Welcome!

The meeting will begin momentarily.

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.
Revitalization of the Historic Core
CONSULTING PARTIES MEETING #12

April 26, 2023
PANEL OF SPEAKERS

MODERATOR
Carly Bond, Historic Preservation Specialist

PRESENTERS / PANELISTS
Brenda Sanchez, FAIA, Sr. Design Manager
Christopher Lethbridge, Architect/Program Manager
Beth Ziebarth, Director, Accessibility Program
Lauren Brandes, RLA, ASLA, Smithsonian Gardens
Matthew Chalifoux, FAIA, Sr. Historic Preservation Architect, EYP-Loring, LLC
Anthony Bochicchio, AIA, Project Manager, EYP-Loring, LLC
Faye Harwell, FASLA, Landscape Architect, RHI (Rhodeside and Harwell)
AGENDA

• Updates

• Review Phase 2 Items
  • Roof Mechanical Elements
    • North Entry Hyphen - Louvered Penthouses
  • South Tower Elevator
    • Interior Effects
  • Windows
    • Extent of Existing Masonry Removals
  • Landscape – South Entry Ramp, Railings
  • Replacement Materials
    • Sandstone, Roofing Slate
  • Seismic Joint Cover
    • Stone Options

• Next Steps

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Programmatic Agreement - Phased Section 106 Consultation

Programmatic Agreement oversees both Phases
- Phase 1 construction will result in adverse effects on the Castle and the National Mall Historic District
- Phase 2 has potential to result in adverse effects

### Phase 1 (Baseline Project)
- Introduction of New Areaways and Window Wells (Locations and Dimensions)
- Installation of Seismic Control Joint Around the Castle Perimeter (Location and Width)
- Extent of Excavation Adjacent to Castle - SIB Extension (B1 Level), B2 Level Cistern
- Excavation Beneath the Castle - Base Isolation, Lowering of the Basement Level, Mechanical Distribution Level, Future Quadrangle Building B2 Connection
- Creation of Alternate Pedestrian Routes for Circulation Around the Castle during construction
- Cumulative Effects of Phase 1 Activities

### Phase 2 (Everything Else! - Abridged on Slide)
- Landscape Planting Plan – Perimeter Security
- Roof Modifications
- Emergency Generator
- Alterations at the North and South Entrances to Improve Accessibility
- Installation of New East Wing 4th Floor Egress
- Replacement and Restoration of Windows
- Exterior Masonry Restoration
- New Basement Windows and Egress Doors
- Interior Effects (Windows, South Tower Elevators, New Basement Openings, Lowering Basement Floor)
- Cumulative Effects on Castle and National Mall Historic District
<table>
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<th>Proposed Effect Determination</th>
<th>CP Meeting</th>
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<td>New Landscape Planting Plan</td>
<td>Planting Plan</td>
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<td>Paving Systems</td>
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<td>Perimeter Security</td>
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<td>Bolards</td>
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<td>Hardened furnishings and signs</td>
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<td>Site Lighting</td>
<td>Jefferson Drive- Olmsted Fixtures Layout</td>
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<td>Seismic Control Joint - Finishes</td>
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<td>Infill- Stone, Concrete, Pavers</td>
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<td>South Entrance</td>
<td>Plan Layout</td>
<td>Options reviewed, preferences provided</td>
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<td>Materials</td>
<td>Preliminary presentation</td>
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<td>Kick Rail</td>
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<tr>
<td>North Entrance</td>
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<td>CP 7, CP 8</td>
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<td>ROOF AREA</td>
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<td>South Tower Elevators- Exterior</td>
<td>Overrun penthouses</td>
<td>Reviewed and accepted</td>
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<td>South Tower Elevators- Interior Effects</td>
<td>Narrowing of the center corridor</td>
<td>Preliminary presentation</td>
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<td>North wall of Children’s Room</td>
<td>Preliminary presentation</td>
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<td></td>
<td>Elevator doors and devices</td>
<td>Reviewed - preferences provided</td>
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<td></td>
<td>Mosaic tile floor at Ragens’ Room Entry</td>
<td>Preliminary presentation</td>
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<td>CP 11</td>
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<tr>
<td>Replacement of Roof Materials</td>
<td>Slate- match for existing (historical?)</td>
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<td>Roof Modifications- Energy Improvements</td>
<td>Dimensional changes at edges due to roof</td>
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<td>Rooftop Mechanical Penthouses</td>
<td>Location and sizes</td>
<td>All presented- north penthouses not resolved</td>
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<td></td>
<td>Visibility</td>
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<td>CP 10, CP 11</td>
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<tr>
<td>East Wing 4th Floor Egress</td>
<td>Guardrail</td>
<td>Reviewed and accepted</td>
<td>No Adverse Effect</td>
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<td>Changes to existing windows (East and West)</td>
<td>Reviewed and accepted</td>
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<td>Lightning Protection</td>
<td>Layout</td>
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<td>Device details</td>
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<td>Fall Protection</td>
<td>Layout</td>
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<td>Device details</td>
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## RoHC Revitalize Castle – Status of Design Review Items

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<th>CP Meeting</th>
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<tr>
<td>Replacement and Restoration of Windows</td>
<td>Replacement- visual appearance, details</td>
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<td>Restoration- interior safety panels- details</td>
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<tr>
<td>Replacement of Windows- Interior Effects</td>
<td>Impacts to interior historic finishes (plaster)</td>
<td>Preliminary presentation</td>
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<tr>
<td>Exterior Masonry Restoration</td>
<td>Replacement materials</td>
<td>Preliminary presentation</td>
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<td>CP10</td>
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<tr>
<td>New Basement Windows</td>
<td>Location and size</td>
<td>Preliminary presentation</td>
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<td>CP4</td>
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<td>Window style</td>
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<td>Effect on exterior sandstone</td>
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<tr>
<td>Basement Egress Doors</td>
<td>Location and size</td>
<td>Preliminary presentation</td>
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<td>CP4</td>
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<td></td>
<td>Door style</td>
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<td></td>
<td>Effect on exterior sandstone</td>
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<tr>
<td>Basement Level Interior Alterations (Effects)</td>
<td>Impacts to interior historic finishes</td>
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<tr>
<td>Exterior Lighting (Building)</td>
<td>Visual effect</td>
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<td>Location of light sources</td>
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<td><strong>AREAWAYS AND WINDOW WELLS</strong></td>
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<tr>
<td>Areaways and Window Wells- Finished</td>
<td>Below Seneca sandstone</td>
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<td>Flooring and seismic joint</td>
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<td>Concrete retaining wall</td>
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<td>Stairs</td>
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<tr>
<td>Emergency Generator</td>
<td>VISIBILITY</td>
<td>Reviewed and accepted</td>
<td>Adverse Effect</td>
<td>CP10</td>
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</table>
RoHC Revitalize Castle – Status of Design Review Items

- Assessment of Effects Report to be 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.

[Additional information about the RoHC Revitalize Castle project, including updates on design actions and documentation links.]
RoHC Revitalize Castle – Status of Design Review Items

RoHC Revitalize Castle
Assessment of Effects on Historic Resources

April 2023

<table>
<thead>
<tr>
<th>Feature/Action</th>
<th>Design Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emergency Generator</td>
<td>- Two new emergency generator gas generators and associated equipment will</td>
</tr>
<tr>
<td></td>
<td>be located within the proposed southeast area way.</td>
</tr>
<tr>
<td></td>
<td>- Maximum height of each generator at 9'4&quot; will not exceed the height of</td>
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<td></td>
<td>the proposed area way wall.</td>
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<td></td>
<td>- Emergency generator may be visible within the Castle’s setting.</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Images</th>
<th>Additional Information</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>- Removal of the Central Utility Plant from the project required alternate</td>
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<td></td>
<td>placement for the emergency generator.</td>
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<td></td>
<td>- Emergency generators replace two existing pieces of mechanical equipment,</td>
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<td>one of which is visible above-grade.</td>
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<td></td>
<td>- Generators will not be visible within the Great Garden and setting, except</td>
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<td>within the immediate vicinity of the southeast area way. The southeast</td>
</tr>
<tr>
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<td>area ways are for staff use or building operations and will not have any</td>
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<tr>
<td></td>
<td>public function.</td>
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<td></td>
<td>- Presence of the largely non-visible generators and associated equipment</td>
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<tr>
<td></td>
<td>does not significantly the adverse effect from the area ways.</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Proposed Effect Determination</th>
<th>No Adverse Effect</th>
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</table>

Smohsonian Institution Building
Assessment of Effects on Historic Resources

April 2023

<table>
<thead>
<tr>
<th>Feature/Action</th>
<th>Design Details</th>
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</thead>
<tbody>
<tr>
<td>Lightning Protection System</td>
<td>- Lightning protection system will be installed on the perimeter of the Castle</td>
</tr>
<tr>
<td></td>
<td>roof.</td>
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<td></td>
<td>- Air terminals (metal rod) projects 10' above rooftop features, placed at</td>
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<td></td>
<td>the perimeter of the Towers and peak of the East Wing roof.</td>
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<td></td>
<td>- Air terminals will be clamp to existing features, with grounding cables held</td>
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<tr>
<td></td>
<td>in place using metal brackets attached at manor joints. Same cables will</td>
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<td></td>
<td>require adhesive mounting at the roof edges.</td>
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<table>
<thead>
<tr>
<th>Images</th>
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<tbody>
<tr>
<td></td>
<td>- Lightning protection was implemented in the original Castle design with</td>
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<td>wrought iron lightning rods on the Perimeter Towers, originally 10' higher</td>
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<td>than the various Tower roofs.</td>
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<td>- In 2005 the Southeast Tower roof was damaged from a lightning strike and</td>
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<td></td>
<td>restored.</td>
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<td></td>
<td>- Proposed lightning protection system is in keeping with systems found on</td>
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<td>historic buildings on the National Mall.</td>
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<tr>
<td></td>
<td>- Air terminals will have minimal visibility and the grounding cables will be</td>
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<td>installed in building recesses or the least obtrusive locations.</td>
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<td></td>
<td>- Lightning protection system will not damage historic fabric and is fully</td>
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<td>reversible.</td>
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</table>
ROOF MECHANICAL ELEMENTS
REVISIONS BASED ON CP11 COMMENTS
SMITHSONIAN INSTITUTION BUILDING (SIB)

NORTH ENTRY HYPHEN | EXISTING PENTHOUSES

ROOF PLAN

EXISTING - ROOF PLAN

PARTIAL PLAN

EXISTING - VIEW FROM ROOF

7’-3”

8’-6”
NORTH ENTRY HYPHEN | EXISTING PENTHOUSES
EXISTING VISIBILITY FROM JEFFERSON DRIVE & NATIONAL MALL

A. Viewed from due west
B. Location where west penthouse is no longer visible
C. Location of elevator penthouse near eave increases visibility
D. Viewed from due east
SMITHSONIAN INSTITUTION BUILDING (SIB)

NORTH ENTRY HYPHEN | FINISH MATERIAL
PATINATED COPPER

Copper Patina Aging Chart

Note: Colors Approximate
SMITHSONIAN INSTITUTION BUILDING (SIB)

NORTH ENTRY HYPhEN | LOUVERED PENTHOUSES (FLAT ROOF)
VISUALIZATION
OPTION 1 - PRESENTED AT CP MEETING #10

96 SF LOUVER AREA PER PENTHOUSE
SMITHSONIAN INSTITUTION BUILDING (SIB)

NORTH ENTRY HYPHEN | LOUVERED PENTHOUSES (FLAT ROOF)
ROOF PLAN + EAST ELEVATION
OPTION 1 - PRESENTED AT CP MEETING #10
SMITHSONIAN INSTITUTION BUILDING (SIB)

NORTH ENTRY HYPHEN | LOUVERED PENTHOUSES (FLAT ROOF)
SOUTH ELEVATION
OPTION 1 - PRESENTED AT CP MEETING #10
SMITHSONIAN INSTITUTION BUILDING (SIB)

NORTH ENTRY HYPHEN | LOUVERED PENTHOUSES
VISUALIZATION
OPTION 1 - PRESENTED AT CP MEETING #10

EXISTING VIEW FROM PATH

PROPOSED VIEW FROM PATH

4 months

25-30 years
SMITHSONIAN INSTITUTION BUILDING (SIB)

NORTH ENTRY HYPhEN | LOUVERED PENTHOUSES
VISUALIZATION
OPTION 1 - PRESENTED AT CP MEETING #10

EXISTING VIEW FROM PATH

PROPOSED VIEW FROM PATH

PROPOSED VIEW FROM PATH

4 months

25-30 years

Smithsonian Institution
SMITHSONIAN INSTITUTION BUILDING (SIB)

NORTH ENTRY HYPHEN | LOUVERED PENTHOUSES
VISUALIZATION
OPTION 2 - PRESENTED AT CP MEETING #11

• louvers match roof slope
• reduces width of Option 1 by appr
• reduces height of Option 1 by appr

96 SF LOUVER AREA PER PENTHOUSE
SMITHSONIAN INSTITUTION BUILDING (SIB)

NORTH ENTRY HYPHEN | LOUVERED PENTHOUSES
ROOF PLAN + EAST ELEVATION
OPTION 2 - PRESENTED AT CP MEETING #11
SMITHSONIAN INSTITUTION BUILDING (SIB)

NORTH ENTRY HYPHEN | LOUVERED PENTHOUSES
SOUTH ELEVATION
OPTION 2 - PRESENTED AT CP MEETING #11
SMITHSONIAN INSTITUTION BUILDING (SIB)

NORTH ENTRY HYPHEN | LOUVERED PENTHOUSES
VISUALIZATION
OPTION 2 - PRESENTED AT CP MEETING #11

EXISTING VIEW FROM PATH

PROPOSED VIEW FROM PATH

PROPOSED VIEW FROM PATH

Smithsonian Institution
SMITHSONIAN INSTITUTION BUILDING (SIB)

NORTH ENTRY HYPHEN | LOUVERED PENTHOUSES
VISUALIZATION
OPTION 2 - PRESENTED AT CP MEETING #11

EXISTING VIEW FROM PATH

PROPOSED VIEW FROM PATH

PROPOSED VIEW FROM PATH

Smithsonian Institution
ROOF MECHANICAL ELEMENTS
ADDITIONAL OPTIONS
BASED ON CP11 COMMENTS
SMITHSONIAN INSTITUTION BUILDING (SIB)

NORTH ENTRY HYFHEN | LOUVERED PENTHOUSES
VISUALIZATION
OPTION 3 (ITERATION A - preferred)

• Penthouses moved closer to roof ridge, closer to tower
• Option with decorative arch
• Reduces width of Option 1 by approx. 1’-8”
• Reduces height of Option 1 by approx. 0’-6”

CHALLENGES
• Limited space between penthouses and towers impacts accessibility and complicates waterproofing

Smithsonian Institution
SMITHSONIAN INSTITUTION BUILDING (SIB)

NORTH ENTRY HYPHEN | LOUVERED PENTHOUSES
ROOF PLAN + EAST ELEVATION
OPTION 3 (ITERATION A - preferred)
SMITHSONIAN INSTITUTION BUILDING (SIB)

NORTH ENTRY HYPHEN | LOUVERED PENTHOUSES
SOUTH ELEVATION
OPTION 3 (ITERATION A - preferred)
SMITHSONIAN INSTITUTION BUILDING (SIB)

NORTH ENTRY HYPHEN | LOUVERED PENTHOUSES
VISUALIZATION
OPTION 3 (ITERATION A - preferred)

EXISTING VIEW FROM PATH

PROPOSED VIEW FROM PATH

PROPOSED VIEW FROM PATH

4 months

25-30 years
SMITHSONIAN INSTITUTION BUILDING (SIB)

NORTH ENTRY HYPHEN | LOUVERED PENTHOUSES
VISUALIZATION
OPTION 3 (ITERATION A - preferred)

EXISTING VIEW FROM PATH

PROPOSED VIEW FROM PATH

PROPOSED VIEW FROM PATH

4 months

25-30 years
SMITHSONIAN INSTITUTION BUILDING (SIB)

NORTH ENTRY HYPHEN | LOUVERED PENTHOUSES
VISUALIZATION
OPTION 3 (ITERATION B)

• Penthouses moved closer to roof ridge, closer to tower
• Reduces width of Option 1 by approx. 1’-8”
• Reduces height of Option 1 by approx. 0’-6”

CHALLENGES
• Limited space between penthouses and towers impacts accessibility and complicates waterproofing

Smithsonian Institution
SMITHSONIAN INSTITUTION BUILDING (SIB)

NORTH ENTRY HYPHEN | LOUVERED PENTHOUSES
ROOF PLAN + EAST ELEVATION
OPTION 3 (ITERATION B)
SMITHSONIAN INSTITUTION BUILDING (SIB)

NORTH ENTRY HYPHEN | LOUVERED PENTHOUSES
SOUTH ELEVATION
OPTION 3 (ITERATION B)
SMITHSONIAN INSTITUTION BUILDING (SIB)

NORTH ENTRY HYPHEN | LOUVERED PENTHOUSES

VISUALIZATION

OPTION 3 (ITERATION B)

EXISTING VIEW FROM PATH

PROPOSED VIEW FROM PATH

PROPOSED VIEW FROM PATH

4 months

25-30 years
SMITHSONIAN INSTITUTION BUILDING (SIB)

NORTH ENTRY HYPHEN | LOUVERED PENTHOUSES

VISUALIZATION

OPTION 3 (ITERATION B)

EXISTING VIEW FROM PATH

PROPOSED VIEW FROM PATH

PROPOSED VIEW FROM PATH

4 months

25-30 years

Smithsonian Institution
SMITHSONIAN INSTITUTION BUILDING (SIB)

NORTH ENTRY HYPHEN | LOUVERED PENTHOUSES
VISUALIZATION
OPTION 3 (ITERATION C)

• Penthouses moved closer to roof ridge, closer to tower
• Reduces width of Option 1 by approx. 1’-2”
• Reduces height of Option 1 by approx. 0’-10”

CHALLENGES
• Limited space between penthouses and towers impacts accessibility and complicates waterproofing

96 SF LOUVER AREA PER PENTHOUSE

6 SF
65 SF

12’-8”
11’ 9”

4’-4”
25 SF

SMITHSONIAN REVITALIZATION OF THE HISTORIC CORE
SMITHSONIAN INSTITUTION BUILDING (SIB)

NORTH ENTRY HYPHEN | LOUVERED PENTHOUSES
ROOF PLAN + EAST ELEVATION
OPTION 3 (ITERATION C)
SMITHSONIAN INSTITUTION BUILDING (SIB)

NORTH ENTRY HYPHEN | LOUVERED PENTHOUSES
SOUTH ELEVATION
OPTION 3 (ITERATION C)
SMITHSONIAN INSTITUTION BUILDING (SIB)

NORTH ENTRY HYPHEN | LOUVERED PENTHOUSES
VISUALIZATION
OPTION 3 (ITERATION C)

EXISTING VIEW FROM PATH

PROPOSED VIEW FROM PATH

PROPOSED VIEW FROM PATH
SMITHSONIAN INSTITUTION BUILDING (SIB)

NORTH ENTRY HYPHEN | LOUVERED PENTHOUSES
VISUALIZATION
OPTION 3 (ITERATION C)

EXISTING VIEW FROM PATH

PROPOSED VIEW FROM PATH

PROPOSED VIEW FROM PATH

4 months

25-30 years
SMITHSONIAN INSTITUTION BUILDING (SIB)

NORTH ENTRY HYPHEN | LOUVERED PENTHOUSES
VISUALIZATION
OPTION 4

• Penthouses moved closer to roof ridge, closer to tower
• Additional louver area distributed to North Tower
• Reduces width of Option 1 by approx. 1’-8”
• Reduces height of Option 1 by approx. 2’-6”

CHALLENGES
• Routing ductwork from the attic into the North Tower increases risk from seismic events by removing load bearing masonry
• Limited space between penthouses and towers impacts accessibility and complicates waterproofing
• Interior stair reconfiguration requires removal of historic structural elements

96 SF LOUVER AREA PER PENTHOUSE

17 SF x 2

12’-8”

46 SF

10’-1”

16 SF

3’-10”

10’-1”
SMITHSONIAN INSTITUTION BUILDING (SIB)

NORTH ENTRY HYPHEN | LOUVERED PENTHOUSES
ROOF PLAN + EAST ELEVATION
OPTION 4
SMITHSONIAN INSTITUTION BUILDING (SIB)

NORTH ENTRY HYPHEN | LOUVERED PENTHOUSES
SOUTH ELEVATION
OPTION 4
SMITHSONIAN INSTITUTION BUILDING (SIB)

NORTH ENTRY HYPHEN | LOUVERED PENTHOUSES
VISUALIZATION
OPTION 4

EXISTING VIEW FROM PATH

PROPOSED VIEW FROM PATH

PROPOSED VIEW FROM PATH

4 months

25-30 years
SMITHSONIAN INSTITUTION BUILDING (SIB)

NORTH ENTRY HYPHEN | LOUVERED PENTHOUSES

VISUALIZATION

OPTION 4

EXISTING VIEW FROM PATH

PROPOSED VIEW FROM PATH

PROPOSED VIEW FROM PATH

4 months

25-30 years
SMITHSONIAN INSTITUTION BUILDING (SIB)

NORTH ENTRY HYPHEN | LOUVERED PENTHOUSES

VISUALIZATION

COMPARISON

OPTION 1 (CP10)  
OPTION 2 (CP11)  
OPTION 3a  
*preferred  
OPTION 3b  
OPTION 3c  
OPTION 4

25-30 years

Smithsonian Institution
SMITHSONIAN INSTITUTION BUILDING (SIB)

NORTH ENTRY HYPHEN | LOUVERED PENTHOUSES

VISUALIZATION COMPARISON

OPTION 1 (CP10)  
OPTION 2 (CP11)  
OPTION 3a *preferred  
OPTION 3b  
OPTION 3c  
OPTION 4

25-30 years

Smithsonian Institution
Questions or Comments

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SOUTH TOWER ELEVATOR
INTERIOR EFFECTS
SMITHSONIAN INSTITUTION BUILDING (SIB)

SOUTH TOWER ELEVATOR | INTERIOR EFFECTS
LEVEL 1

- Fan Coil Units (FCUs) to be removed from South Entry
- It is unknown if the recessed arches extend to the finish floor until the FCUs are removed

CHILDREN’S ROOM - C. 1901 (looking south)

EXISTING CONDITION (looking south)

EXISTING CONDITION (looking north)

EXISTING PLAN

EXIST. FAN COIL UNIT
SMITHSONIAN INSTITUTION BUILDING (SIB)

SOUTH TOWER ELEVATOR | INTERIOR EFFECTS
LEVEL 1
PRESENTED FOR CP MEETING #11

EXISTING PLAN

PROPOSED PLAN (CP11)
CORRIDOR REDUCED BY 1’-6”
SMITHSONIAN INSTITUTION BUILDING (SIB)

SOUTH TOWER ELEVATOR | INTERIOR EFFECTS
LEVEL 1
PRESENTED FOR CP MEETING #11
SMITHSONIAN INSTITUTION BUILDING (SIB)

SOUTH TOWER ELEVATOR | INTERIOR EFFECTS
LEVEL 1 (UPDATE)
HISTORIC PRECEDENTS

HISTORIC PLAN (1968)

HISTORIC PHOTOGRAPH (LOOKING NORTHEAST)
SMITHSONIAN INSTITUTION BUILDING (SIB)

SOUTH TOWER ELEVATOR | INTERIOR EFFECTS
LEVEL 1 (UPDATE)

EXISTING PLAN

PROPOSED PLAN (UPDATED)
CORRIDOR REDUCED BY 1'-6"
SMITHSONIAN INSTITUTION BUILDING (SIB)

SOUTH TOWER ELEVATOR | INTERIOR EFFECTS
LEVEL 1 (UPDATE)

PROPOSED PLAN

PROPOSED ELEVATION
SMITHSONIAN INSTITUTION BUILDING (SIB)

SOUTH TOWER ELEVATOR | INTERIOR EFFECTS

LEVEL 3

EXISTING MOSAIC (LOWER PATTERN, MARBLE STEPS, UPPER W. EMBLEM)
SMITHSONIAN INSTITUTION BUILDING (SIB)

SOUTH TOWER ELEVATOR | INTERIOR EFFECTS
LEVEL 3

UPPER MOSAIC WITH EMBLEM

DETAIL OF EMBLEM

Smithsonian Institution
SMITHSONIAN INSTITUTION BUILDING (SIB)

SOUTH TOWER ELEVATOR | INTERIOR EFFECTS

LEVEL 3

- Corridor reduced by 17 ½" total; 8 ½" to be removed from each side
- Removal/realignment to follow existing pattern; pattern repeats every 6 ½" / 13"
- Will remove 13" of pattern (orange) and add 4 ¼" of repurposed mosaic at wall
SMITHSONIAN INSTITUTION BUILDING (SIB)

SOUTH TOWER ELEVATOR | INTERIOR EFFECTS
MOSAIC REMOVAL & SALVAGE (PRESENTED FOR CP11)
*PREFERRED APPROACH

UPPER
• 11 SF of light beige removed
• 5 SF of light beige to be reused at wall

LOWER
• 5.25 SF of light beige removed
• 2.6 SF of light beige to be reused at wall

remove & salvage

UPPER MOSAIC - AREA OF REMOVAL & SALVAGE

remove & salvage

LOWER MOSAIC - AREA OF REMOVAL & SALVAGE
SMITHSONIAN INSTITUTION BUILDING (SIB)

SOUTH TOWER ELEVATOR | INTERIOR EFFECTS
EXISTING WIDTH

8’-8”
SMITHSONIAN INSTITUTION BUILDING (SIB)

SOUTH TOWER ELEVATOR | INTERIOR EFFECTS
PROPOSED WIDTH
OPTION 1a - MARBLE INFILL (PREFERRED OPTION)

7’-3”

MARBLE INFILL

MARBLE INFILL
SMITHSONIAN INSTITUTION BUILDING (SIB)

SOUTH TOWER ELEVATOR | INTERIOR EFFECTS
PROPOSED WIDTH
OPTION 1b - MOSAIC INFILL

MOSAIC INFILL

7’-3”

MOSAIC INFILL
SMITHSONIAN INSTITUTION BUILDING (SIB)

SOUTH TOWER ELEVATOR | INTERIOR EFFECTS
PROPOSED WIDTH
OPTION 2 – REMOVE MOSAIC AT WALL

- 8 ¾” of mosaic to be removed from each side
- Pattern not reconstructed

MIN. AREA TO BE REMOVED

UPPER MOSAIC

MOSAIC CUT AT WALL

13”
BASEMENT WINDOWS AND DOORS

EXTENT OF EXISTING MASONRY REMOVALS
SMITHSONIAN INSTITUTION BUILDING (SIB)

WINDOWS | EXTENTS OF EXISTING MASONRY REMOVALS
SOUTH ELEVATION

Proposed Removals in Existing Masonry
Proposed Infills in Existing Masonry
SMITHSONIAN INSTITUTION BUILDING (SIB)

WINDOWS | EXTENTS OF EXISTING MASONRY REMOVALS
EXISTING PHOTOGRAPHS FROM SURVEY

EXISTING DOOR AT SOUTHEAST OF GREAT HALL

EXISTING WINDOW AND AT SOUTHEAST OF GREAT HALL

GREAT HALL SOUTHEAST ELEVATION
SMITHSONIAN INSTITUTION BUILDING (SIB)

WINDOWS | EXTENTS OF EXISTING MASONRY REMOVALS
EXISTING PHOTOGRAPHS FROM SURVEY

EXISTING DOOR AT SOUTHEAST OF GREAT HALL

EXISTING WINDOW WELL DEPTH (36" +/-)

EXISTING WINDOW AND AT SOUTHEAST OF GREAT HALL

GREAT HALL SOUTHEAST ELEVATION

Smithsonian Institution
SMITHSONIAN INSTITUTION BUILDING (SIB)

WINDOWS | EXTENTS OF EXISTING MASONRY REMOVALS
STRUCTURAL TESTPIT FINDINGS

DIAGRAM OF BELOW GRADE EXTERIOR ASSEMBLY

IMAGES FROM STRUCTURAL TESTPIT EXPLORATION
SMITHSONIAN INSTITUTION BUILDING (SIB)

WINDOWS | EXTENTS OF EXISTING MASONRY REMOVALS
GREAT HALL SOUTHEAST ELEVATION

EXISTING SENECA SANDSTONE UNIT
EXISTING RUBBLE STONE
EXISTING BRICK MASONRY

SMITHSONIAN REVITALIZATION OF THE HISTORIC CORE
68
SMITHSONIAN INSTITUTION BUILDING (SIB)

WINDOWS | EXTENTS OF EXISTING MASONRY REMOVALS
GREAT HALL SOUTHEAST ELEVATION
SMITHSONIAN INSTITUTION BUILDING (SIB)

WINDOWS | EXTENTS OF EXISTING MASONRY REMOVALS
GREAT HALL SOUTHEAST ELEVATION
SMITHSONIAN INSTITUTION BUILDING (SIB)

WINDOWS | EXTENTS OF EXISTING MASONRY REMOVALS
GREAT HALL SOUTHEAST ELEVATION

EXISTING SENECA SANDSTONE UNIT
EXISTING RUBBLE STONE
EXISTING BRICK MASONRY
NEW INFILL IN EXISTING OPENINGS

EXISTING SENECA SANDSTONE UNITS TO BE REMOVED FOR NEW WINDOW OPENING AND TO BE CUT AND REPLACED.
Questions or Comments

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LANDSCAPE
SOUTH ENTRY RAMP, RAILINGS, PAVING
SMITHSONIAN INSTITUTION BUILDING (SIB)

LANDSCAPE | SOUTH ENTRY RAMP
PROPOSED OPTIONS

PREFERRED OPTION

OPTION 1

OPTION 2

OPTION 3

OPTION 4
SMITHSONIAN INSTITUTION BUILDING (SIB)

LANDSCAPE | SOUTH ENTRY RAMP
OPTION 1 - PLAN
PREFERRED OPTION
SMITHSONIAN INSTITUTION BUILDING (SIB)

LANDSCAPE | SOUTH ENTRY RAMP
OPTION 1 - VISUALIZATIONS
RAILINGS
NORTH RAMPS, AREAWAYS
SMITHSONIAN INSTITUTION BUILDING (SIB)

LANDSCAPE | RAILING
RAILING TYPE LOCATIONS
PRESENTED AT CP MEETING #11

EXISTING SIB NORTH RAMP RAILING

NW HAUPT GARDEN GATE

GUARDRAIL LOCATIONS

LEVEL 1

GUARDRAIL #1 - DECORATIVE LOCATION RAMPS AND PRIMARY ENTRIES
GUARDRAIL #2 - SEMI-DECORATIVE LOCATION AREWAYS AND WINDOW WELLS
GUARDRAIL #3 - GATE
SMITHSONIAN INSTITUTION BUILDING (SIB)

LANDSCAPE | RAILING
RAILING TYPE LOCATIONS
UPDATED LOCATIONS

Guardrail Locations

Level 1

Existing SIB North Ramp Railing

NW Haupt Garden Gate

GuardRail #1 - Decorative Location: Ramps and Primary Entries
GuardRail #2 - Semi-Decorative Location: Areaways and Window Wells
GuardRail #2 - Gate
SMITHSONIAN INSTITUTION BUILDING (SIB)

LANDSCAPE | RAILING
TYPICAL ELEVATION

NORTH ENTRY RAMP

AREAWAYS

RAMP GUARDRAIL / HANDRAIL

AREAWAY / WINDOW WELLS
SEMI-DECORATIVE GUARDRAIL WITH FINIAL
REPLACEMENT MATERIALS
SANDSTONE, ROOFING SLATE
SMITHSONIAN INSTITUTION BUILDING (SIB)

REPLACEMENT MATERIALS | SANDSTONE

L to R: SENECA RED, ST. BEES, LOCHARBRIGGS, LOCHSLEY

ST. BEES
SMITHSONIAN INSTITUTION BUILDING (SIB)

REPLACEMENT MATERIALS | SLATE

SLATES AVAILABLE FOR REVIEW AND DISCUSSION
SMITHSONIAN INSTITUTION BUILDING (SIB)

REPLACEMENT MATERIALS | ROOFING SLATE
SOURCE: HILLTOP SLATE, VERMONT STRUCTURAL SLATE CO.

HILLTOP SLATE

8 AM
UPPER: UNFADING GRAY (PREFERRED)
LOWER: GRAY BLACK

12 PM
UPPER: UNFADING GRAY (PREFERRED)
LOWER: GRAY BLACK

VERMONT STRUCTURAL SLATE CO.

8 AM
LEFT: GRAYSON SLATE
RIGHT: HENDRICKS SLATE (PREFERRED)

12 PM
LEFT: GRAYSON SLATE
RIGHT: HENDRICKS SLATE (PREFERRED)
SMITHSONIAN INSTITUTION BUILDING (SIB)

REPLACEMENT MATERIALS | ROOFING SLATE
SOURCE: EVERGREEN SLATE CO.

8 AM
LEFT: VERMONT BLACK (PREFERRED)
RIGHT: MOTTLED GRAY-BLACK

12 PM
LEFT: VERMONT BLACK (PREFERRED)
RIGHT: MOTTLED GRAY-BLACK
SMITHSONIAN INSTITUTION BUILDING (SIB)

REPLACEMENT MATERIALS | ROOFING SLATE
EXISTING CONDITION
SEISMIC JOINT COVER
STONE OPTIONS
SMITHSONIAN INSTITUTION BUILDING (SIB)

JOINT COVER MATERIALS | COMPARISON OF GRANITES AND BLUESTONE

SAMPLES AGAINST SANDSTONE: (L to R) ACADEMY BLACK, VIRGINIA MIST, OLYMPIC BLACK, JET MIST, BLUESTONE

SAMPLES AGAINST PLANTING BED: (L to R) ACADEMY BLACK, VIRGINIA MIST, OLYMPIC BLACK, JET MIST, BLUESTONE
Upcoming Section 106 Consultation Meetings

<table>
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<tr>
<th>Milestone</th>
<th>Date</th>
<th>Meeting Content *</th>
</tr>
</thead>
<tbody>
<tr>
<td>Consulting Parties Meeting #13</td>
<td>May 24, 2023</td>
<td>• Roof Modifications&lt;br&gt;• Emergency Egress (East Range)&lt;br&gt;• Roof Access&lt;br&gt;• Perimeter Security</td>
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<tr>
<td>Consulting Parties Meeting #14</td>
<td>June 28, 2023</td>
<td>• Areaway&lt;br&gt;  • Materials&lt;br&gt;  • Interior Impact&lt;br&gt;  • Windows (and Interior Effects)</td>
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Phase 2 Section 106 Consultation Continues through 2023
*Assessment of Effects on Historic Resources Report will be revised through consultation for Phase 2 actions*

* Subject to Change
RoHC Revitalize Castle – Next Steps

• Phase 1 Final Submission approved by the Commission of Fine Arts on February 16, 2023
• Phase 1 Final Submission reviewed by the National Capital Planning Commission on April 6, 2023
• 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
• Contact Carly with questions or any trouble with the recurring Zoom Webinar.

Please visit the project webpage: https://www.sifacilities.si.edu/historic-core
Questions or Comments

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