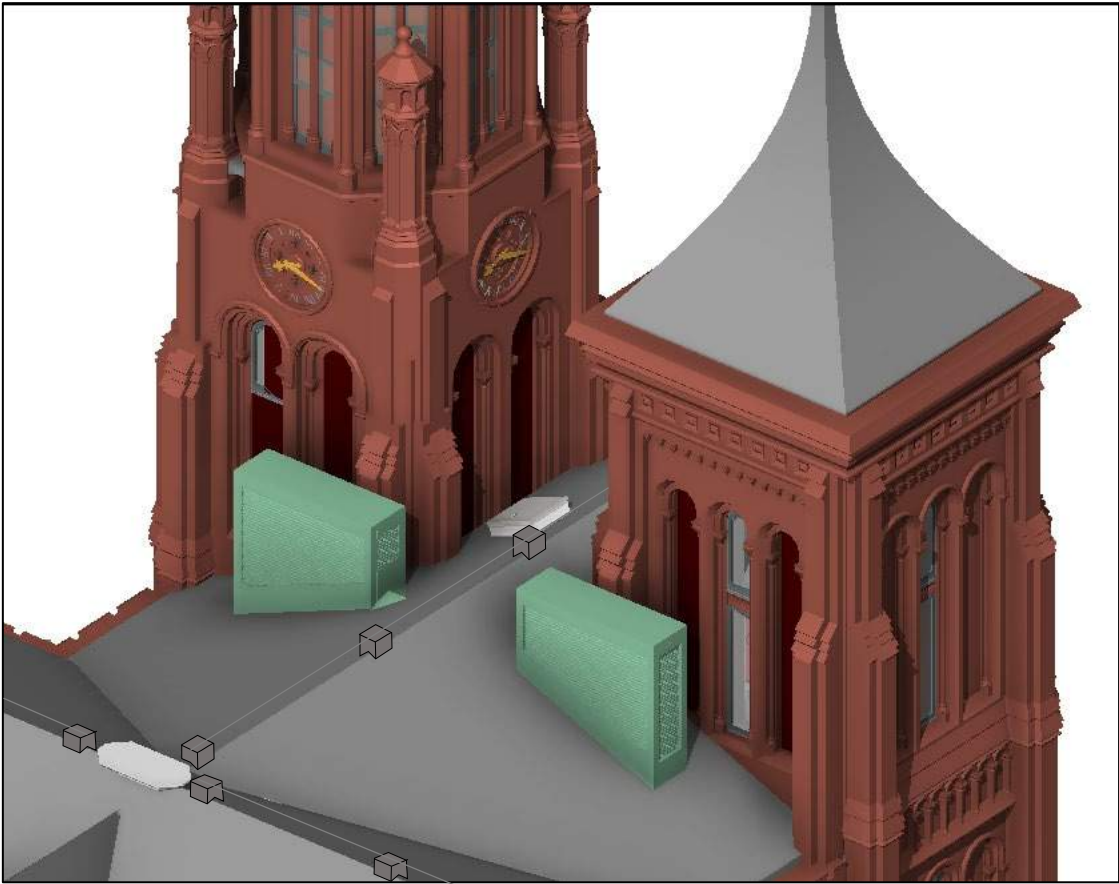
## **North/Flag Tower Penthouses**

# SMITHSONIAN INSTITUTION BUILDING (SIB)

NORTH/FLAG TOWER PENTHOUSES | MAIN BUILDING  
VISUALIZATION



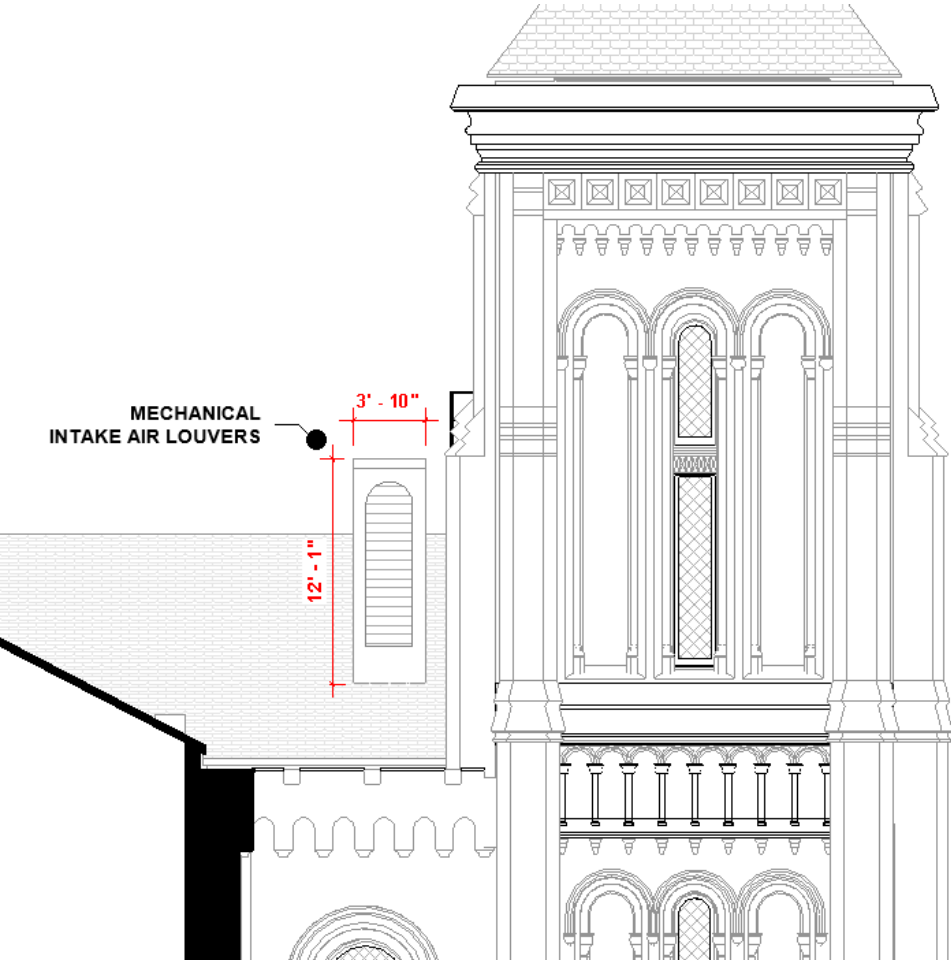
**MECHANICAL PENTHOUSE – OPTION A**  
ARCHED OPENING (PRESENTED CP12)  
NARROW DESIGN, CLOSER TO RIDGE, LEAST VISIBILITY



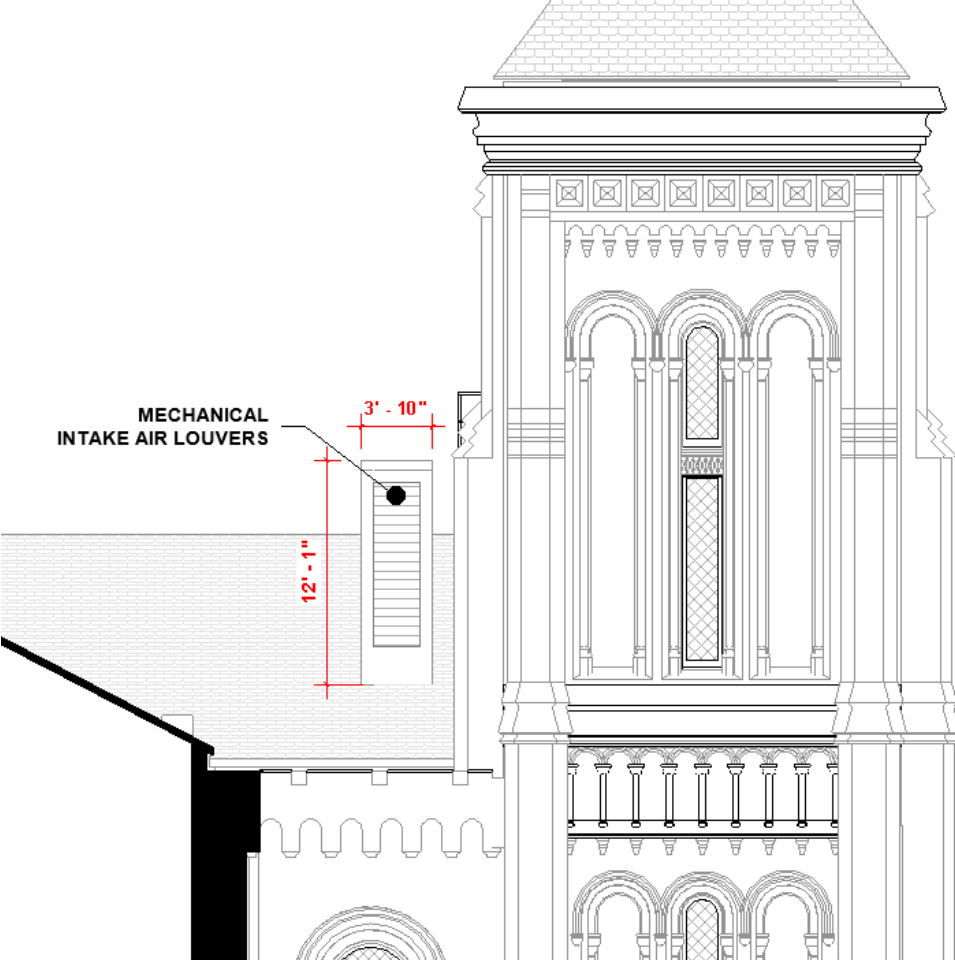
**MECHANICAL PENTHOUSE – OPTION B**  
RECTANGULAR OPENING (PRESENTED CP12)  
NARROW DESIGN, CLOSER TO RIDGE, LEAST VISIBILITY

# SMITHSONIAN INSTITUTION BUILDING (SIB)

## NORTH/FLAG TOWER PENTHOUSES | MAIN BUILDING ELEVATIONS



**MECHANICAL PENTHOUSE – OPTION A**  
ARCHED OPENING (PRESENTED CP12)  
NARROW DESIGN, CLOSER TO RIDGE, LEAST VISIBILITY

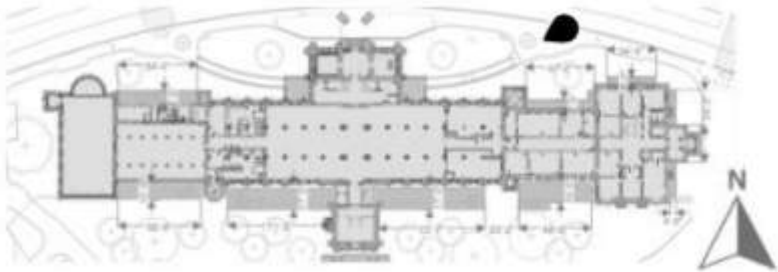


**MECHANICAL PENTHOUSE – OPTION B**  
RECTANGULAR OPENING (PRESENTED CP12)  
NARROW DESIGN, CLOSER TO RIDGE, LEAST VISIBILITY



# SMITHSONIAN INSTITUTION BUILDING (SIB)

**NORTH/FLAG TOWER PENTHOUSES** | MAIN BUILDING  
VISUALIZATION  
*OPTION A* (PRESENTED CP12)



EXISTING VIEW FROM PATH



4 months



PROPOSED VIEW FROM PATH



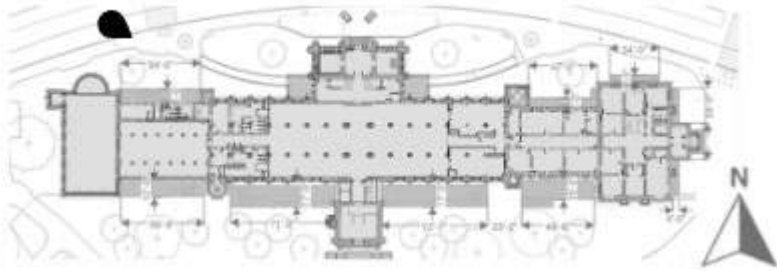
25-30 years



PROPOSED VIEW FROM PATH

# SMITHSONIAN INSTITUTION BUILDING (SIB)

**NORTH/FLAG TOWER PENTHOUSES** | MAIN BUILDING  
VISUALIZATION  
OPTION A (PRESENTED CP12)



EXISTING VIEW FROM PATH



4 months



PROPOSED VIEW FROM PATH



25-30 years

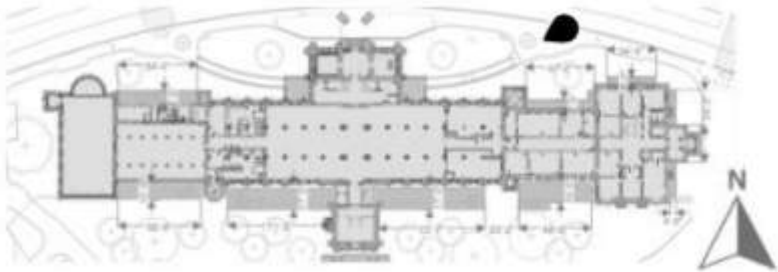


PROPOSED VIEW FROM PATH



# SMITHSONIAN INSTITUTION BUILDING (SIB)

**NORTH/FLAG TOWER PENTHOUSES** | MAIN BUILDING  
VISUALIZATION  
*OPTION B* (PRESENTED CP12)



EXISTING VIEW FROM PATH



4 months



PROPOSED VIEW FROM PATH



25-30 years

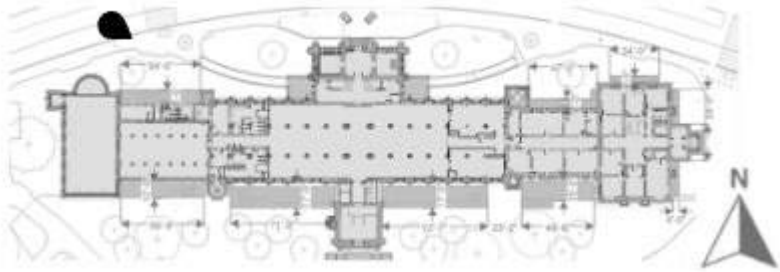


PROPOSED VIEW FROM PATH



# SMITHSONIAN INSTITUTION BUILDING (SIB)

**NORTH/FLAG TOWER PENTHOUSES** | MAIN BUILDING  
VISUALIZATION  
*OPTION B* (PRESENTED CP12)



EXISTING VIEW FROM PATH



4 months



PROPOSED VIEW FROM PATH



25-30 years

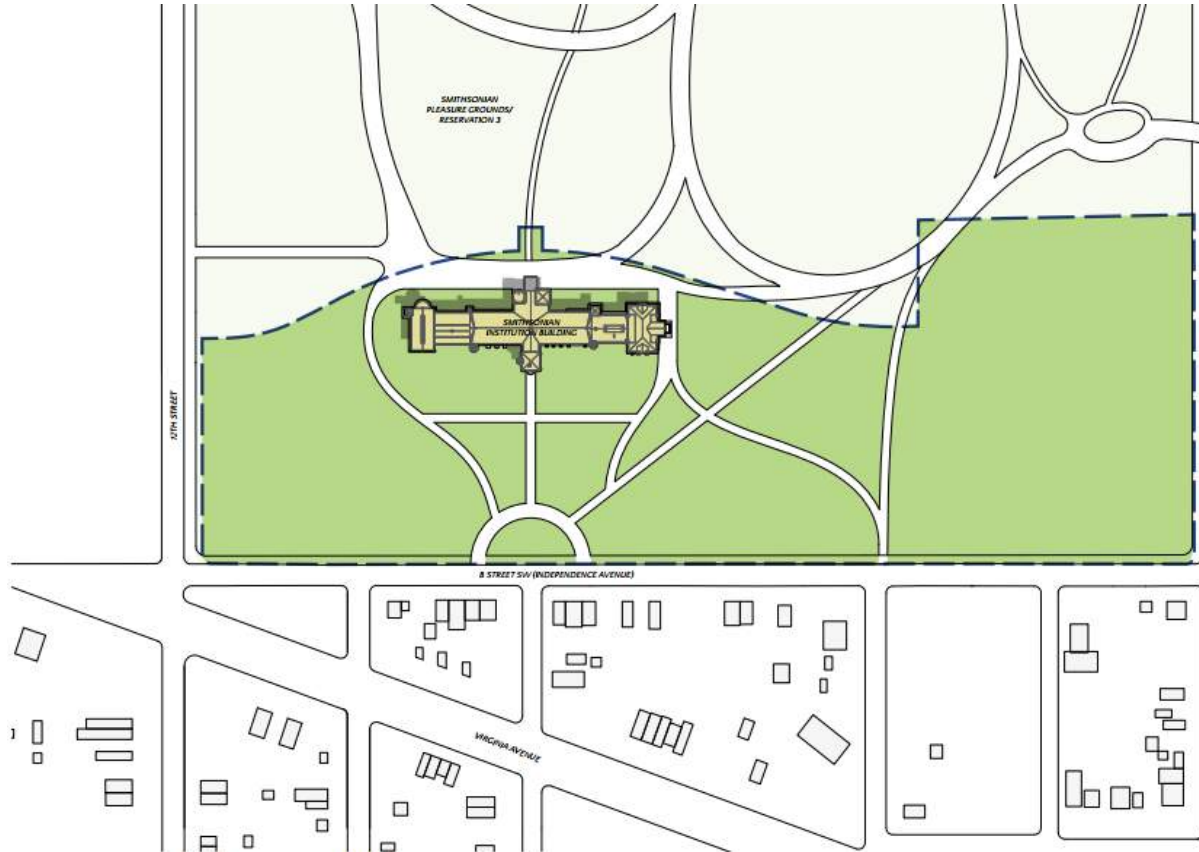


PROPOSED VIEW FROM PATH

# **RESOLUTION OF PENDING ITEMS**

## **South Entry Plan**

# South Entrance Historic Conditions



Landscape Evolution Diagram 1856

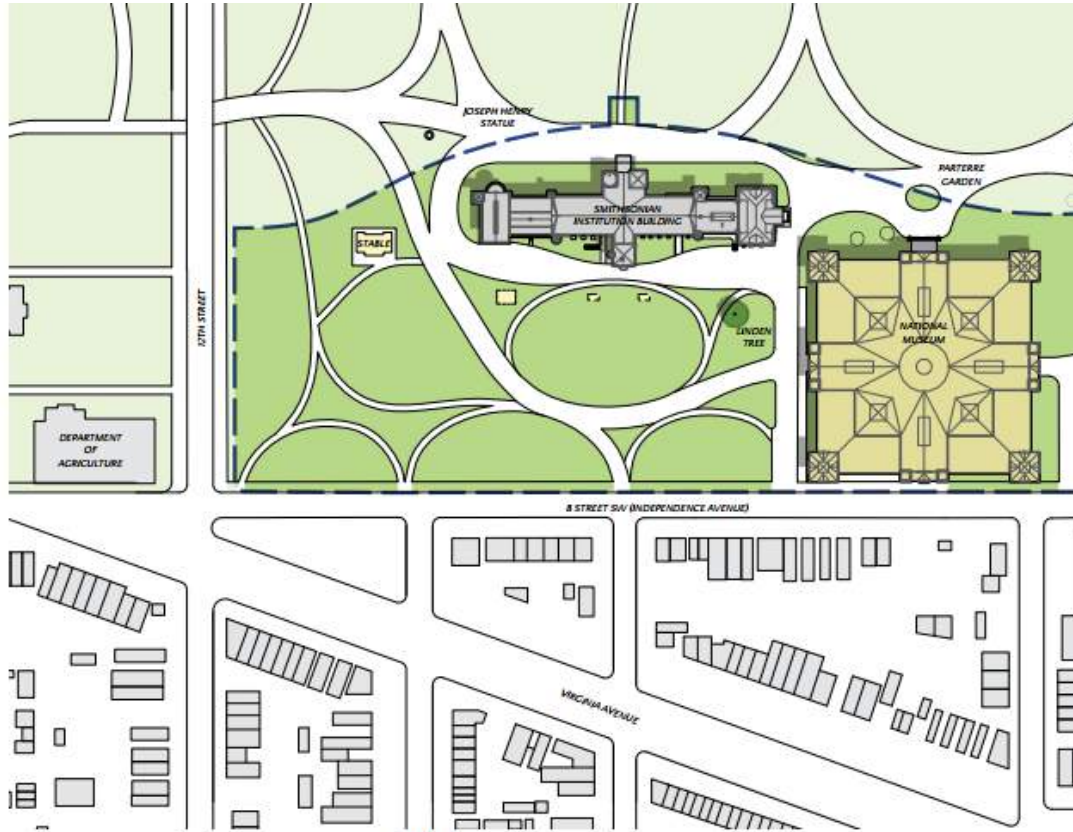
FROM SOUTH MALL CULTURAL LANDSCAPE REPORT



SOUTH TOWER AND SOUTH YARD, 1860



# South Entrance Historic Conditions



Landscape Evolution Diagram **1887**

FROM SOUTH MALL CULTURAL LANDSCAPE REPORT



SOUTH ELEVATION AND SOUTH YARD, 1880

# South Entrance Historic Conditions



Landscape Evolution Diagram 1936

FROM SOUTH MALL CULTURAL LANDSCAPE REPORT



SOUTH ELEVATION AND SOUTH YARD, 1909



# South Entrance Historic Conditions



Landscape Evolution Diagram **1988**

FROM SOUTH MALL CULTURAL LANDSCAPE REPORT



SOUTH ELEVATION AND SOUTH YARD, 1987

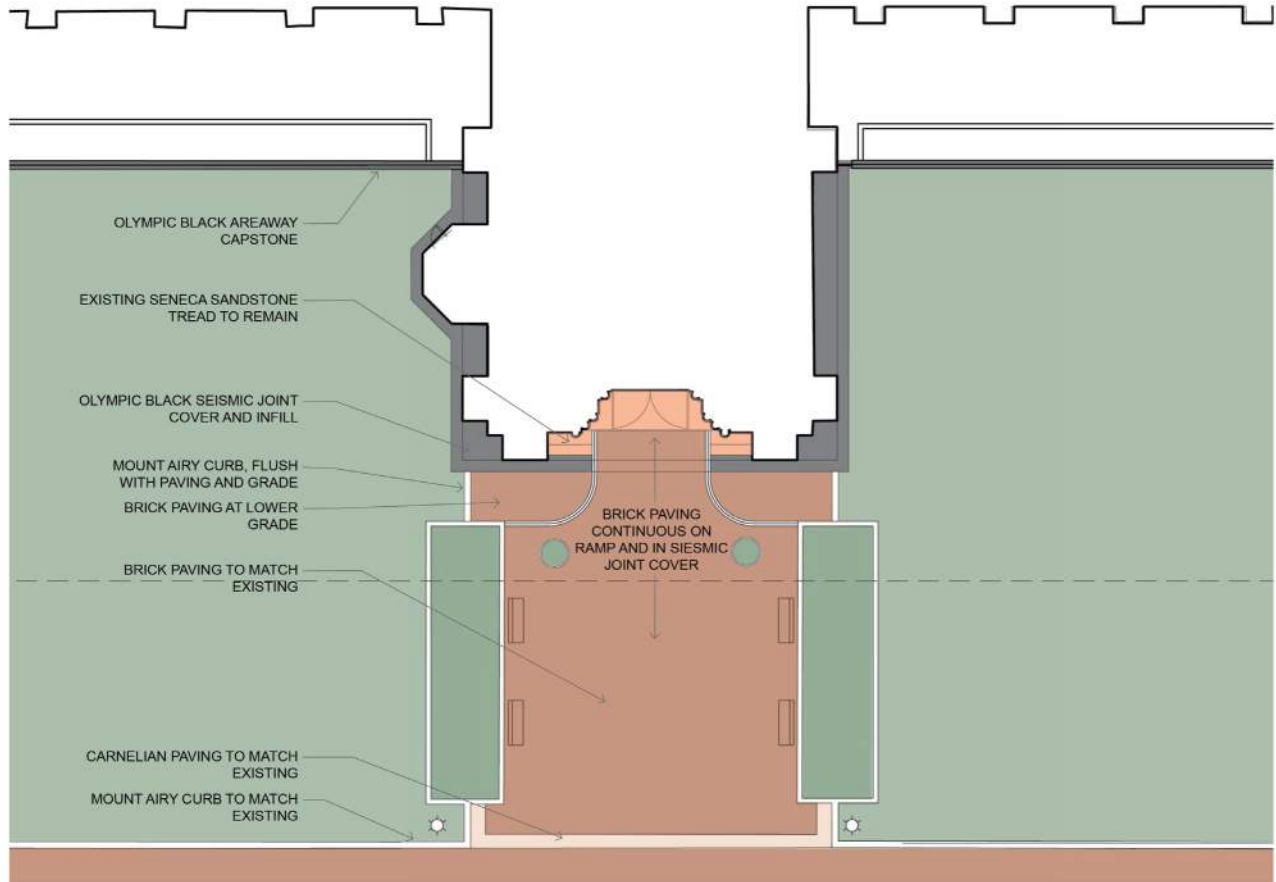


# SMITHSONIAN INSTITUTION BUILDING (SIB)

## SIB SOUTH ENTRANCE | PAVING MATERIAL

### OPTION A – OLYMPIC BLACK SEISMIC JOINT COVER AND BRICK PAVING

\*PREFERRED OPTION



OLYMPIC BLACK



CARNELIAN\* AND HAUPT BRICK



MOUNT AIRY



SENECA SANDSTONE FACADE

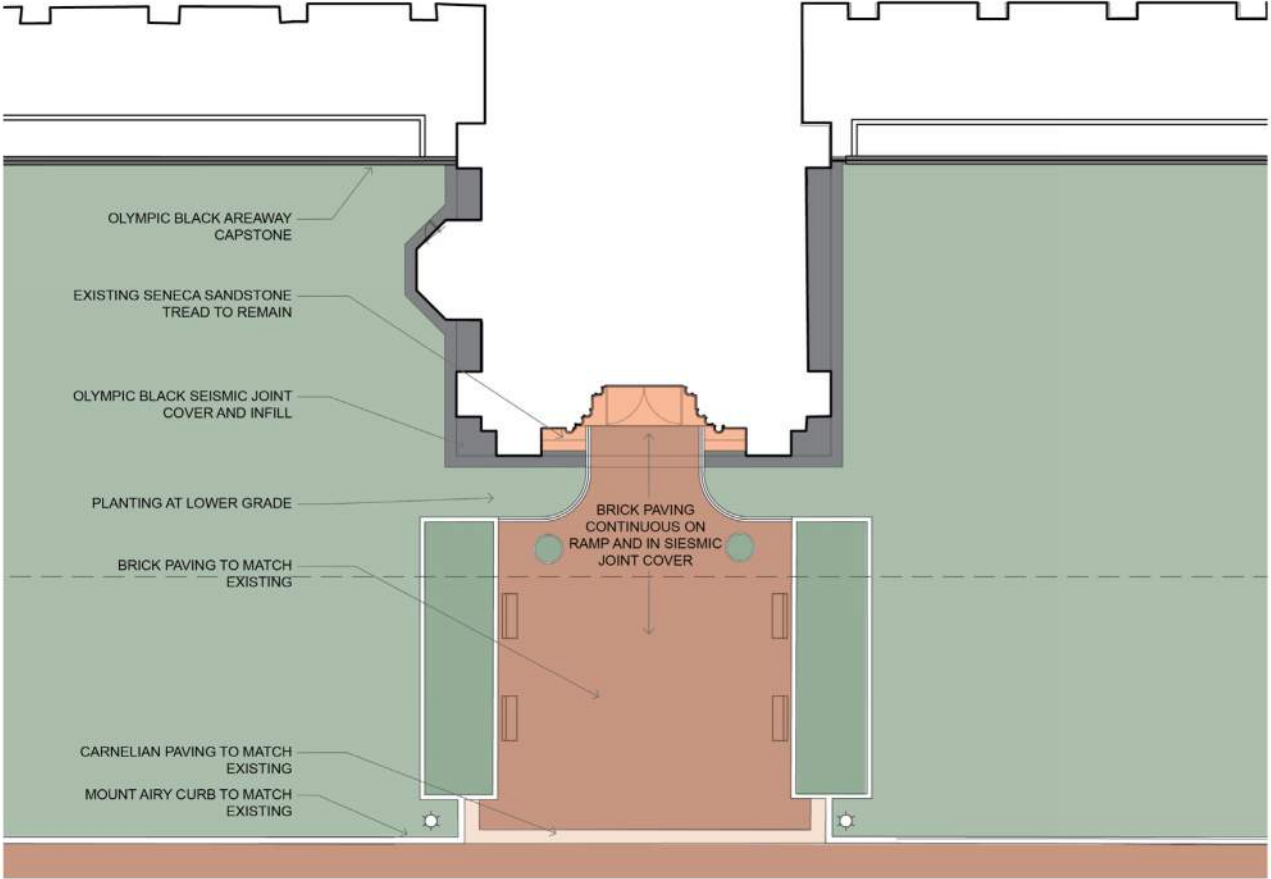


SENECA SANDSTONE STEP

# SMITHSONIAN INSTITUTION BUILDING (SIB)

## SIB SOUTH ENTRANCE | PAVING MATERIAL

### OPTION B – OLYMPIC BLACK SEISMIC JOINT COVER AND PLANTED AREA



OLYMPIC BLACK



CARNELIAN\* AND HAUPT BRICK



MOUNT AIRY



SENECA SANDSTONE FACADE



SENECA SANDSTONE STEP

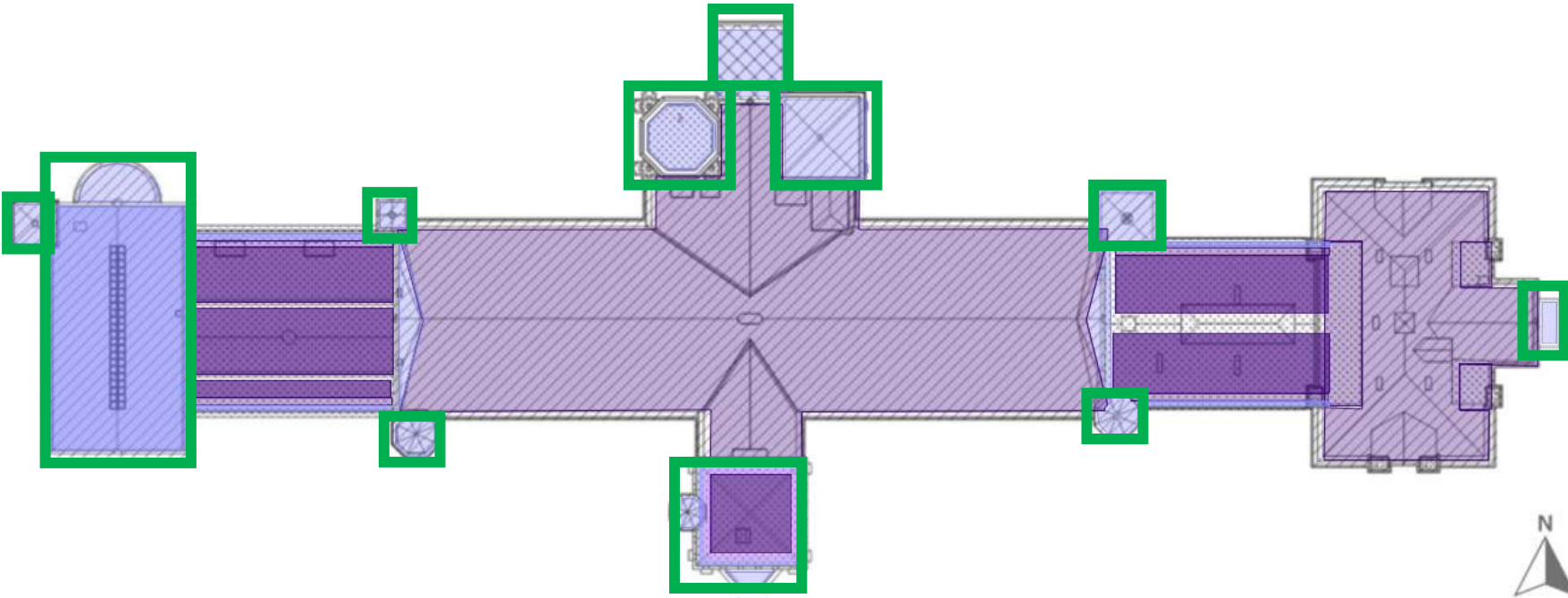
# **RESOLUTION OF PENDING ITEMS**

## **Roof Dimensional Changes**



# SMITHSONIAN INSTITUTION BUILDING (SIB)

ROOFING | PROPOSED  
THICKNESS VISUALIZATION



### LEGEND

#### Roofing Type

- Modified-Bitumen Roofing
- Slate Roofing
- Copper Roofing

- < 1 in. Net Increase in Roof Thickness
- > 1 in. and < 3 in. Net Increase in Roof Thickness
- > 3 in. and < 5 in. Net Increase in Roof Thickness
- 5 in. Net Increase in Roof Thickness
- No Impact to Existing Thickness/Edge Detail Which Would be Visible from Grade

# SMITHSONIAN INSTITUTION BUILDING (SIB)

ROOF DIMENSIONAL CHANGES | EXISTING  
VISUALIZATION



EXISTING ROOF THICKNESS



# SMITHSONIAN INSTITUTION BUILDING (SIB)

ROOF DIMENSIONAL CHANGES | PROPOSED  
VISUALIZATION

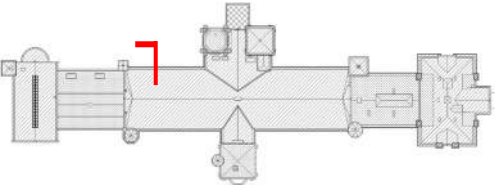


PROPOSED INCREASE IN ROOF THICKNESS (+4.75")



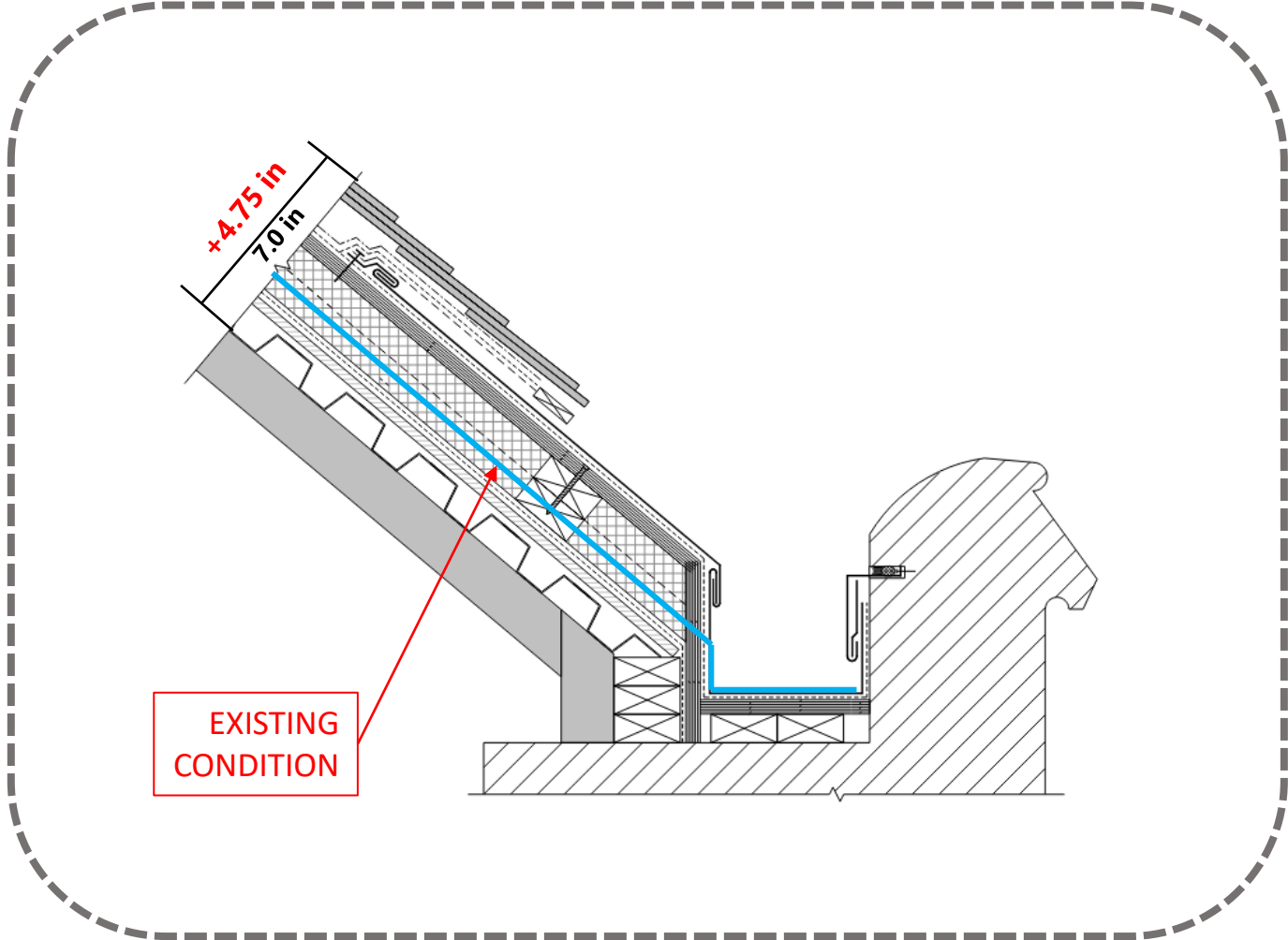
# SMITHSONIAN INSTITUTION BUILDING (SIB)

ROOF | PROPOSED  
DIMENSIONAL CHANGE TO ACCOMMODATE INSULATION



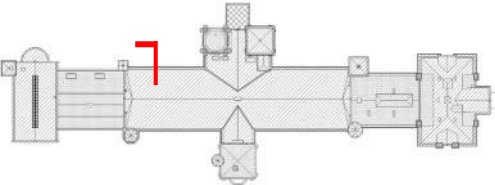
MAIN HALL – NORTH ELEVATION ROOF LOOKING WEST

## GREAT HALL ROOF



# SMITHSONIAN INSTITUTION BUILDING (SIB)

ROOF | PROPOSED  
DIMENSIONAL CHANGE TO ACCOMMODATE INSULATION



MAIN HALL ROOF  
EXISTING



MAIN HALL ROOF  
**PROPOSED (+4.75")**



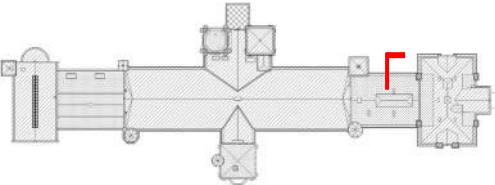
EXISTING

**PROPOSED (+4.75")**

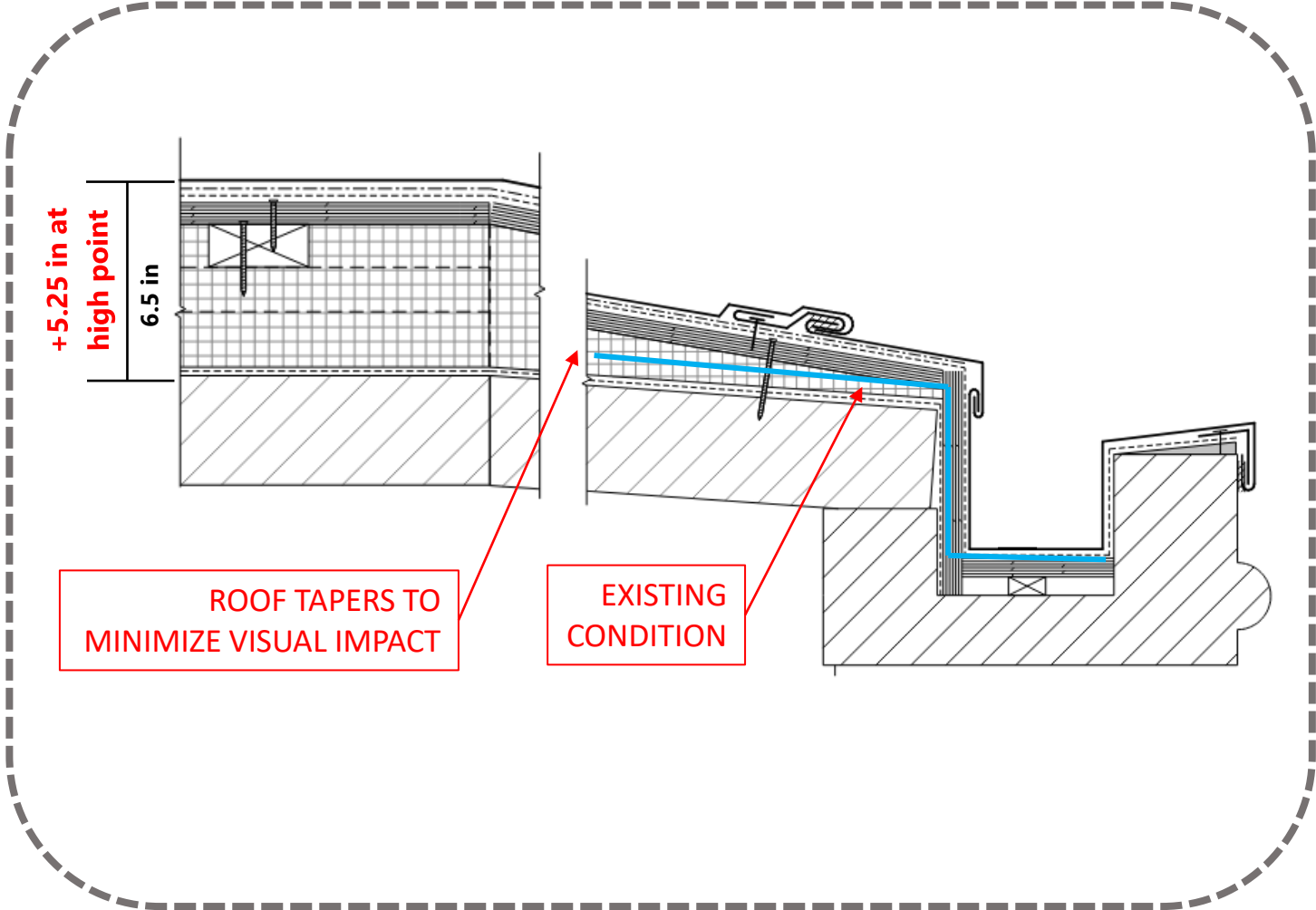


# SMITHSONIAN INSTITUTION BUILDING (SIB)

ROOF | PROPOSED  
DIMENSIONAL CHANGE TO ACCOMMODATE INSULATION



## EAST RANGE ROOF

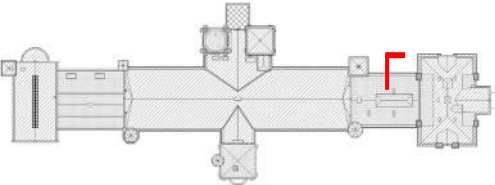


EAST RANGE – ROOF LOOKING NORTHEAST



# SMITHSONIAN INSTITUTION BUILDING (SIB)

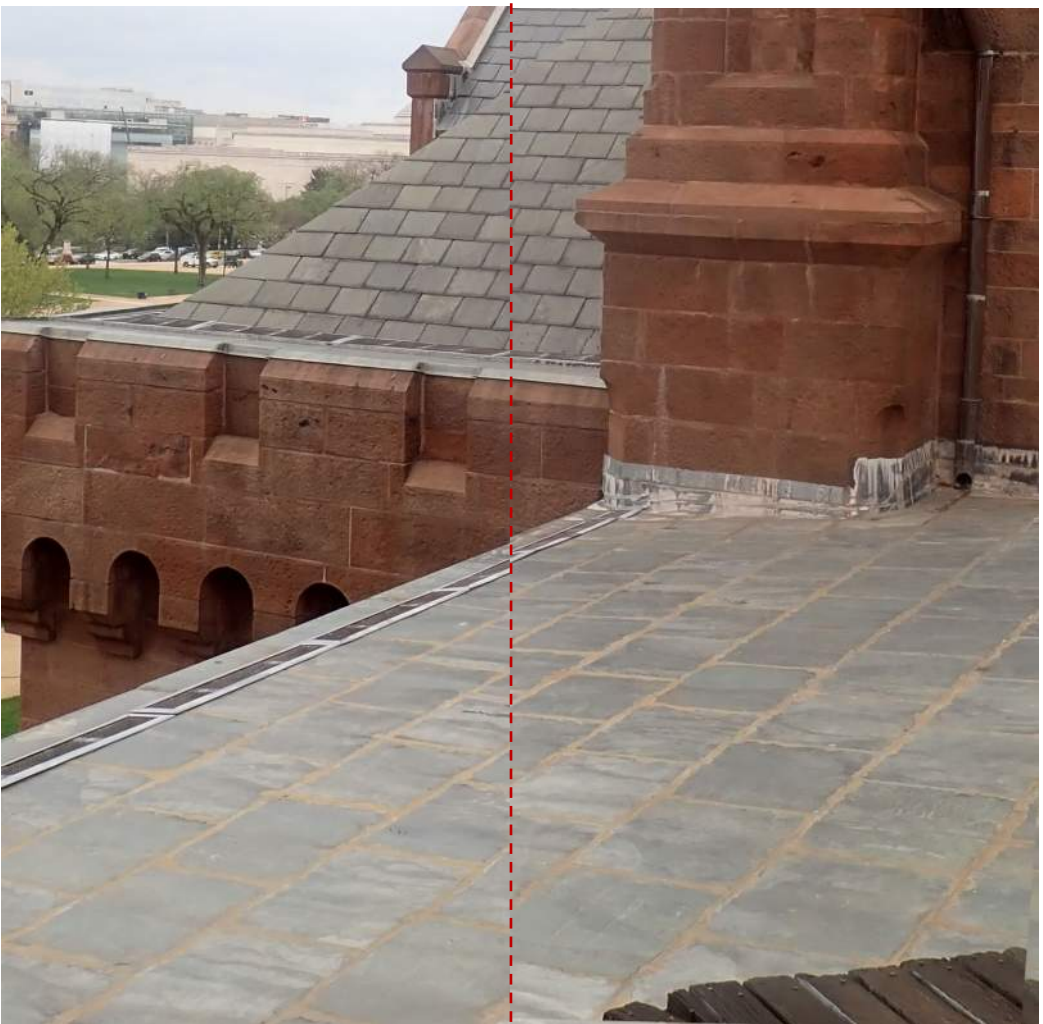
ROOF | PROPOSED  
DIMENSIONAL CHANGE TO ACCOMMODATE INSULATION



EAST RANGE & EAST WING ROOF  
EXISTING



EAST RANGE & EAST WING ROOF  
**PROPOSED** (TAPER TO +5.25")



EXISTING

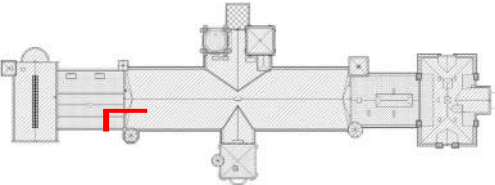
**PROPOSED** (TAPER TO +5.25")

# SMITHSONIAN INSTITUTION BUILDING (SIB)

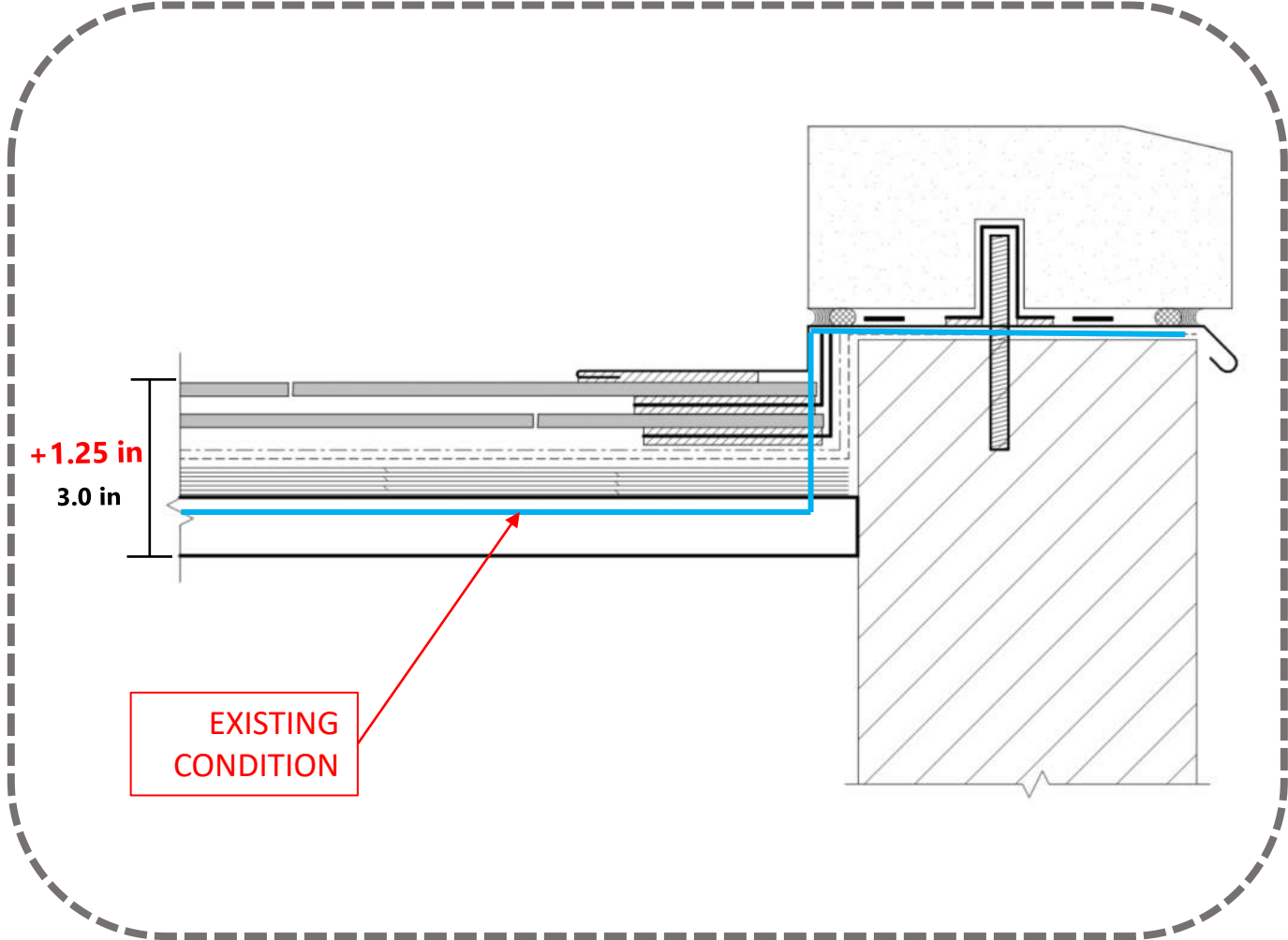
ROOF | PROPOSED  
DIMENSIONAL CHANGE TO ACCOMMODATE INSULATION



MAIN HALL – WEST END OF NORTH ELEVATION ROOF



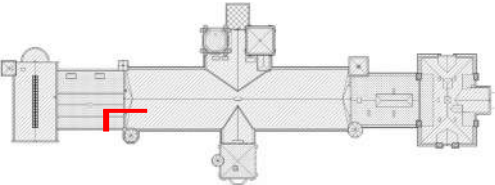
## GREAT HALL ROOF





# SMITHSONIAN INSTITUTION BUILDING (SIB)

**ROOF** | PROPOSED  
DIMENSIONAL CHANGE TO ACCOMMODATE INSULATION



MAIN HALL – WEST END  
EXISTING



MAIN HALL – WEST END  
**PROPOSED** (+1.25" – 4.75")



**PROPOSED** (+1.25" – 4.75")      EXISTING



# SMITHSONIAN INSTITUTION BUILDING (SIB)

ROOF FALL PROTECTION | PROPOSED (WITHOUT FALL PROTECTION)  
VISUALIZATION



PROPOSED INCREASE IN ROOF THICKNESS (+4.75")

# SMITHSONIAN INSTITUTION BUILDING (SIB)

ROOF FALL PROTECTION | PROPOSED  
VISUALIZATION



PROPOSED INCREASE IN ROOF THICKNESS (+4.75")



PROPOSED INCREASE IN ROOF THICKNESS (+4.75")  
**WITH STANCHIONS AND LIFELINES**



# SMITHSONIAN INSTITUTION BUILDING (SIB)

ROOF FALL PROTECTION | PROPOSED (WITH FALL PROTECTION)  
VISUALIZATION



PROPOSED INCREASE IN ROOF THICKNESS (+4.75") WITH STANCHIONS AND LIFELINES



# **RESOLUTION OF PENDING ITEMS**

## **Southwest Areaway Modification**

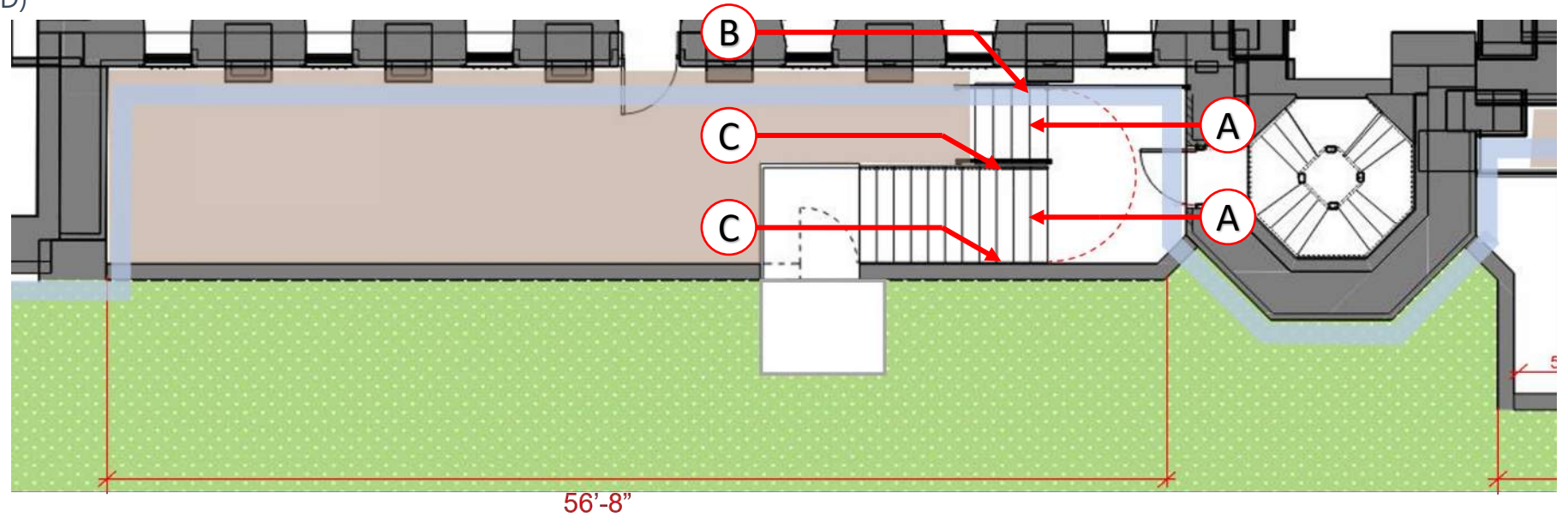
# SMITHSONIAN INSTITUTION BUILDING (SIB)

## SOUTHWEST (W) AREAWAY | MODIFICATION CURRENT PROPOSAL (TO BE MAINTAINED)

Original proposal based on 2" concrete formliner, available information regarding joint cover clearance, and schematic calculated egress widths

Continued CD development and updated information requires additional clearances for:

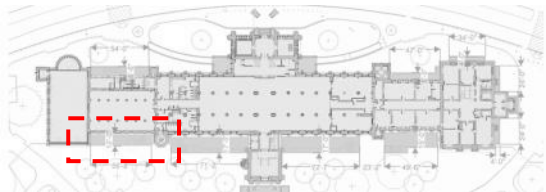
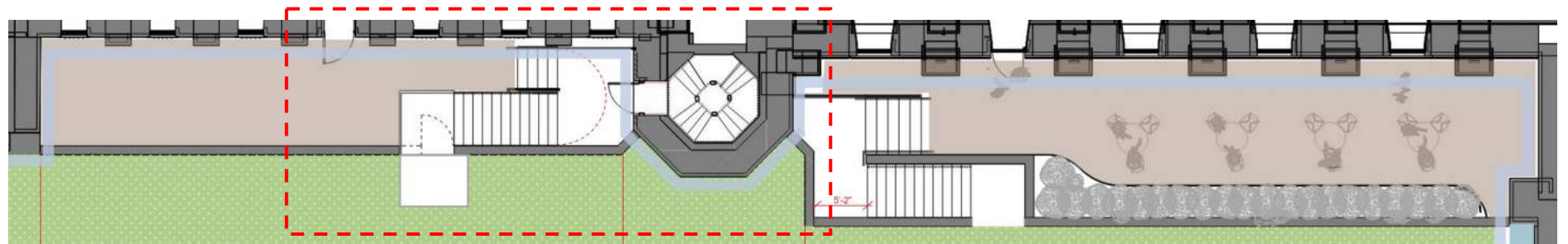
- A. Converging egress point; critical to maintain required egress width (46")
- B. Seismic joint cover movement (18" joint + 6" movement = 24")
- C. Tolerance for areaway finish materials (5" for material)



PARTIAL PLAN | SOUTHWEST AREAWAY (CP8)

**To maintain current footprint the following modifications will be required:**

- removal of wall finish at retaining wall and stair wall
- side mounting of lower handrail
- alternative joint cover product

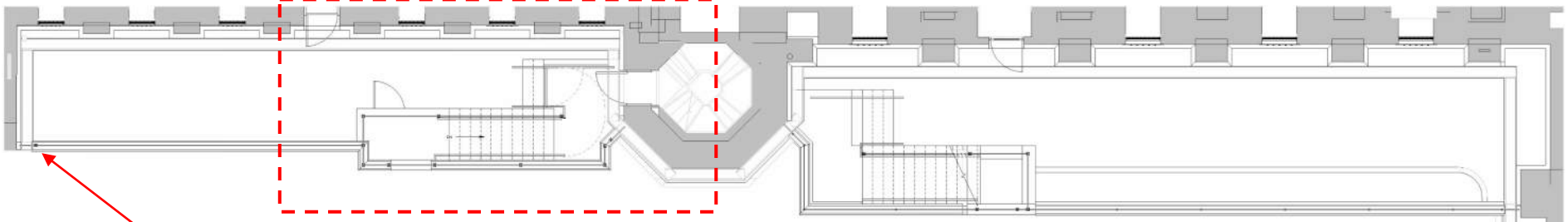
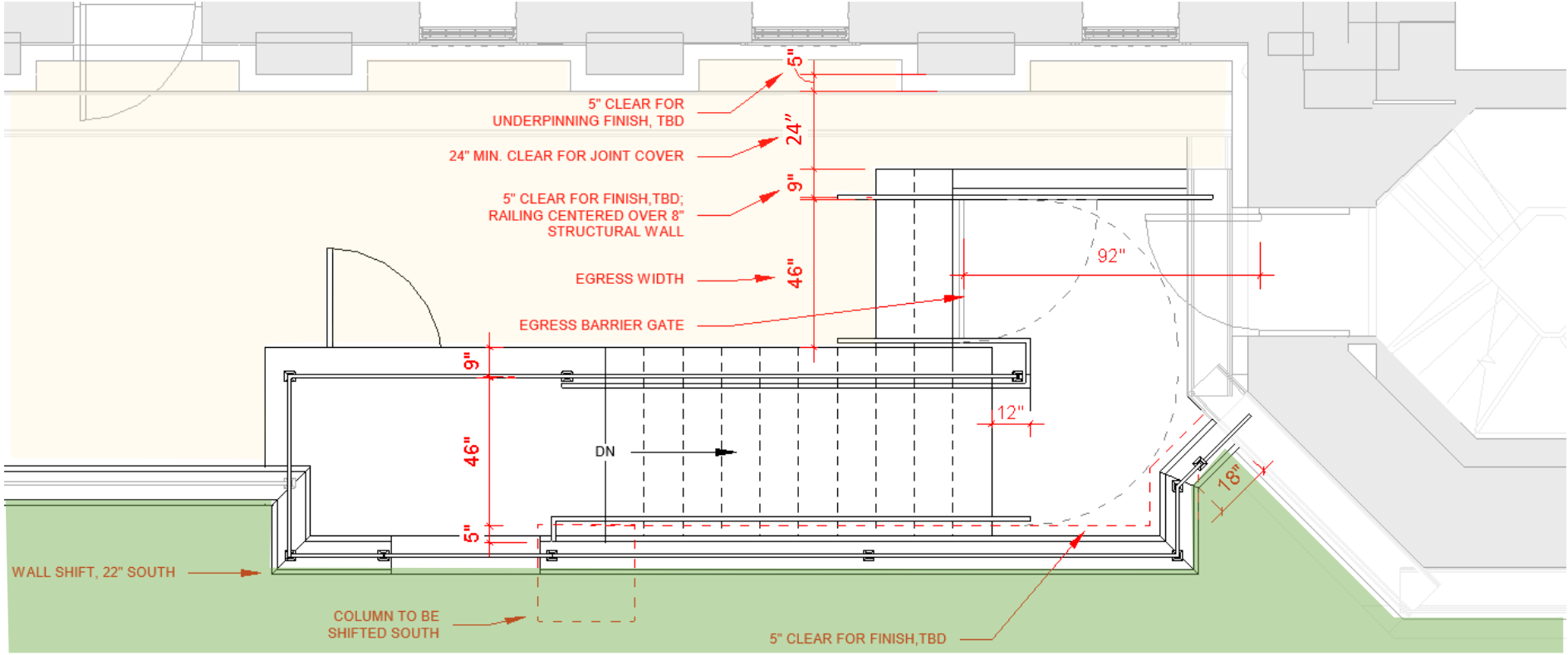


# SMITHSONIAN INSTITUTION BUILDING (SIB)

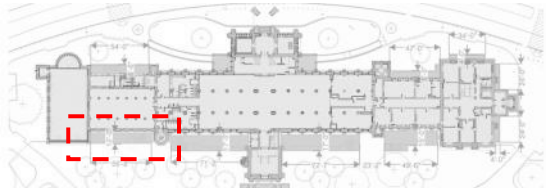
## SOUTHWEST (W) AREAWAY | MODIFICATION UPDATED PROPOSAL (PRESENTED CP13)

- Changes:
- Increased space for facing material to 5"
  - Retaining wall at stair shifted 22" south
  - Stair landing extended 14" west

\*Retaining wall intersection at building does not change



NO CHANGE AT SE CORNER OF COMMONS



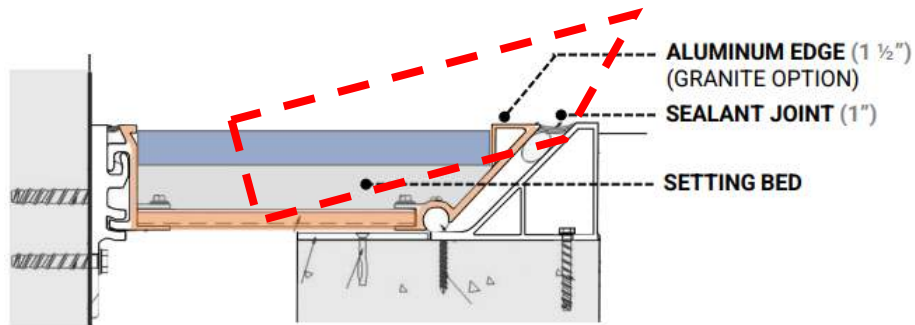


# SMITHSONIAN INSTITUTION BUILDING (SIB)

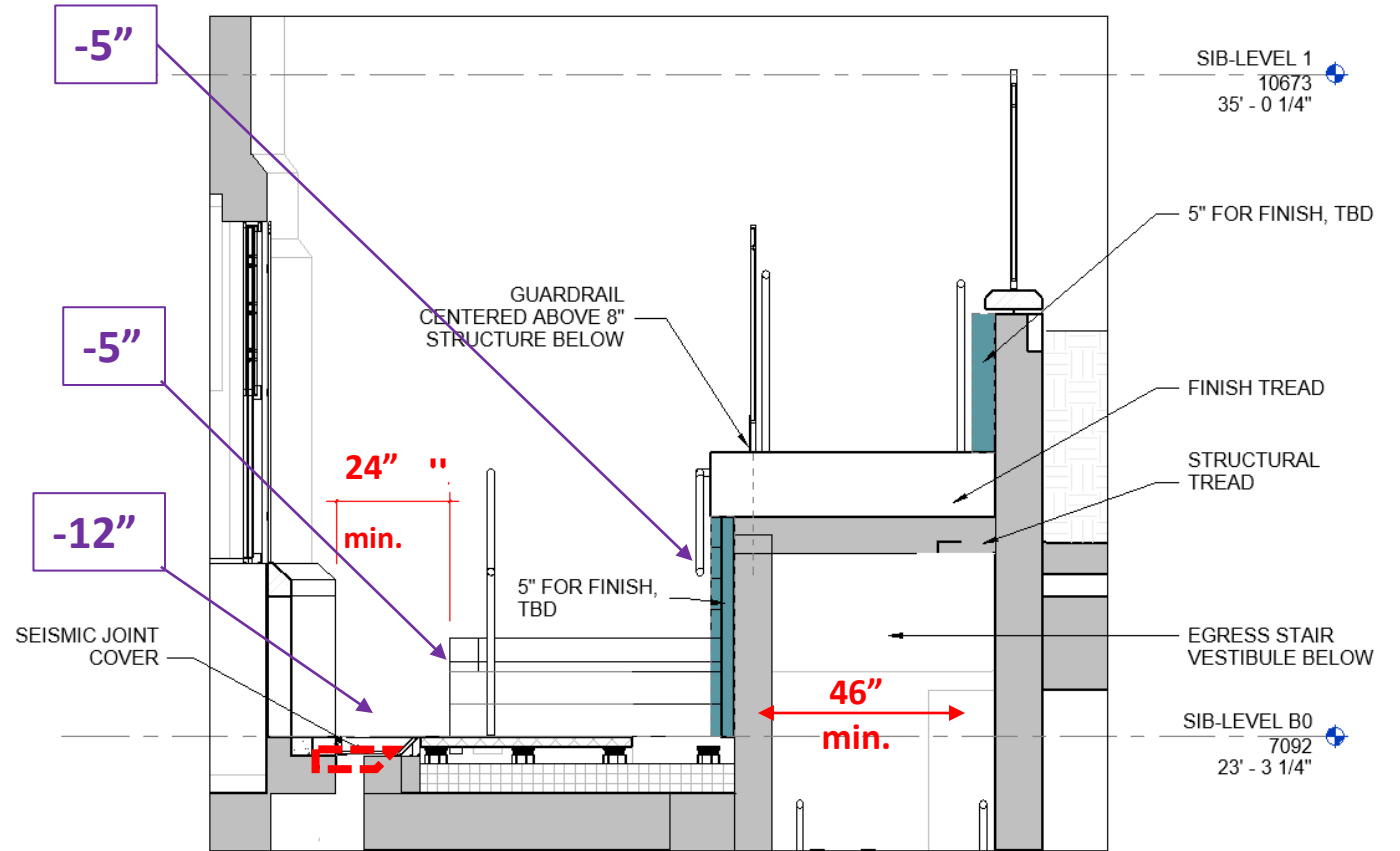
## SOUTHWEST (W) AREAWAY | MODIFICATION UPDATED PROPOSAL (PRESENTED CP13)

Section Details proposed CP13:

- Finish materials TBD, pending future CP review
- 5" of depth allocated for finish wall material (TBD)
- Minimum 24" clearance at seismic joint
- Minimum 46" egress clearance
- Guardrail centered over structure below

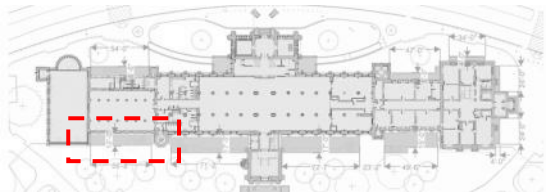


TYPICAL SEISMIC JOINT COVER



### UPDATE - steps to eliminate the 22" shift:

- remove areaway finish (10" gained)
- replace seismic joint with compressible foam and protective metal plate (12" gained)
- extend landing to width of areaway

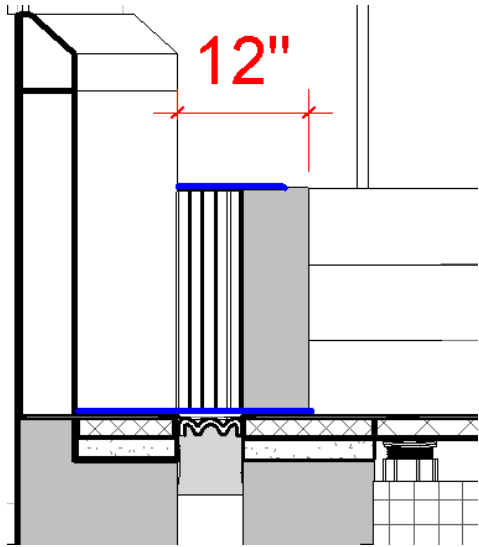


# SMITHSONIAN INSTITUTION BUILDING (SIB)

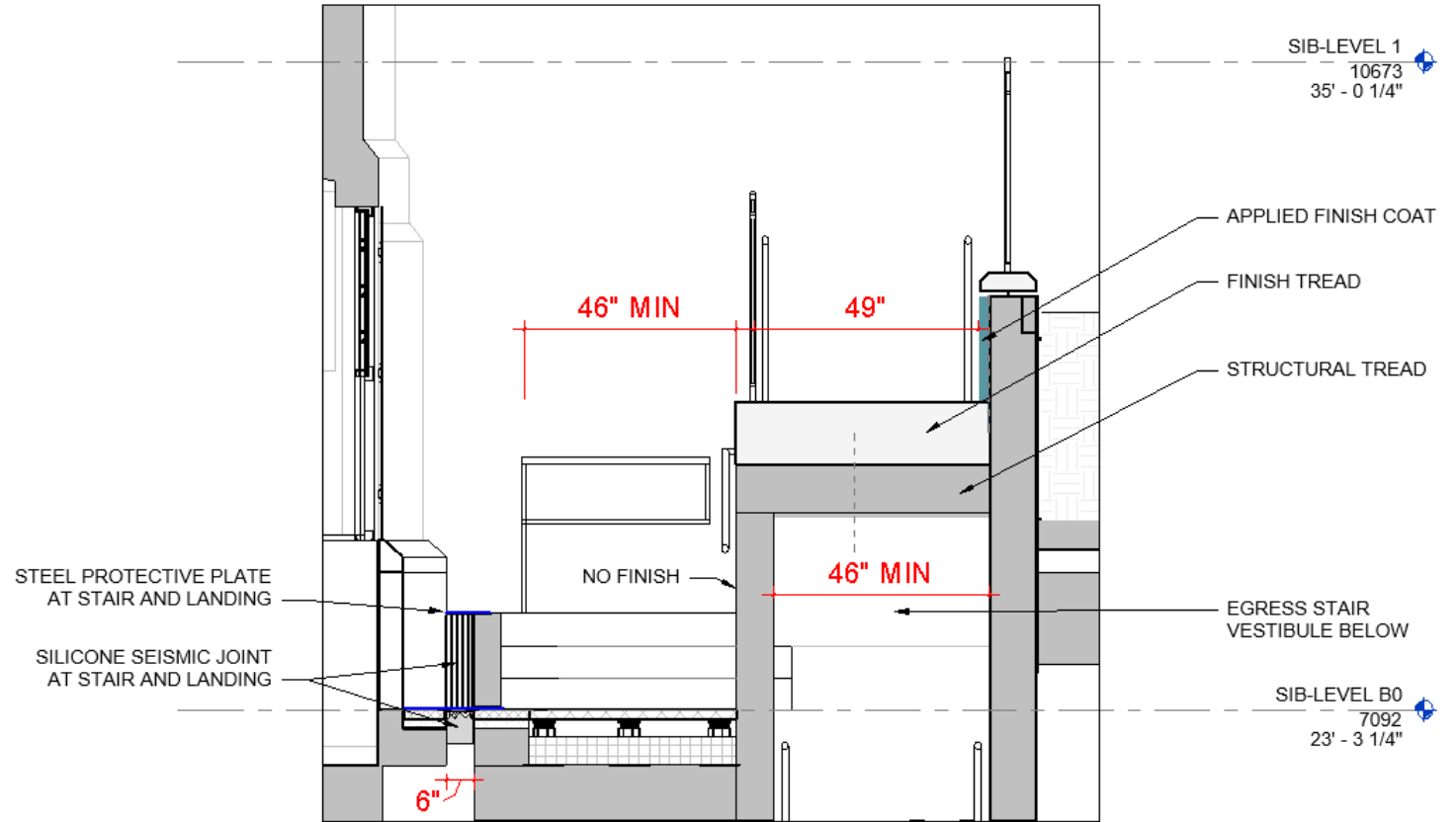
## SOUTHWEST (W) AREAWAY | MODIFICATION UPDATED PROPOSAL (CP14)

### Section Details:

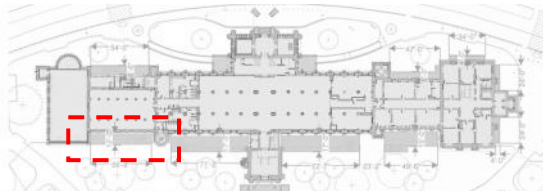
- Remove finish material from lower landings
- Minimum 46" egress clearance
- Replace joint cover with compressible joint and protective plate
- Extend landing to width of areaway



UPDATE: COMPRESSIBLE JOINT WITH PROTECTIVE PLATE

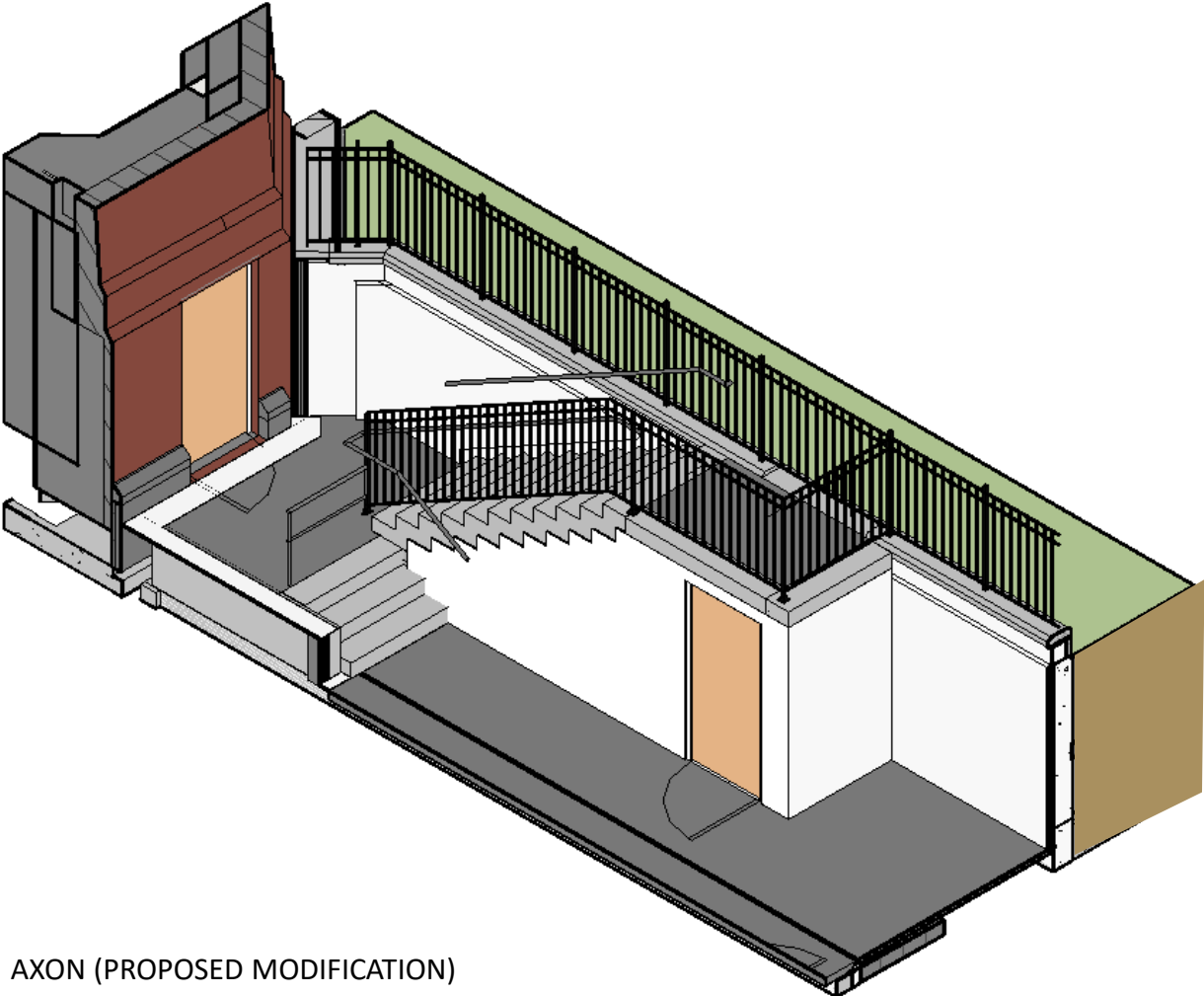


UPDATE: COMPRESSIBLE JOINT WITH PROTECTIVE PLATE

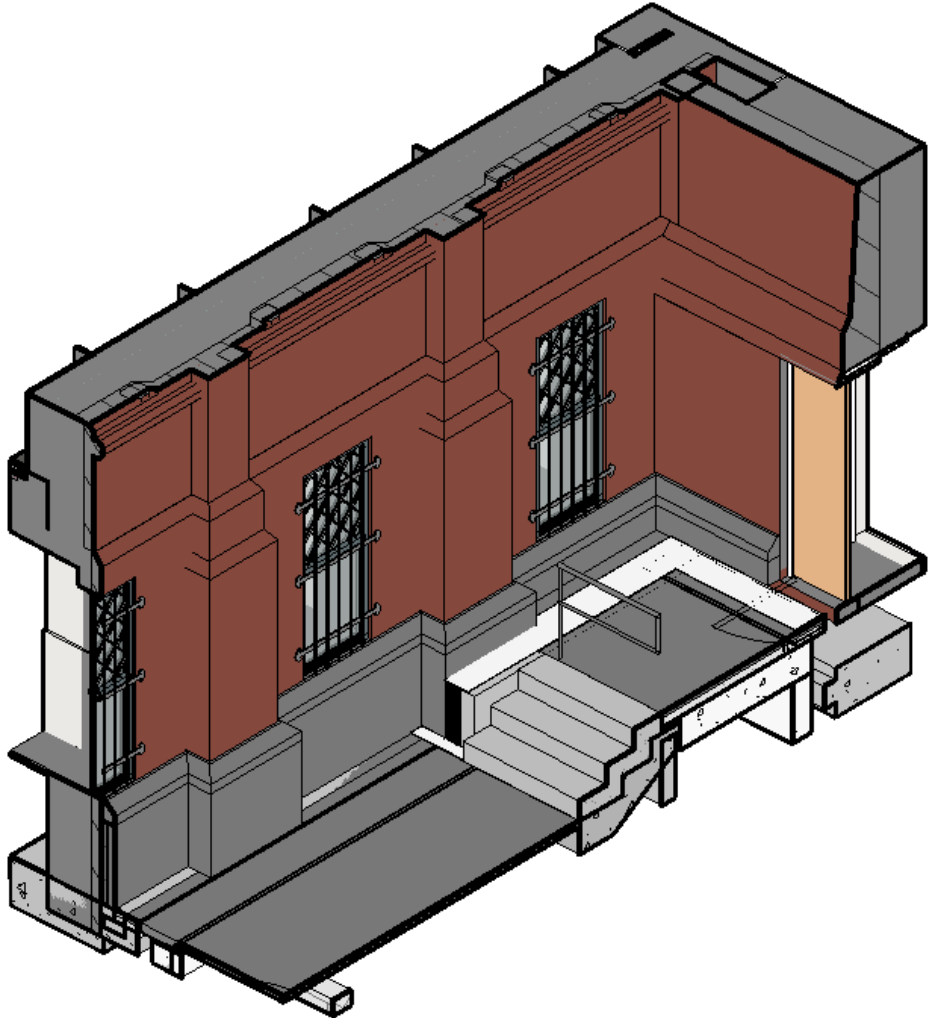


# SMITHSONIAN INSTITUTION BUILDING (SIB)

SOUTHWEST (W) AREAWAY | MODIFICATION  
UPDATED PROPOSAL (CP14)



AXON (PROPOSED MODIFICATION)

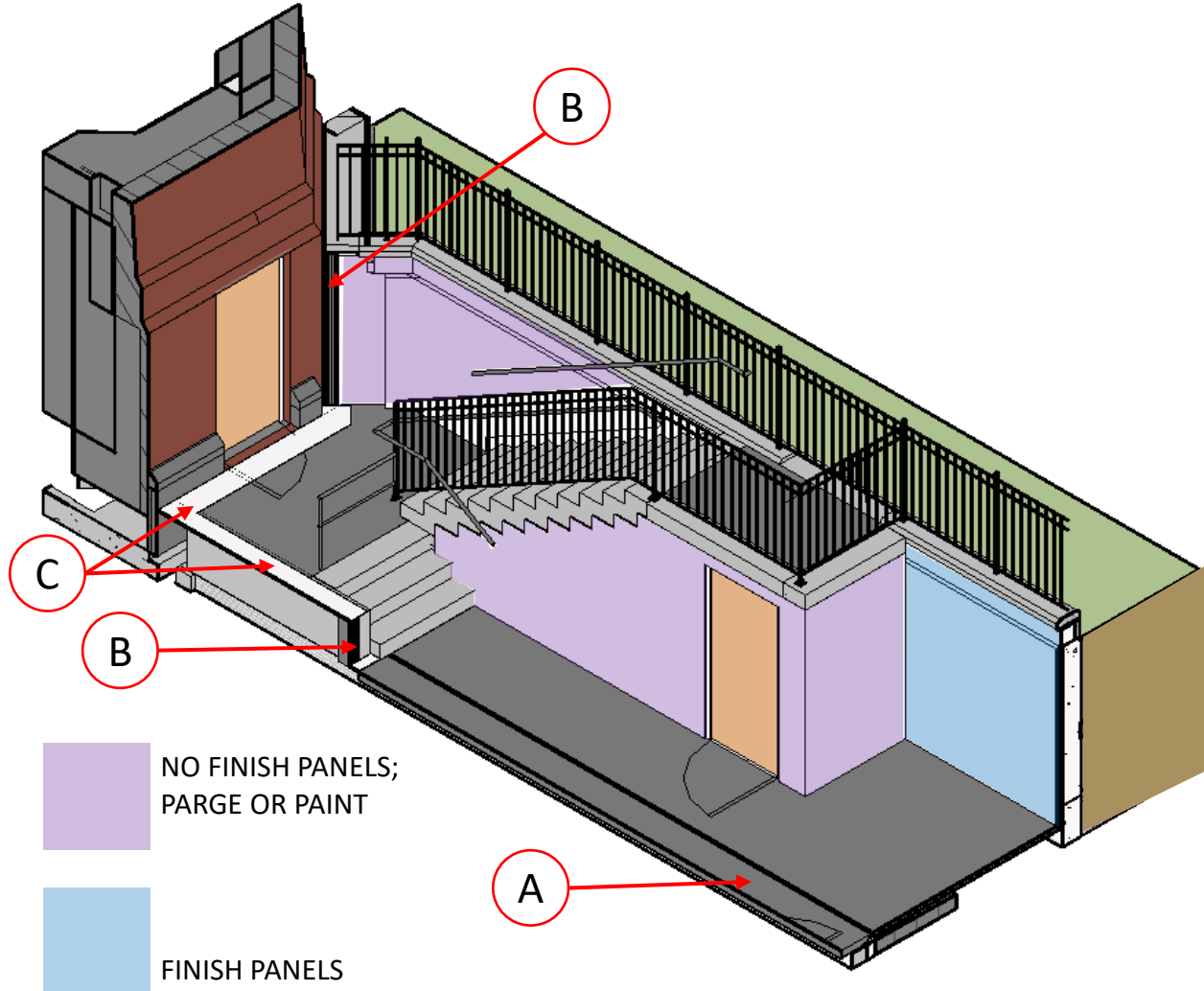


AXON (PROPOSED MODIFICATION)

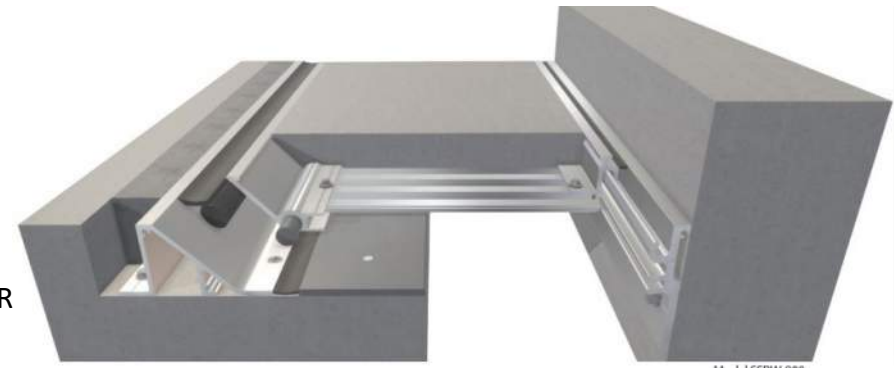


# SMITHSONIAN INSTITUTION BUILDING (SIB)

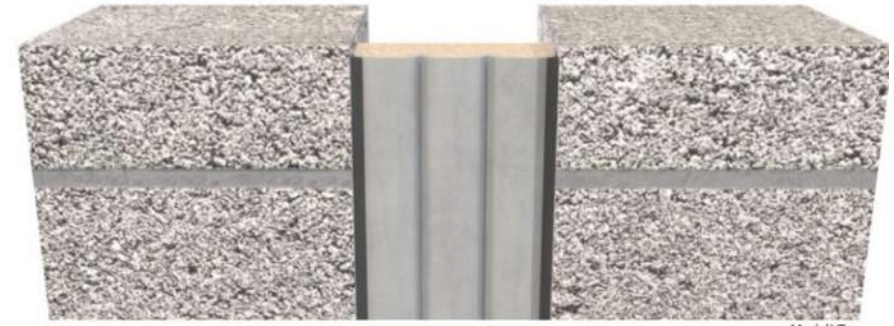
SOUTHWEST (W) AREAWAY | MODIFICATION  
 UPDATED PROPOSAL (CP14) – MATERIALS AND JOINT COVERS



**A) SSRW**  
 HORIZONTAL JOINT  
 COVER WITH PAN FOR  
 FINISH MATERIAL



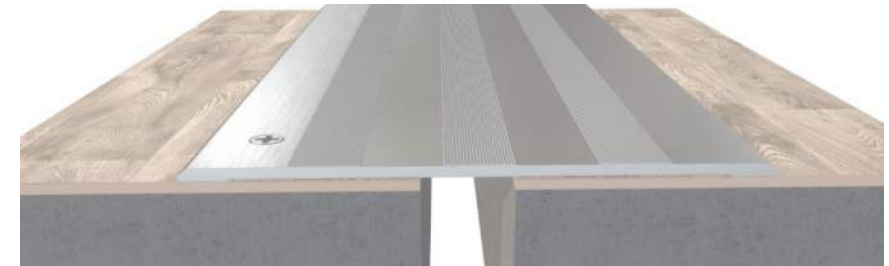
**B) VF/VFH**  
 VERTICAL/  
 HORIZONTAL  
 COMPRESSIBLE  
 SEISMIC JOINT



Color Options



**C) PCS-2G**  
 HORIZONTAL JOINT  
 COVER WITH SLIP  
 RESISTANT PLATE



# Upcoming Section 106 Consultation Meetings

\* Subject to Change

Milestone	Date	Meeting Content *
In-person material review	July 12, 2023 (AM)	<ul style="list-style-type: none"><li>• Exterior finishes</li></ul>
Consulting Parties Meeting #15	July 26, 2023	<ul style="list-style-type: none"><li>• Basement Windows and Doors<ul style="list-style-type: none"><li>• Including Interior Effects</li></ul></li><li>• Window Replacement<ul style="list-style-type: none"><li>• Exterior Appearance/ Detailing</li><li>• Anchorage Details</li><li>• Interior Effects</li></ul></li></ul>

## Phase 2 Section 106 Consultation Continues through 2023

*Assessment of Effects on Historic Resources Report will be revised through consultation for Phase 2 actions*

## RoHC Revitalize Castle – Next Steps

- Programmatic Agreement executed March 29, 2023
- Thank for your support and assistance with this critical project!
- Comments are welcoming in writing anytime to: [BondC@si.edu](mailto:BondC@si.edu)
- Contact Carly with questions or any trouble with the recurring Zoom Webinar.



Please visit the project webpage:  
<https://ahhp.si.edu/historic-core>



# Questions or Comments

## MODERATOR

**Carly Bond**, Historic Preservation Specialist

## PRESENTERS / PANELISTS

**Christopher Lethbridge**, Architect/Program Manager

**Lauren Brandes**, RLA, ASLA, Smithsonian Gardens

**Matthew Chalifoux**, FAIA, Sr. Historic Preservation Architect, EYP-Loring, LLC

**Anthony Bochicchio**, AIA, Project Manager, EYP-Loring, LLC

**Matthew Traucht**, Associate, RHI (Rhodeside and Harwell)

**Phuong Nguyen**, SEGD, AIGA, Lead Experiential Graphic Designer, EYP-Loring, LLC

**David Ghatan**, FIALD, CLD, MIES, President, CM Kling + Associates





Smithsonian Institution



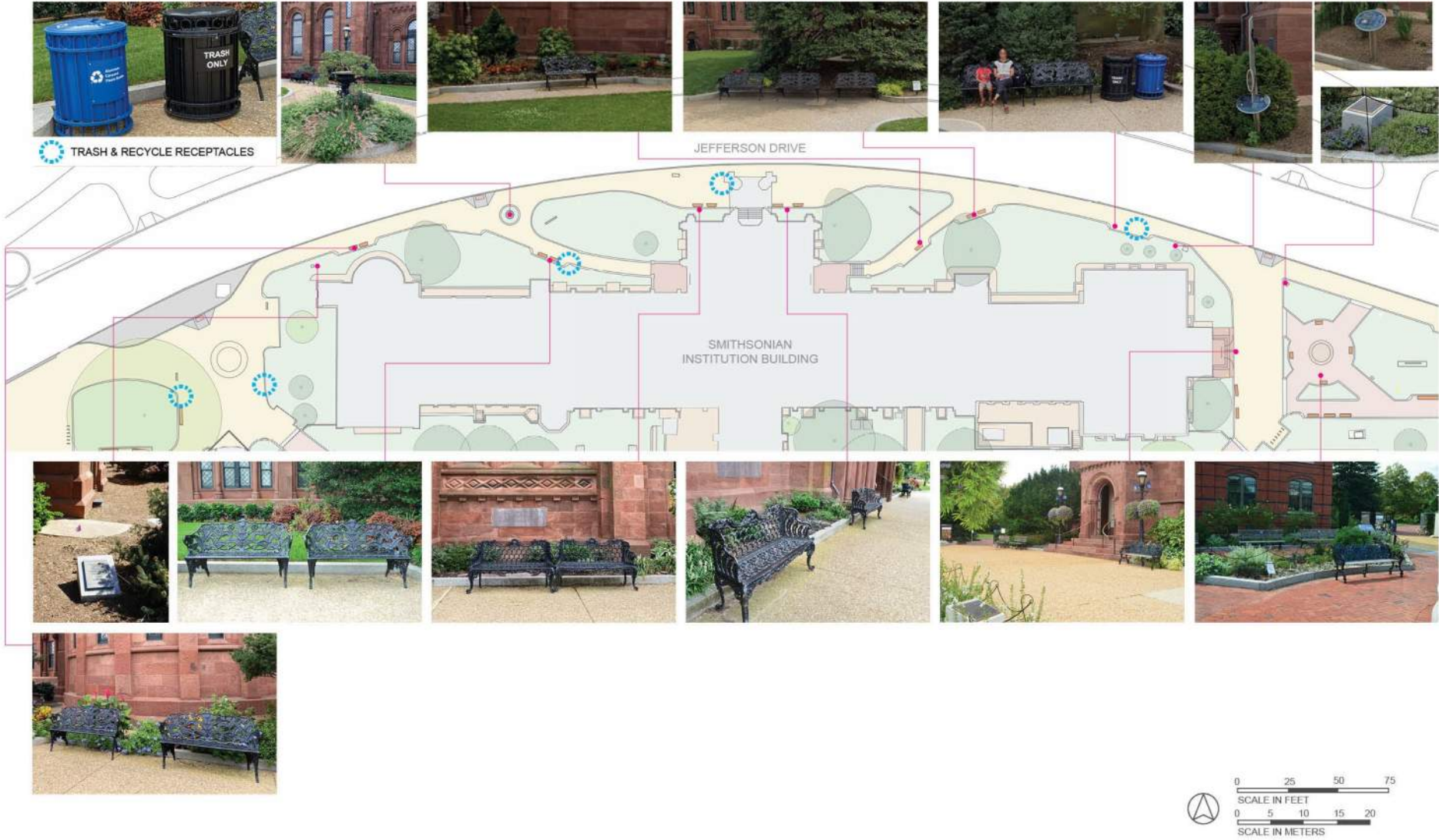
# APPENDIX

## SITE FURNISHING



# SMITHSONIAN INSTITUTION BUILDING (SIB)

## SITE FURNISHING | SI RHC NORTH EXISTING



# SMITHSONIAN INSTITUTION BUILDING (SIB)

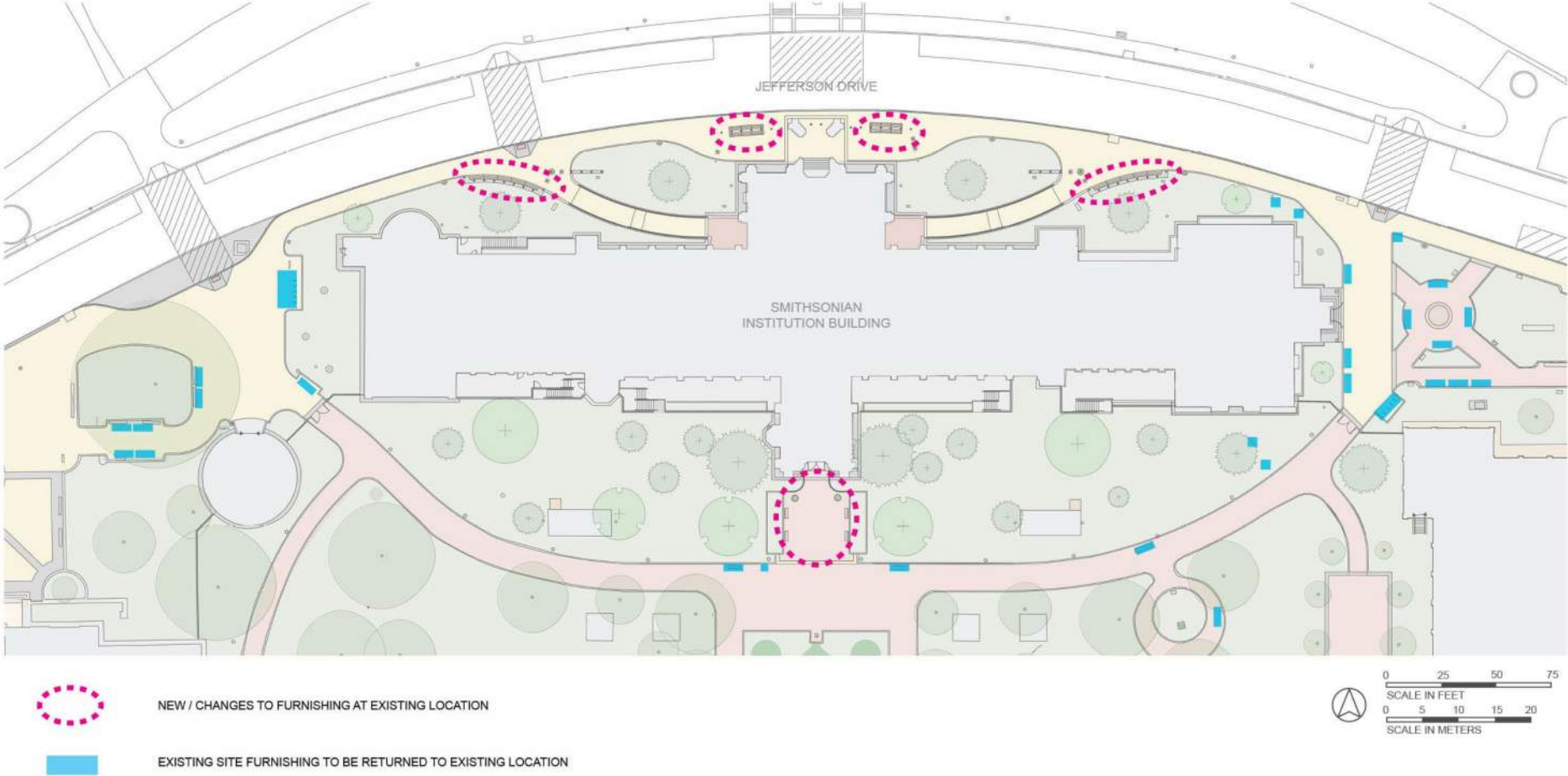
## SITE FURNISHING | SI RHC SOUTH EXISTING





# SMITHSONIAN INSTITUTION BUILDING (SIB)

SITE FURNISHING | SI RHC PROPOSED



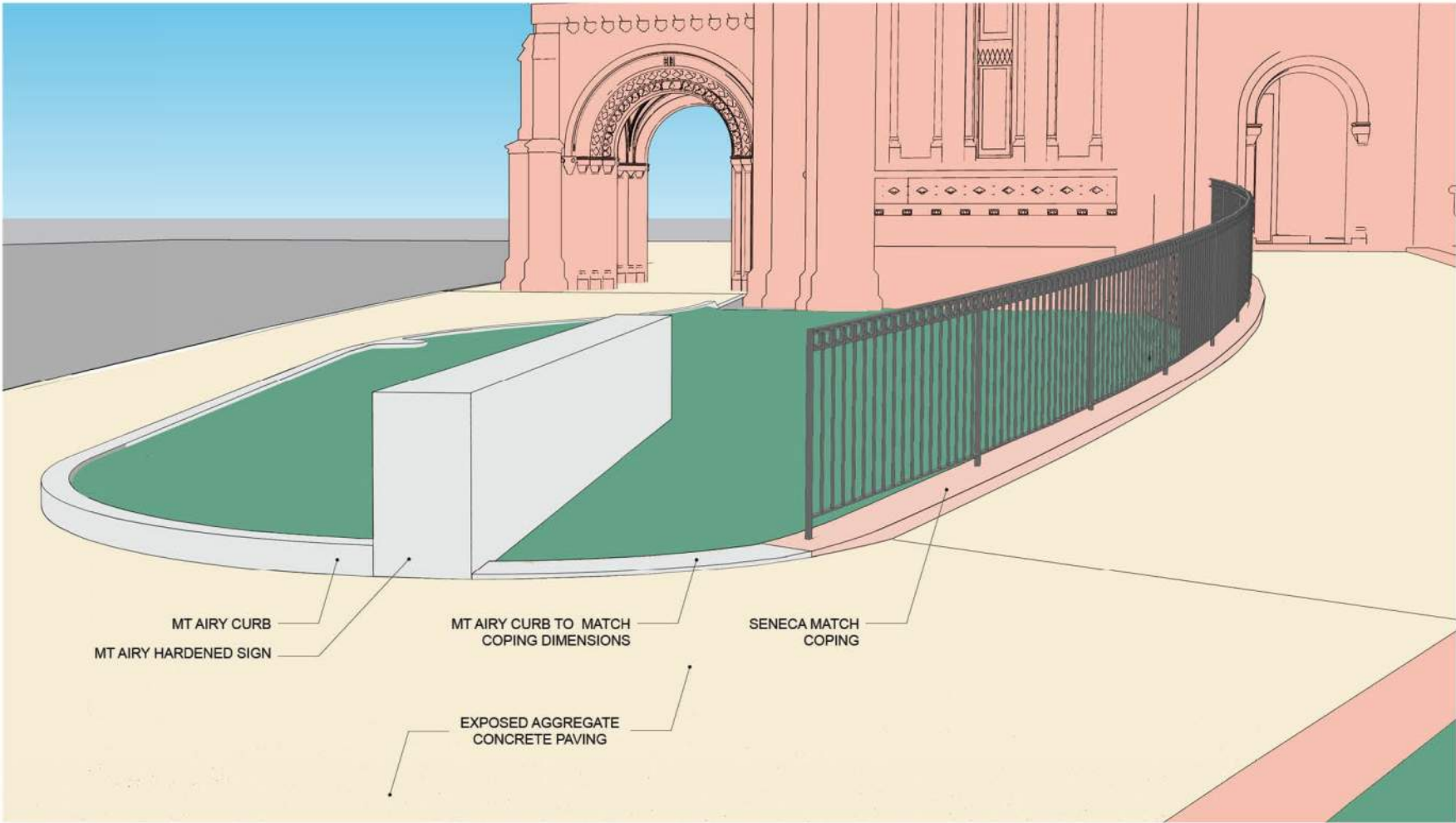


# APPENDIX

## NORTH ENTRY RAMPS

# SMITHSONIAN INSTITUTION BUILDING (SIB)

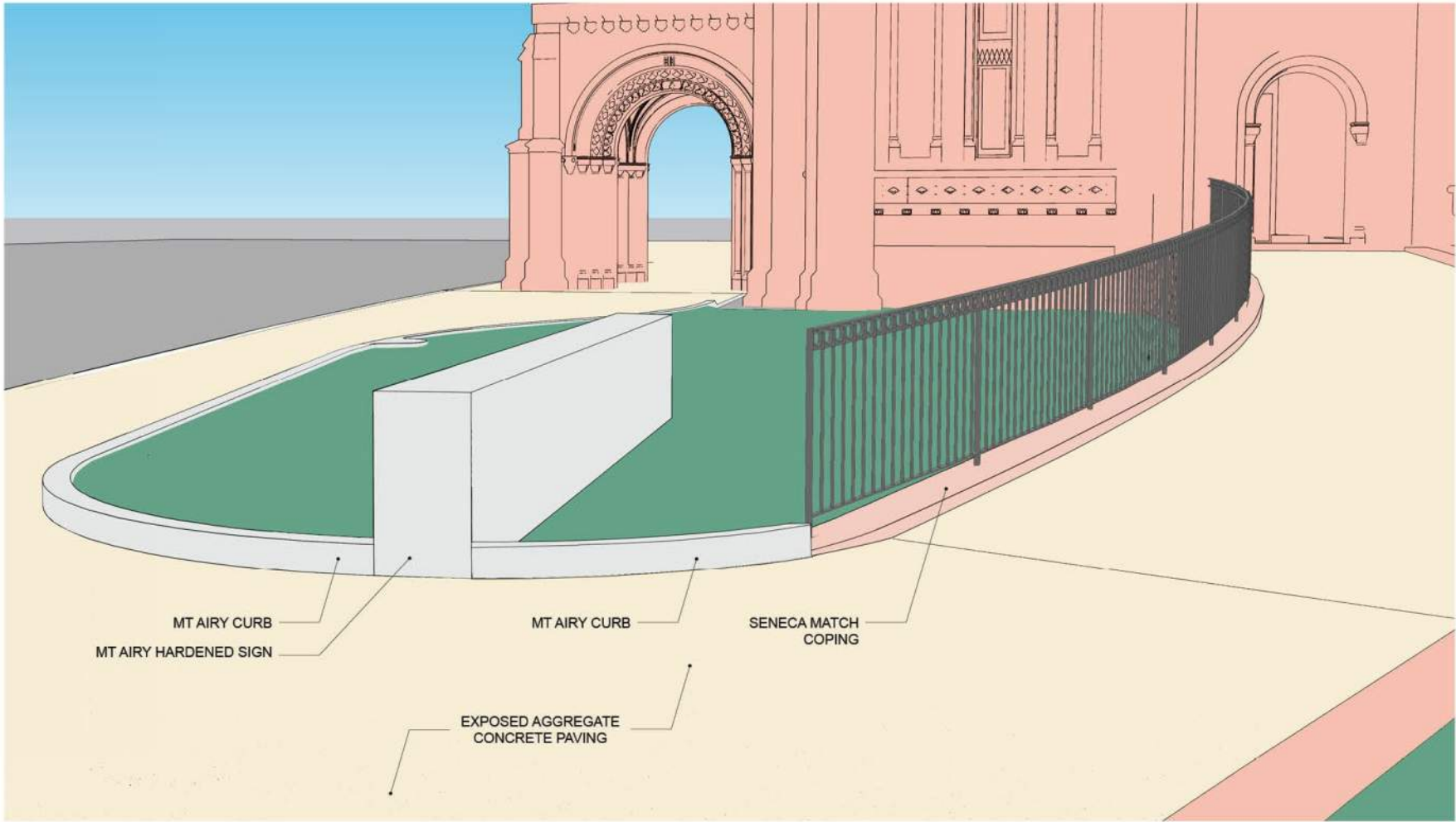
SLOPED SIDEWALK FROM JEFFERSON DRIVE – WEST: PROPOSED



OPTION 2 – MT. AIRY

# SMITHSONIAN INSTITUTION BUILDING (SIB)

SLOPED SIDEWALK FROM JEFFERSON DRIVE – WEST: PROPOSED

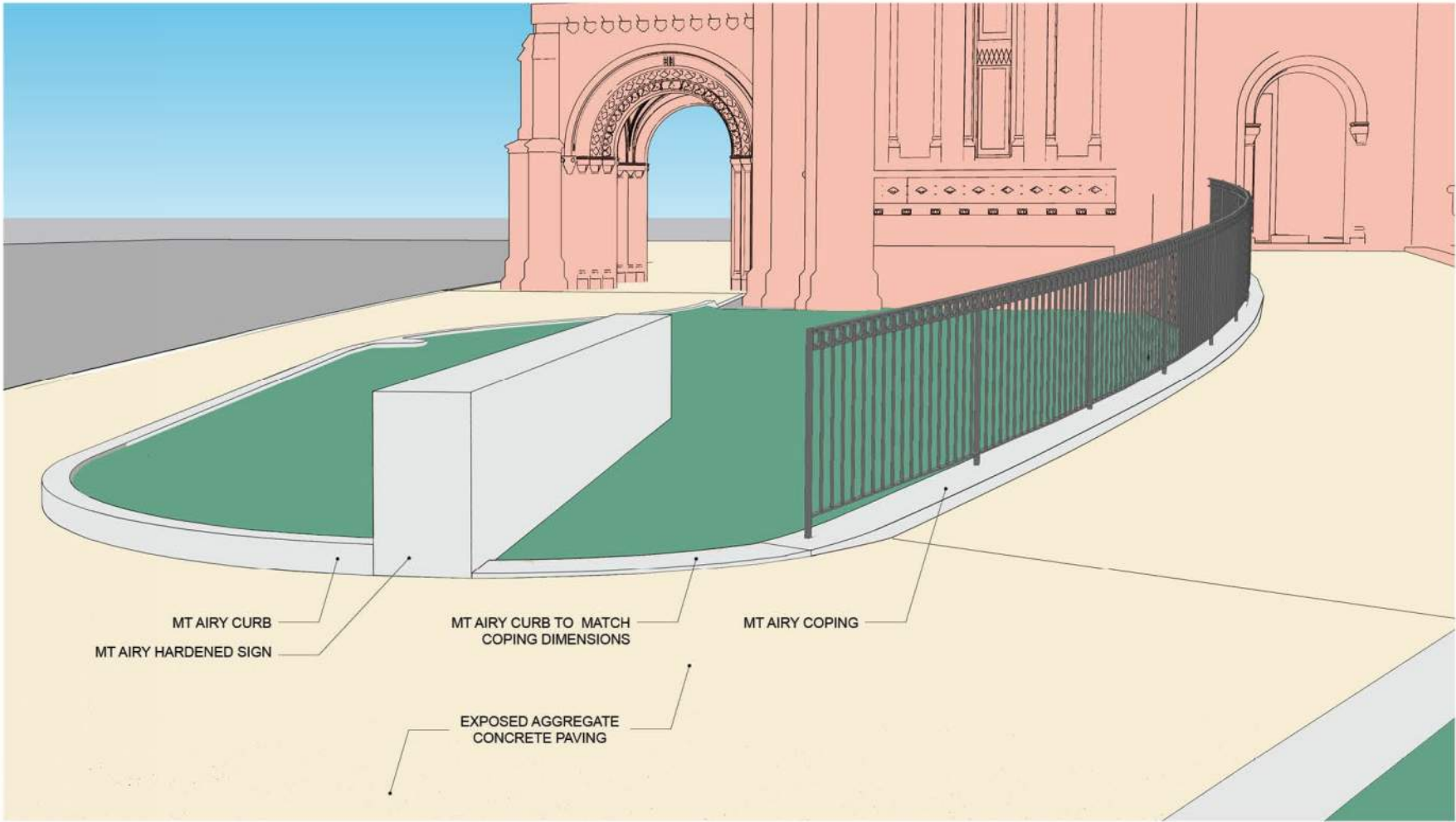


OPTION 3 – 6"HT MT. AIRY



# SMITHSONIAN INSTITUTION BUILDING (SIB)

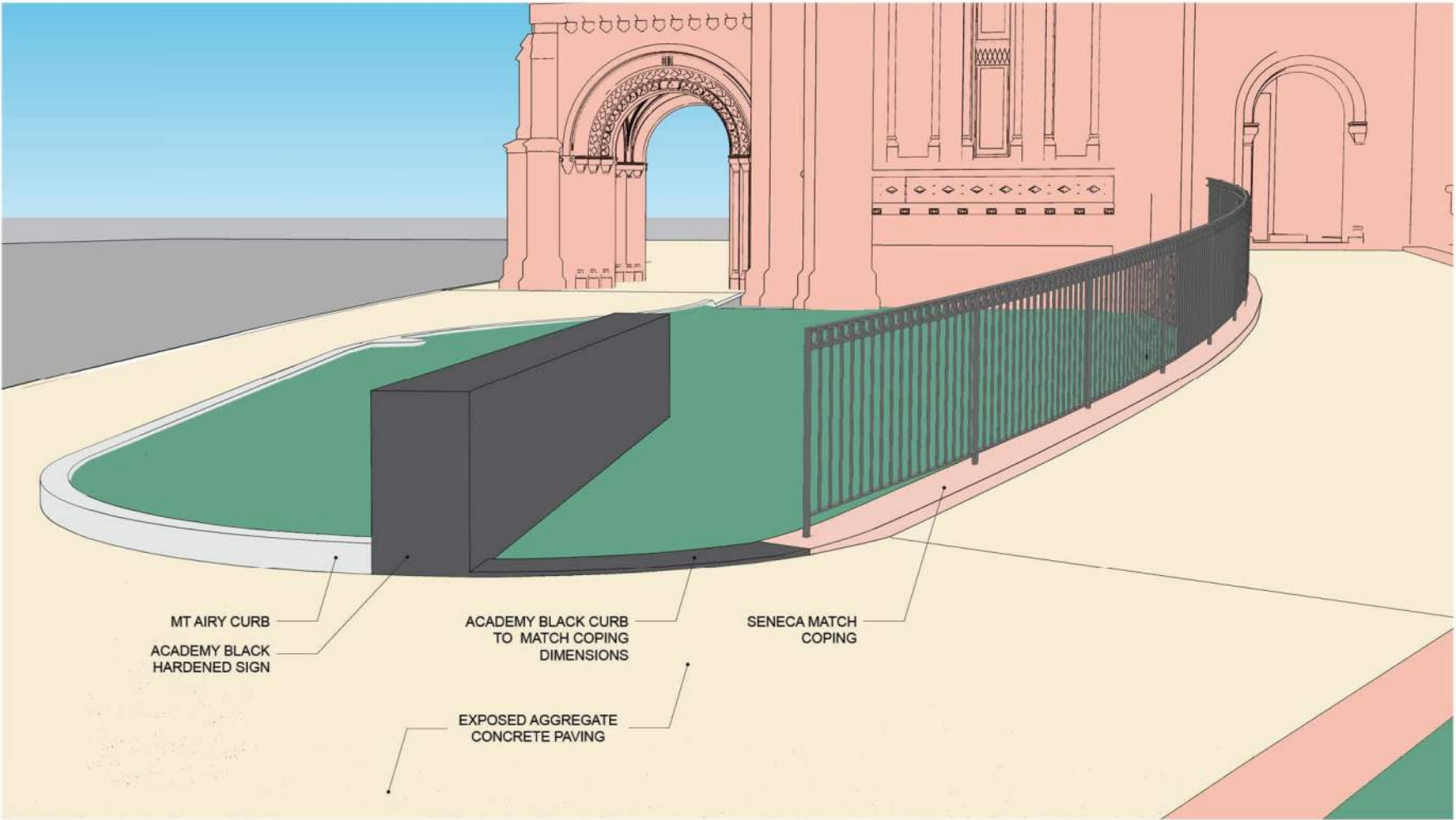
SLOPED SIDEWALK FROM JEFFERSON DRIVE – WEST: PROPOSED



OPTION 4- MT AIRY COPING

# SMITHSONIAN INSTITUTION BUILDING (SIB)

SLOPED SIDEWALK FROM JEFFERSON DRIVE – WEST: PROPOSED



OPTION 5- ACADEMY BLACK