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 Smithsonian Institution
Revitalization of the Historic Core
CONSULTING PARTIES MEETING #15
July 26, 2023

Audio Settings ^ Raise Hand Q&A Leave Meeting

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- 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 #15

July 26, 2023

PANEL OF SPEAKERS

MODERATOR

Carly Bond, Historic Preservation Specialist

PRESENTERS / PANELISTS

Brenda Sanchez, FAIA, Sr. Design Manager

Christopher Lethbridge, Architect/Program Manager

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**
- **Basement Windows and Doors**
 - **Including Interior Effects**
- **Window Replacement**
 - **Window Design & Muntin Profile**
 - **Interior Effects**
 - **Anchorage Details**
- **Interior Effects of Lowering B0 Floor**
- **Review of July 11th Site Visit**
- **Resolution of Pending Items**
 - **Perimeter Security - Stone Selection**
 - **Accessible Walkway - Cladding**
 - **Planting Plan**
 - **Areaway Materials**
- **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 |
| SITE AND LANDSCAPE | | | | |
| New Landscape Planting Plan | Planting Plan Paving Systems | Options Reviewed Reviewed and accepted | No Adverse Effect | CP6, CP14 CP 11 |
| Perimeter Security | Overall layout Bollards Hardened furnishings and signs | Reviewed and accepted Reviewed - preferences provided Reviewed - preferences provided | Adverse Effect | CP7, CP8 CP14 CP14 |
| Site Lighting | Jefferson Drive- Olmsted Fixtures Layout | Reviewed and Accepted Reviewed and Accepted | No Adverse Effect No Adverse Effect | CP4, CP14 CP4, CP14 |
| 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 | Reviewed and accepted Reviewed and accepted Reviewed and accepted | No Adverse Effect No Adverse Effect No Adverse Effect | CP11, CP13, CP14 CP11, CP13 CP11, CP13 |
| North Entrance | Plan Layout Materials Railings | Reviewed and accepted Reviewed and accepted Reviewed and accepted | Adverse Effect No Adverse Effect No Adverse Effect | CP7, CP8 CP11, CP14 CP11, CP14 |
| ROOF AREA | | | | |
| 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 | Reviewed and accepted Reviewed and accepted Reviewed and accepted Reviewed and accepted | Adverse Effect Adverse Effect Adverse Effect Adverse Effect | CP11 CP11 CP11 CP11 |
| Replacement of Roof Materials | Slate- match for existing (historic?) | Reviewed and accepted | No Adverse Effect | CP12 |
| Roof Modifications- Energy Improvements | Dimensional changes at edges due to roof | Reviewed and accepted | No Adverse Effect | CP13, CP14 |
| Rooftop Mechanical Penthouses | Location and sizes Visibility | Reviewed and accepted Reviewed and accepted | Adverse Effect Adverse Effect | CP10, CP11, CP12, CP14 CP10, CP11, CP12, CP14 |
| East Wing 4th Floor Egress | Guardrail Changes to existing windows (East and West) | Reviewed and accepted Reviewed and accepted | Adverse Effect Adverse Effect | CP13 CP13 |
| Lightning Protection | Layout Device details | Reviewed and accepted Reviewed and accepted | No Adverse Effect | CP10, CP11 CP10 |
| Fall Protection | Layout Device details | Reviewed and accepted Reviewed and accepted | Adverse Effect Adverse Effect | CP13 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 |
| EXTERIOR WALLS | | | | |
| 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 | Replacement material - St. Bees Sandstone | Reviewed and accepted | No Adverse Effect | CP10 |
| 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 | Reviewed and accepted Reviewed and accepted | No Adverse Effect No Adverse Effect | CP14 CP14 |
| AREAWAYS AND WINDOW WELLS | | | | |
| Areaways and Window Wells- Finishes | Below Seneca sandstone Flooring and seismic joint Concrete retaining wall Stairs | Options Reviewed | | CP14 |
| Emergency Generator | Visibility | Reviewed and accepted | No Adverse Effect | CP10 |

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 |
|---|--|-------------------------------|
| Signage | <ul style="list-style-type: none"> • Proposed signage program results in an overall reduction in the amount of signage adjacent to the Castle | No Adverse Effect |
| Lighting | <ul style="list-style-type: none"> • Olmsted and Victorian light posts are in keeping with National Mall and Haupt Garden settings | No Adverse Effect |
| Building Lighting | <ul style="list-style-type: none"> • Lighting installed with non-visible fixtures in the landscape and on the Castle | No Adverse Effect |
| Roof Modifications – Energy Improvements, Including Increases in Roof Thickness | <ul style="list-style-type: none"> • Roof changes will not result in discernible impacts from grade | No Adverse Effect |

RoHC Revitalize Castle – Status of Design Review Items

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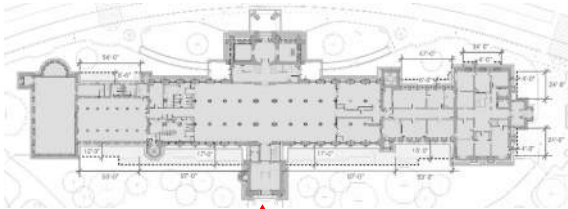
Assessment of Effects on Historic Resources Report - Updates

| Feature/Action | Summary | Proposed Effect Determination |
|--|--|-------------------------------|
| Alterations at the South Entrance to Improve Accessibility | <ul style="list-style-type: none">• Walkway paved with salvaged materials• Historic sandstone steps and door surround remain visible | No Adverse Effect |
| Accessible Walkways at the North Entrance | <ul style="list-style-type: none">• Historic fabric will not be removed or obscured by the construction of the walkways• Setting maintained through use of curvilinear paths, plantings, and paving materials | No Adverse Effect |

BASEMENT WINDOWS AND DOORS

SMITHSONIAN INSTITUTION BUILDING (SIB)

BASEMENT WINDOWS AND DOORS | EXISTING
MAIN BUILDING SOUTH - ELEVATION



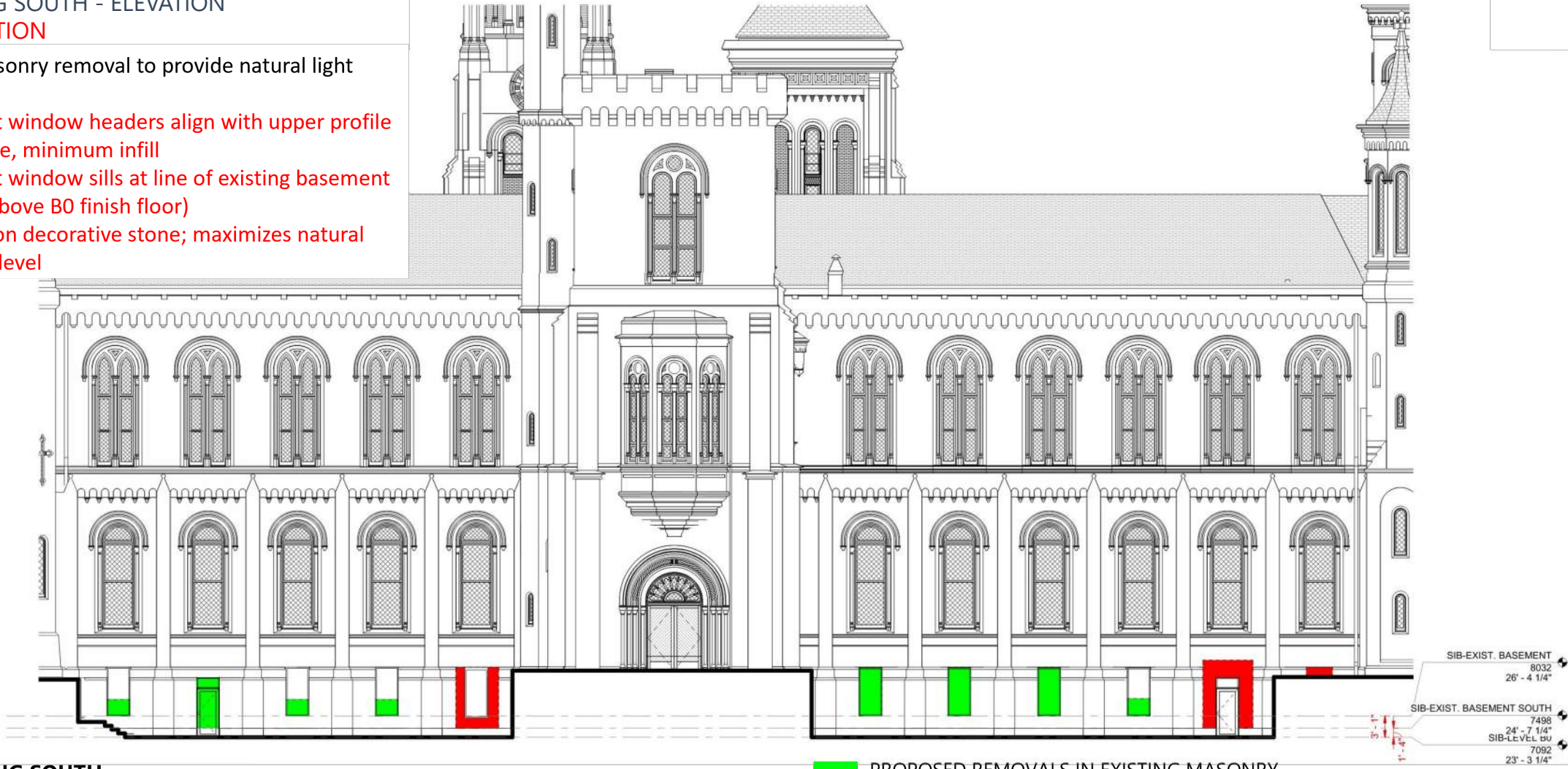
SIB-EXIST. BASEMENT
8032
26' - 4 1/4"
SIB-EXIST. BASEMENT SOUTH
7498
24' - 7 1/4"

MAIN BUILDING SOUTH
ELEVATION - EXISTING

SMITHSONIAN INSTITUTION BUILDING (SIB)

BASEMENT WINDOWS AND DOORS MAIN BUILDING SOUTH - ELEVATION PREFERRED OPTION

- Requires masonry removal to provide natural light into B0 level
- All basement window headers align with upper profile of water table, minimum infill
- All basement window sills at line of existing basement level (3'-1" above B0 finish floor)
- Least effect on decorative stone; maximizes natural light into B0 level



MAIN BUILDING SOUTH
ELEVATION - PROPOSED

- PROPOSED REMOVALS IN EXISTING MASONRY
- PROPOSED INFILLS IN EXISTING MASONRY

SMITHSONIAN INSTITUTION BUILDING (SIB)

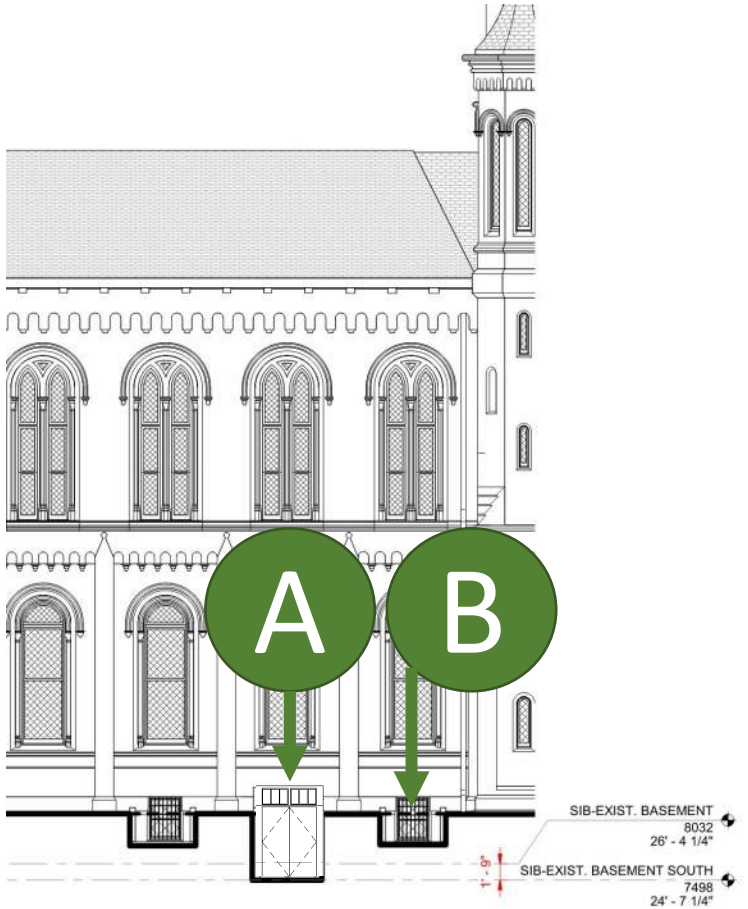
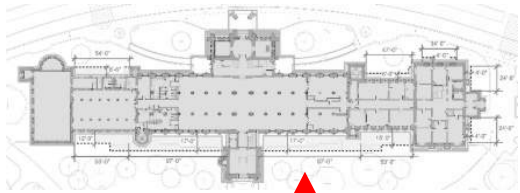
BASEMENT WINDOWS AND DOORS | EXISTING PHOTOGRAPHS FROM SURVEY



EXISTING DOOR AT SOUTHEAST OF GREAT HALL



EXISTING WINDOW AT SOUTHEAST OF GREAT HALL



GREAT HALL SOUTHEAST ELEVATION

SMITHSONIAN INSTITUTION BUILDING (SIB)

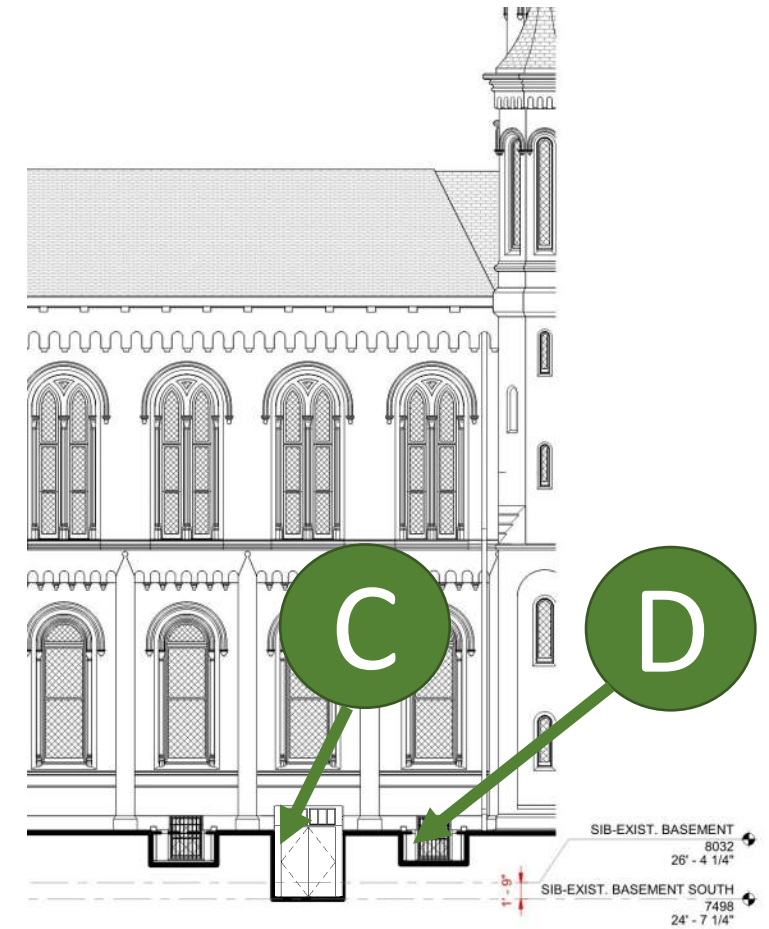
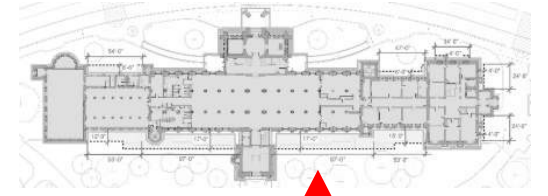
BASEMENT WINDOWS AND DOORS | EXISTING PHOTOGRAPHS FROM SURVEY



EXISTING DOOR AT SOUTHEAST OF GREAT HALL



EXISTING WINDOW AT SOUTHEAST OF GREAT HALL



GREAT HALL SOUTHEAST ELEVATION

SMITHSONIAN INSTITUTION BUILDING (SIB)

BASEMENT WINDOWS AND DOORS | EXISTING STRUCTURAL TESTPIT FINDINGS

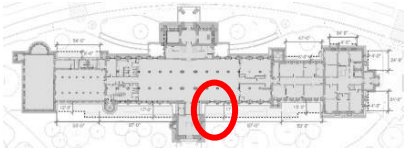
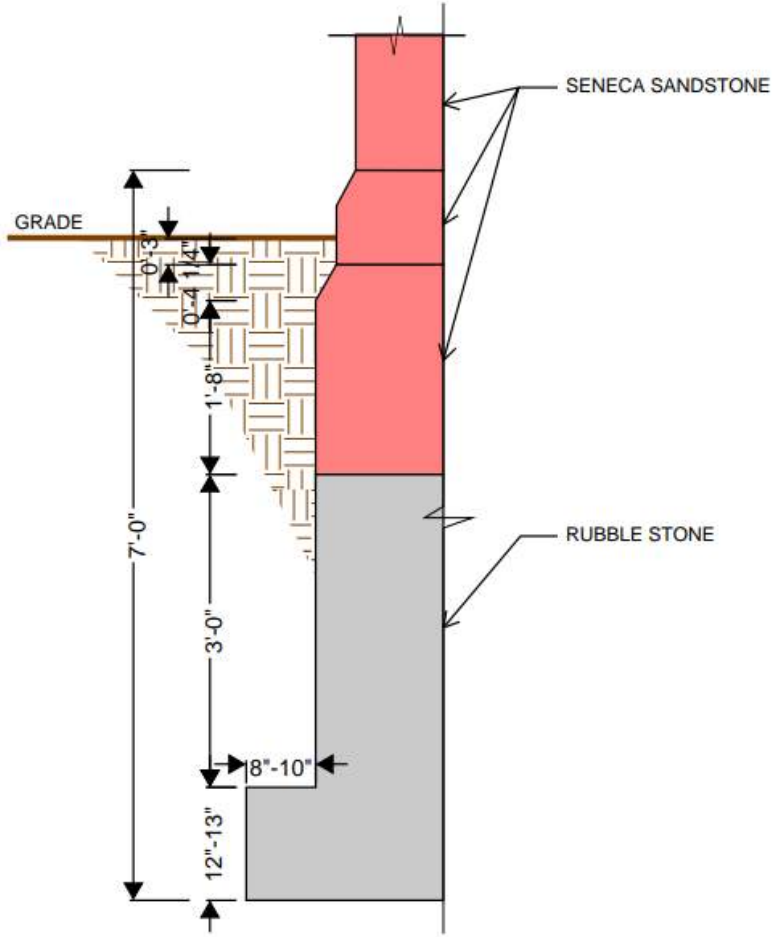
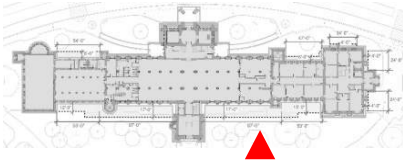


DIAGRAM OF BELOW GRADE EXTERIOR ASSEMBLY

IMAGES FROM STRUCTURAL TESTPIT EXPLORATION

SMITHSONIAN INSTITUTION BUILDING (SIB)

BASEMENT WINDOWS AND DOORS | EXISTING
 MAIN BUILDING – SOUTH (EAST) ELEVATION

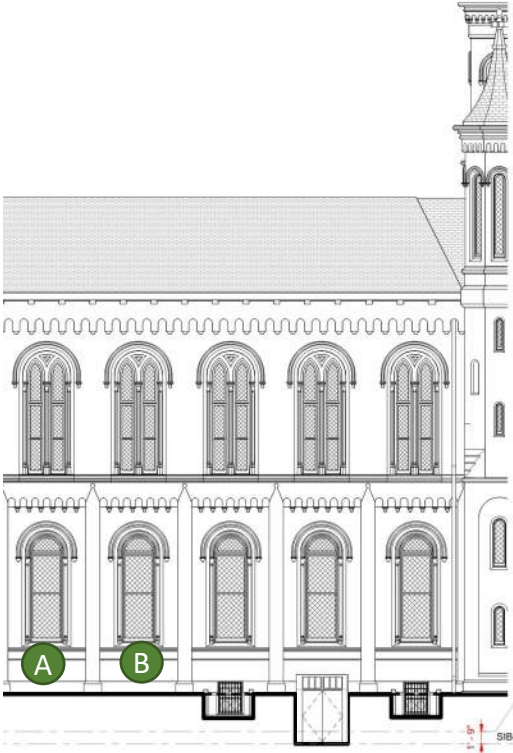
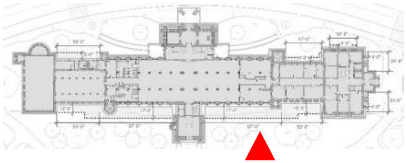
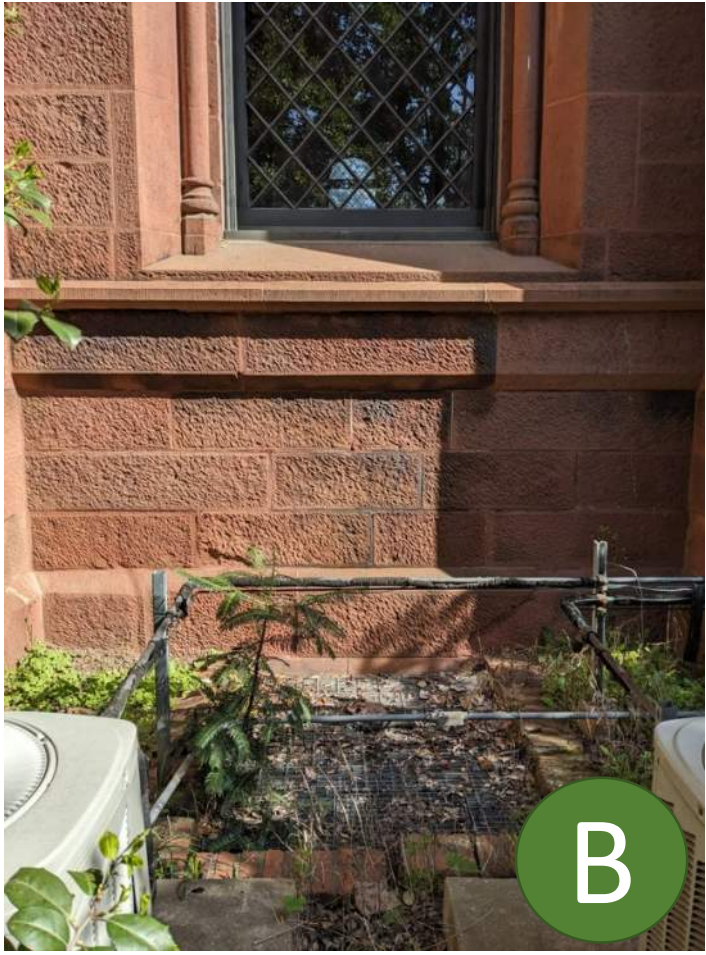


SIB-EXIST. BASEMENT 8032
 26' - 4 1/4"
 SIB-EXIST. BASEMENT SOUTH 7498
 24' - 7 1/4"
 SIB-LEVEL B0 7092
 23' - 3 1/4"

EXISTING SENECA SANDSTONE UNIT
 EXISTING RUBBLE STONE
 EXISTING BRICK MASONRY

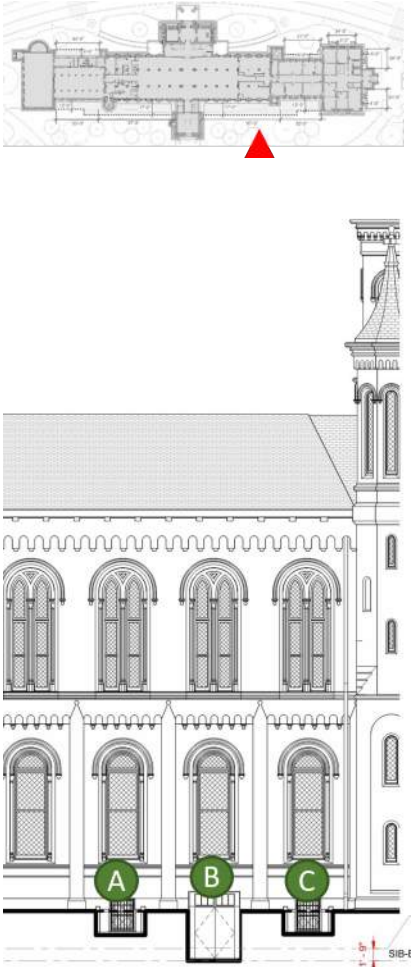
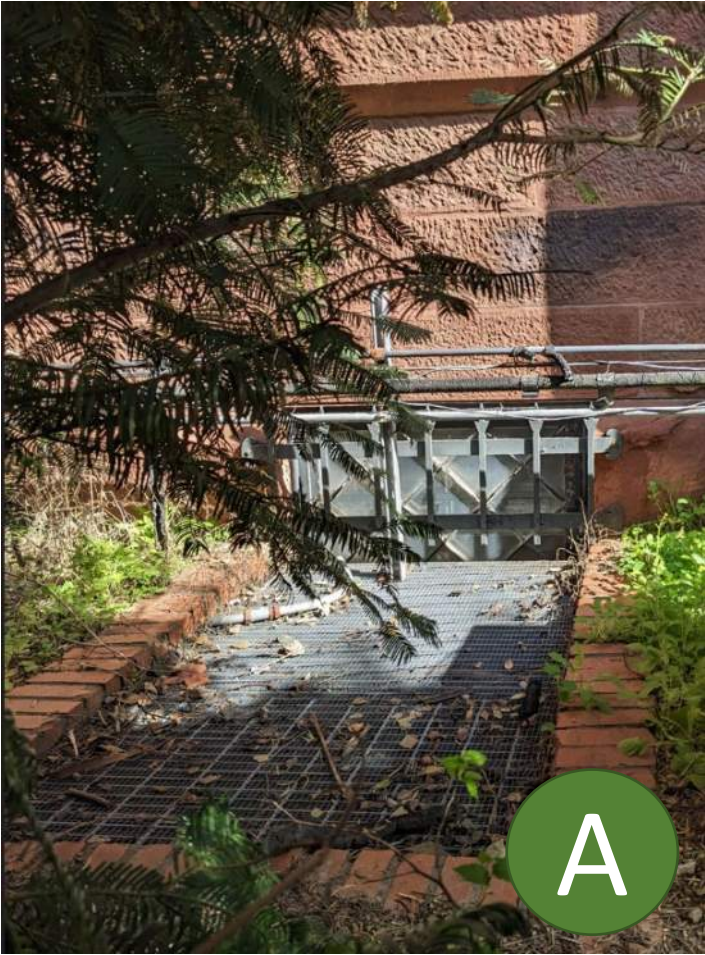
SMITHSONIAN INSTITUTION BUILDING (SIB)

BASEMENT WINDOWS AND DOORS | EXISTING
PHOTOGRAPHS FROM SURVEY



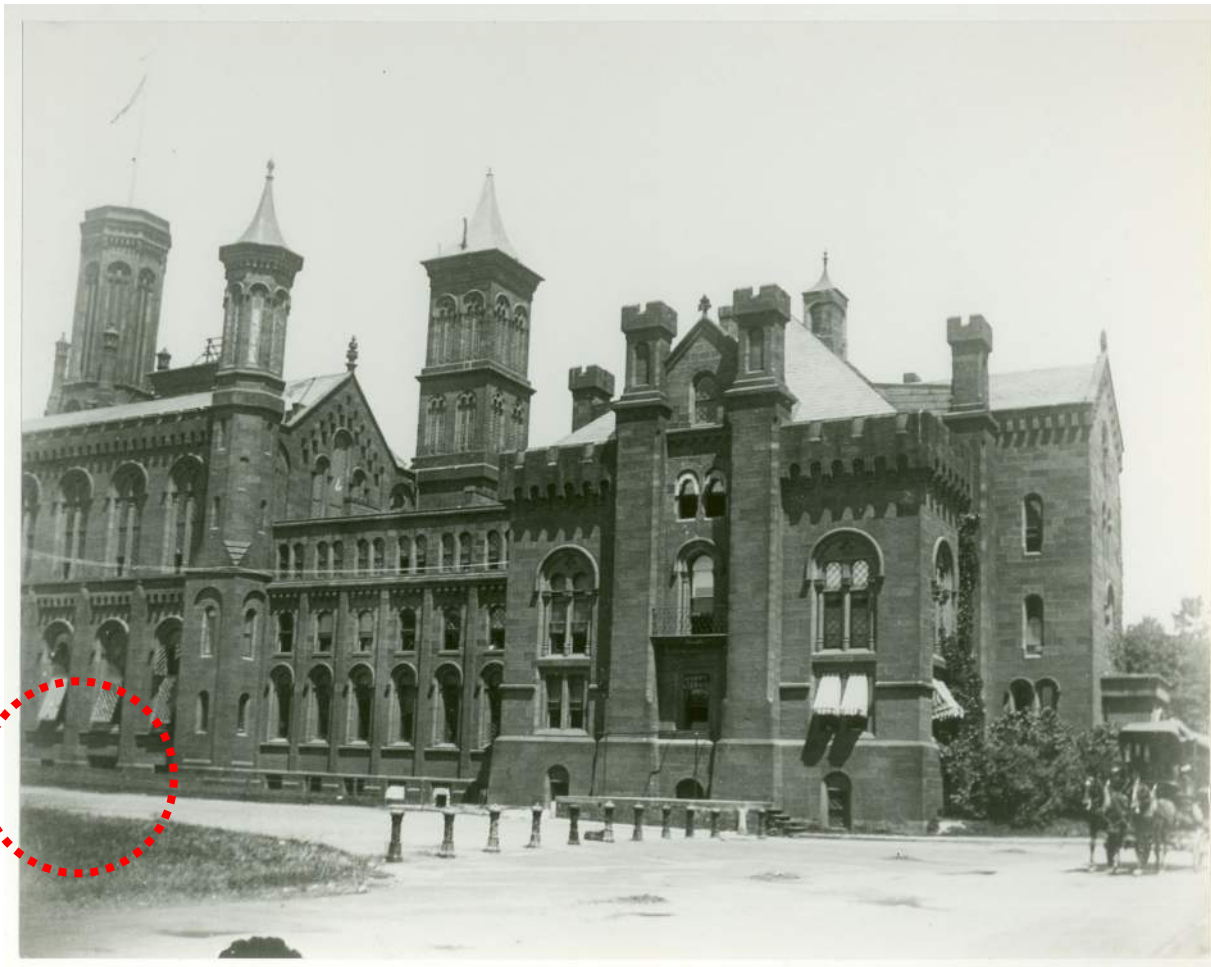
SMITHSONIAN INSTITUTION BUILDING (SIB)

BASEMENT WINDOWS AND DOORS | EXISTING
PHOTOGRAPHS FROM SURVEY



SMITHSONIAN INSTITUTION BUILDING (SIB)

BASEMENT WINDOWS AND DOORS | EXTENTS OF EXISTING MASONRY REMOVALS
MAIN BUILDING – SOUTH (EAST) ELEVATION



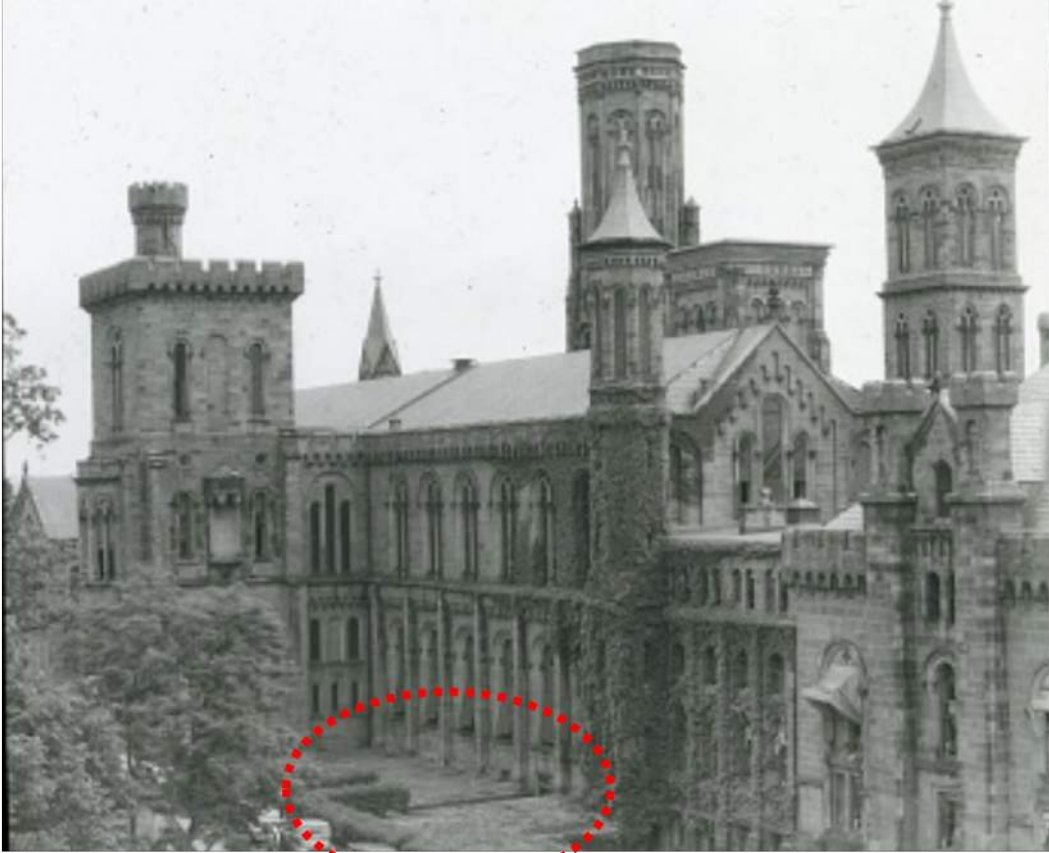
c. 1871



Existing ramp and door at the southeast corner of the Main Building.

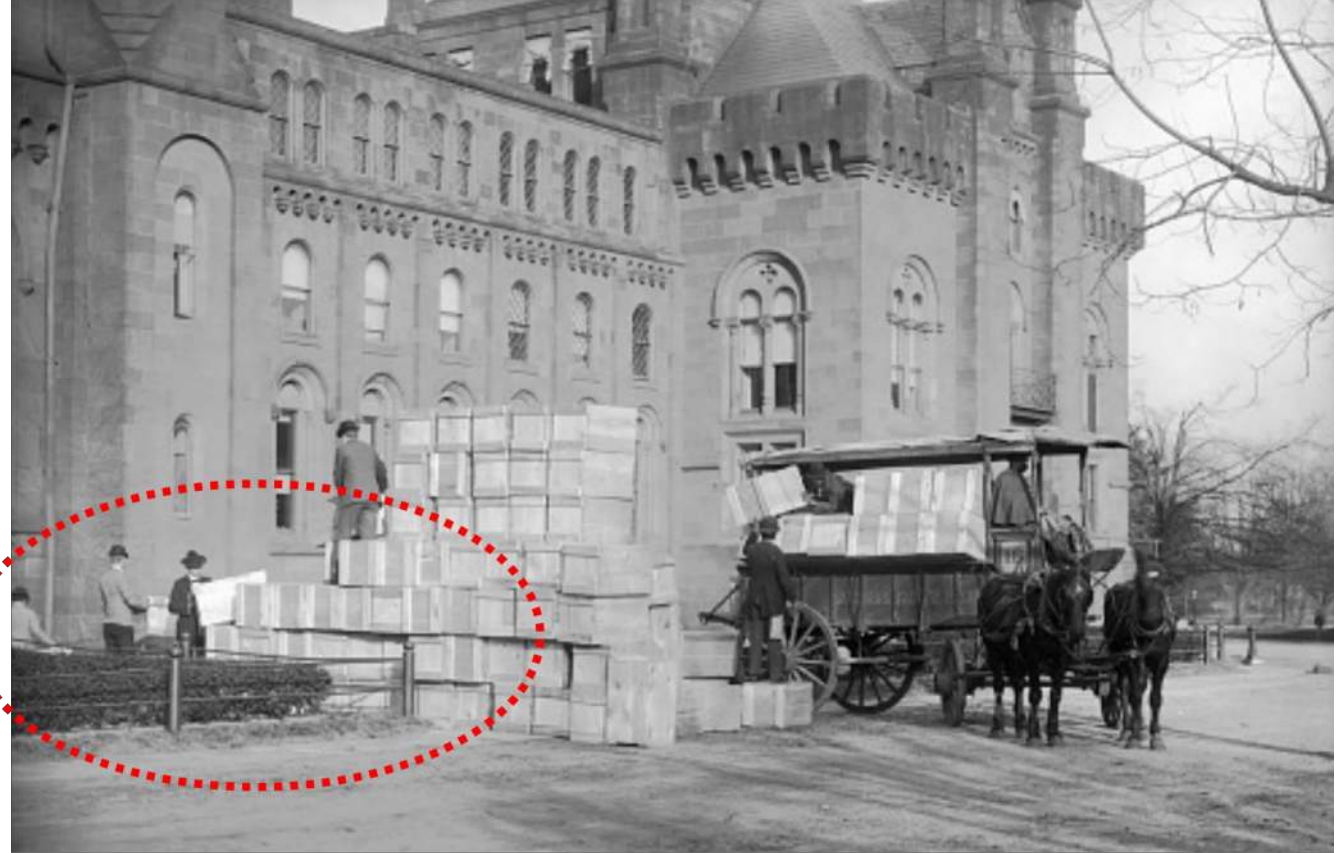
SMITHSONIAN INSTITUTION BUILDING (SIB)

BASEMENT WINDOWS AND DOORS | EXTENTS OF EXISTING MASONRY REMOVALS
MAIN BUILDING – SOUTH (EAST) ELEVATION



c. 1920

- Large portions of the International Exchange Service moved to the basement of the Castle's Main Building, East Wing, and Range beginning in 1870



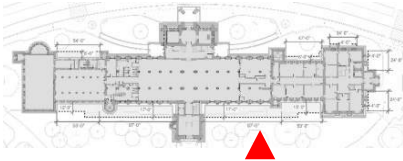
International Exchange Service Deliveries, 1910

- In 1871 the loading ramp and door were installed




SMITHSONIAN INSTITUTION BUILDING (SIB)


BASEMENT WINDOWS AND DOORS | EXTENTS OF EXISTING MASONRY REMOVALS MAIN BUILDING – SOUTH (EAST) ELEVATION

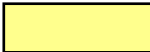


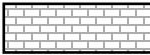
SIB-EXIST. BASEMENT
8032
26' - 4 1/4"

SIB-LEVEL B0
7092
23' - 3 1/4"

 EXISTING SENECA SANDSTONE UNIT

 EXISTING RUBBLE STONE

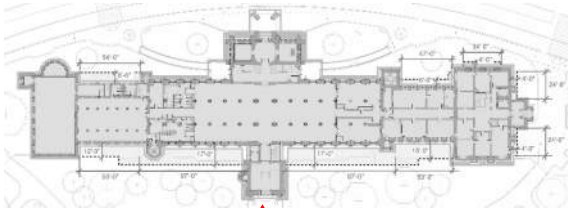
 NEW INFILL IN EXISTING OPENINGS

 EXISTING BRICK MASONRY

 EXISTING SENECA SANDSTONE UNITS TO BE REMOVED FOR **NEW WINDOW** OPENING AND TO BE CUT AND REINSTALLED.

SMITHSONIAN INSTITUTION BUILDING (SIB)

BASEMENT WINDOWS AND DOORS | EXISTING
MAIN BUILDING SOUTH - ELEVATION



SIB-EXIST. BASEMENT
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26' - 4 1/4"
SIB-EXIST. BASEMENT SOUTH
7498
24' - 7 1/4"

MAIN BUILDING SOUTH
ELEVATION - EXISTING

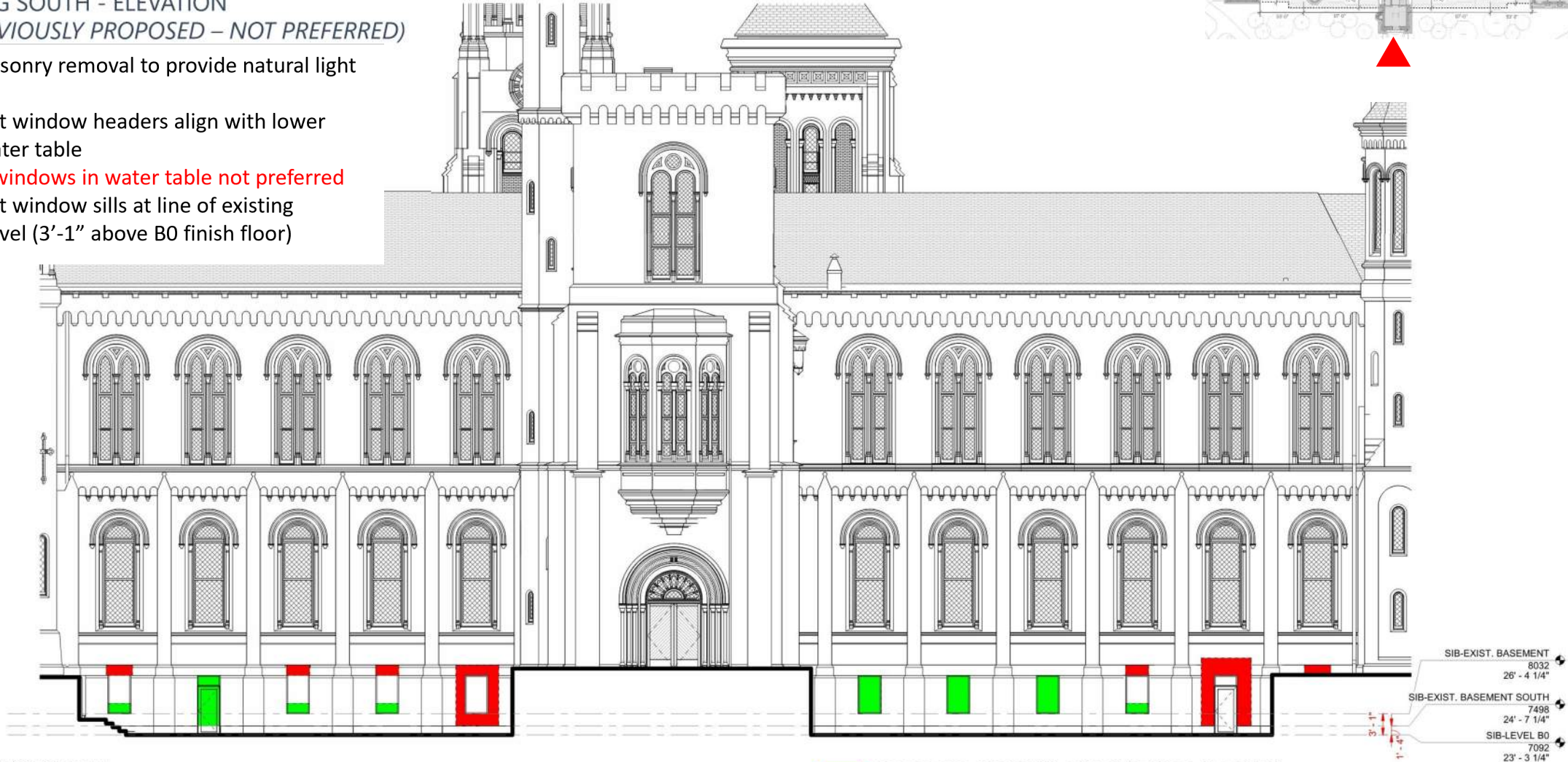
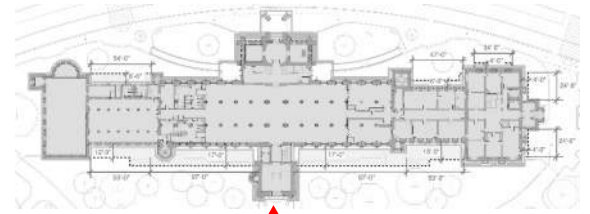
SMITHSONIAN INSTITUTION BUILDING (SIB)

BASEMENT WINDOWS AND DOORS

MAIN BUILDING SOUTH - ELEVATION

OPTION 1 (PREVIOUSLY PROPOSED – NOT PREFERRED)

- Requires masonry removal to provide natural light into B0 level
- All basement window headers align with lower profile of water table
- **Infill above windows in water table not preferred**
- All basement window sills at line of existing basement level (3'-1" above B0 finish floor)



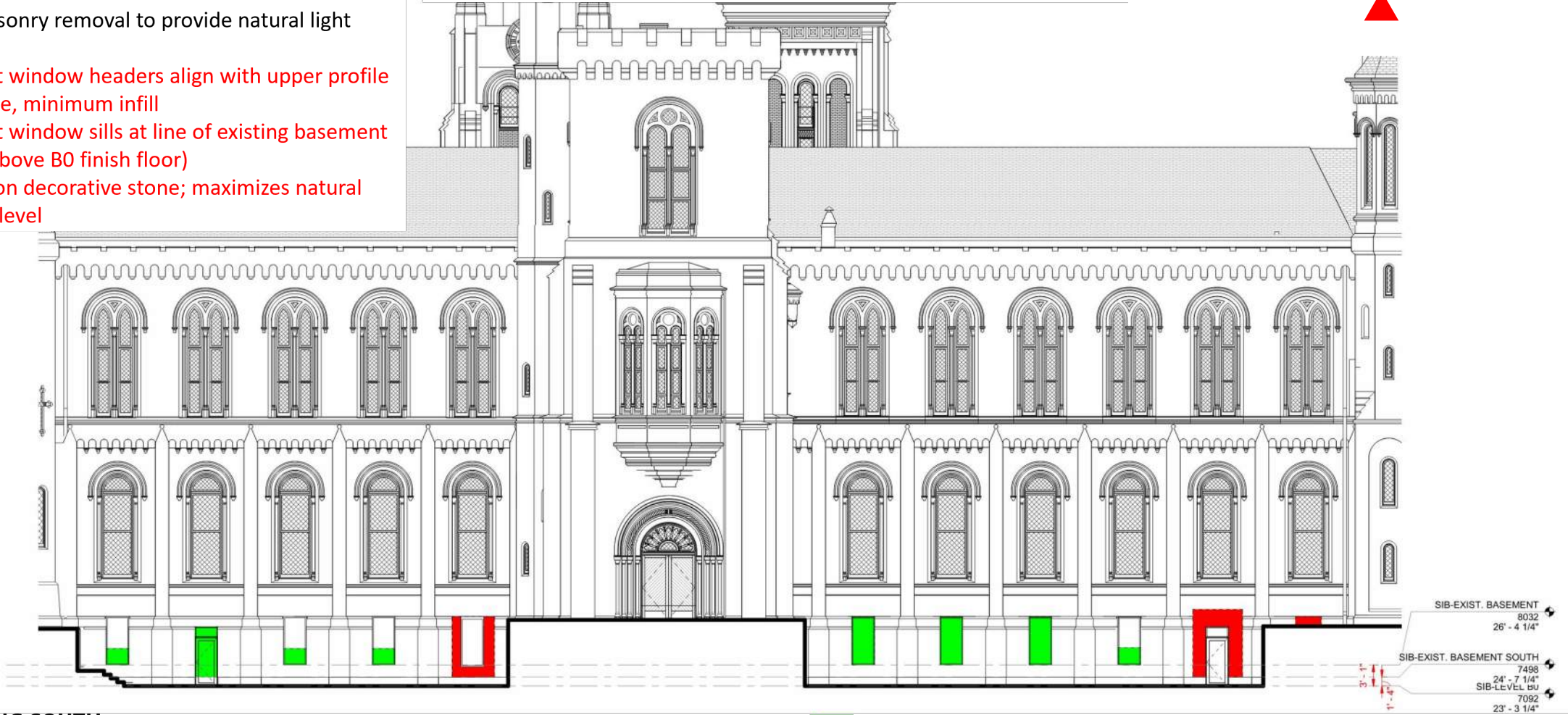
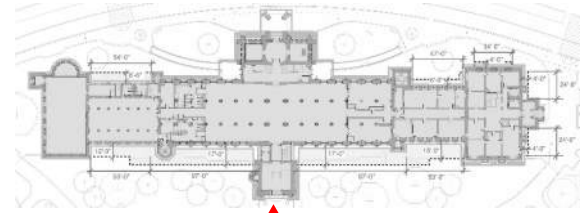
MAIN BUILDING SOUTH
ELEVATION – PROPOSED (OPT 1)

- PROPOSED REMOVALS IN EXISTING MASONRY
- PROPOSED INFILLS IN EXISTING MASONRY

SMITHSONIAN INSTITUTION BUILDING (SIB)

BASEMENT WINDOWS AND DOORS MAIN BUILDING SOUTH - ELEVATION OPTION 2 - *PREFERRED OPTION*

- Requires masonry removal to provide natural light into B0 level
- All basement window headers align with upper profile of water table, minimum infill
- All basement window sills at line of existing basement level (3'-1" above B0 finish floor)
- Least effect on decorative stone; maximizes natural light into B0 level



MAIN BUILDING SOUTH
ELEVATION – PROPOSED (OPT 2)

- PROPOSED REMOVALS IN EXISTING MASONRY
- PROPOSED INFILLS IN EXISTING MASONRY

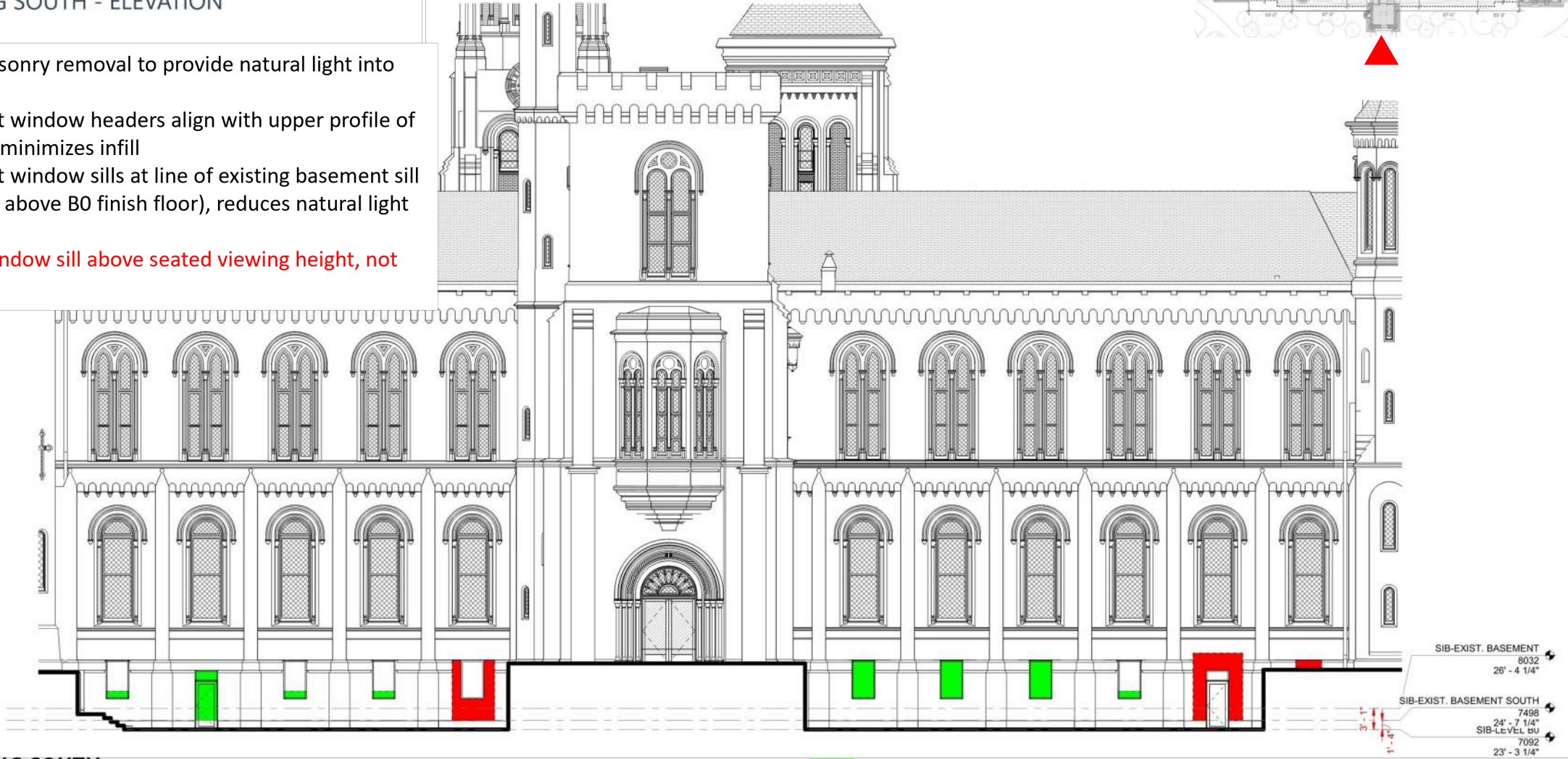
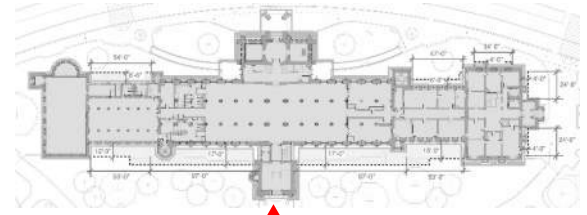
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SIB-EXIST. BASEMENT SOUTH
7498
24' - 7 1/4"
SIB-LEVEL BU
7092
23' - 3 1/4"

SMITHSONIAN INSTITUTION BUILDING (SIB)

BASEMENT WINDOWS AND DOORS MAIN BUILDING SOUTH - ELEVATION OPTION 3

- Requires masonry removal to provide natural light into B0 level
- All basement window headers align with upper profile of water table, minimizes infill
- All basement window sills at line of existing basement sill height (4'-6" above B0 finish floor), reduces natural light to B0 level
- **Proposed window sill above seated viewing height, not preferred**

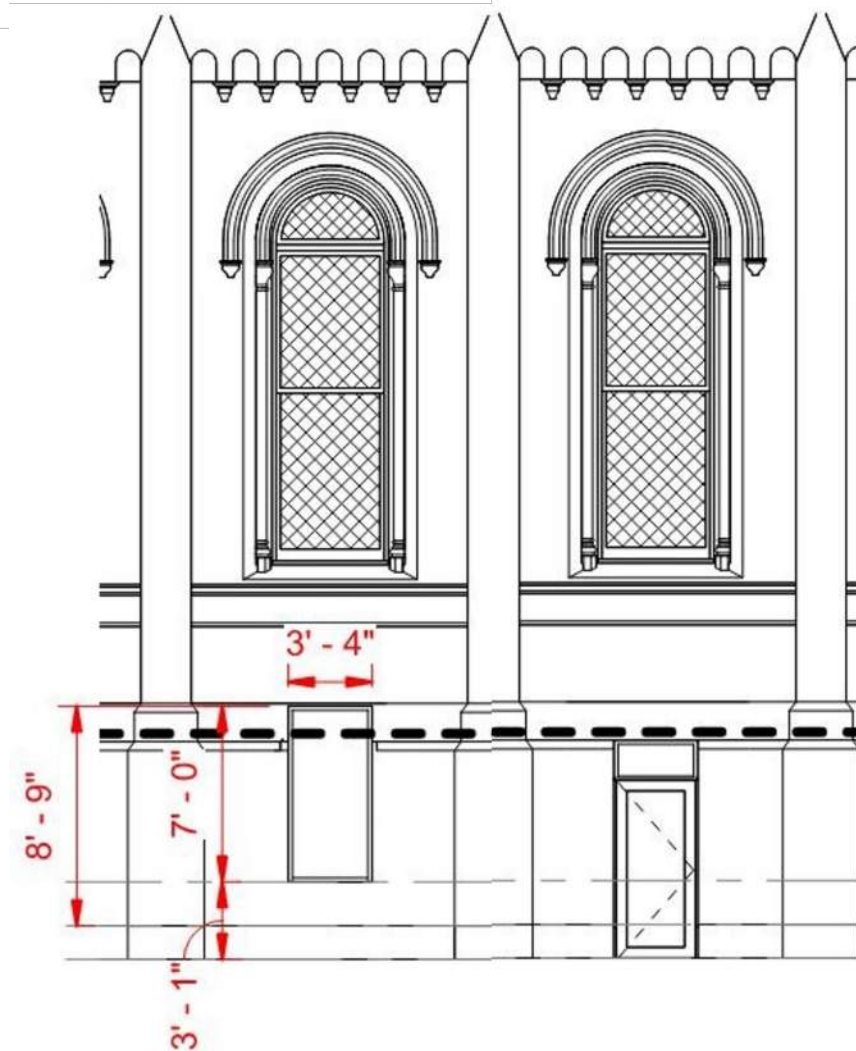
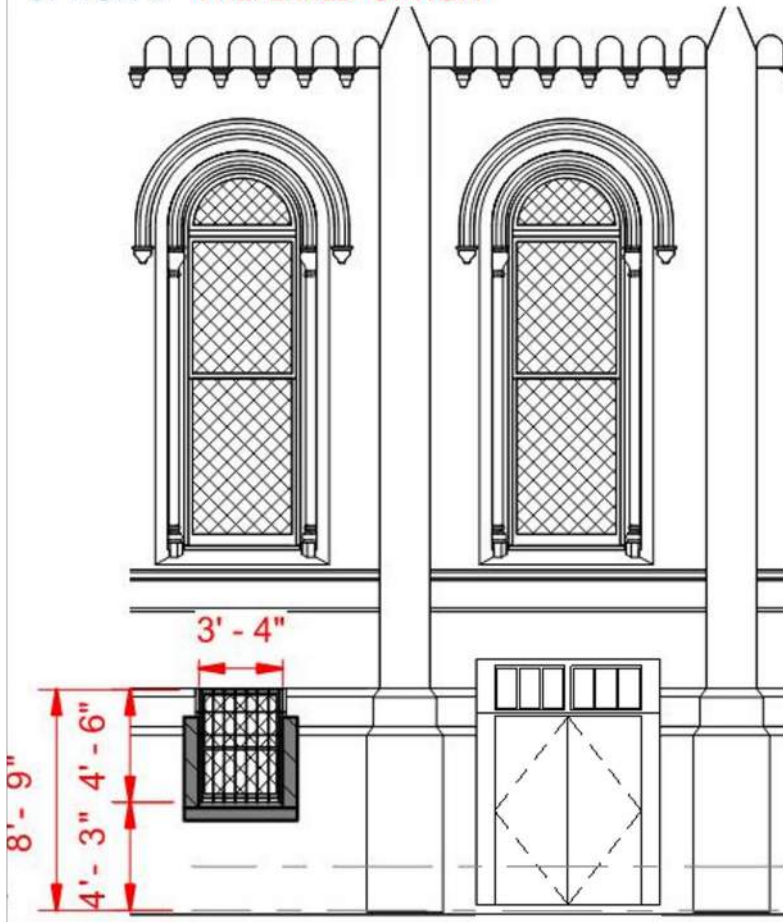


MAIN BUILDING SOUTH
ELEVATION – PROPOSED (OPT 3)

- PROPOSED REMOVALS IN EXISTING MASONRY
- PROPOSED INFILLS IN EXISTING MASONRY

SMITHSONIAN INSTITUTION BUILDING (SIB)

BASEMENT WINDOWS AND DOORS | PROPOSED
 MAIN BUILDING SOUTH - EXTERIOR DETAIL
 OPTION 2 – **PREFERRED OPTION**

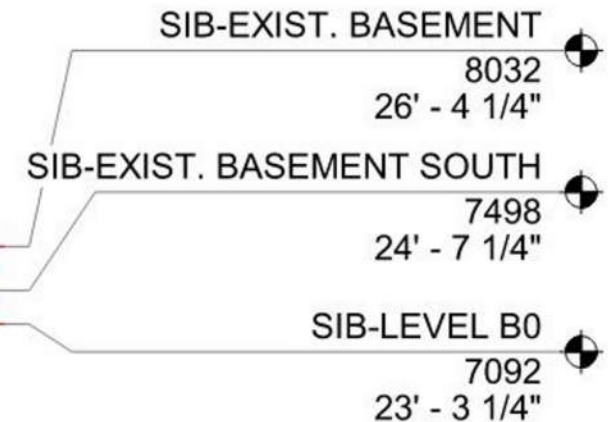


Existing

- 3'-4" wide x 4'-6" high
- Diamond Muntin Pattern
- Single-Hung

Proposed

- 3'-4" wide x 7'-0" high
- Sill dropped to existing basement level
- Head at existing location- top of watertable
- Window heads above grade

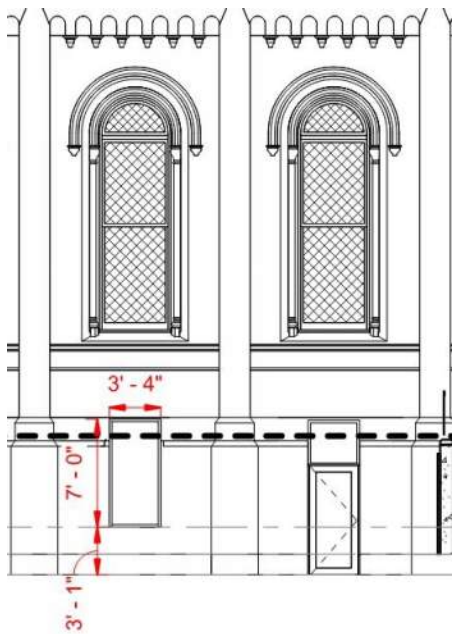


EXISTING MAIN BUILDING SOUTH

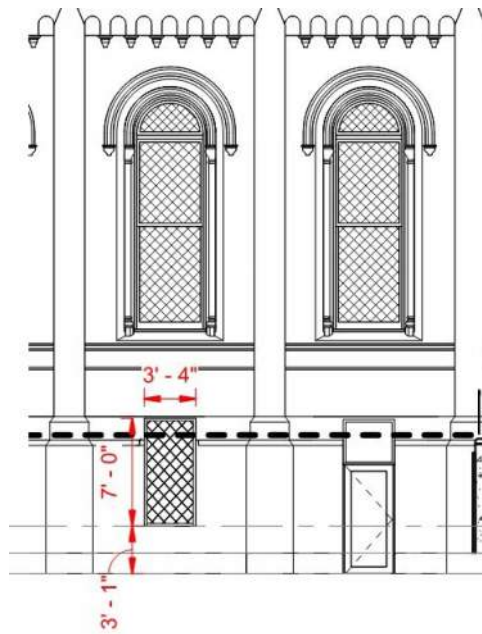
PROPOSED MAIN BUILDING SOUTH – OPTION 2

SMITHSONIAN INSTITUTION BUILDING (SIB)

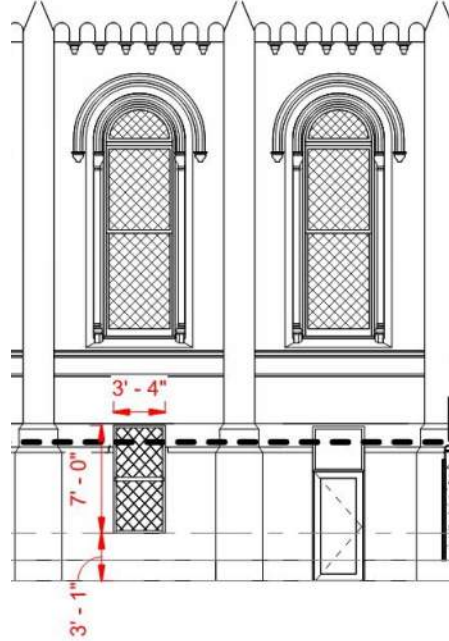
BASEMENT WINDOWS AND DOORS | PROPOSED
MAIN BUILDING SOUTH - EXTERIOR DETAIL
OPTION 2 – SASH OPTIONS



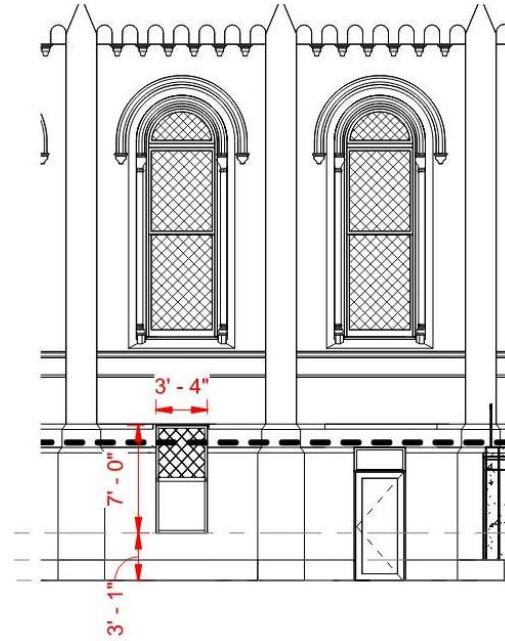
Opt 2A – Free Glass



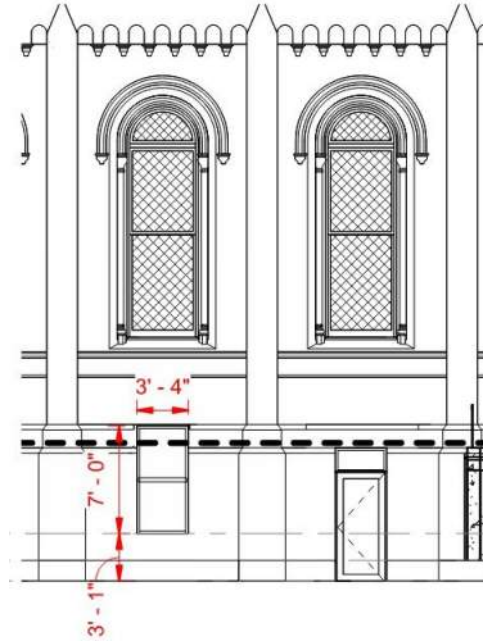
Opt 2B – Diamond



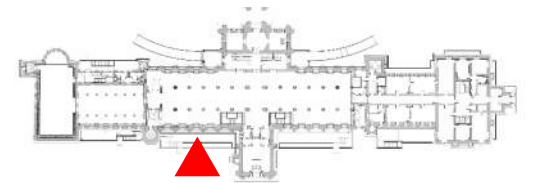
Opt 2C – Full Diamond
"Double" Hung



Opt 2D – Single Hung Diamond
PREFERRED OPTION

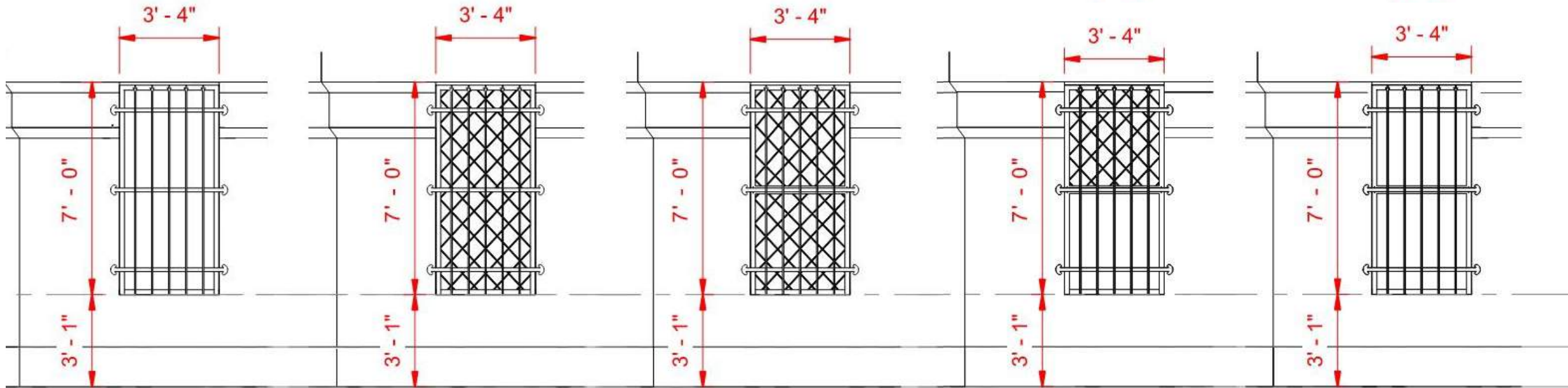


Opt 2E – Single Hung



SMITHSONIAN INSTITUTION BUILDING (SIB)

BASEMENT WINDOWS AND DOORS | PROPOSED
MAIN BUILDING SOUTH - EXTERIOR DETAIL
OPTION 2 – SASH OPTIONS WITH EXTERIOR GRILLES



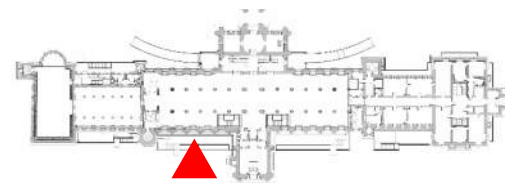
Opt 2A – Free Glass

Opt 2B – Diamond

Opt 2C – Full Diamond
"Double" Hung

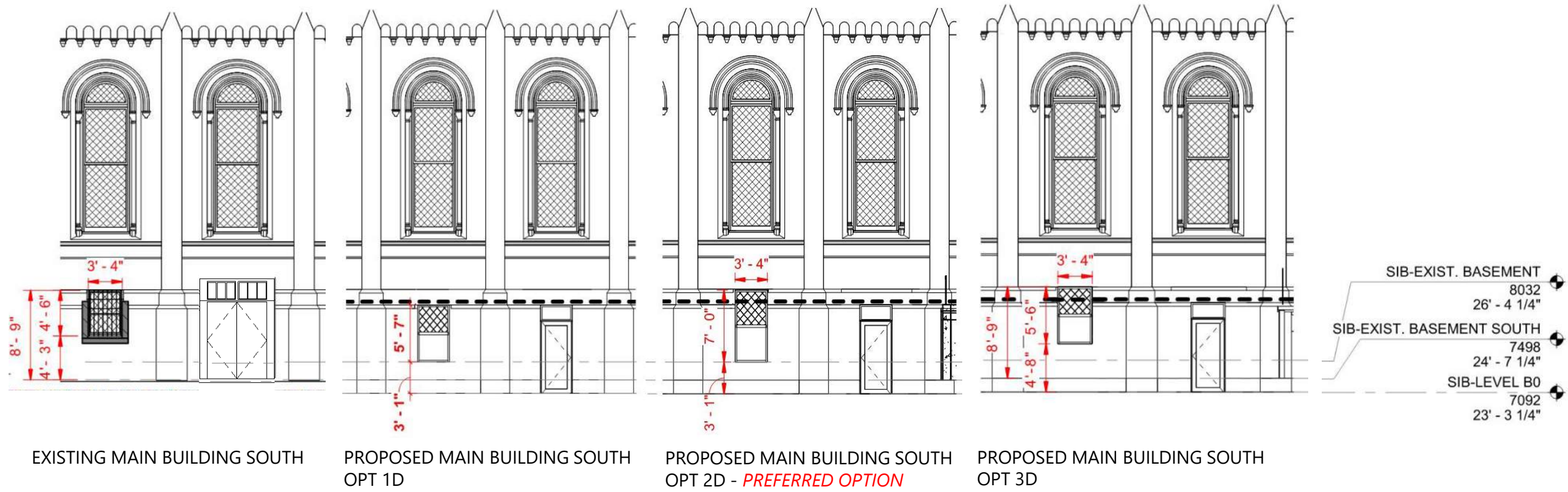
Opt 2D – Single Hung
Diamond
PREFERRED OPTION

Opt 2E – Single Hung



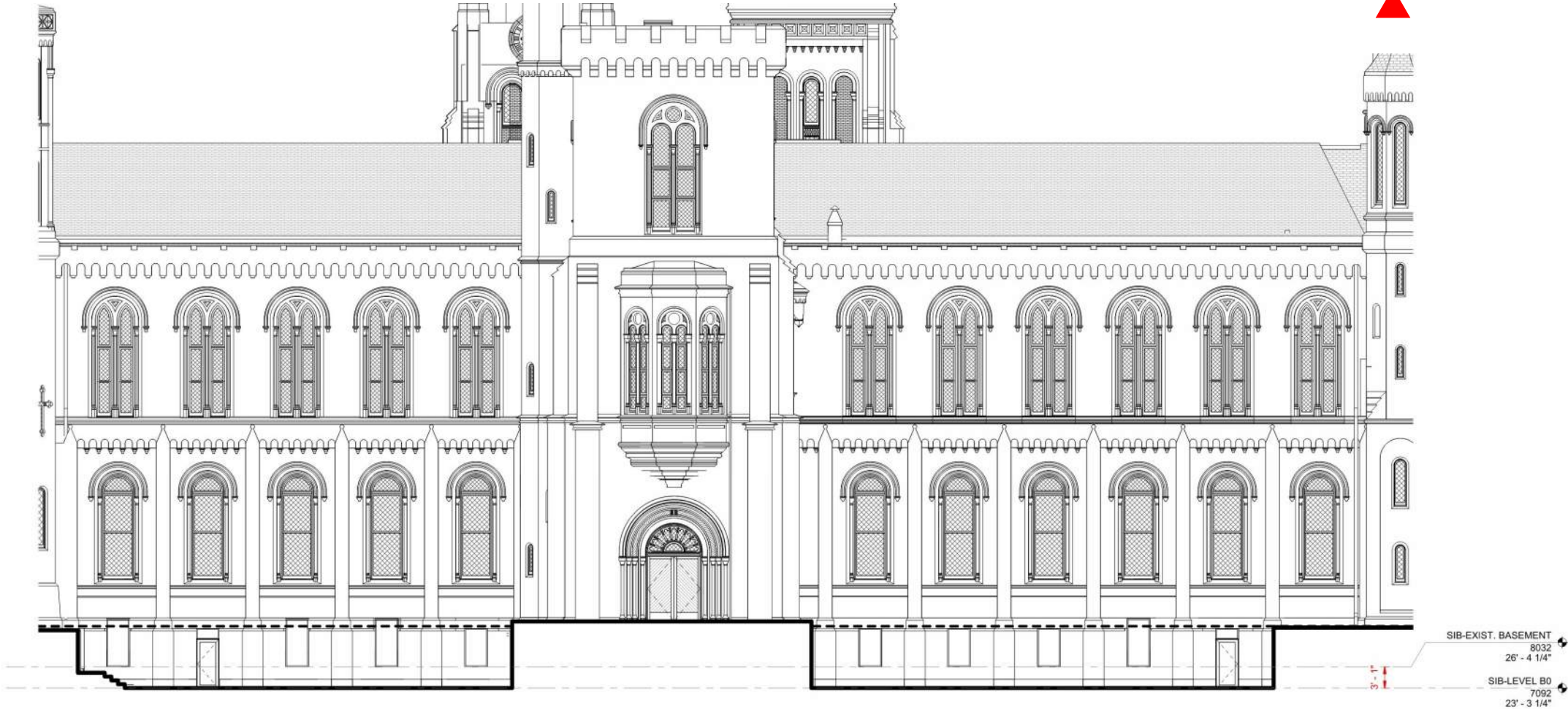
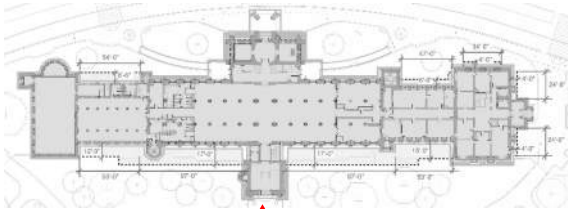
SMITHSONIAN INSTITUTION BUILDING (SIB)

BASEMENT WINDOWS AND DOORS | PROPOSED
 MAIN BUILDING SOUTH - EXTERIOR DETAIL
 COMPARISON OF OPTIONS



SMITHSONIAN INSTITUTION BUILDING (SIB)

BASEMENT WINDOWS AND DOORS | PROPOSED
MAIN BUILDING SOUTH - ELEVATION
OPTION 4 - MIXED HEAD HEIGHTS



PROPOSED MAIN BUILDING SOUTH – OPTION 4

New window opening heads aligned with grade
Existing window openings increased to 7'-0" high, heads remain at existing height

Questions or Comments

MODERATOR

Carly Bond, Historic Preservation Specialist

PRESENTERS / PANELISTS

Brenda Sanchez, FAIA, Sr. Design Manager

Christopher Lethbridge, Architect/Program Manager

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)



WINDOW REPLACEMENT

WINDOW DESIGN AND MUNTIN PROFILE

SMITHSONIAN INSTITUTION BUILDING (SIB)

WINDOW REPLACEMENT | SCHEDULE

| BLAST APPROACH | QTY |
|-------------------------------------|------------|
| NEW BLAST WINDOW | 397 |
| NEW INTERIOR BLAST STORM + HISTORIC | 72 |
| NEW NON-BLAST WINDOW | 110 |
| TOTAL WINDOWS | 579 |

| SHAPES | QTY |
|----------------------|------------|
| ARCHED | 411 |
| SPECIAL | 10 |
| CIRCULAR | 25 |
| LANCET | 21 |
| RECTANGULAR | 112 |
| TOTAL WINDOWS | 579 |

| WINDOW | QTY |
|--------|-----|
| TYPES | 97 |
| TOTAL | 579 |

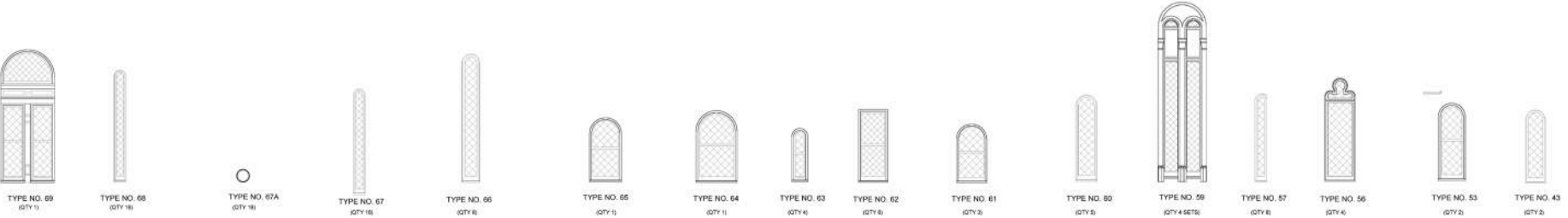
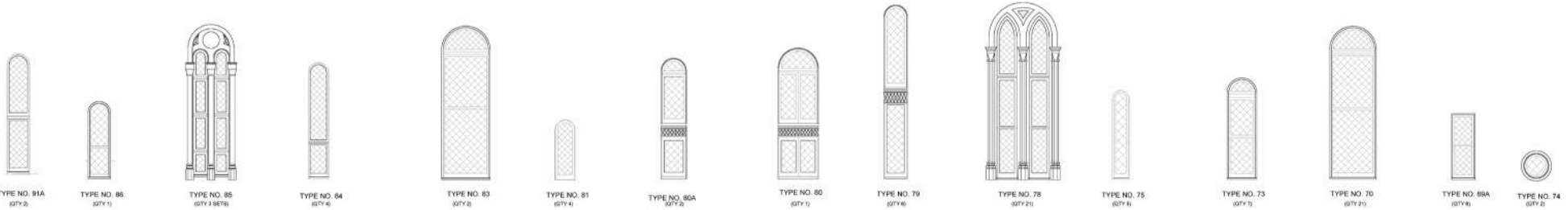
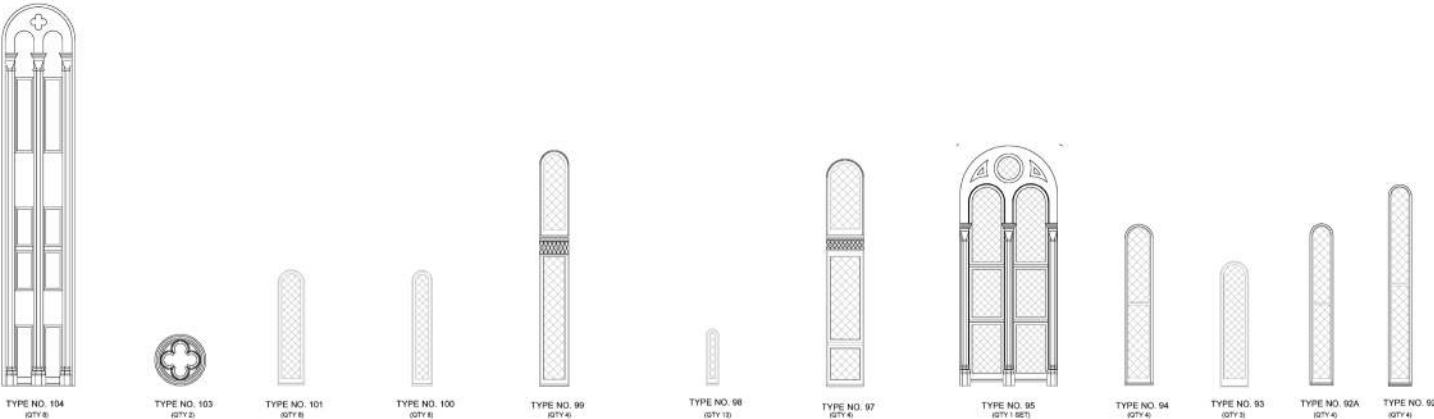
| TYPES (BY PRIMARY FUNCTION)* | QTY |
|------------------------------|------------|
| CASEMENT | 155 |
| DOUBLE-HUNG | 7 |
| FIXED | 202 |
| HOPPER | 33 |
| SINGLE-HUNG | 182 |
| TOTAL WINDOWS | 579 |

* INTENDED FUNCTION. MANY WINDOWS SURVEYED PAINTED SHUT OR WINDOW HARDWARE FAILING TO OPERATE PROPERLY

SMITHSONIAN INSTITUTION BUILDING (SIB)

WINDOW REPLACEMENT | EXTERIOR APPEARANCE

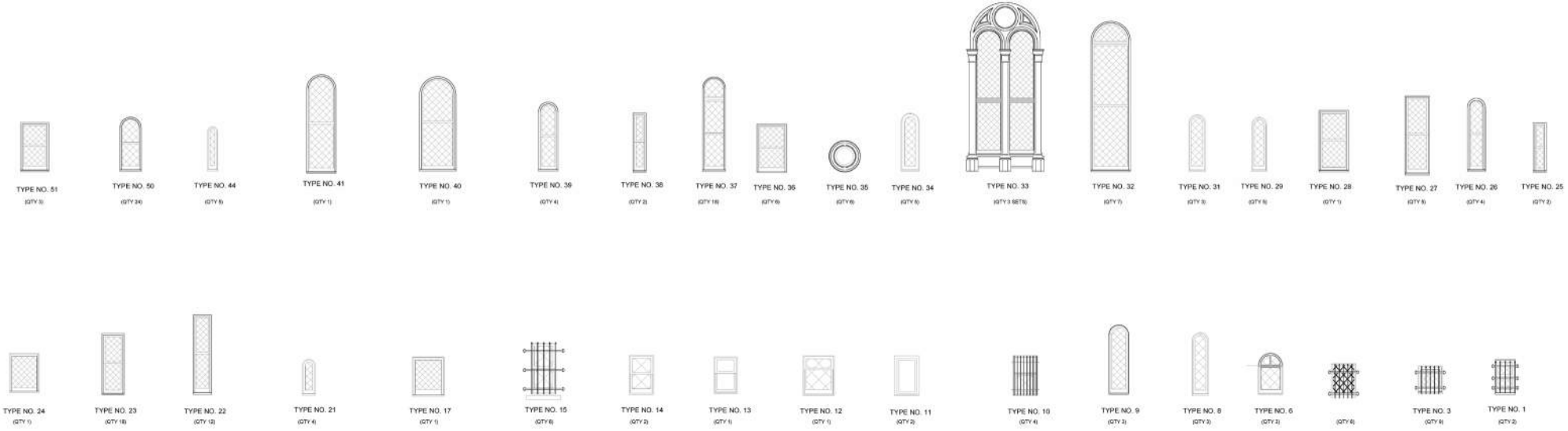
SHAPE, TYPE



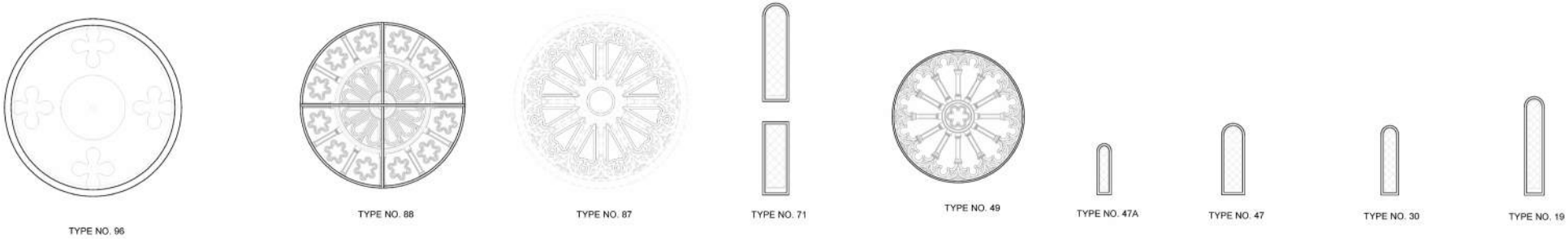
SMITHSONIAN INSTITUTION BUILDING (SIB)

WINDOW REPLACEMENT | EXTERIOR APPEARANCE

SHAPE, TYPE



BLAST RESISTANT STORM



SMITHSONIAN INSTITUTION BUILDING (SIB)

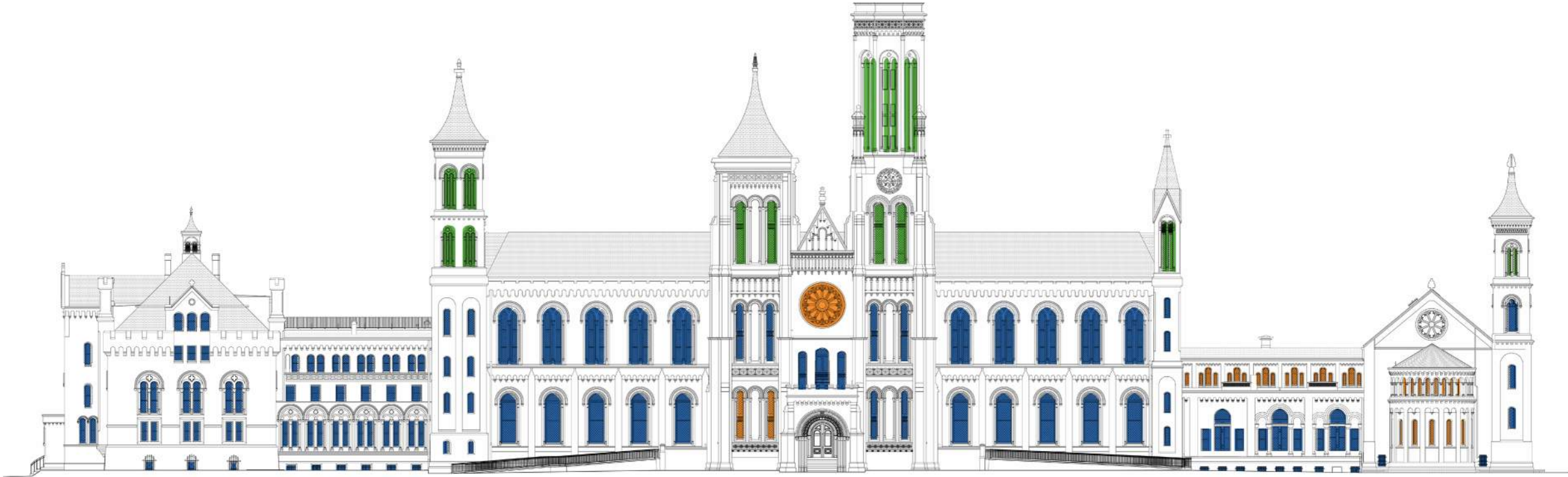
WINDOW REPLACEMENT | MUNTIN PROFILE
EXISTING






SURVIVING HISTORIC SASH (LEVEL 4)

SMITHSONIAN INSTITUTION BUILDING (SIB)

WINDOW REPLACEMENT | PROPOSED
NORTH ELEVATION



NORTH ELEVATION




-  NEW STORM WINDOW AT INTERIOR SIDE OF EXISTING TO REMAIN
-  NEW BLAST WINDOW, WITH OR WITHOUT ADDITIONAL WALL STRENGTHENING
-  NEW NON-BLAST WINDOW (LEVEL 5 AND ABOVE – UNOCCUPIED)

SMITHSONIAN INSTITUTION BUILDING (SIB)

WINDOW REPLACEMENT | PROPOSED
SOUTH ELEVATION



SOUTH ELEVATION

-  NEW STORM WINDOW AT INTERIOR SIDE OF EXISTING TO REMAIN
-  NEW BLAST WINDOW, WITH OR WITHOUT ADDITIONAL WALL STRENGTHENING
-  NEW NON-BLAST WINDOW (LEVEL 5 AND ABOVE – UNOCCUPIED)

SMITHSONIAN INSTITUTION BUILDING (SIB)

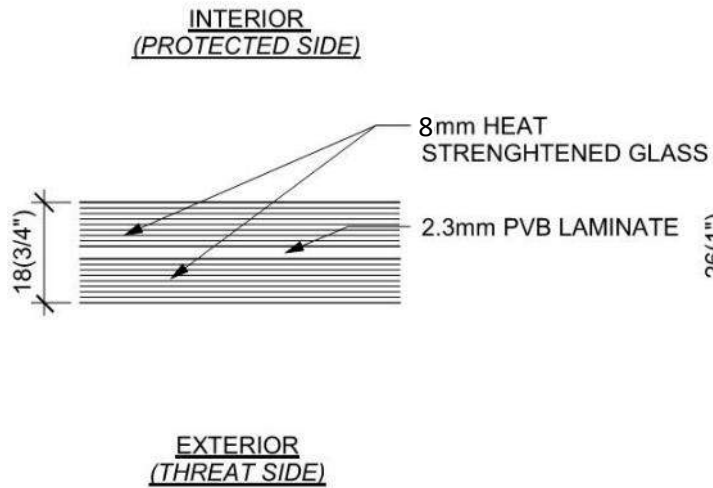
WINDOW REPLACEMENT | PROPOSED GLAZING THICKNESS

BLAST STORM PANEL:

Interior (protected) side

- 8 mm (5/16") heat strengthened glass
- 2.3 mm (0.090") PVB laminate
- 8 mm (5/16") heat strengthened glass

Exterior (threat) side



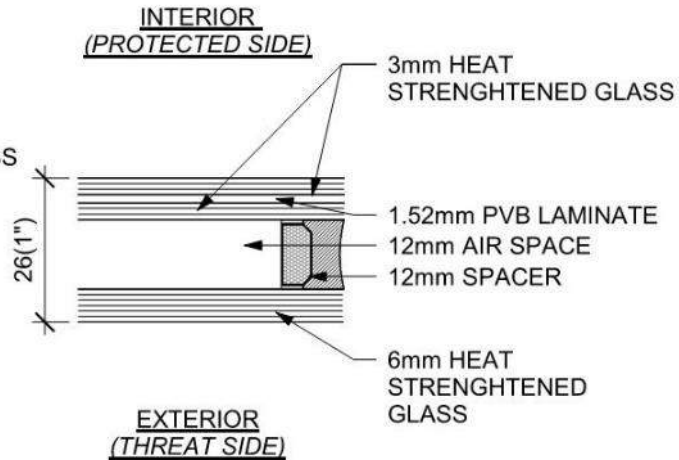
LAMINATED GLAZING FOR
BLAST STORM PANEL

INSULATED GLAZING UNIT:

Interior (protected) side

- 3 mm (1/8") heat strengthened glass
- 1.52 mm (0.060") PVB laminate
- 3 mm (1/8") heat strengthened glass
- 12 mm (1/2") air space
- 6 mm (1/4") heat strengthened glass

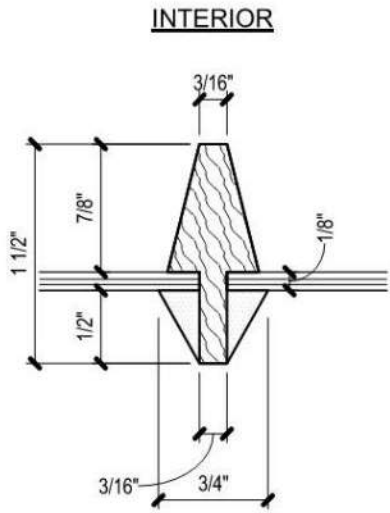
Exterior (threat) side



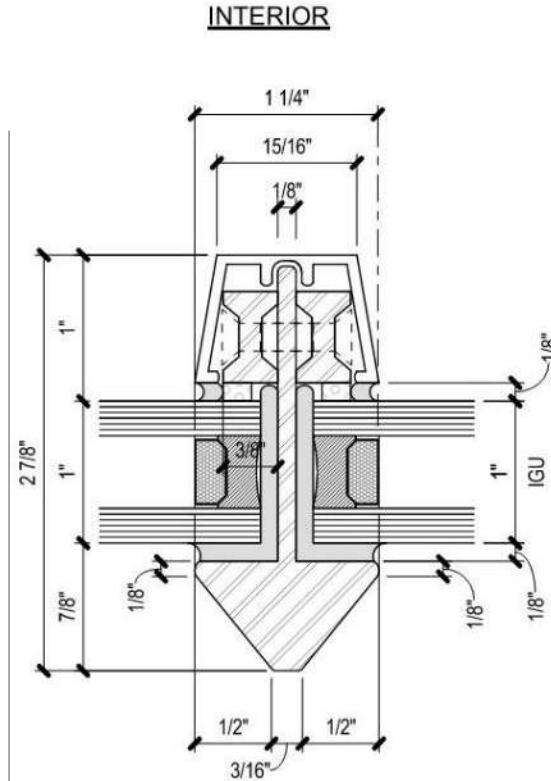
INSULATED GLAZING UNIT (IGU) FOR
STEEL REPLACEMENT WINDOW

SMITHSONIAN INSTITUTION BUILDING (SIB)

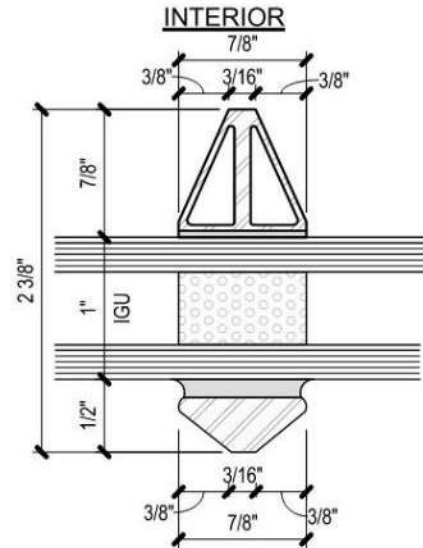
WINDOW REPLACEMENT | PROPOSED MUNTIN DETAIL COMPARISON



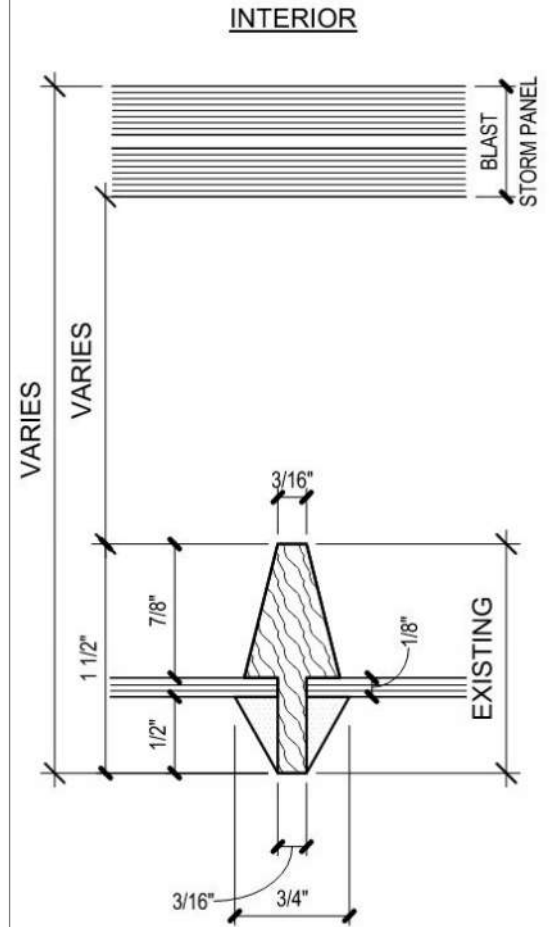
EXISTING (AS FOUND)



TRUE DIVIDED LITE (IGU)
NOT AVAILABLE



SIMULATED DIVIDED LITE* (IGU)
ONLY OPTION

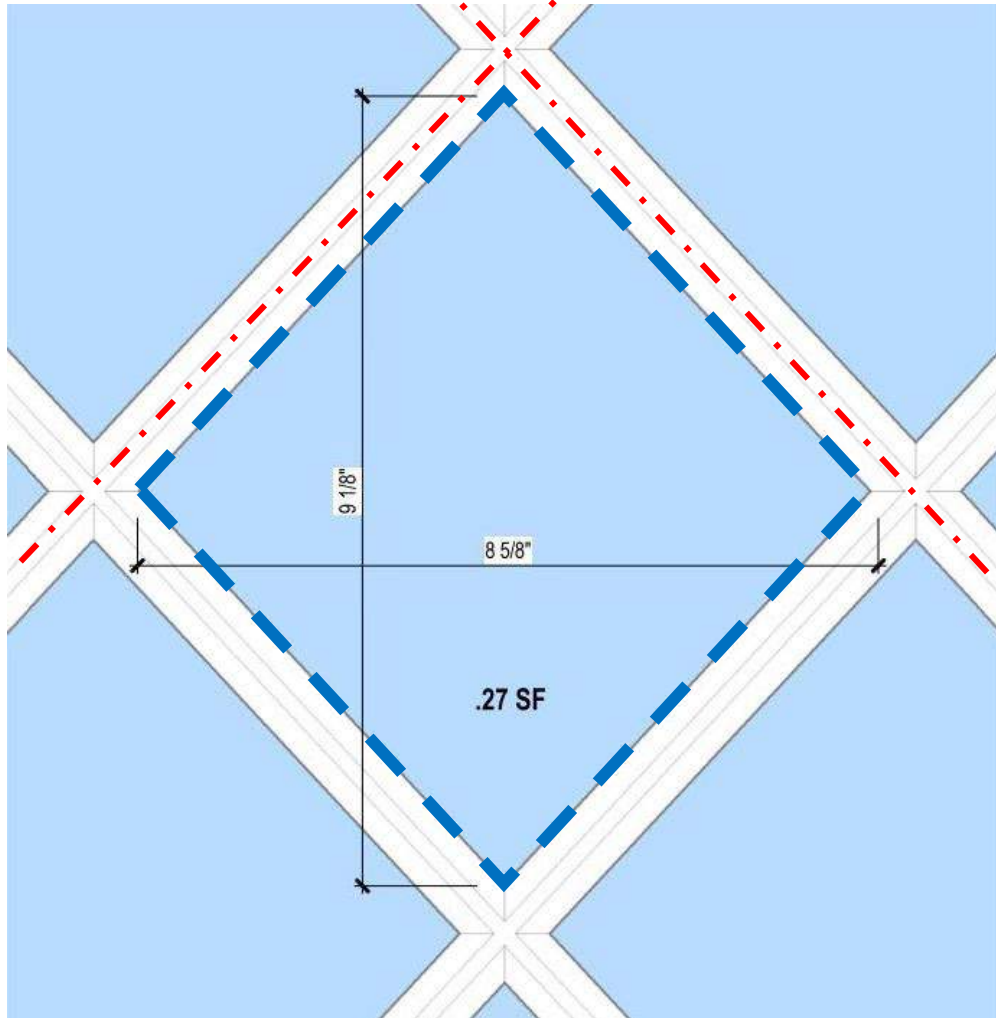


HISTORIC + NEW STORM (BLAST STORM PANEL)

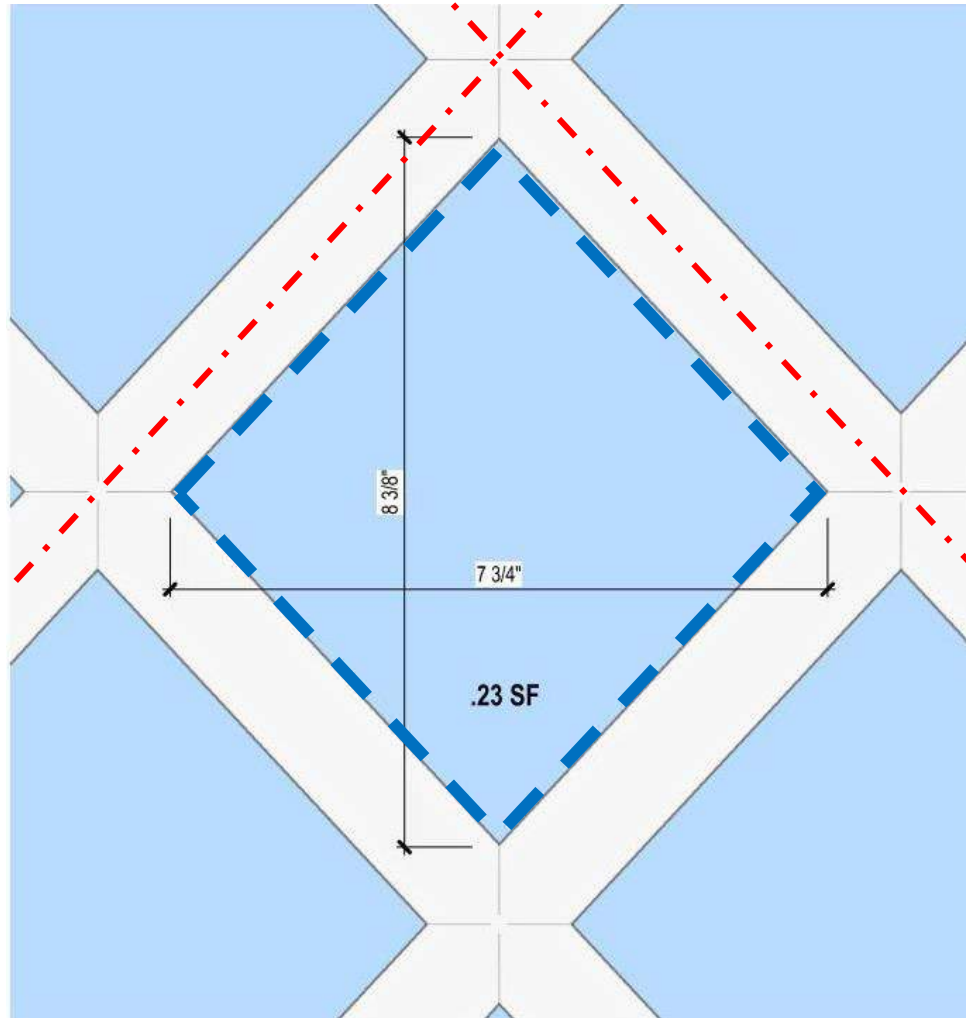
SMITHSONIAN INSTITUTION BUILDING (SIB)

WINDOW REPLACEMENT | PROPOSED
MUNTIN GLAZING COMPARISON – TRUE DIVIDED LITE

— — — — AREA OF FREE GLASS
- - - - CENTER OF MUNTIN PROFILE

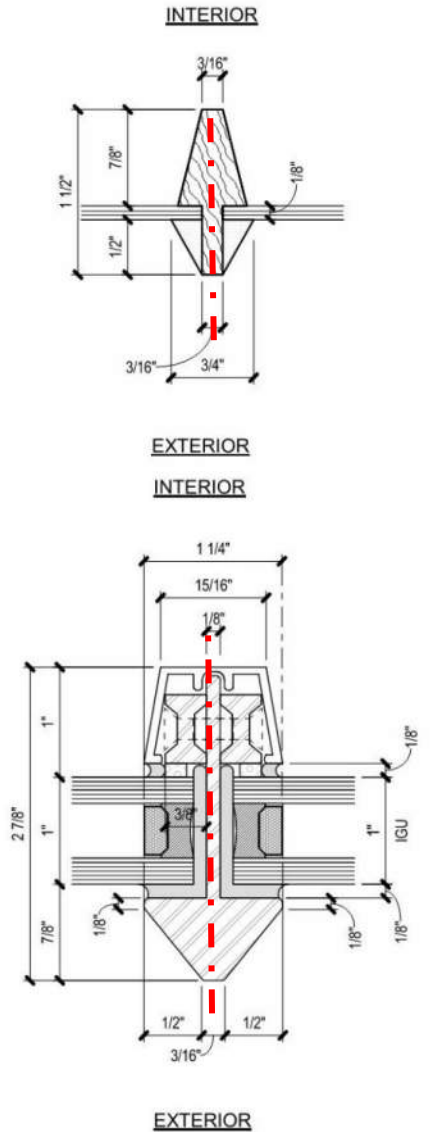


EXISTING (AS FOUND)



TRUE DIVIDED LITE - NOT AVAILABLE

CHANGE IN AREA OF
FREE GLASS = -15%

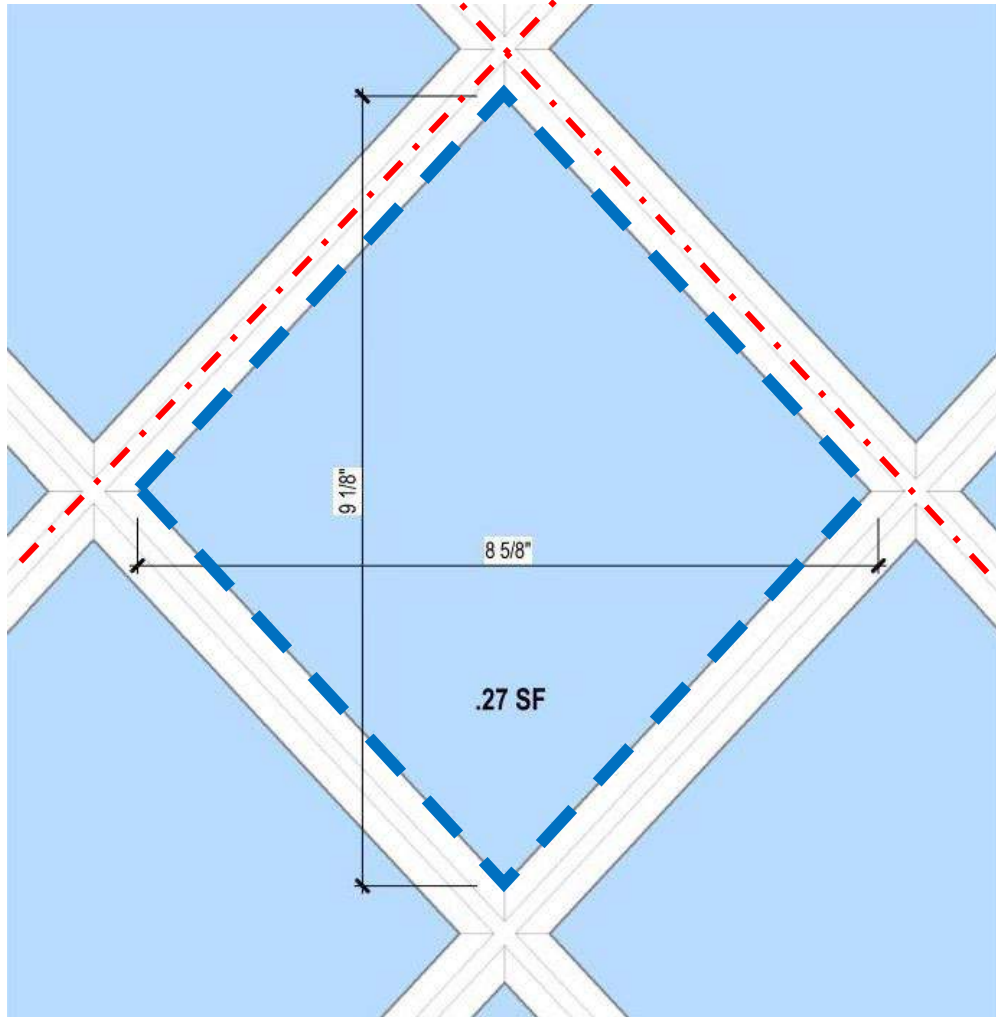


SMITHSONIAN INSTITUTION BUILDING (SIB)

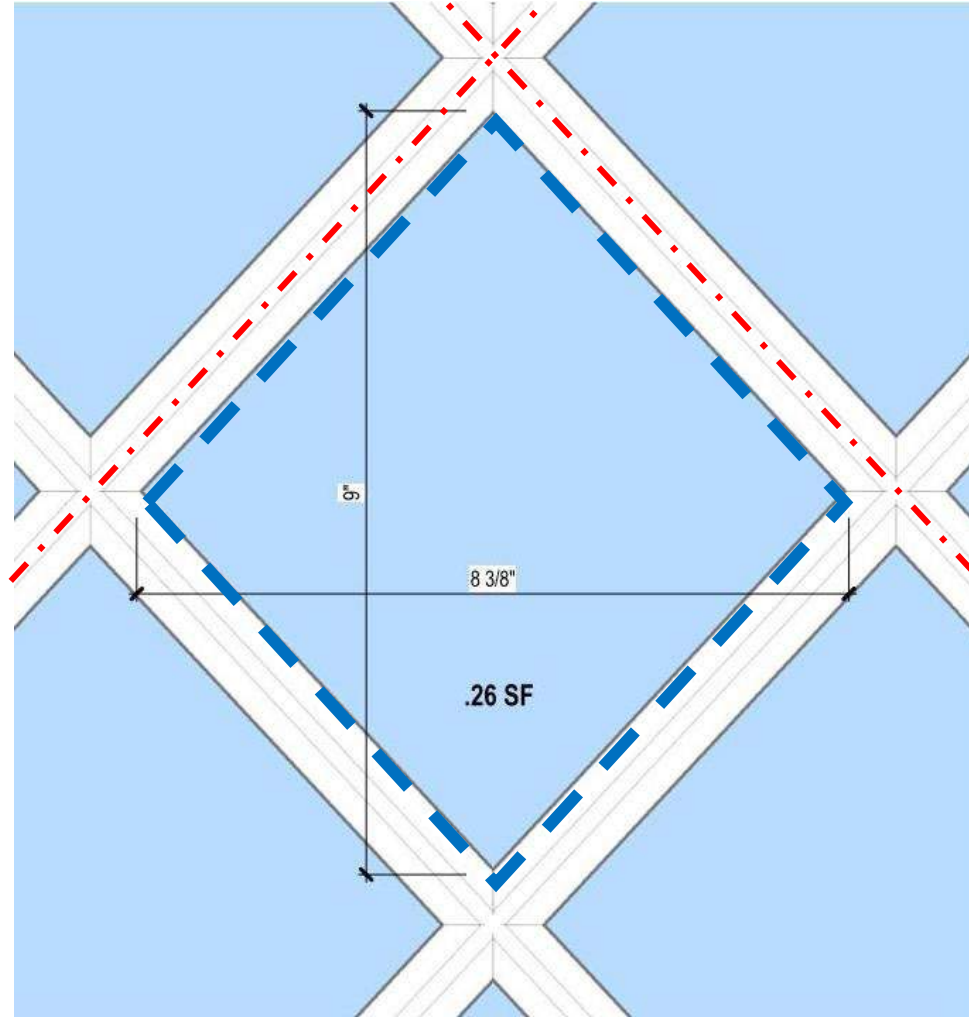
WINDOW REPLACEMENT | PROPOSED

MUNTIN GLAZING COMPARISON – SIMULATED DIVIDED LITE - *ONLY OPTION*

— — — AREA OF FREE GLASS
- - - CENTER OF MUNTIN PROFILE

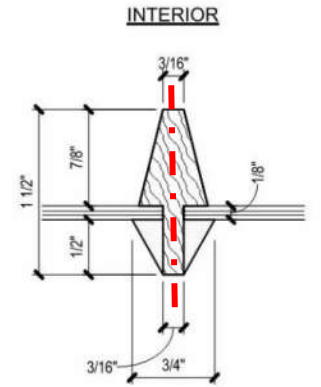


EXISTING (AS FOUND)

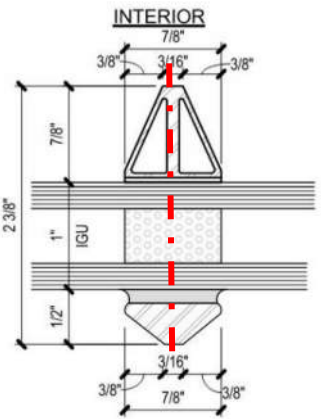


SIMULATED DIVIDED LITE - *ONLY OPTION*

CHANGE IN AREA OF
 FREE GLASS = -4%



EXTERIOR



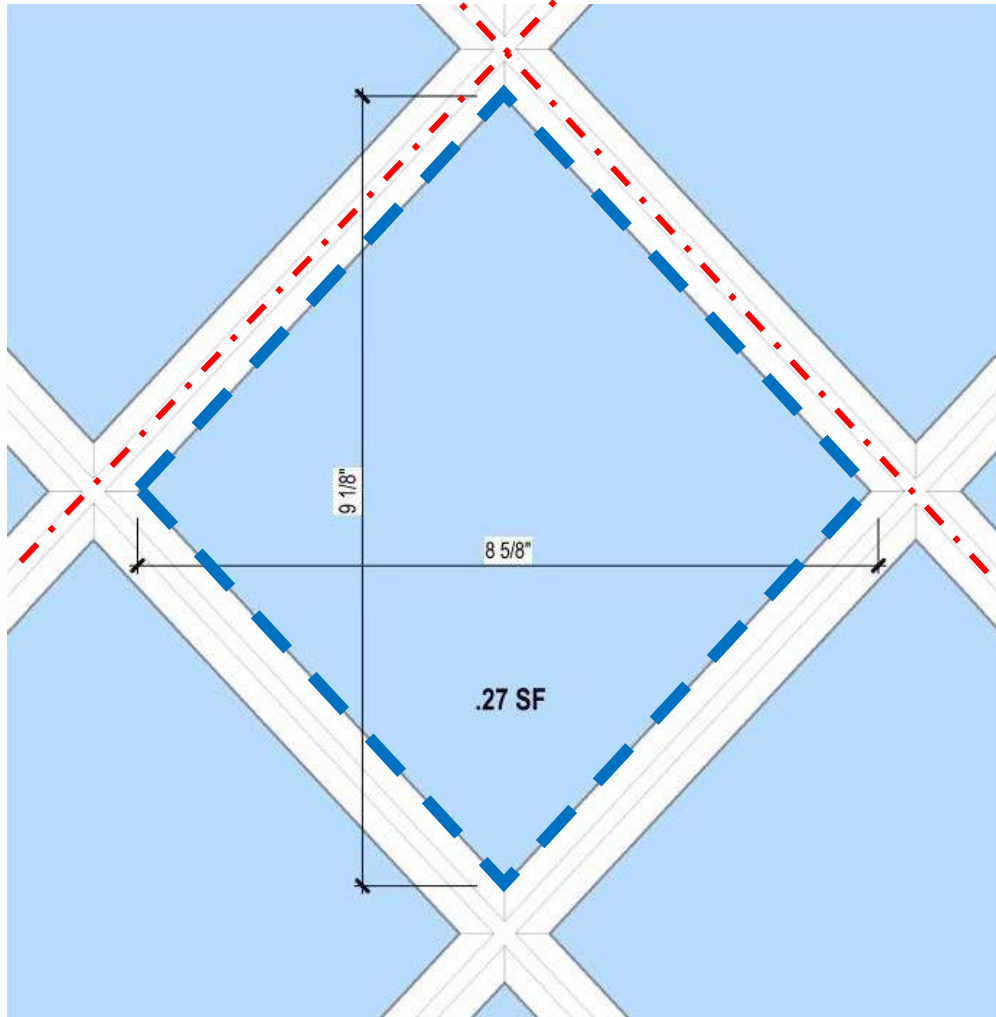
EXTERIOR

SMITHSONIAN INSTITUTION BUILDING (SIB)

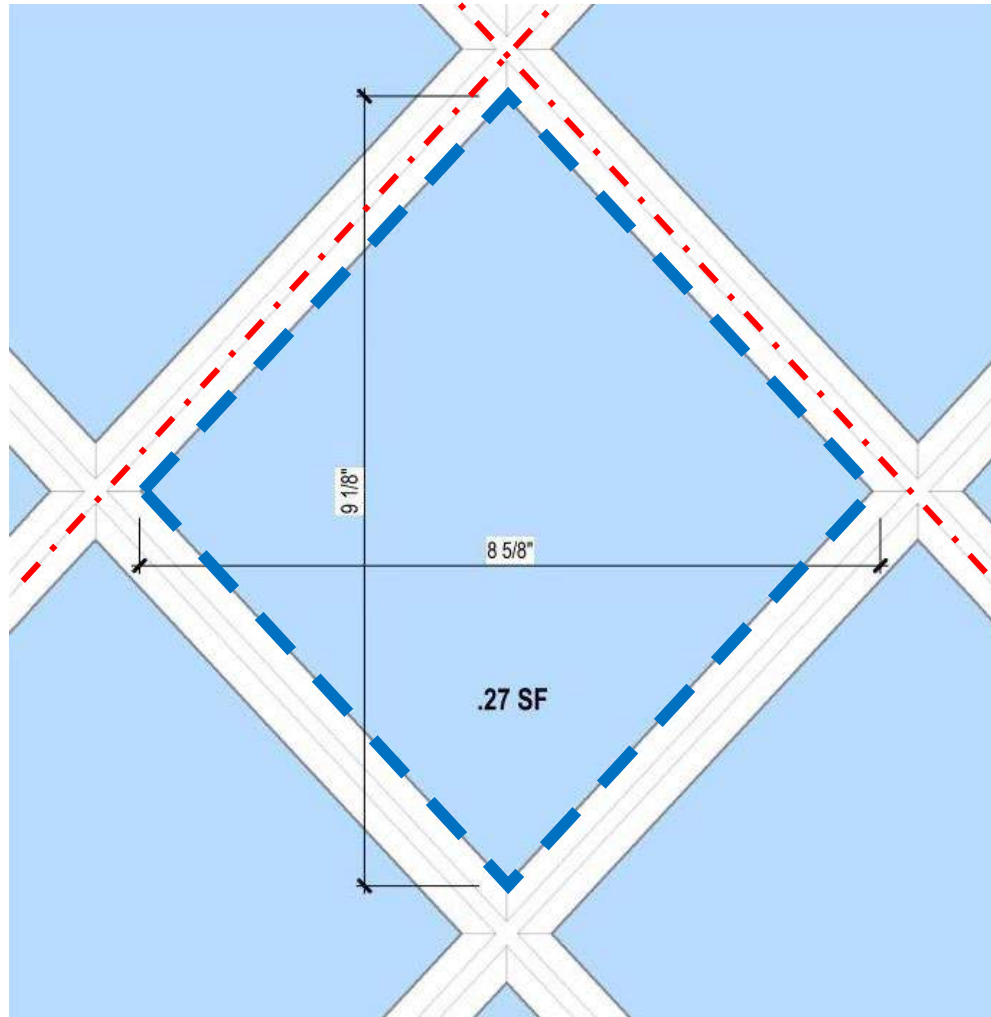
WINDOW REPLACEMENT | PROPOSED

MUNTIN GLAZING COMPARISON - HISTORIC / NEW STEEL WINDOW + NEW STORM (AT INTERIOR)

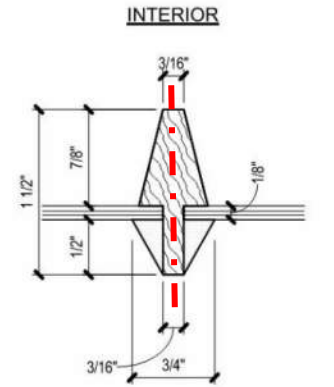
— — — AREA OF FREE GLASS
- - - CENTER OF MUNTIN PROFILE



EXISTING (AS FOUND)

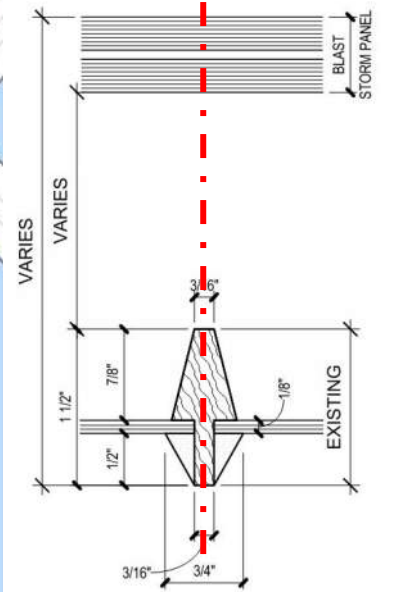


HISTORIC / NEW STEEL WINDOW + NEW STORM (AT INTERIOR)



EXTERIOR

INTERIOR

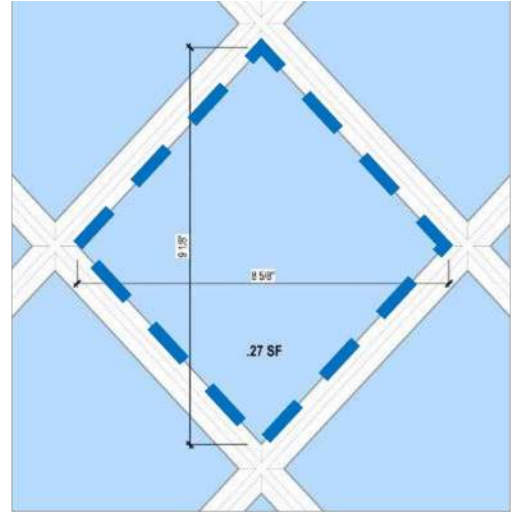


EXTERIOR

SMITHSONIAN INSTITUTION BUILDING (SIB)

WINDOW REPLACEMENT | PROPOSED
MUNTIN GLAZING COMPARISON - SUMMARY

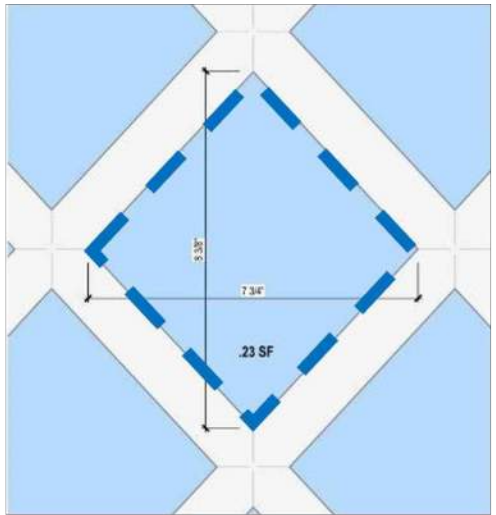
EXISTING



EXISTING (AS FOUND)

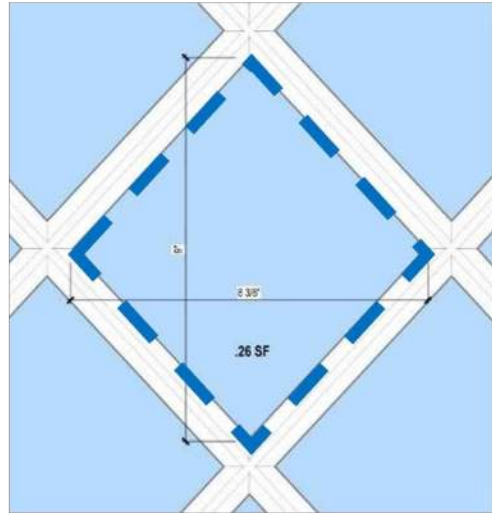
— AREA OF FREE GLASS

REPLACEMENT TYPES



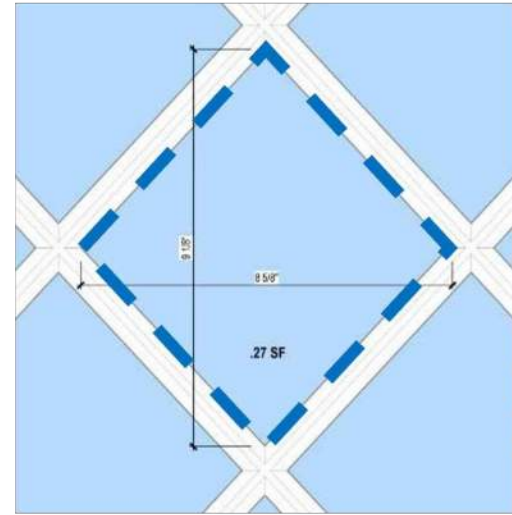
TRUE DIVIDED LITE
NOT AVAILABLE

CHANGE IN
AREA OF FREE
GLASS= -15%



SIMULATED DIVIDED LITE
ONLY OPTION

CHANGE IN
AREA OF FREE
GLASS= -4%

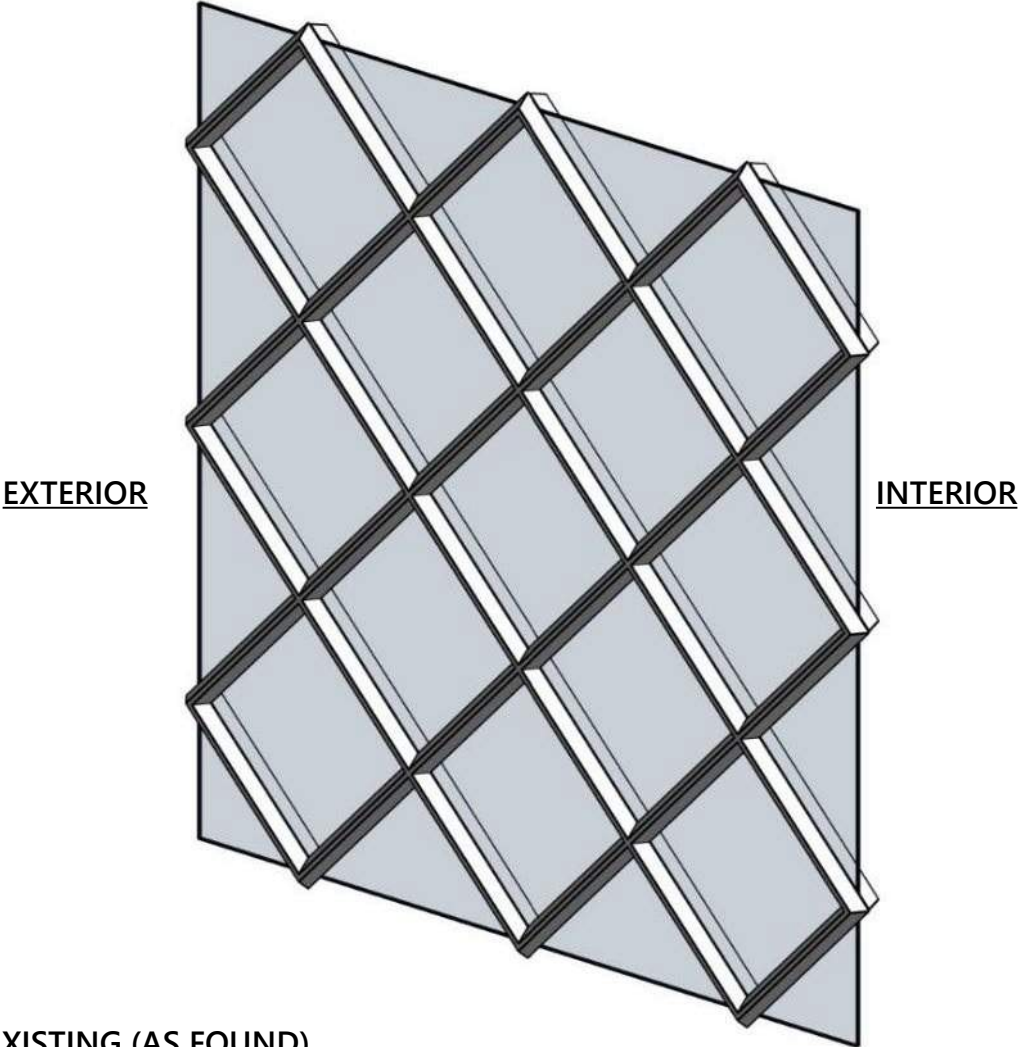


HISTORIC / NEW STEEL WINDOW
+ NEW STORM (AT INTERIOR)

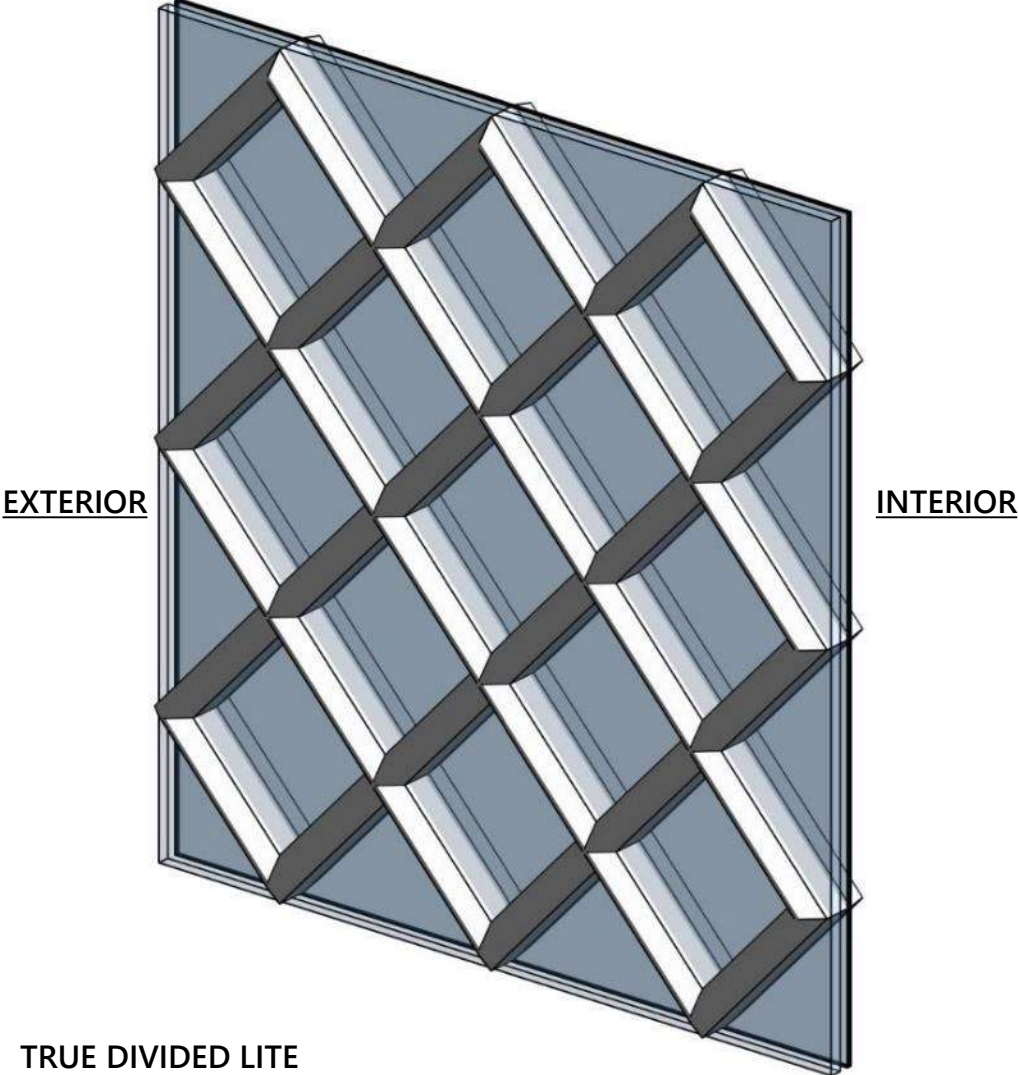
CHANGE IN
AREA OF FREE
GLASS=
UNCHANGED

SMITHSONIAN INSTITUTION BUILDING (SIB)

WINDOW REPLACEMENT | PROPOSED
MUNTIN – VISUALIZATION



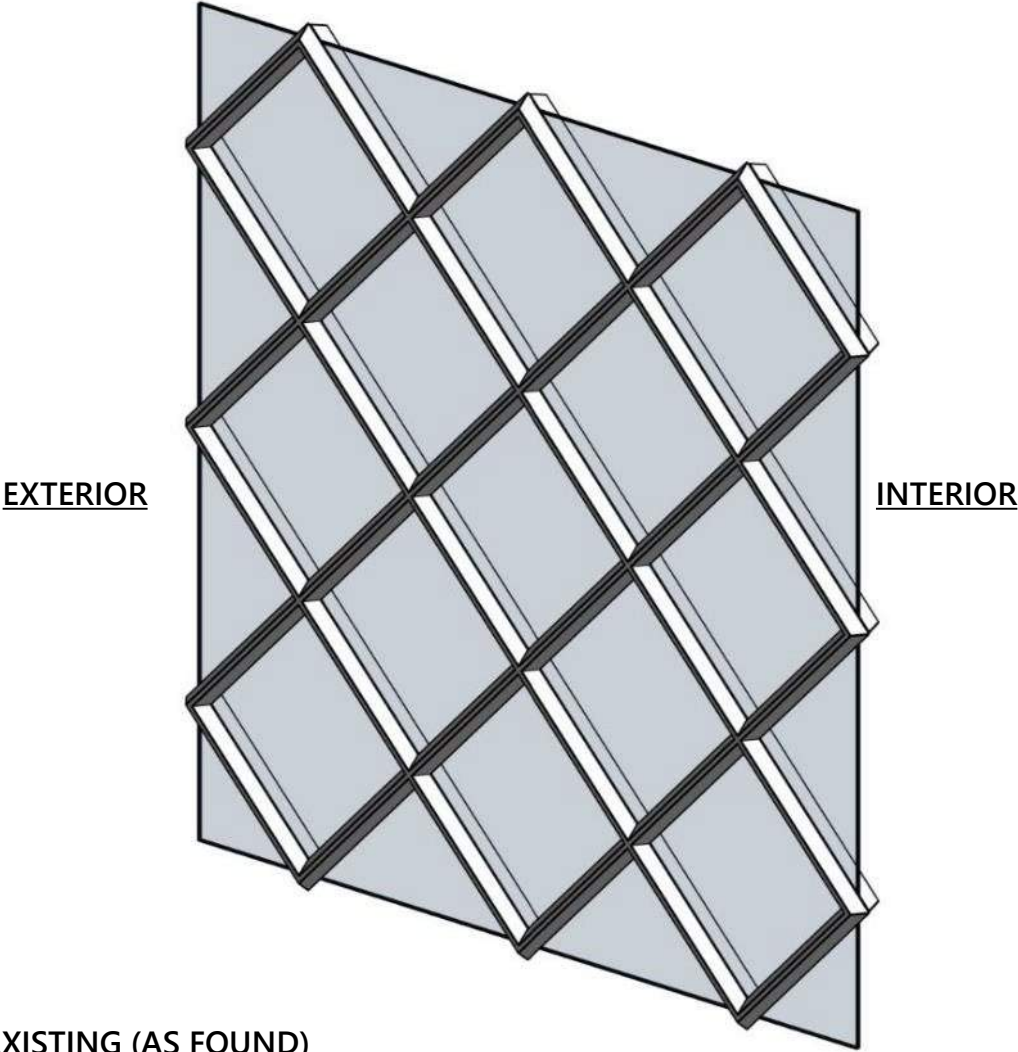
EXISTING (AS FOUND)



TRUE DIVIDED LITE
NOT AVAILABLE

SMITHSONIAN INSTITUTION BUILDING (SIB)

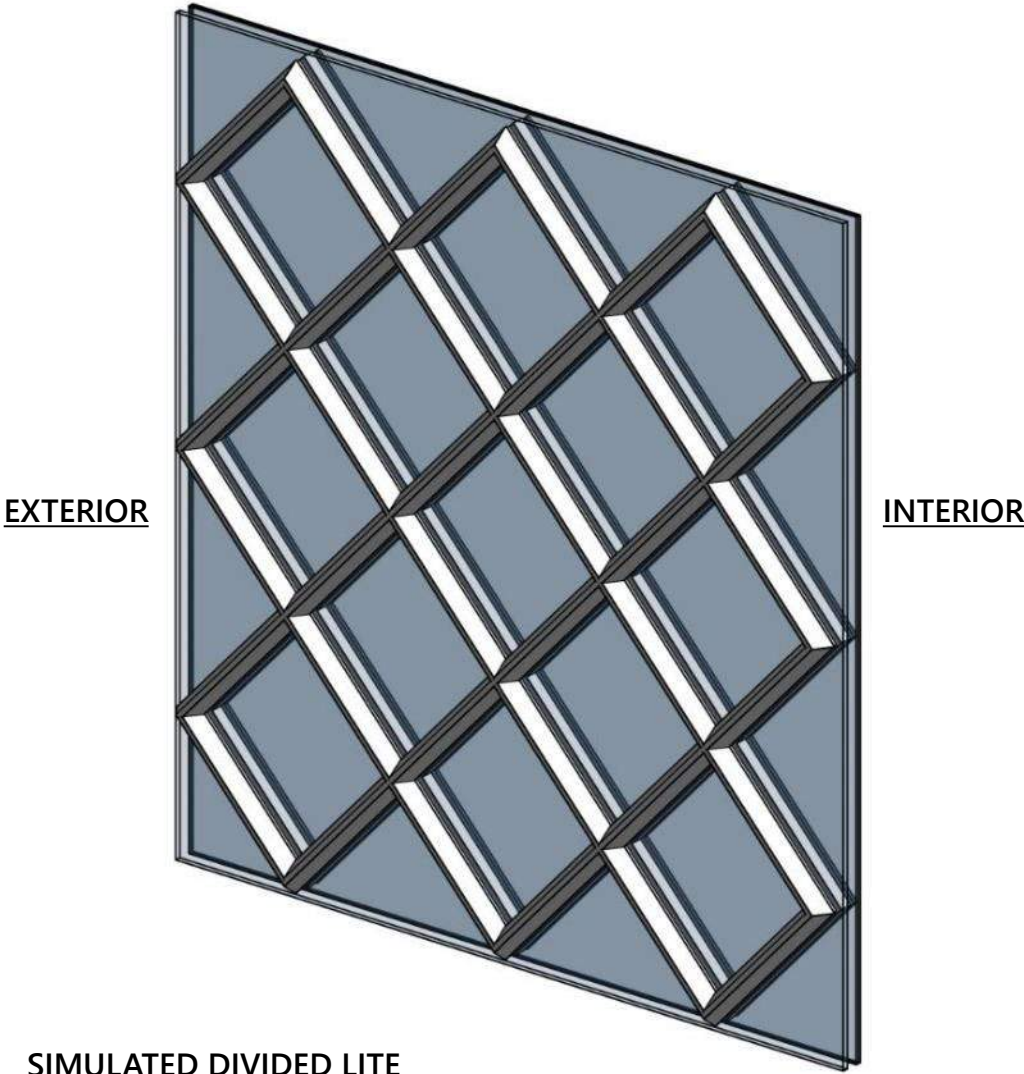
WINDOW REPLACEMENT | PROPOSED
MUNTIN – VISUALIZATION - *ONLY OPTION*



EXTERIOR

INTERIOR

EXISTING (AS FOUND)



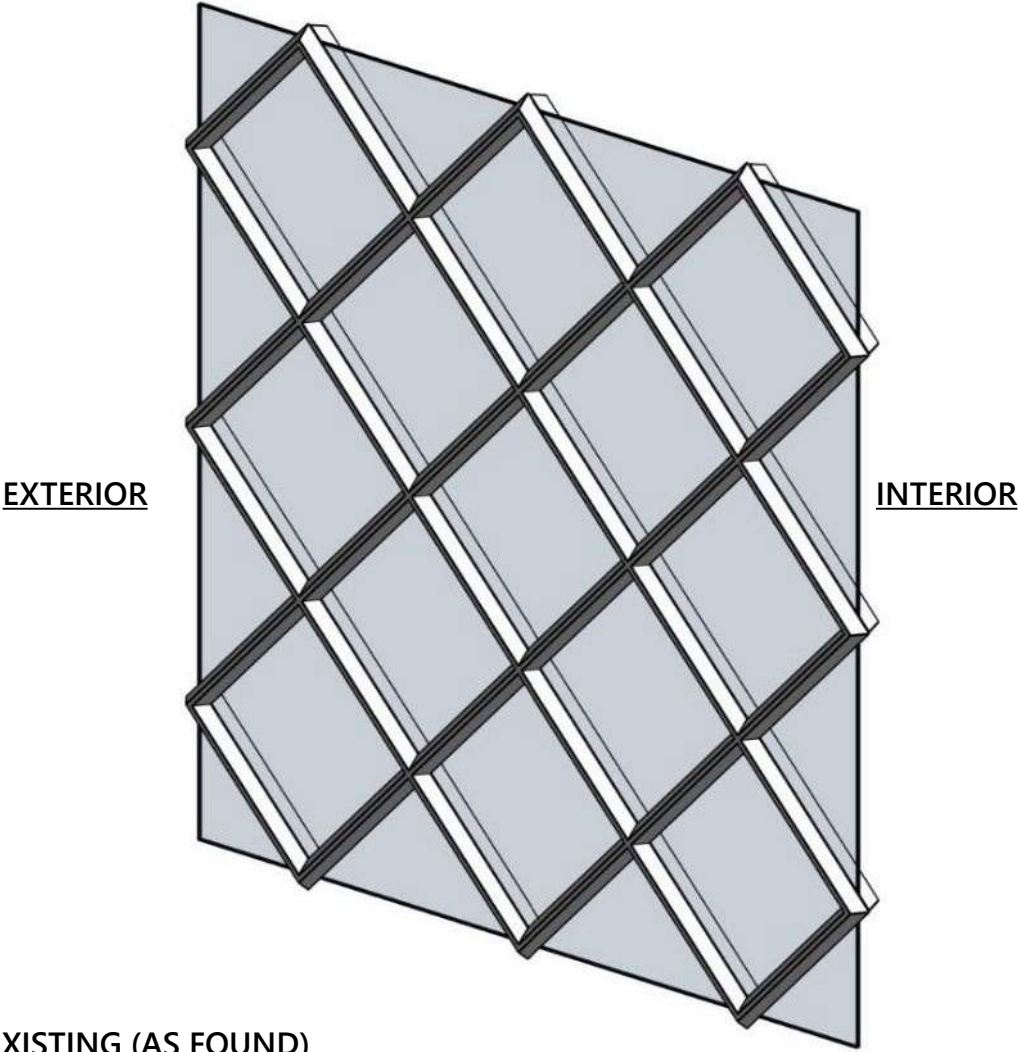
EXTERIOR

INTERIOR

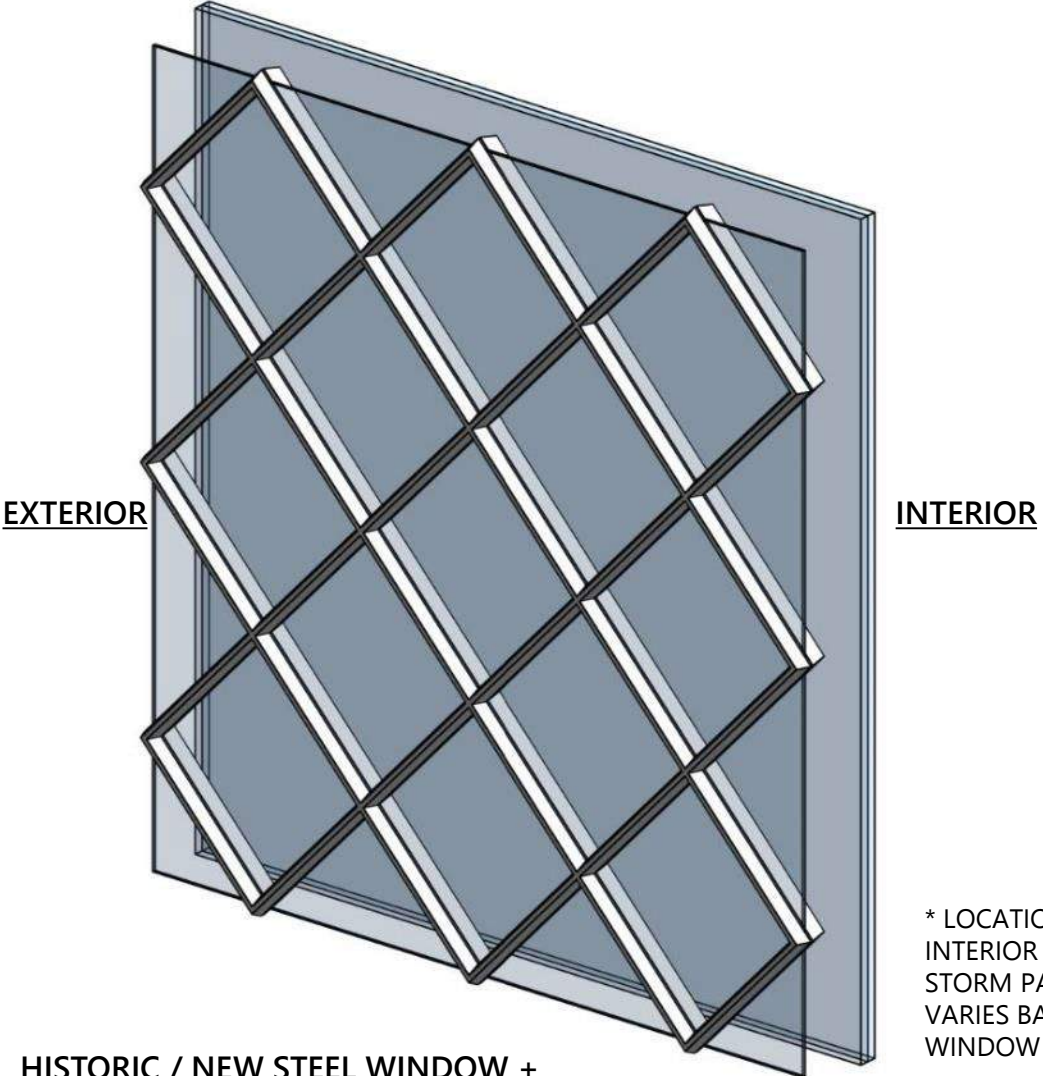
SIMULATED DIVIDED LITE
ONLY OPTION

SMITHSONIAN INSTITUTION BUILDING (SIB)

WINDOW REPLACEMENT | PROPOSED
MUNTIN – VISUALIZATION



EXISTING (AS FOUND)



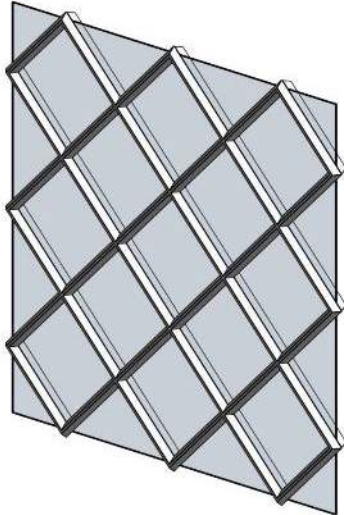
HISTORIC / NEW STEEL WINDOW +
NEW STORM* (AT INTERIOR)

* LOCATION OF
INTERIOR BLAST
STORM PANEL
VARIES BASED ON
WINDOW TYPE

SMITHSONIAN INSTITUTION BUILDING (SIB)

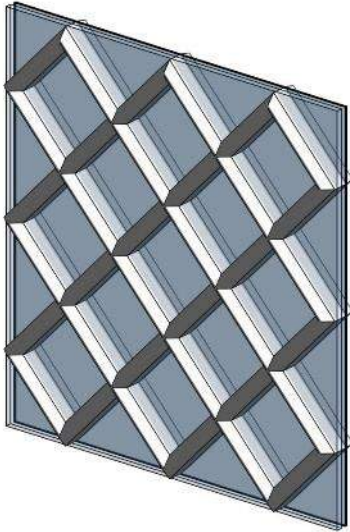
WINDOW REPLACEMENT | PROPOSED
MUNTIN – VISUALIZATION SUMMARY

EXISTING

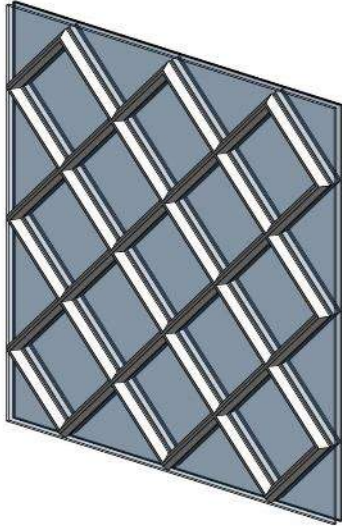


EXISTING (AS FOUND)

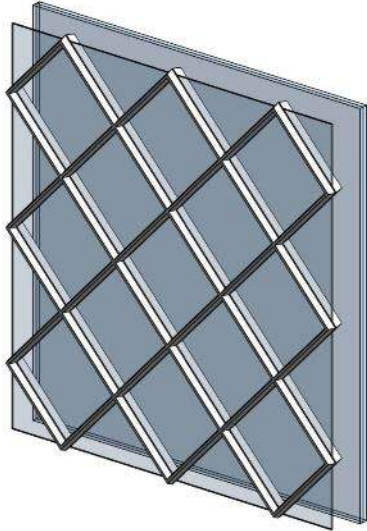
REPLACEMENT TYPES



TRUE DIVIDED LITE
NOT AVAILABLE



SIMULATED DIVIDED LITE
ONLY OPTION



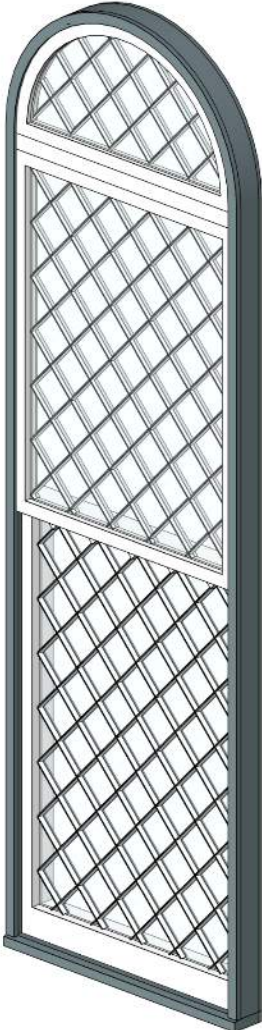
* LOCATION OF
INTERIOR BLAST
STORM PANEL
VARIES BASED ON
WINDOW TYPE

HISTORIC / NEW STEEL WINDOW
+ NEW STORM* (AT INTERIOR)

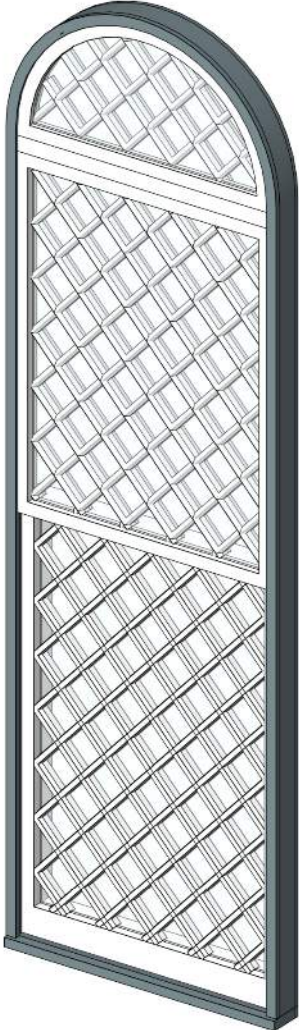
SMITHSONIAN INSTITUTION BUILDING (SIB)

WINDOW REPLACEMENT | PROPOSED
WINDOW COMPARISON – SUMMARY

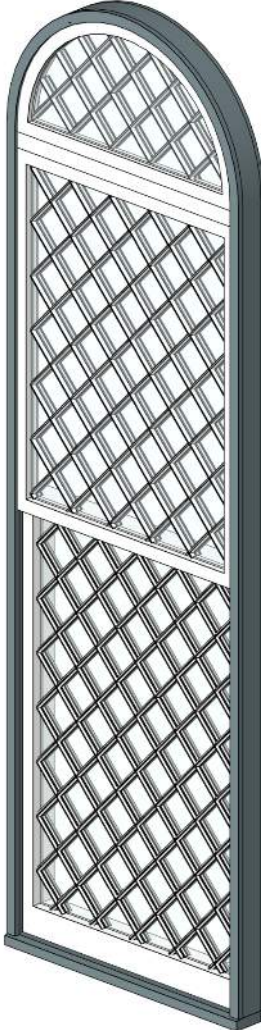
| SHAPE | QTY |
|--------|-----|
| ARCHED | 411 |



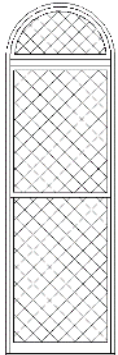
EXISTING (AS FOUND)



TRUE DIVIDED LITE
NOT AVAILABLE



SIMULATED DIVIDED LITE
ONLY OPTION

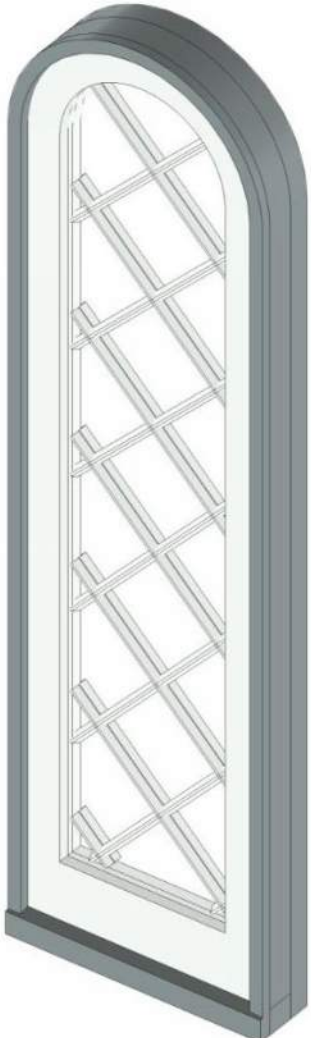


TYPE NO. 70
(GREAT HALL)

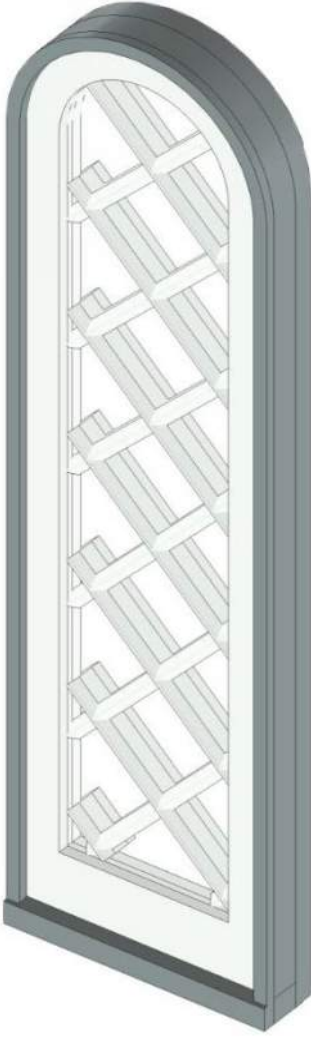
SMITHSONIAN INSTITUTION BUILDING (SIB)

WINDOW REPLACEMENT | PROPOSED
WINDOW COMPARISON – SUMMARY

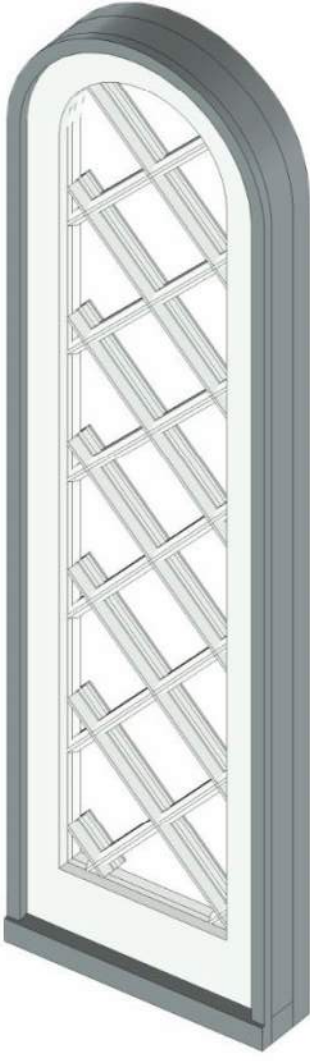
| SHAPE | QTY |
|--------|-----|
| ARCHED | 411 |



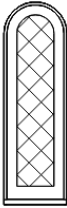
EXISTING (AS FOUND)



TRUE DIVIDED LITE
NOT AVAILABLE



SIMULATED DIVIDED LITE
ONLY OPTION

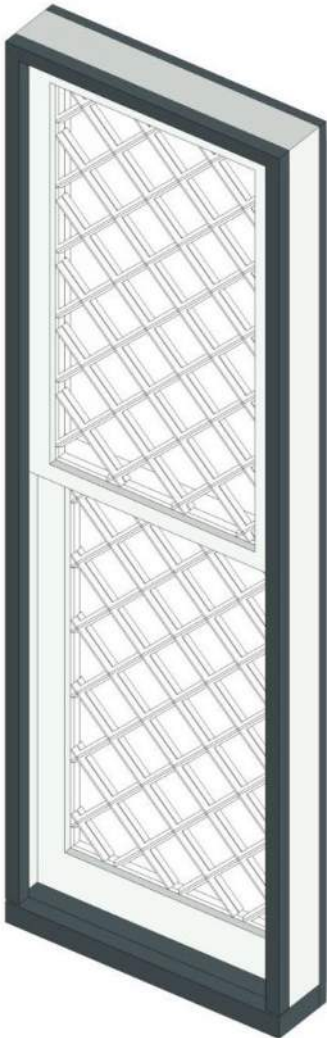


TYPE NO. 34
(CAMPANILE
TOWER)

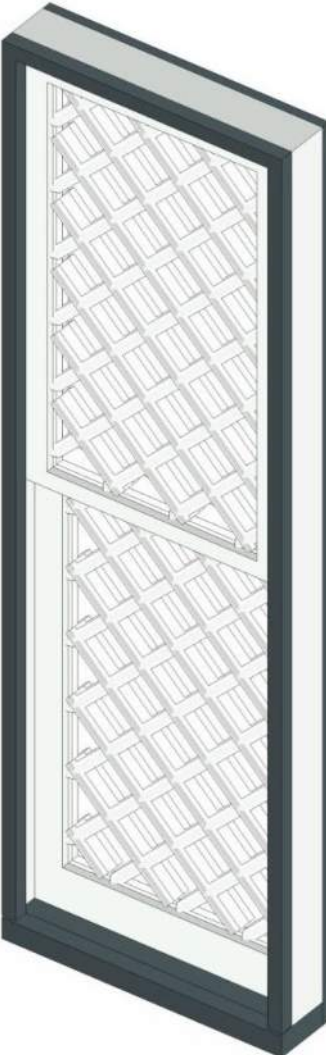
SMITHSONIAN INSTITUTION BUILDING (SIB)

WINDOW REPLACEMENT | PROPOSED
WINDOW COMPARISON – SUMMARY

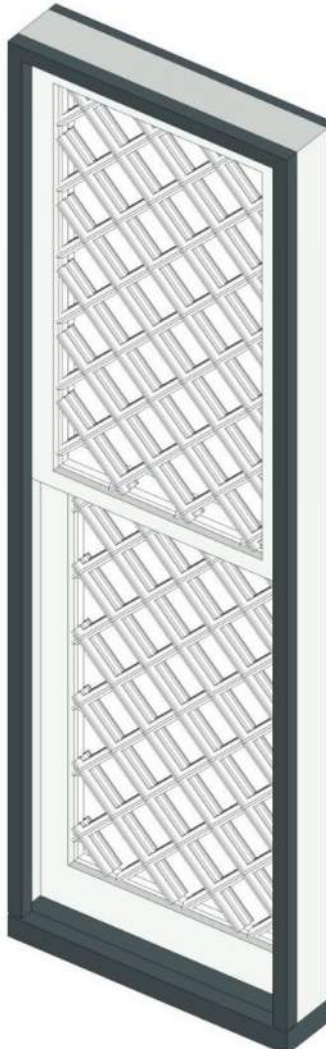
| SHAPE | QTY |
|-------------|-----|
| RECTANGULAR | 112 |



EXISTING (AS FOUND)



TRUE DIVIDED LITE
NOT AVAILABLE



SIMULATED DIVIDED LITE
ONLY OPTION



TYPE NO. 27
(EAST RANGE)

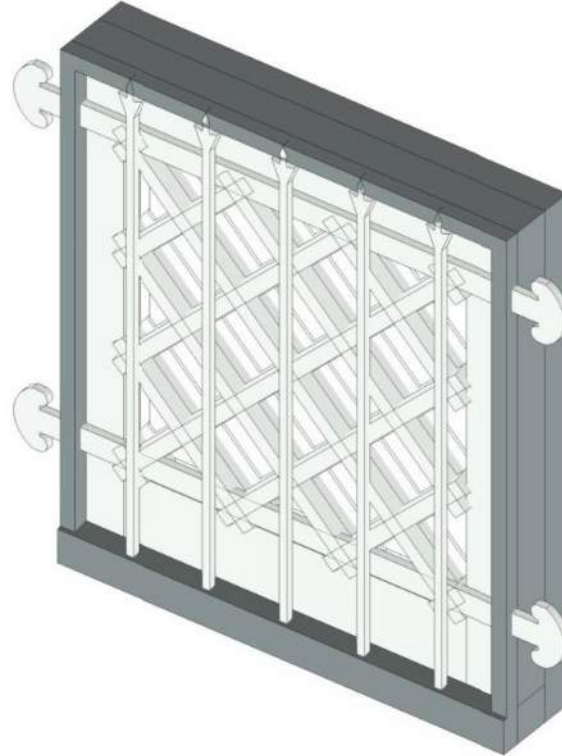
SMITHSONIAN INSTITUTION BUILDING (SIB)

WINDOW REPLACEMENT | PROPOSED
WINDOW COMPARISON – SUMMARY

| SHAPE | QTY |
|-------------|-----|
| RECTANGULAR | 112 |



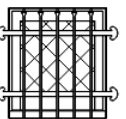
EXISTING (AS FOUND)



TRUE DIVIDED LITE
NOT AVAILABLE



SIMULATED DIVIDED LITE
ONLY OPTION

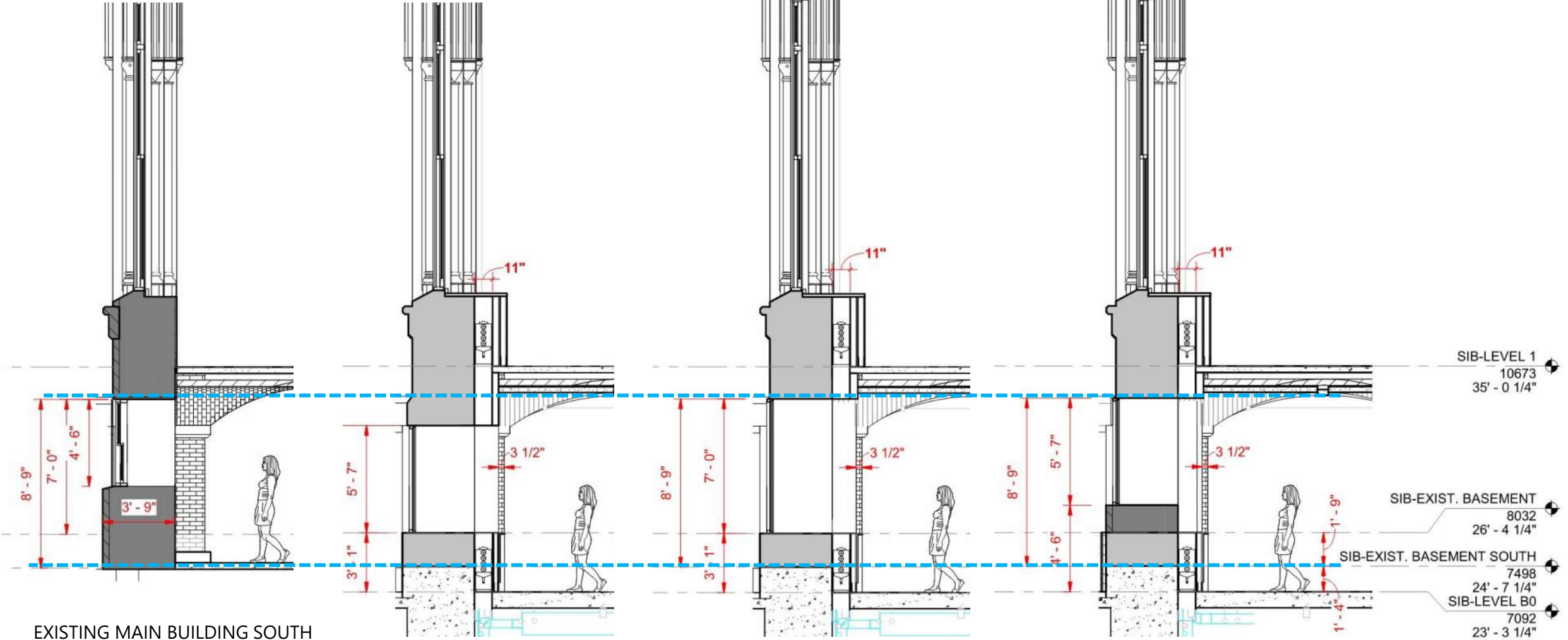


TYPE NO. 3
(WEST RANGE)

WINDOW REPLACEMENT INTERIOR EFFECTS

SMITHSONIAN INSTITUTION BUILDING (SIB)

WINDOW REPLACEMENT | PROPOSED
 MAIN BUILDING SOUTH - SECTION
 COMPARISON OF OPTIONS 1-3



EXISTING MAIN BUILDING SOUTH

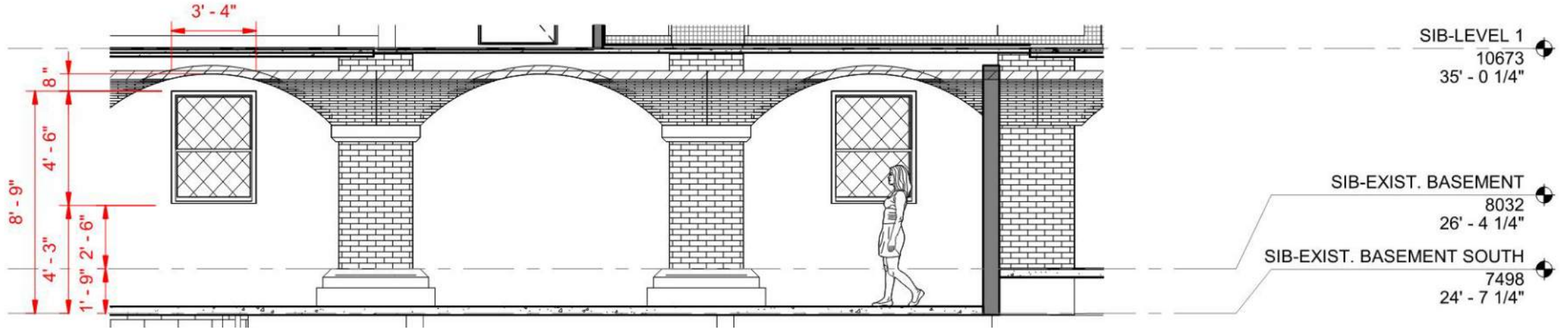
PROPOSED MAIN BUILDING SOUTH
 OPT 1

PROPOSED MAIN BUILDING SOUTH
 OPT 2 - *PREFERRED OPTION*

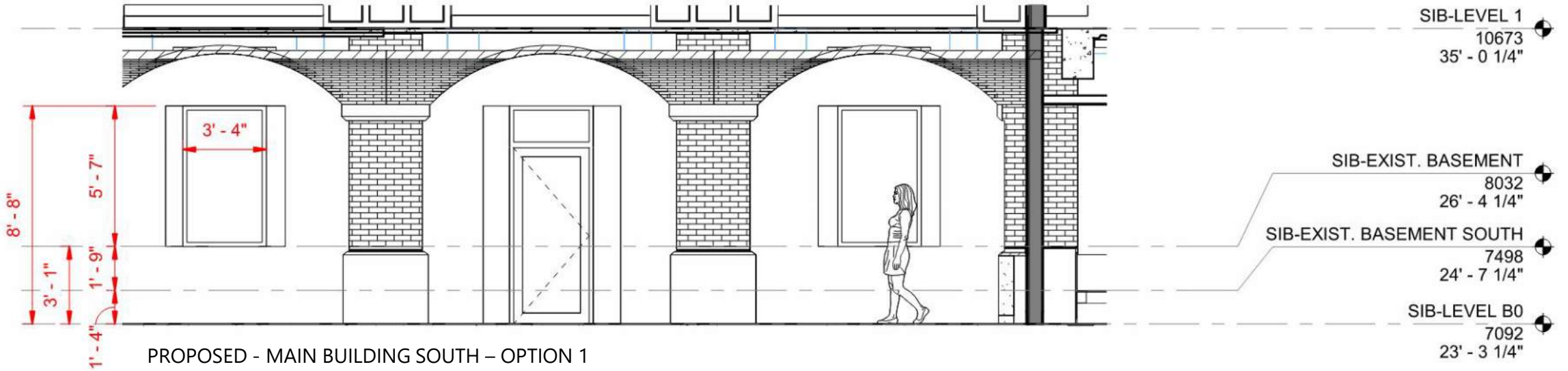
PROPOSED MAIN BUILDING SOUTH
 OPT 3

SMITHSONIAN INSTITUTION BUILDING (SIB)

WINDOW REPLACEMENT | PROPOSED
 MAIN BUILDING SOUTH - INTERIOR DETAIL
 OPTION 1



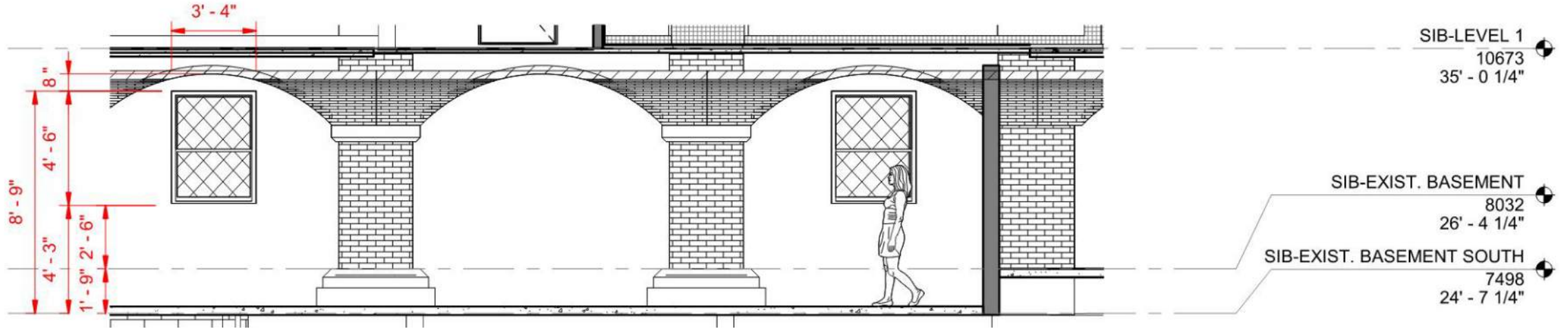
EXISTING - MAIN BUILDING SOUTH (CAFETERIA)



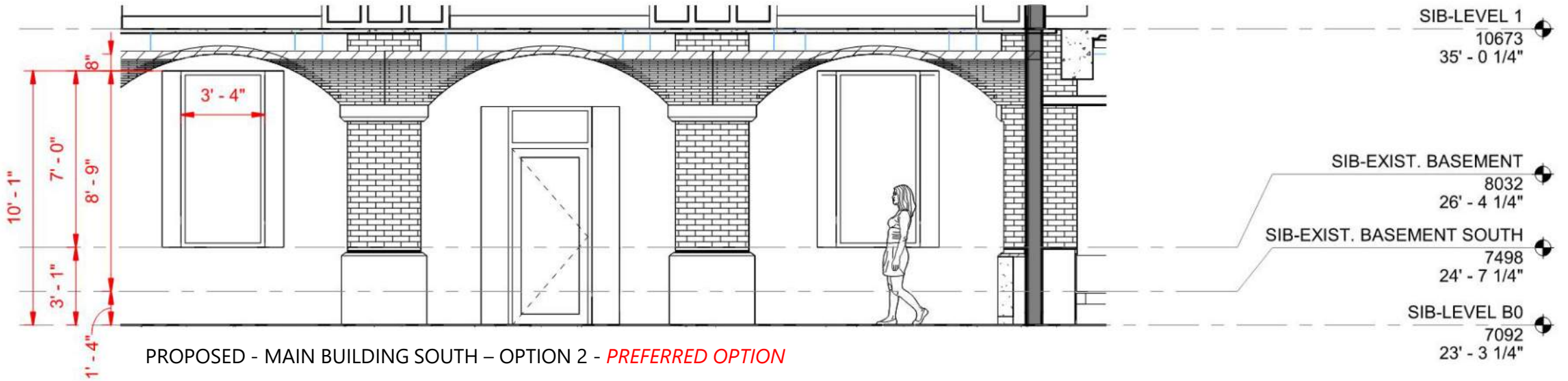
PROPOSED - MAIN BUILDING SOUTH - OPTION 1

SMITHSONIAN INSTITUTION BUILDING (SIB)

WINDOW REPLACEMENT | PROPOSED
 MAIN BUILDING SOUTH - INTERIOR DETAIL
 OPTION 2



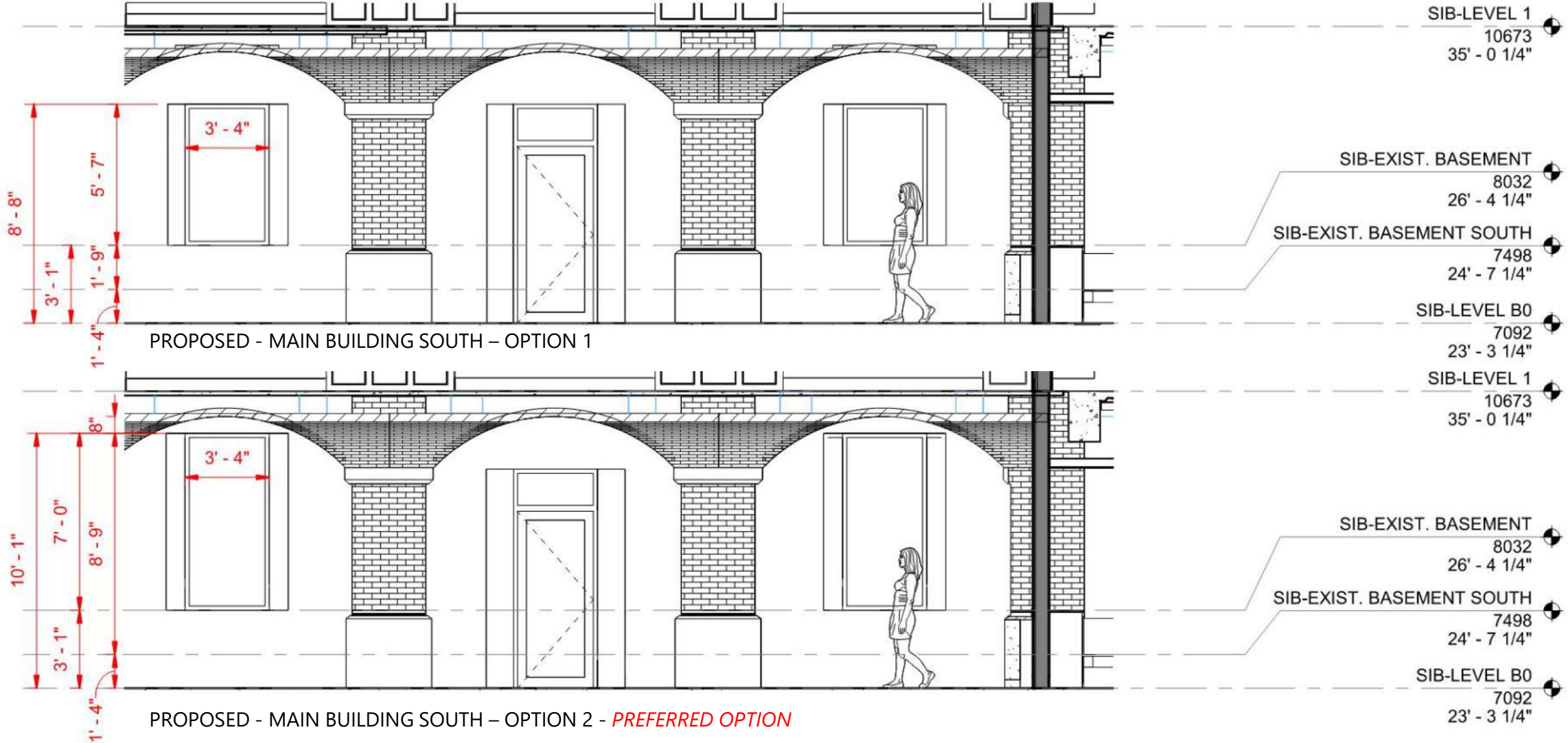
EXISTING - MAIN BUILDING SOUTH (CAFETERIA)



PROPOSED - MAIN BUILDING SOUTH - OPTION 2 - **PREFERRED OPTION**

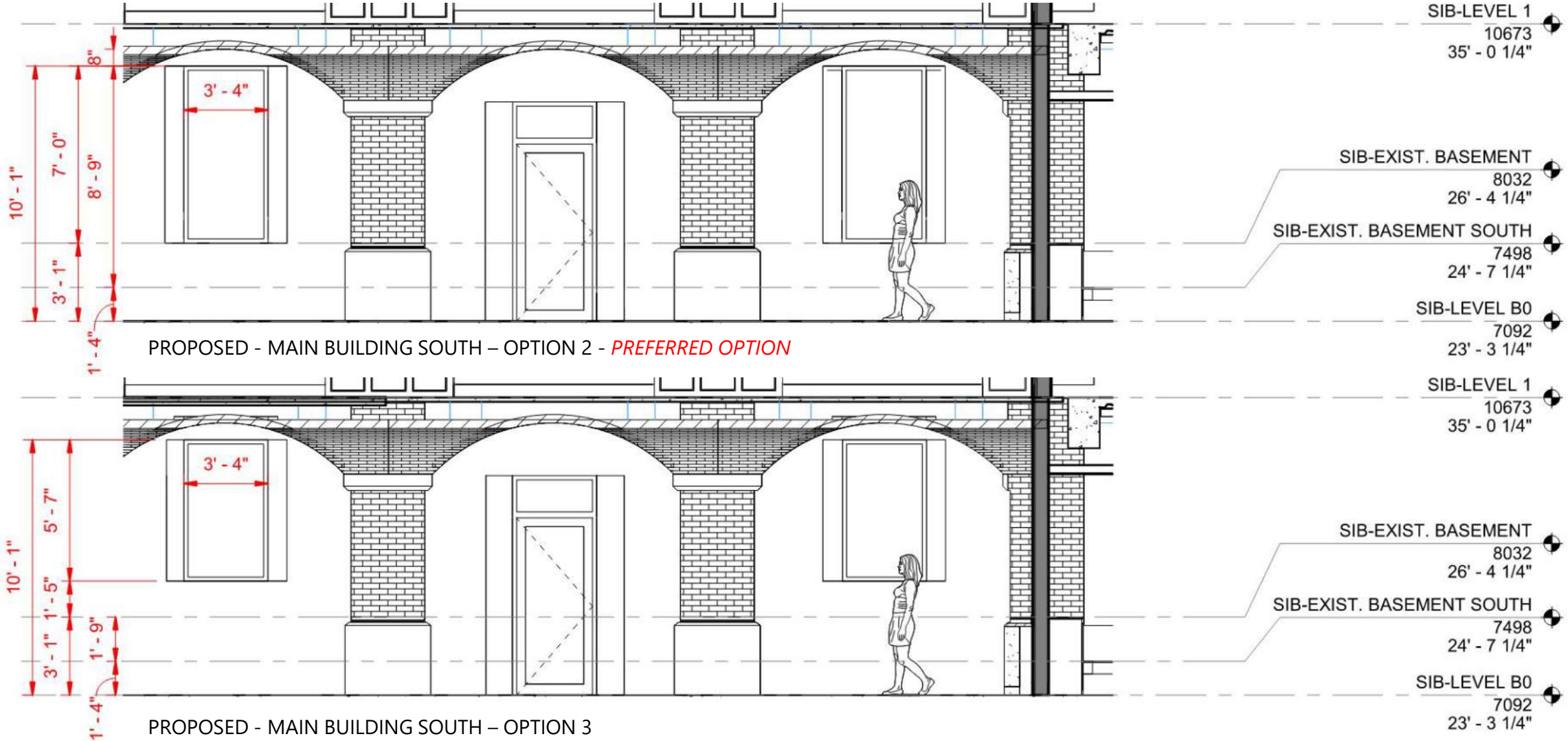
SMITHSONIAN INSTITUTION BUILDING (SIB)

WINDOW REPLACEMENT | PROPOSED
 MAIN BUILDING SOUTH - INTERIOR DETAIL
 COMPARISON OF OPTION 1 & 2



SMITHSONIAN INSTITUTION BUILDING (SIB)

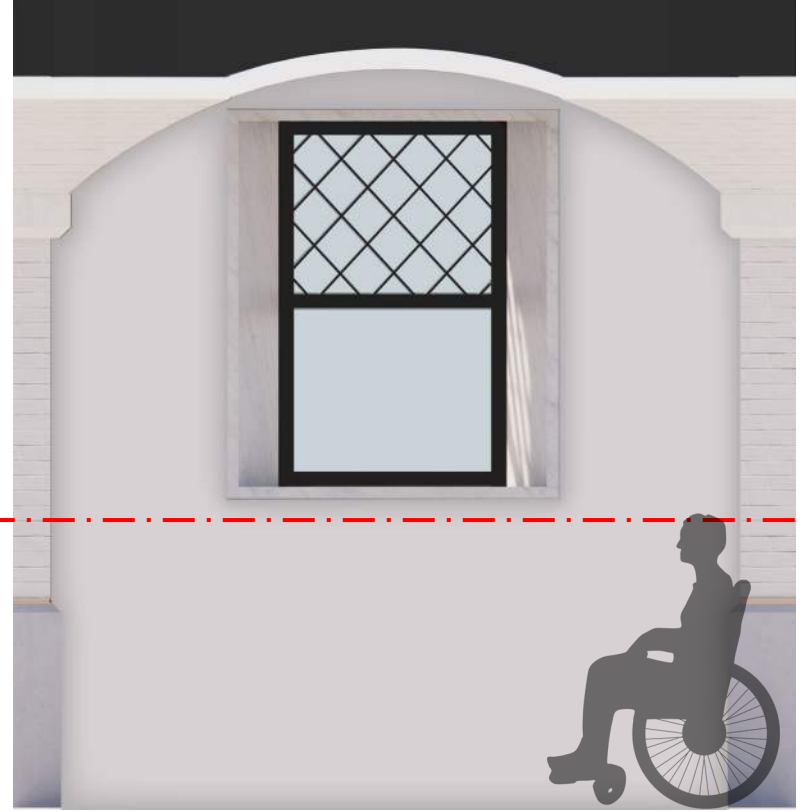
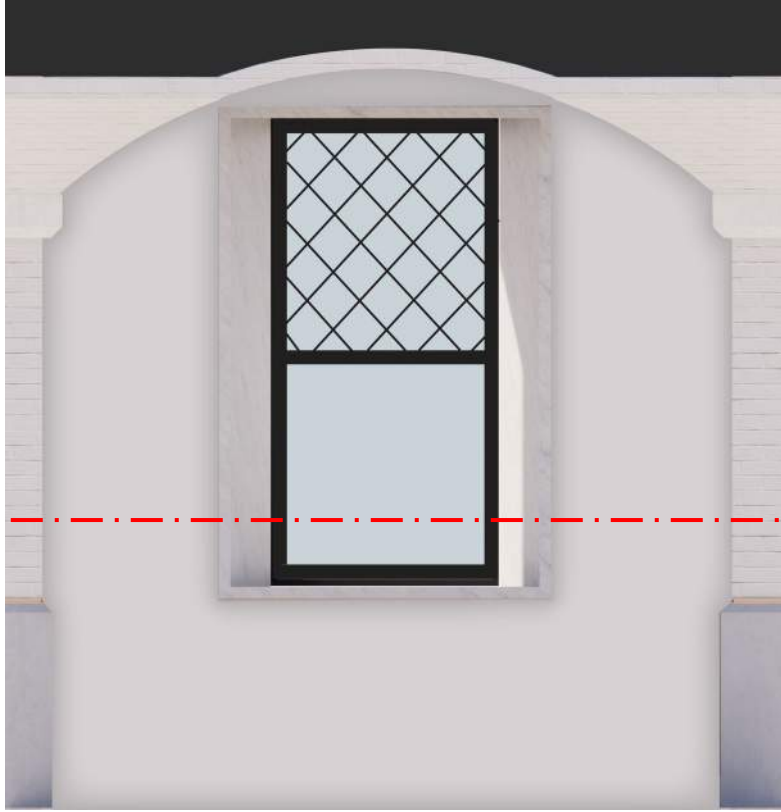
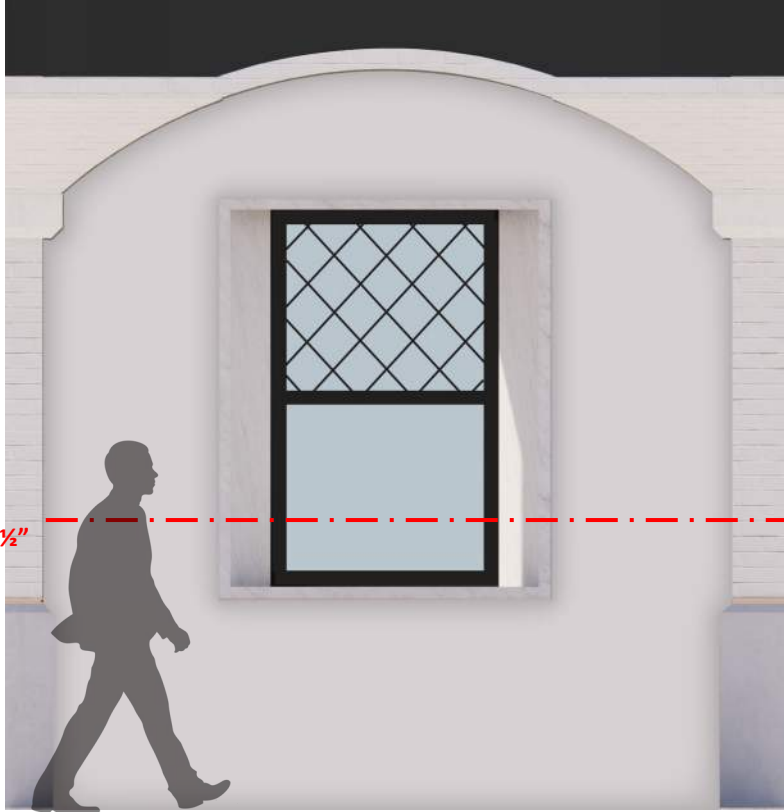
WINDOW REPLACEMENT | PROPOSED
 MAIN BUILDING SOUTH - INTERIOR DETAIL
 COMPARISON OF OPTION 2 & 3



SMITHSONIAN INSTITUTION BUILDING (SIB)

WINDOW REPLACEMENT | PROPOSED

MAIN BUILDING BASEMENT - WINDOW SIZE OPTION VISUALIZATION COMPARISON



FEATURES:

OPTION 1

- 3'-4" x 5'-7"
- HEADER AT LOWER WATER LINE
- SILL AT EXISTING BASEMENT DATUM

OPTION 2 – *PREFERRED OPTION*

- 3'-4" x 7'-0"
- HEADER AT EXISTING HEADER HEIGHT
- SILL AT EXISTING BASEMENT DATUM

OPTION 3

- 3'-4" x 5'-7"
- HEADER AT EXISTING HEADER HEIGHT
- SILL AT 4'-7"

*ARCHITECTURAL GRAPHIC STANDARDS (AGS) SITTING HEIGHT

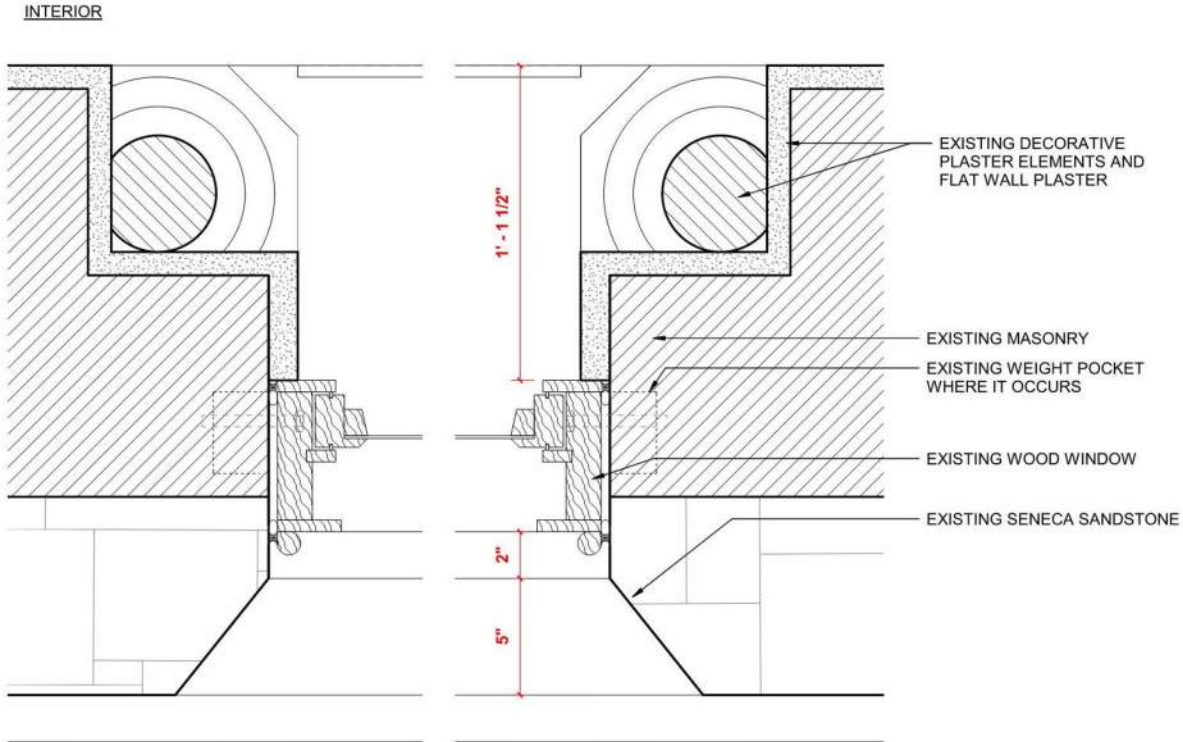


WINDOW REPLACEMENT ANCHORAGE DETAILS

SMITHSONIAN INSTITUTION BUILDING (SIB)

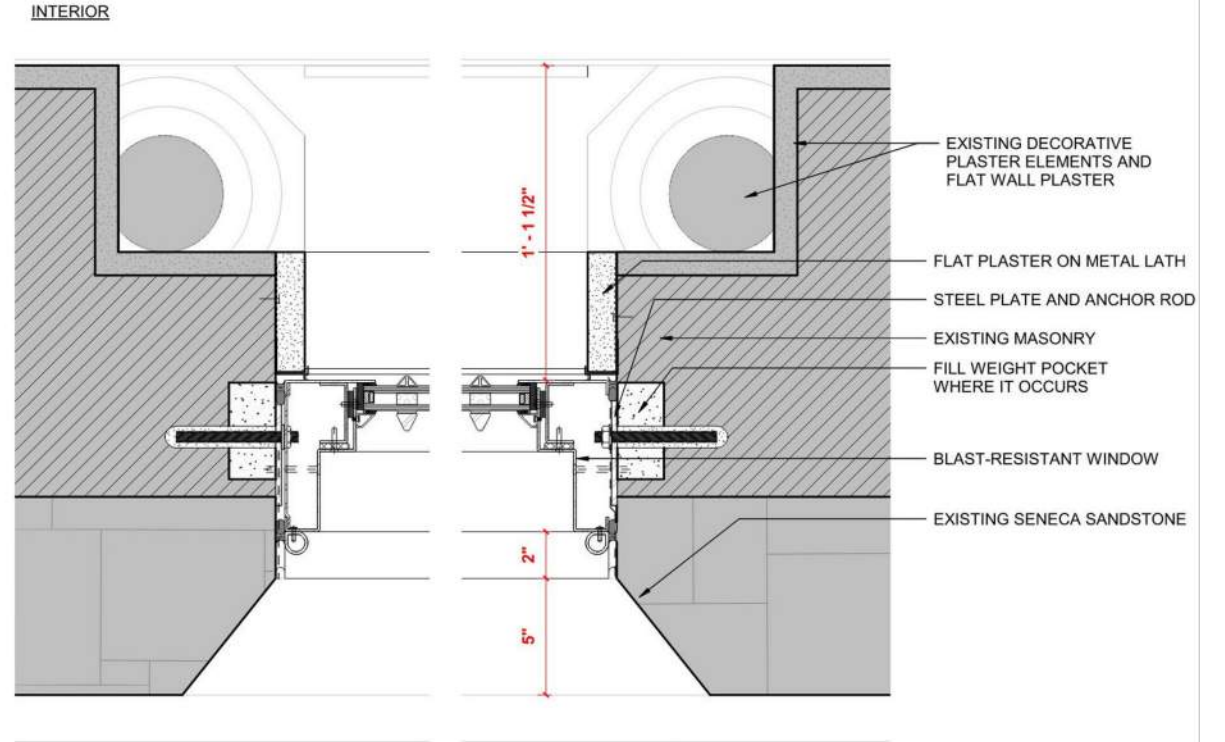
WINDOW REPLACEMENT | TYPICAL ANCHORAGE DETAIL NEW BLAST WINDOW (ADDITIONAL STRENGTHENING WHERE REQUIRED)

| BLAST APPROACH | QTY |
|-------------------------------------|------------|
| NEW BLAST WINDOW | 397 |
| NEW INTERIOR BLAST STORM + HISTORIC | 72 |
| NEW NON-BLAST WINDOW | 110 |
| TOTAL WINDOWS | 579 |



EXTERIOR

EXISTING WINDOW PLAN DETAIL



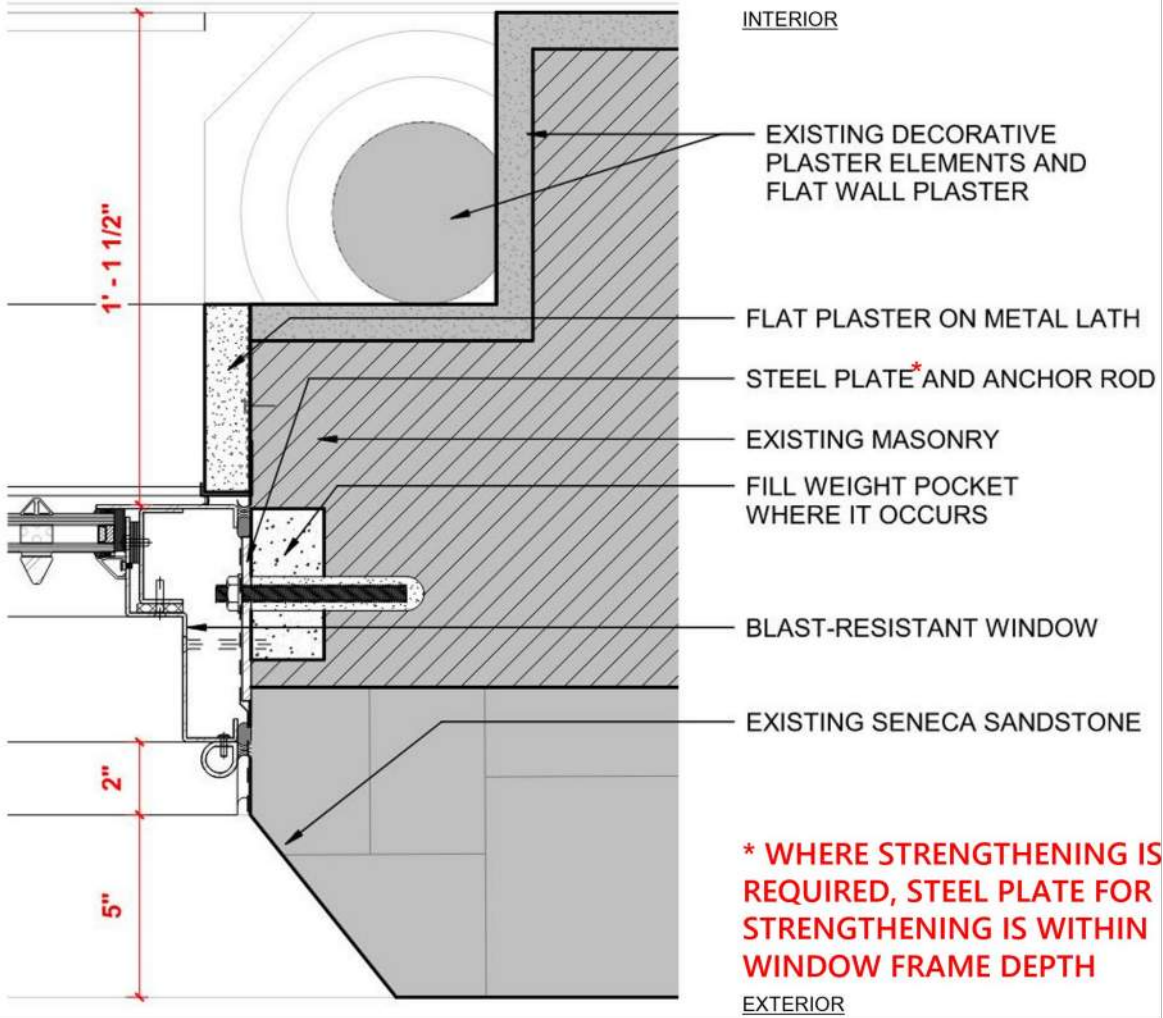
EXTERIOR

PROPOSED WINDOW PLAN DETAIL

*** WHERE STRENGTHENING IS REQUIRED, STEEL PLATE FOR STRENGTHENING IS WITHIN WINDOW FRAME DEPTH**

SMITHSONIAN INSTITUTION BUILDING (SIB)

WINDOW REPLACEMENT | TYPICAL ANCHORAGE JAMB DETAIL
 NEW BLAST WINDOW (ADDITIONAL STRENGTHENING WHERE REQUIRED)



PROPOSED WINDOW JAMB DETAIL

| BLAST APPROACH | QTY |
|-------------------------------------|------------|
| NEW BLAST WINDOW | 397 |
| NEW INTERIOR BLAST STORM + HISTORIC | 72 |
| NEW NON-BLAST WINDOW | 110 |
| TOTAL WINDOWS | 579 |

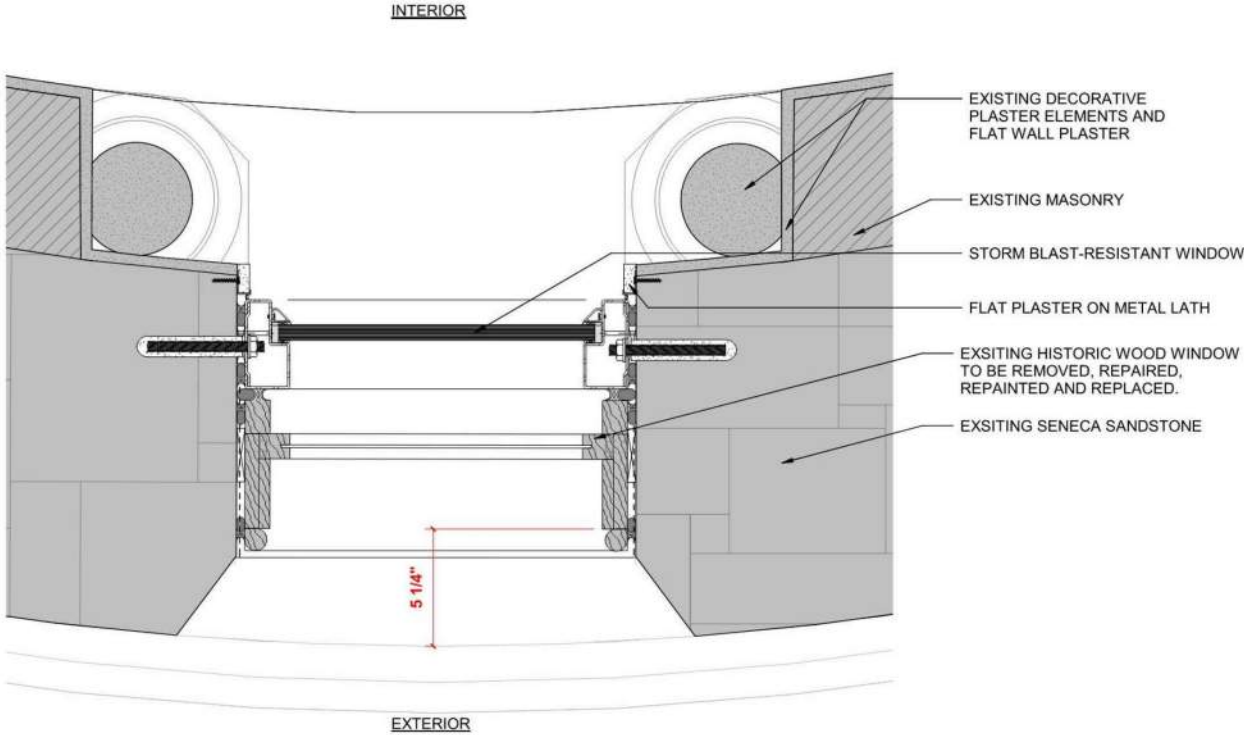
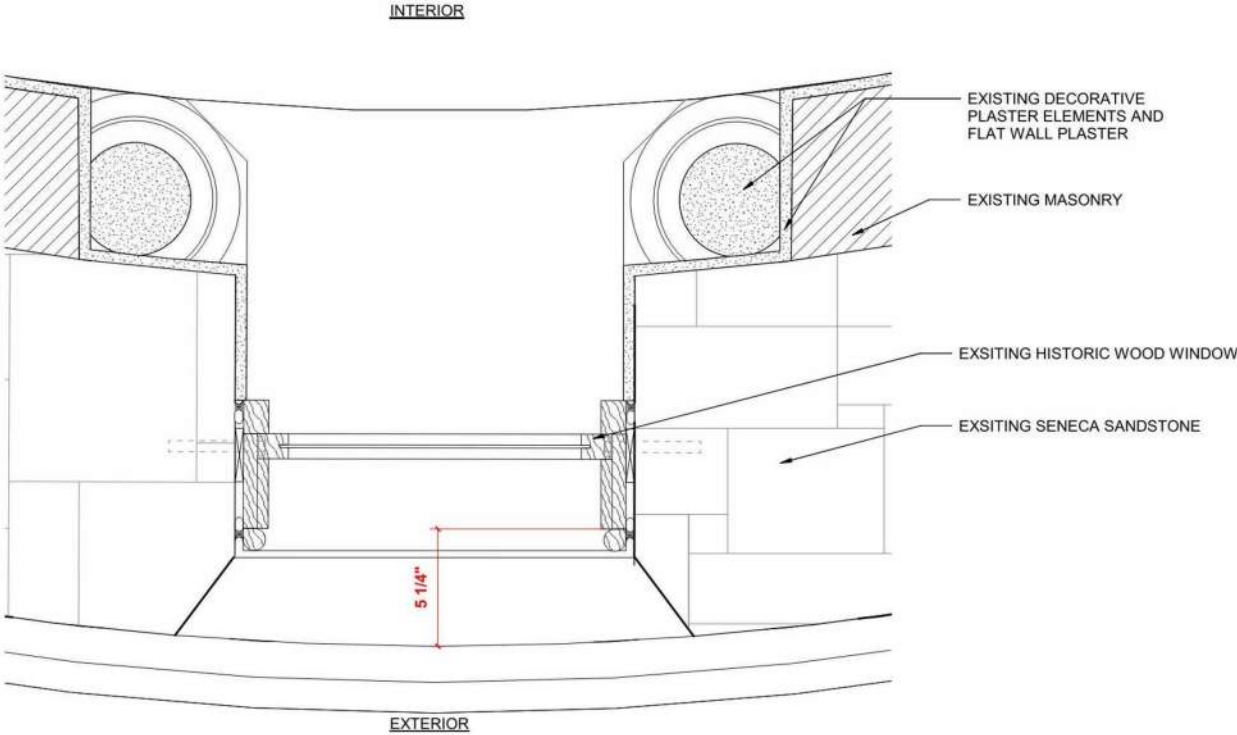
Features:

- Typical blast window placed at same location as existing.
- Window anchorage concealed within window frame depth.
- Where strengthening is required steel plate is concealed within window frame depth.
- Minimal plaster removal required to remove existing window as plaster turns into existing wood frame.

SMITHSONIAN INSTITUTION BUILDING (SIB)

WINDOW REPLACEMENT | TYPICAL ANCHORAGE DETAIL NEW INTERIOR STORM WINDOW

| BLAST APPROACH | QTY |
|-------------------------------------|------------|
| NEW BLAST WINDOW | 397 |
| NEW INTERIOR BLAST STORM + HISTORIC | 72 |
| NEW NON-BLAST WINDOW | 110 |
| TOTAL WINDOWS | 579 |



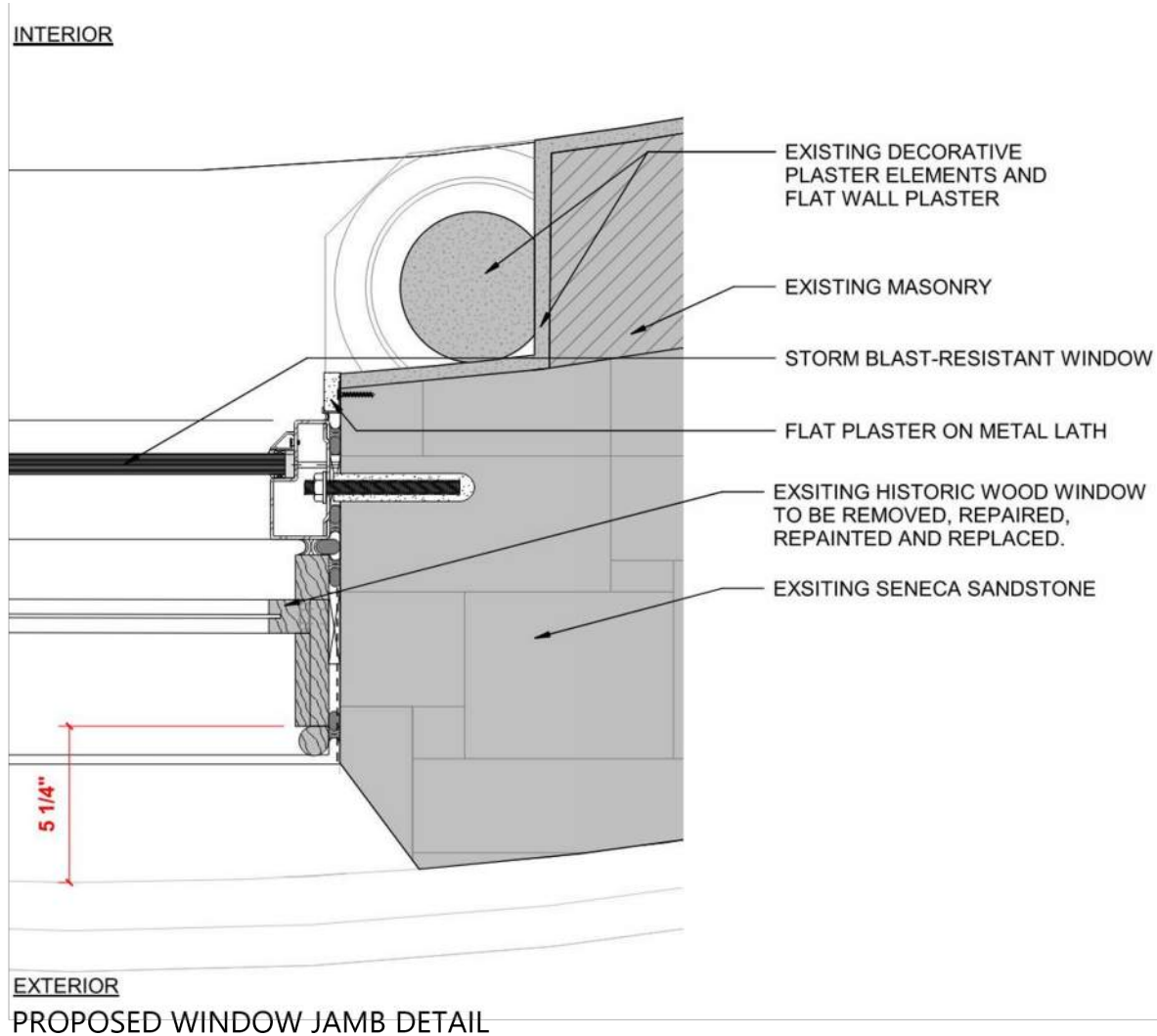
EXISTING WINDOW PLAN DETAIL

PROPOSED WINDOW PLAN DETAIL

SMITHSONIAN INSTITUTION BUILDING (SIB)

WINDOW REPLACEMENT | TYPICAL ANCHORAGE JAMB DETAIL

NEW INTERIOR STORM WINDOW



| BLAST APPROACH | QTY |
|-------------------------------------|------------|
| NEW BLAST WINDOW | 397 |
| NEW INTERIOR BLAST STORM + HISTORIC | 72 |
| NEW NON-BLAST WINDOW | 110 |
| TOTAL WINDOWS | 579 |

Features:

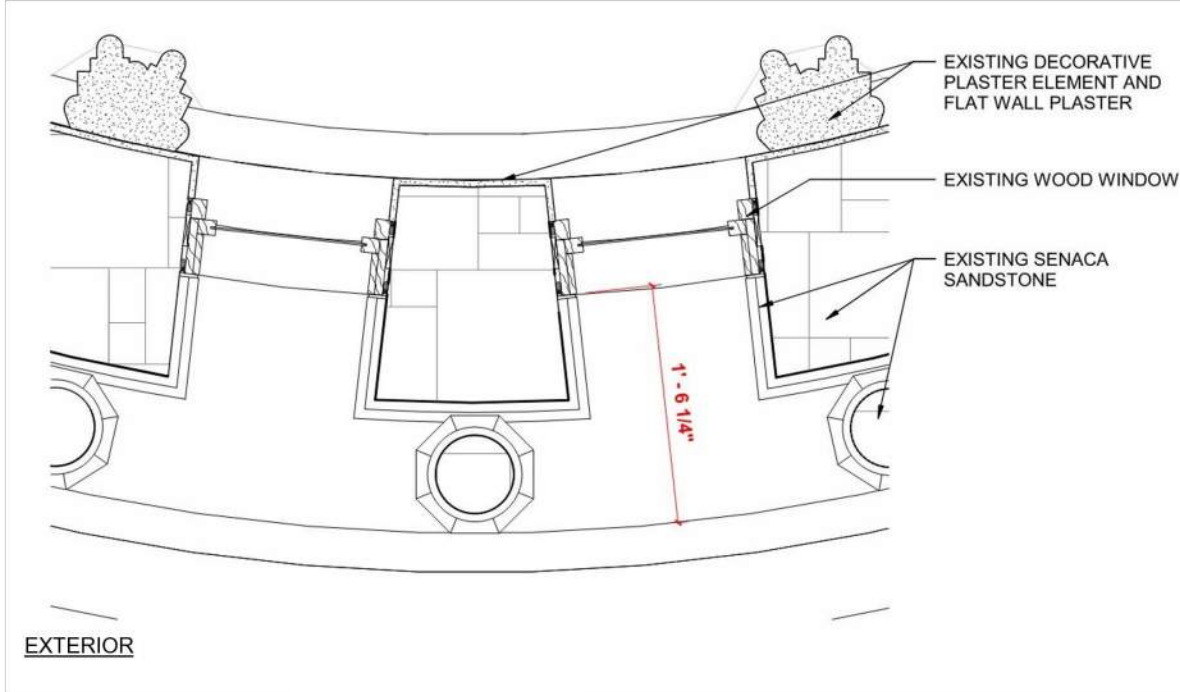
- Typical interior storm blast window placed behind existing window.
- Window anchorage concealed within window frame depth.
- Minimal plaster removal required to remove existing window for repairs as plaster turns into existing wood frame.

SMITHSONIAN INSTITUTION BUILDING (SIB)

WINDOW REPLACEMENT | TYPICAL ANCHORAGE DETAIL NEW INTERIOR STORM WINDOW + WALL STRENGTHENING

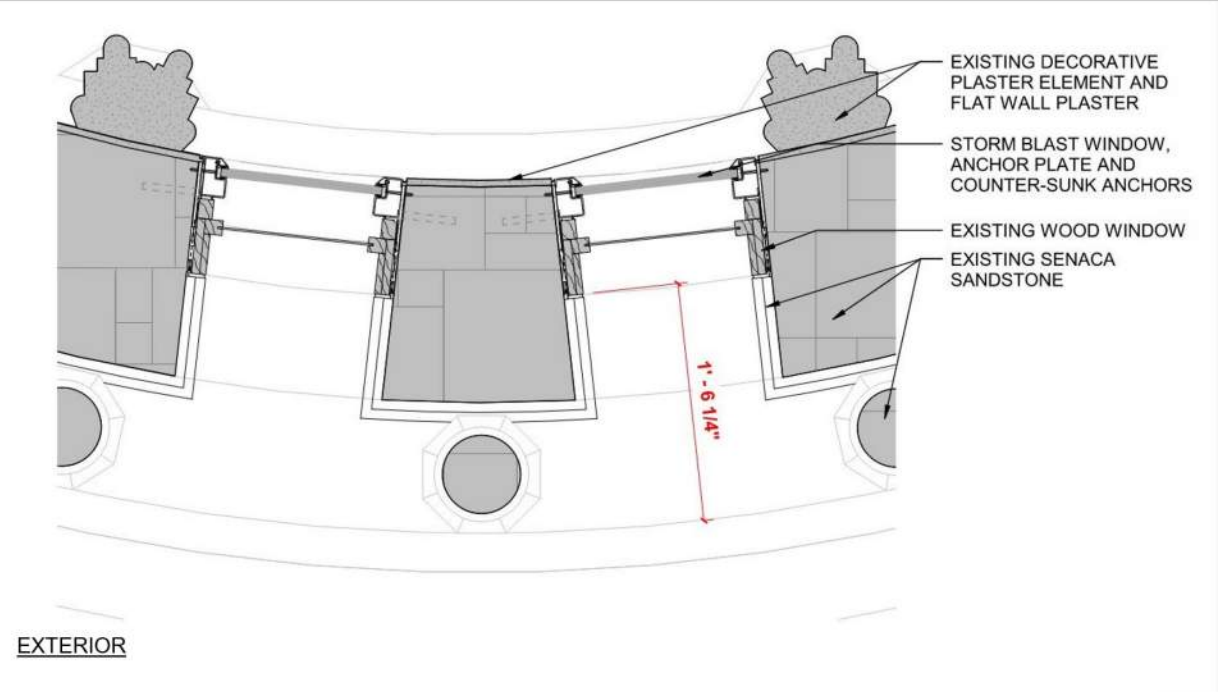
| BLAST APPROACH | QTY |
|--|------------|
| NEW BLAST WINDOW | 397 |
| NEW INTERIOR BLAST STORM + HISTORIC | 72 |
| NEW NON-BLAST WINDOW | 110 |
| TOTAL WINDOWS | 579 |

INTERIOR



EXISTING WINDOW PLAN DETAIL

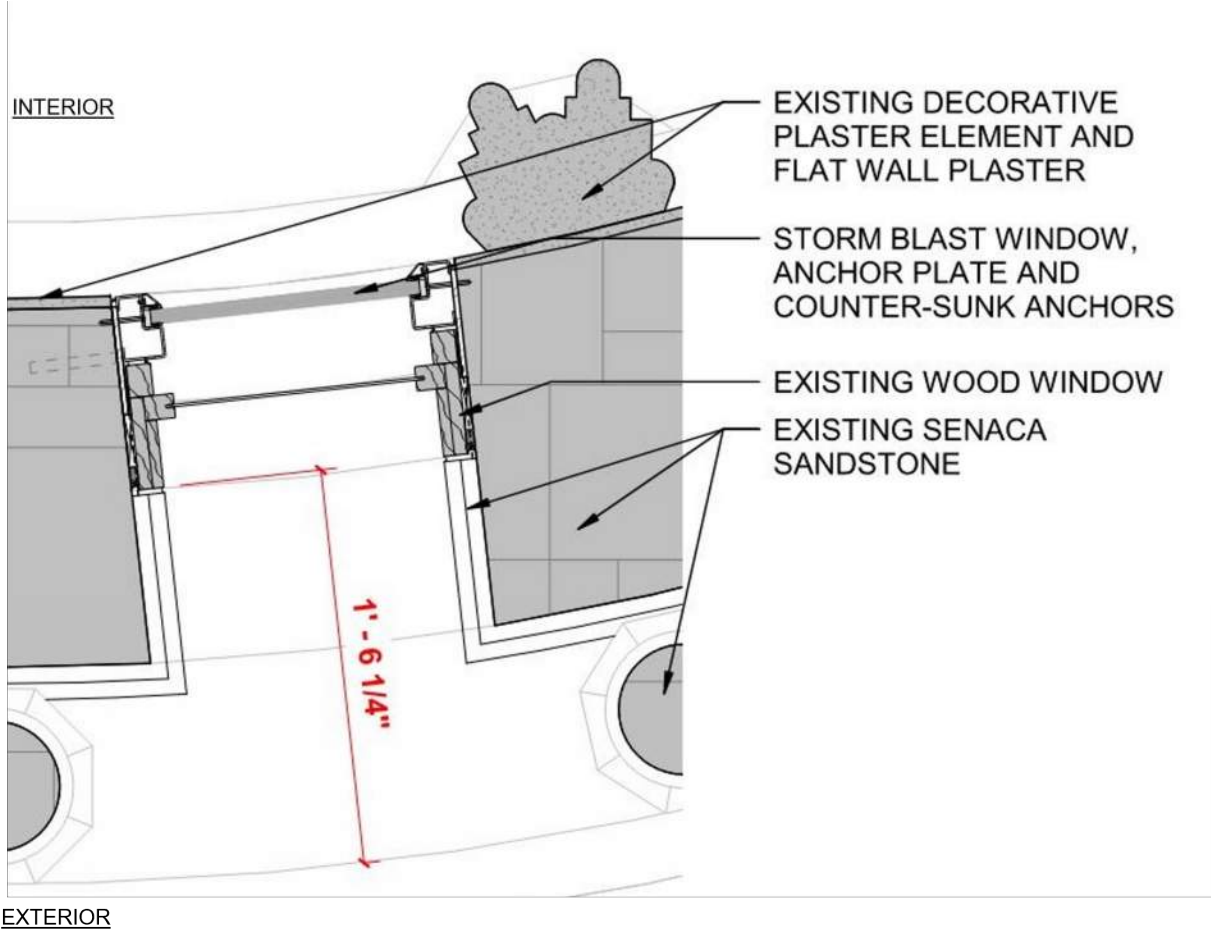
INTERIOR



PROPOSED WINDOW PLAN DETAIL

SMITHSONIAN INSTITUTION BUILDING (SIB)

WINDOW REPLACEMENT | TYPICAL ANCHORAGE DETAIL NEW INTERIOR STORM WINDOW + WALL STRENGTHENING



PROPOSED WINDOW JAMB DETAIL

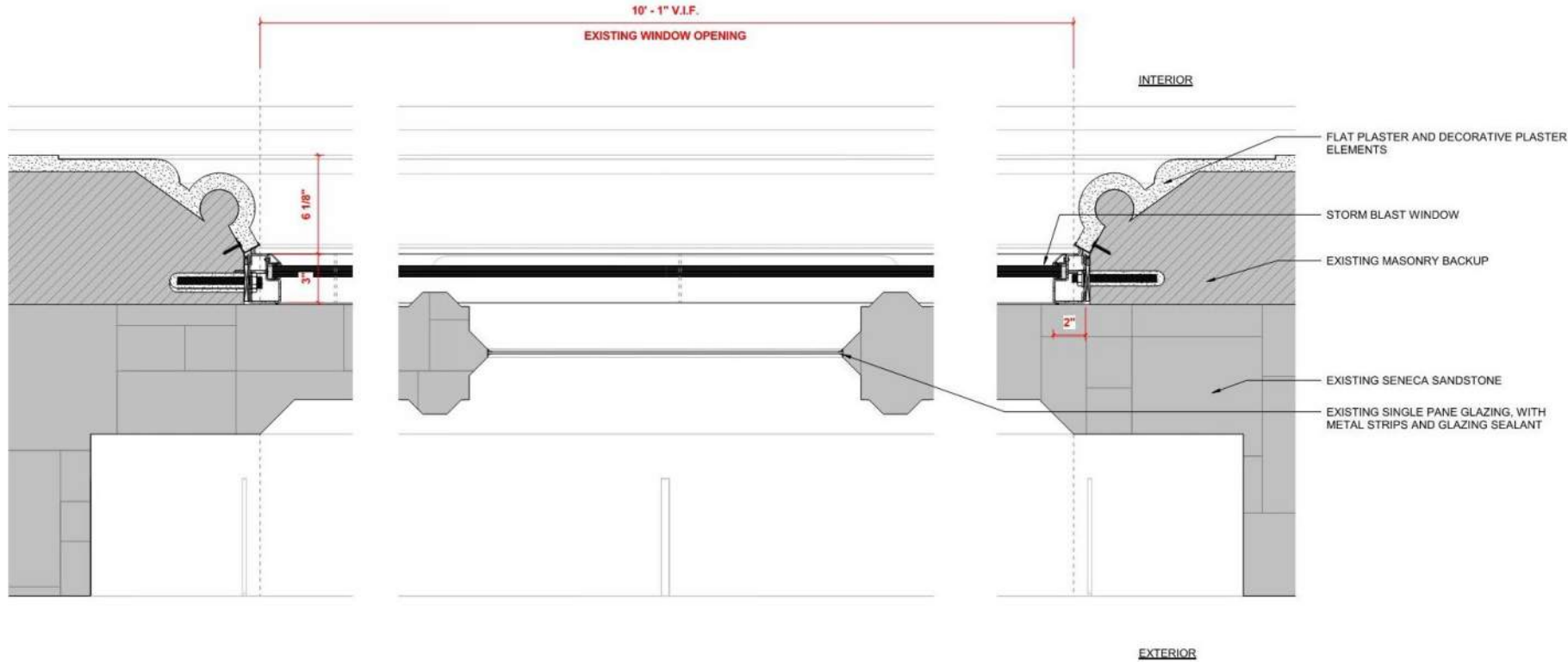
| BLAST APPROACH | QTY |
|--|------------|
| NEW BLAST WINDOW | 397 |
| NEW INTERIOR BLAST STORM + HISTORIC | 72 |
| NEW NON-BLAST WINDOW | 110 |
| TOTAL WINDOWS | 579 |

Features:

- Typical interior storm blast window placed behind existing window.
- Window anchorage concealed within window frame depth.
- Steel plate required for strengthening concealed within window frame depth.
- Minimal plaster removal required to remove existing window as plaster turns into existing wood frame.

SMITHSONIAN INSTITUTION BUILDING (SIB)

WINDOW REPLACEMENT | TYPICAL ANCHORAGE DETAIL NEW INTERIOR STORM ROSE WINDOW – COMMONS (SINGLE PANE GLAZING)



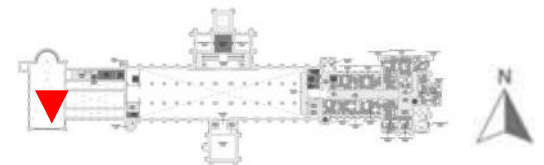
PROPOSED WINDOW PLAN DETAIL

Features:

- Interior storm blast window placed behind existing window with single pane glazing.
- Window anchorage and strengthening concealed within window frame depth.
- Minimal plaster removal required to attach frame to masonry.

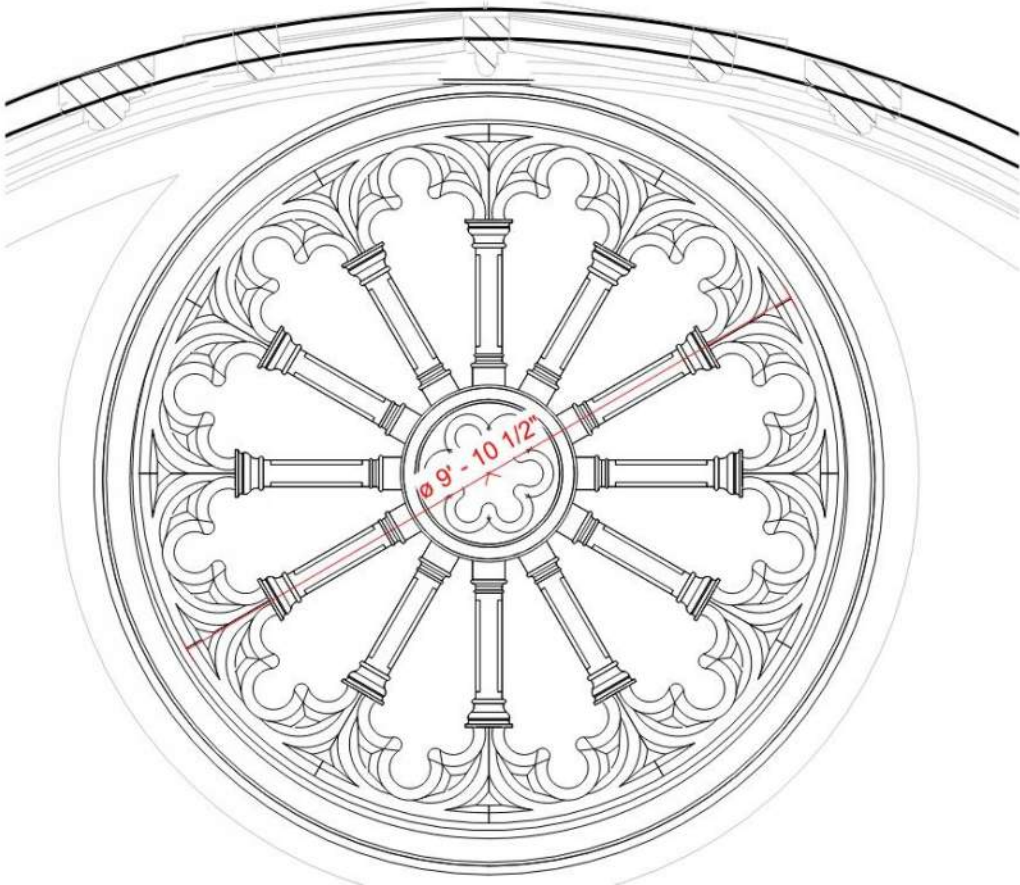


EXISTING WINDOW ELEVATION

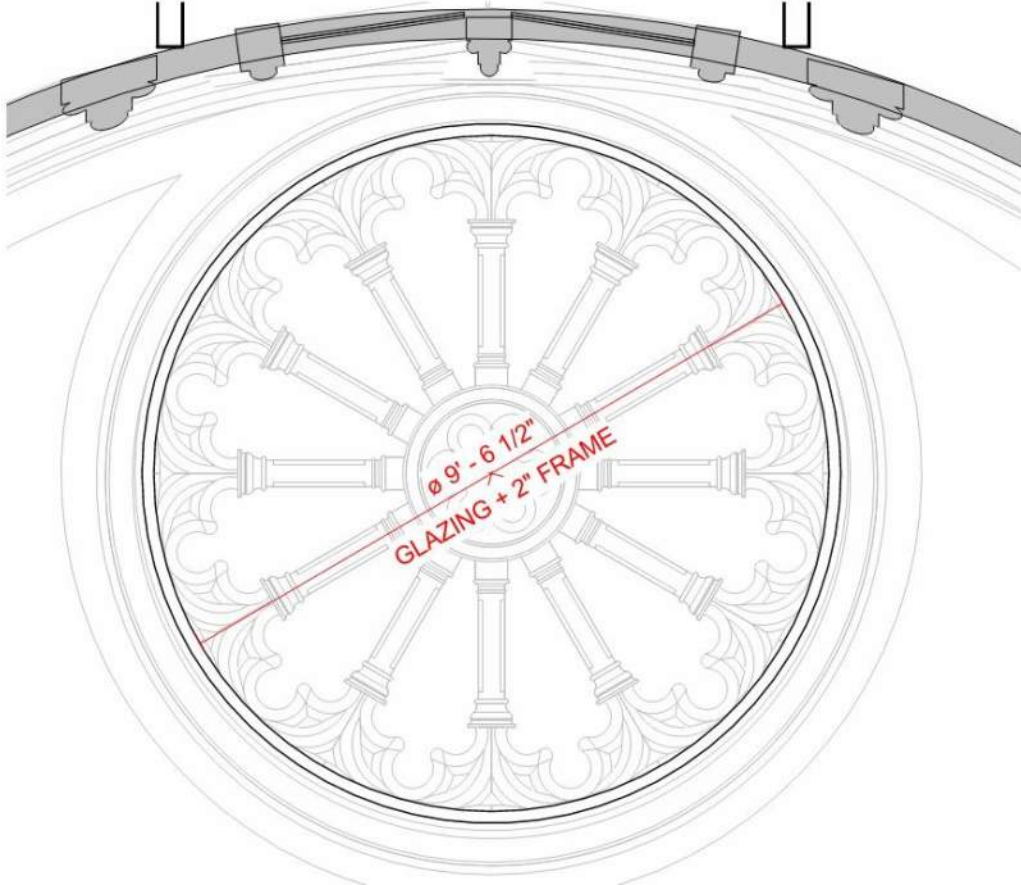


SMITHSONIAN INSTITUTION BUILDING (SIB)

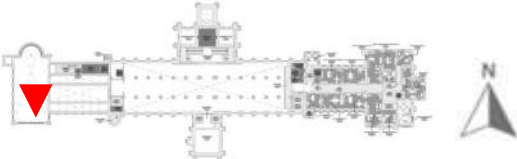
WINDOW REPLACEMENT | TYPICAL ANCHORAGE DETAIL
NEW INTERIOR STORM ROSE WINDOW – COMMONS (SINGLE PANE GLAZING)



EXISTING WINDOW INTERIOR ELEVATION

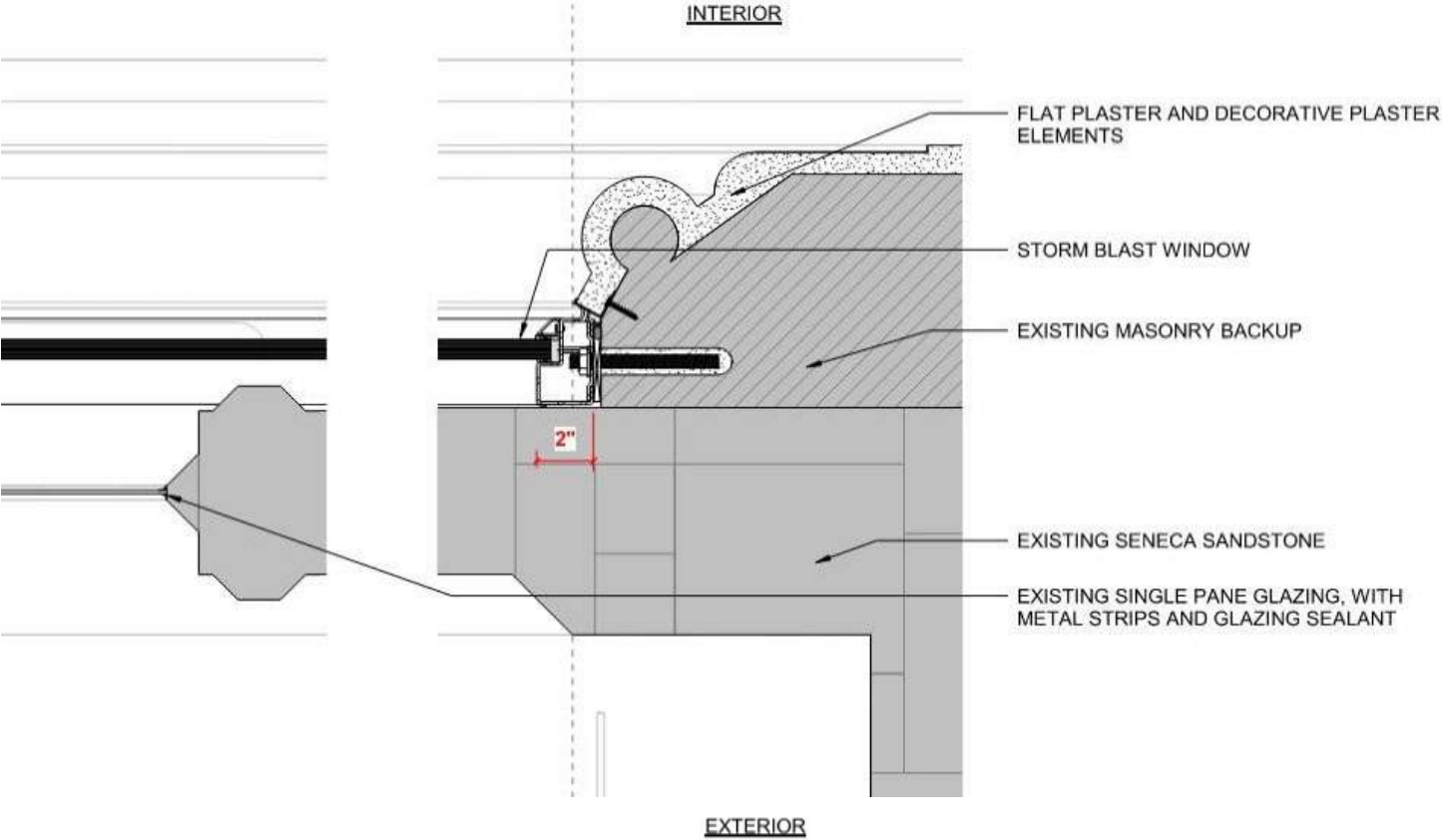


PROPOSED WINDOW INTERIOR ELEVATION

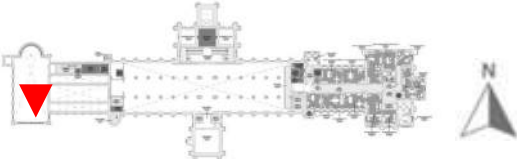


SMITHSONIAN INSTITUTION BUILDING (SIB)

WINDOW REPLACEMENT | TYPICAL ANCHORAGE JAMB DETAIL
NEW INTERIOR STORM ROSE WINDOW – COMMONS (SINGLE PANE GLAZING)



PROPOSED WINDOW JAMB DETAIL



Questions or Comments

MODERATOR

Carly Bond, Historic Preservation Specialist

PRESENTERS / PANELISTS

Brenda Sanchez, FAIA, Sr. Design Manager

Christopher Lethbridge, Architect/Program Manager

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)



INTERIOR EFFECTS OF LOWERING FLOOR

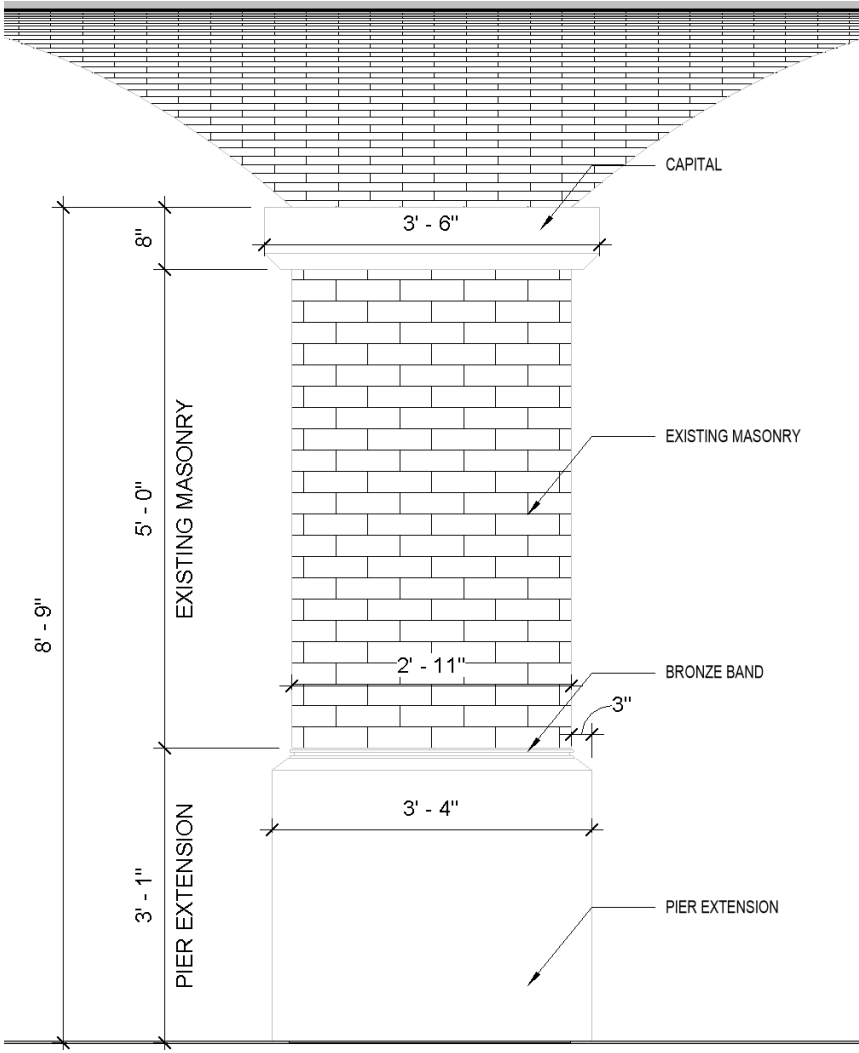
Pier Extension + Flooring

SMITHSONIAN INSTITUTION BUILDING (SIB)

B0 VISITOR AMENITIES | EXTENSION OF B0 PIER ELEVATION



EXISTING PIER AT SOUTH ELEVATION



PROPOSED PIER EXTENSION

SMITHSONIAN INSTITUTION BUILDING (SIB)

B0 VISITOR AMENITIES | HISTORIC BASEMENT IMAGE



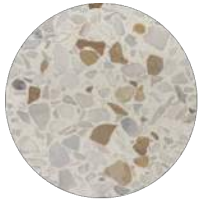
BASEMENT CEILING PAINTED WHITE



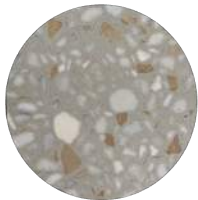
EXISTING VISIBILITY OF BASEMENT CEILING

SMITHSONIAN INSTITUTION BUILDING (SIB)

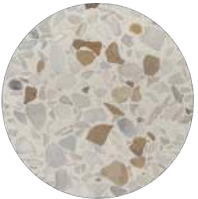
B0 VISITOR AMENITIES | OPTION 1 PIER EXTENSION AND FLOORING



COLUMN EXTENSION
TERRAZZO OPTION #1



FLOOR TERRAZZO 01



FLOOR TERRAZZO 02

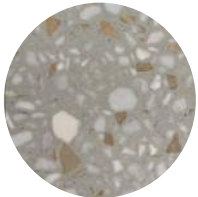


SMITHSONIAN INSTITUTION BUILDING (SIB)

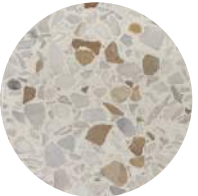
B0 VISITOR AMENITIES | OPTION 2 PIER EXTENSION AND FLOORING



COLUMN EXTENSION
PARGE MATERIAL OPTION #2



FLOOR TERRAZZO 01



FLOOR TERRAZZO 02

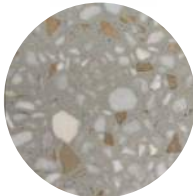


SMITHSONIAN INSTITUTION BUILDING (SIB)

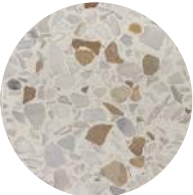
B0 VISITOR AMENITIES | OPTION 3 PIER EXTENSION AND FLOORING



COLUMN EXTENSION
STONE OPTION #3
Indiana Limestone - Sandblasted



FLOOR TERRAZZO 01



FLOOR TERRAZZO 02

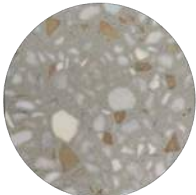


SMITHSONIAN INSTITUTION BUILDING (SIB)

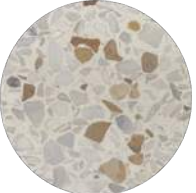
B0 VISITOR AMENITIES | OPTION 4 - **PREFERRED**
PIER EXTENSION AND FLOORING



COLUMN EXTENSION
STONE OPTION #4
St. Clair Limestone



FLOOR TERRAZZO 01



FLOOR TERRAZZO 02



JULY 11th SITE VISIT

Exterior Replacement Materials

RoHC Revitalize Castle – Status of Design Review Items

Site Visit & Material Review (July 11, 2023)

- Materials reviewed for:
 - Perimeter Security Hardened Elements (North Entry)
 - Areaway Finishes (Granite, UHPC, Pavers, Precast Treads)
 - Roof slate



LEFT TO RIGHT: ROOF SLATE, AREAWAY MATERIALS, PERIMETER SECURITY MATERIALS

* Consensus: Prairie Brown or Olympic Black for perimeter security



PERIMETER SECURITY

RoHC Revitalize Castle – Status of Design Review Items

Site Visit & Material Review (July 11, 2023)



AREAWAY MATERIALS



ROOF SLATE – GRAYSON SLATE



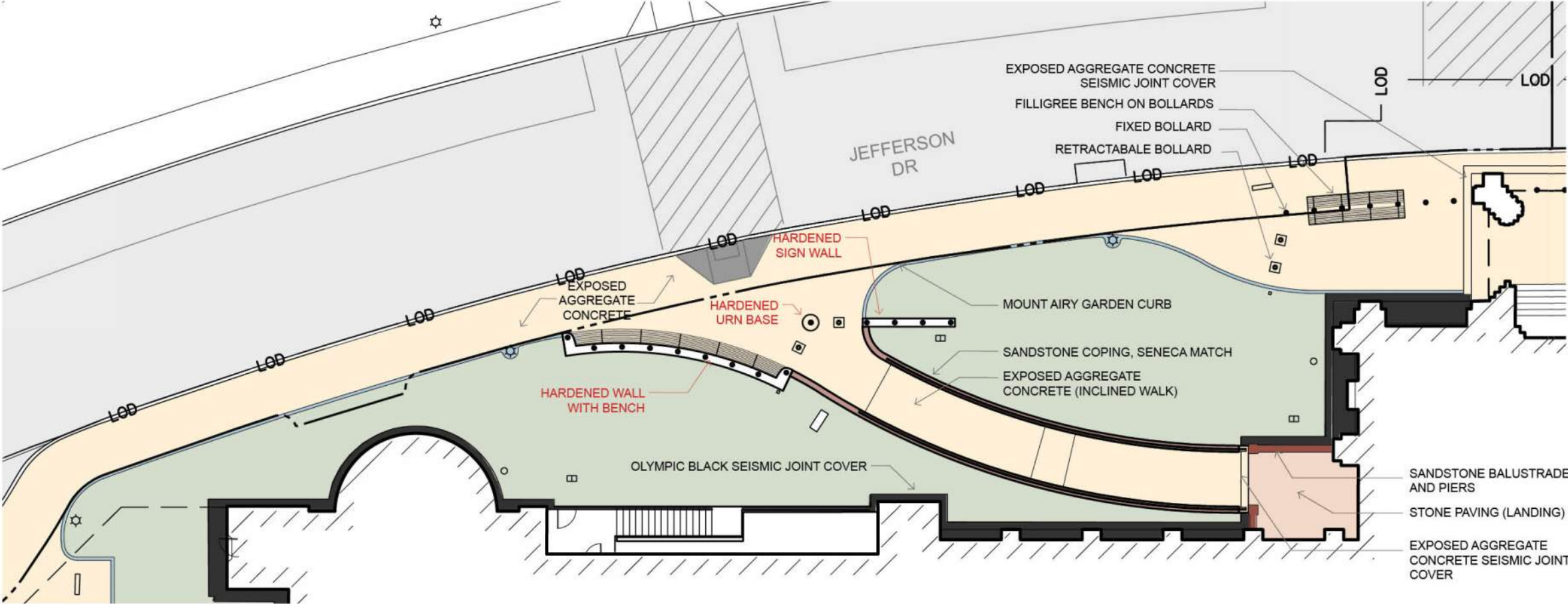
* Consensus: Grayson Slate for roof, closest to Buckingham slate

RESOLUTION OF PENDING ITEMS

STONE SELECTION – PERIMETER SECURITY

SMITHSONIAN INSTITUTION BUILDING (SIB)

PERIMETER SECURITY HARDENED ELEMENTS STONE OPTIONS



SMITHSONIAN INSTITUTION BUILDING (SIB)

PERIMETER SECURITY HARDENED ELEMENTS STONE OPTIONS – PRAIRIE BROWN



PRAIRIE BROWN (FINISH TBD)



SMITHSONIAN INSTITUTION BUILDING (SIB)

PERIMETER SECURITY HARDENED ELEMENTS STONE OPTIONS – OLYMPIC BLACK



OLYMPIC BLACK - SANDBLAST FINISH



RESOLUTION OF PENDING ITEMS

NORTH RAMPS/SLOPED SIDEWALKS

SMITHSONIAN INSTITUTION BUILDING (SIB)

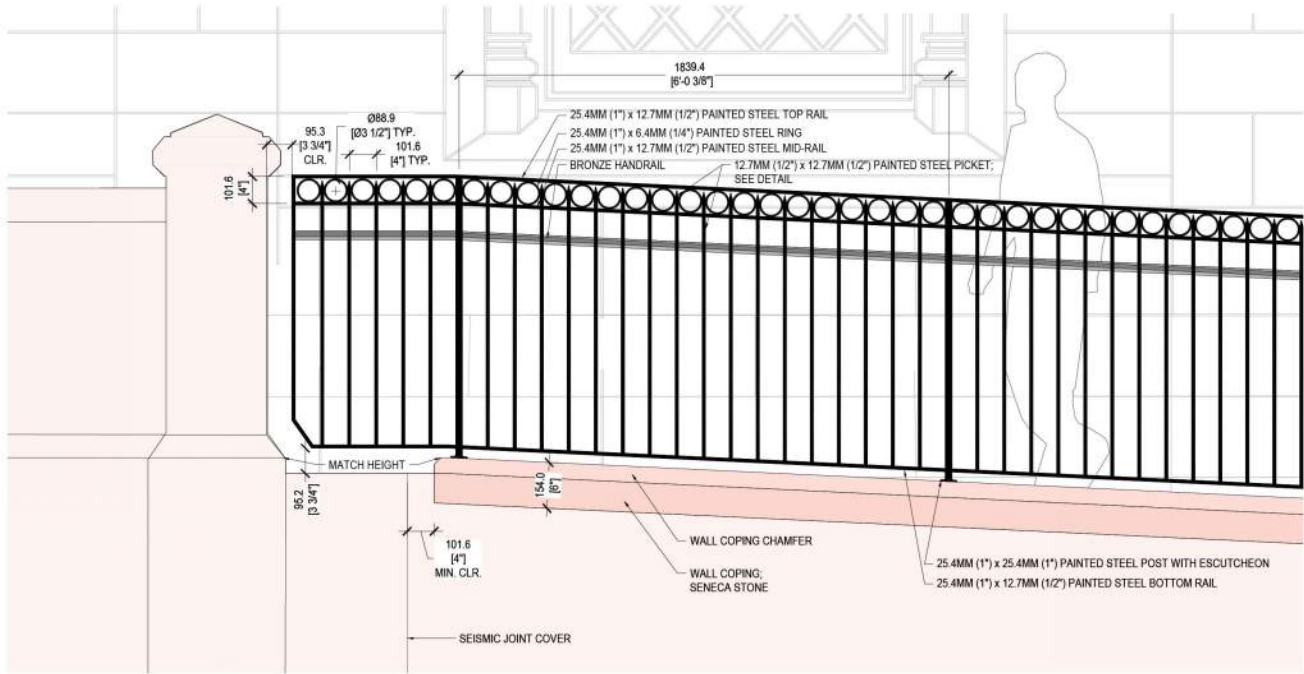
SLOPED SIDEWALK FROM JEFFERSON DRIVE – WEST: PROPOSED



EXISTING CONDITIONS: SANDSTONE BLOCKS WITH STONE COPING



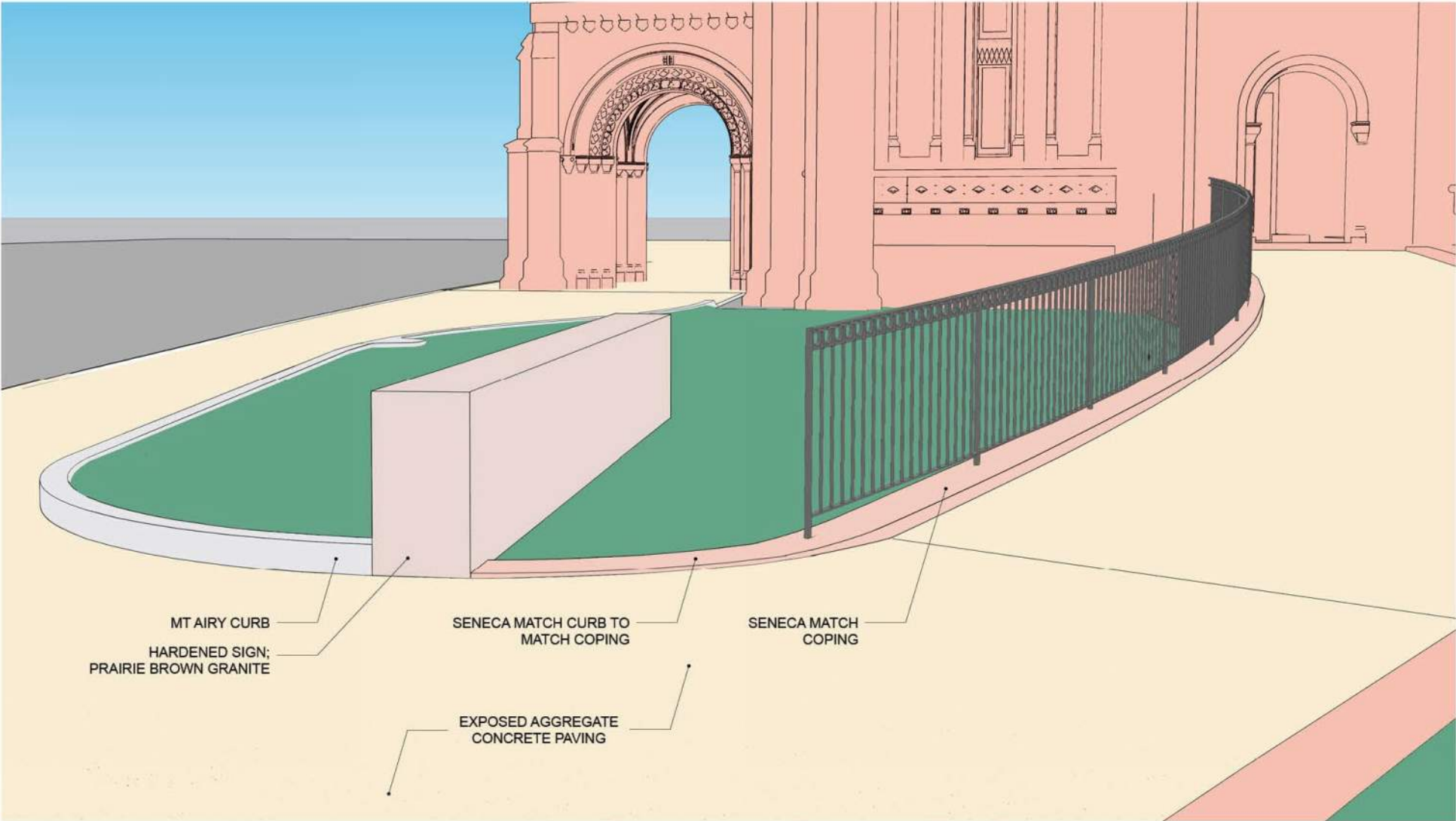
OLYMPIC BLACK (LEFT) SEISMIC JOINT COVER STONE AND PRAIRIE BROWN



PREFERRED OPTION: SENECA SANDSTONE MATCH FOR RAMP WALL (VENEER) AND COPING

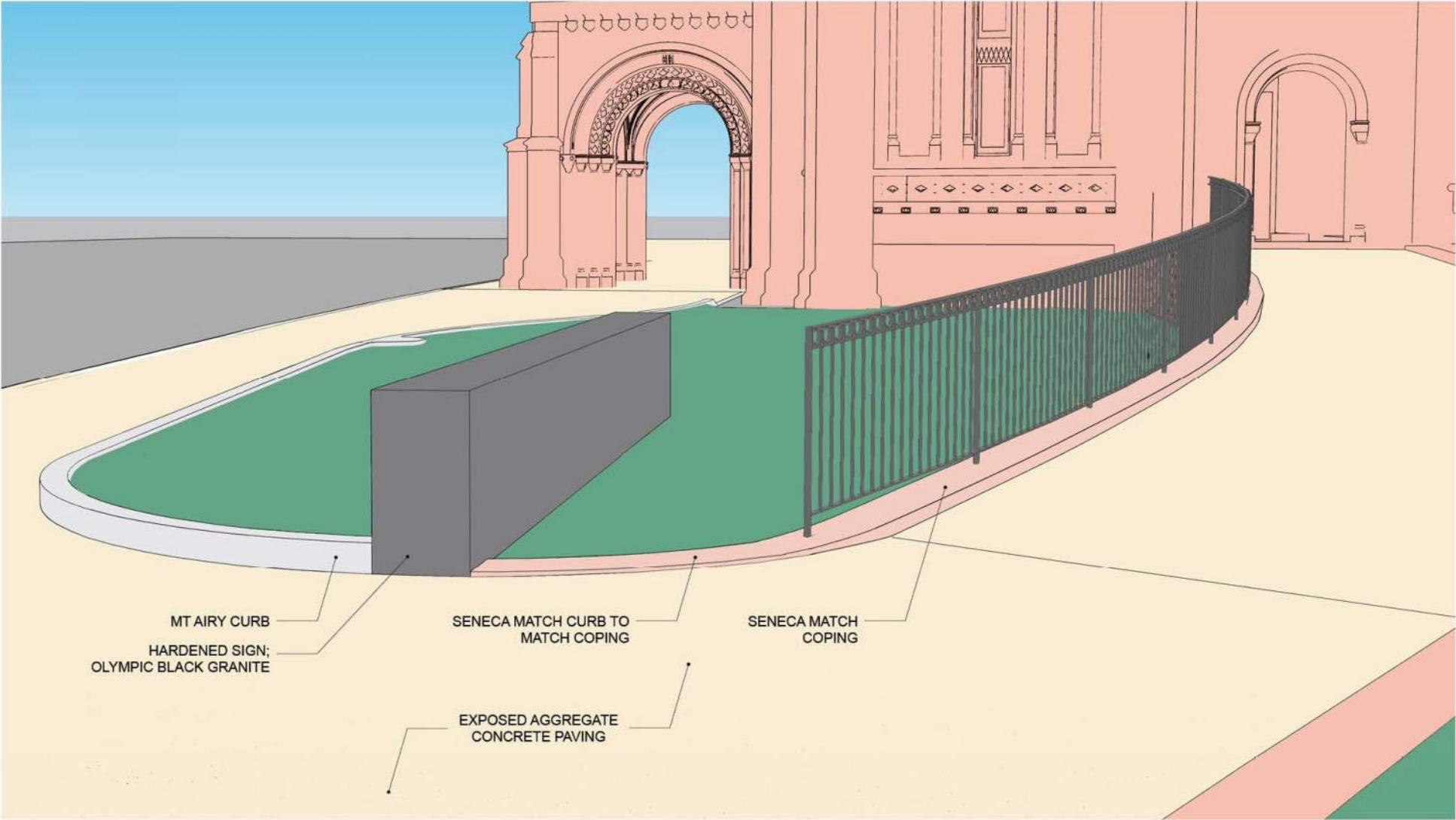
SMITHSONIAN INSTITUTION BUILDING (SIB)

SLOPED SIDEWALK FROM JEFFERSON DRIVE – WEST | PROPOSED
OPTION 1 – PRAIRIE BROWN



SMITHSONIAN INSTITUTION BUILDING (SIB)

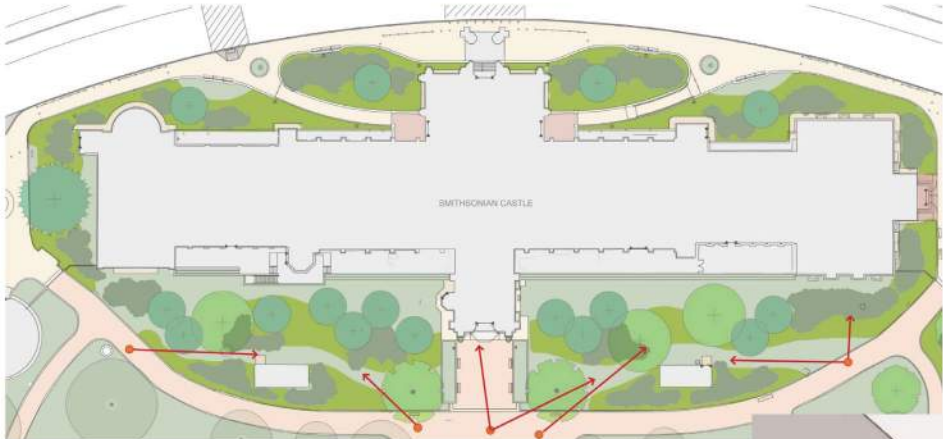
SLOPED SIDEWALK FROM JEFFERSON DRIVE – WEST | PROPOSED
OPTION 2 – OLYMPIC BLACK



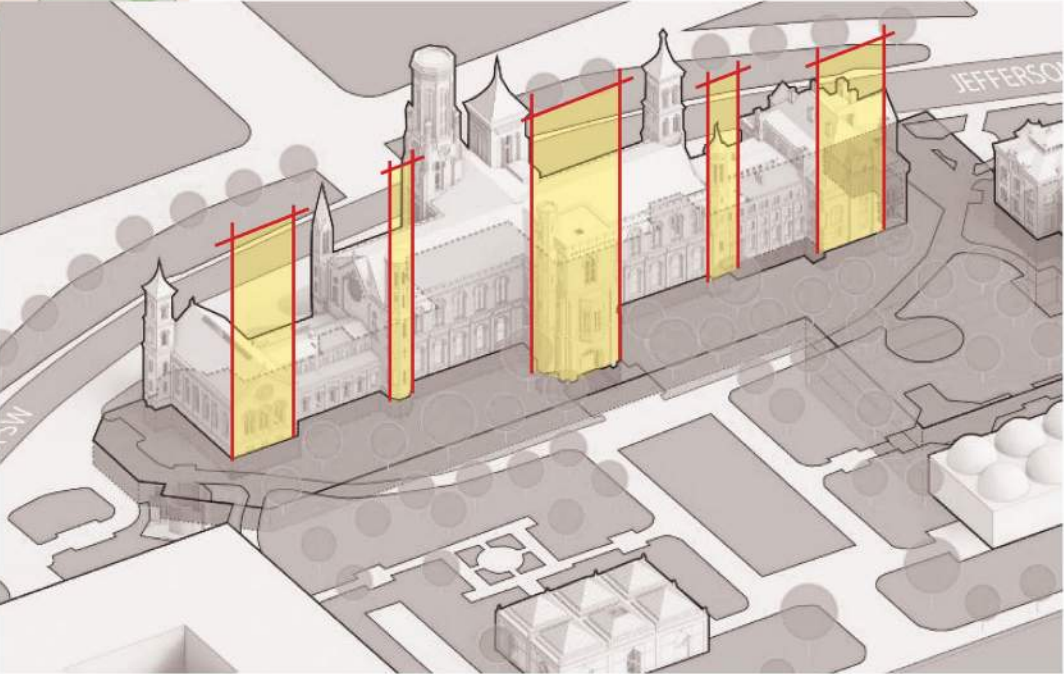
RESOLUTION OF PENDING ITEMS PLANTING PLAN

SMITHSONIAN INSTITUTION BUILDING (SIB)

PLANTING PLAN | PREVIOUS STUDIES – PRELIMINARY PLANTING (2021) AND PRIMARY ARCHITECTURAL FEATURES TO REVEAL (2022)



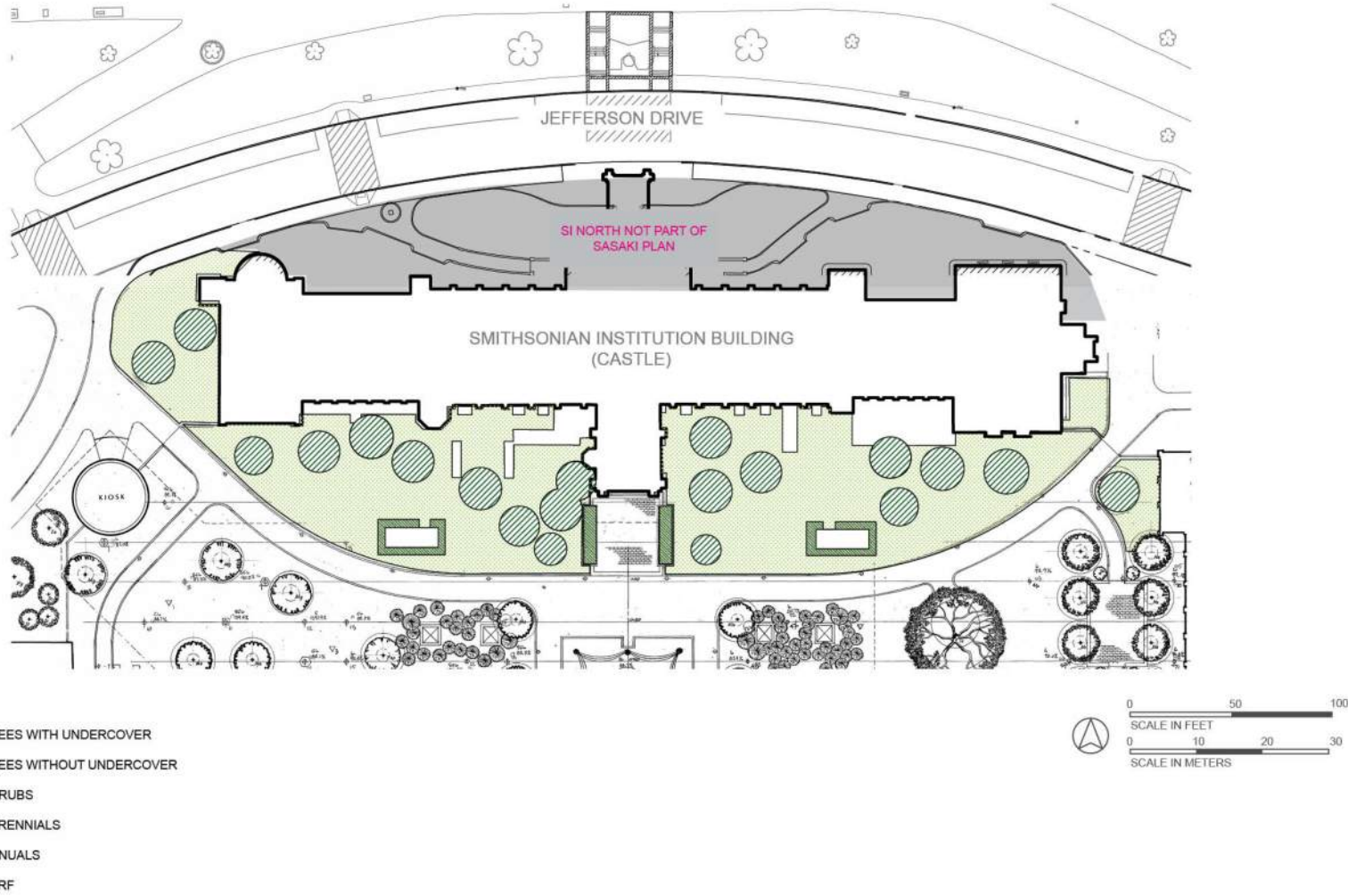
PRELIMINARY PLANTING SCHEMATICS - PRESENTED TO CONSULTING PARTIES NOVEMBER 2021



PRIMARY ARCHITECTURAL FEATURES TO REVEAL - PRESENTED TO CONSULTING PARTIES JULY 2022

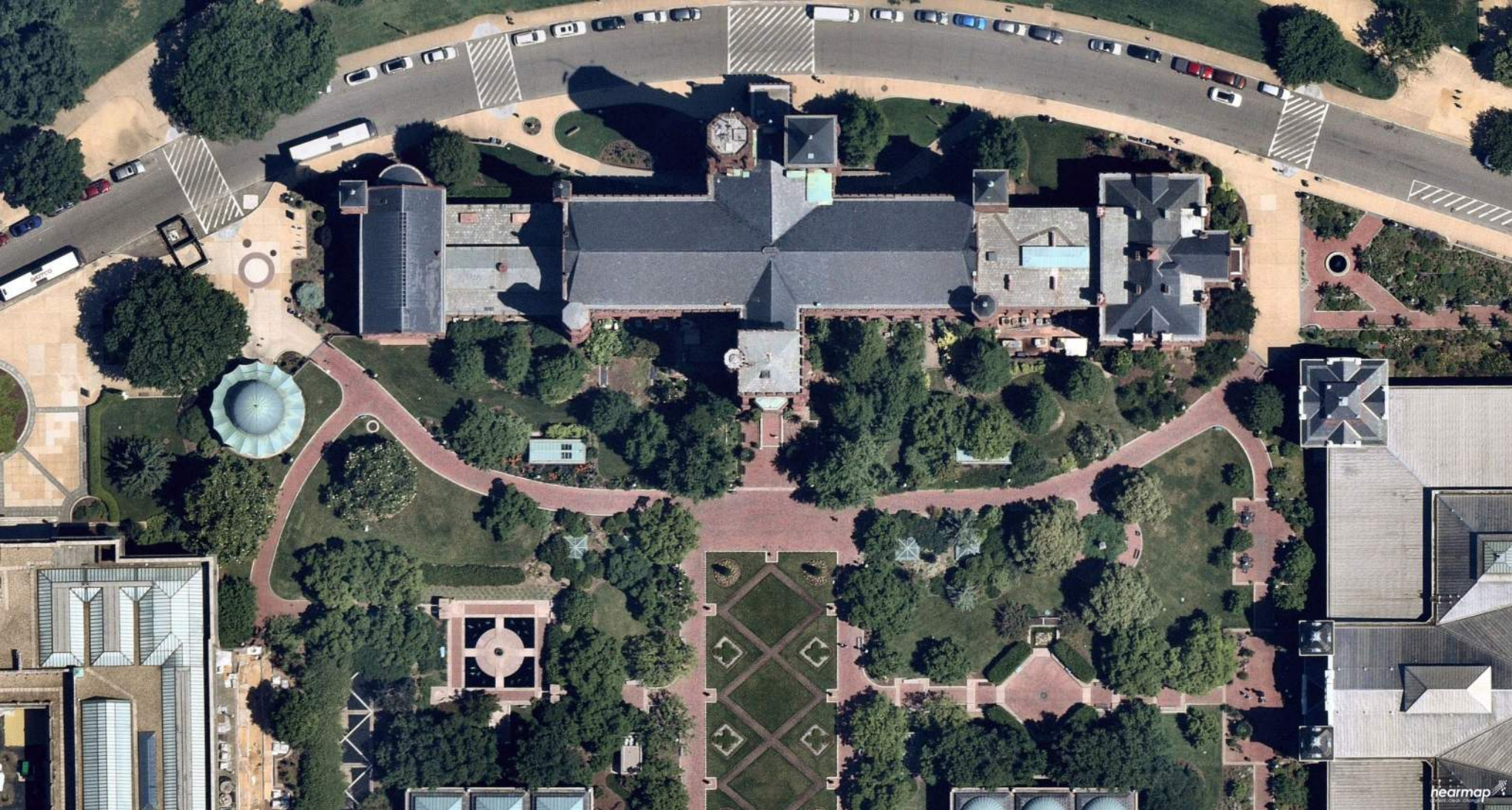
SMITHSONIAN INSTITUTION BUILDING (SIB)

PLANTING PLAN | SASAKI PLAN (1987)



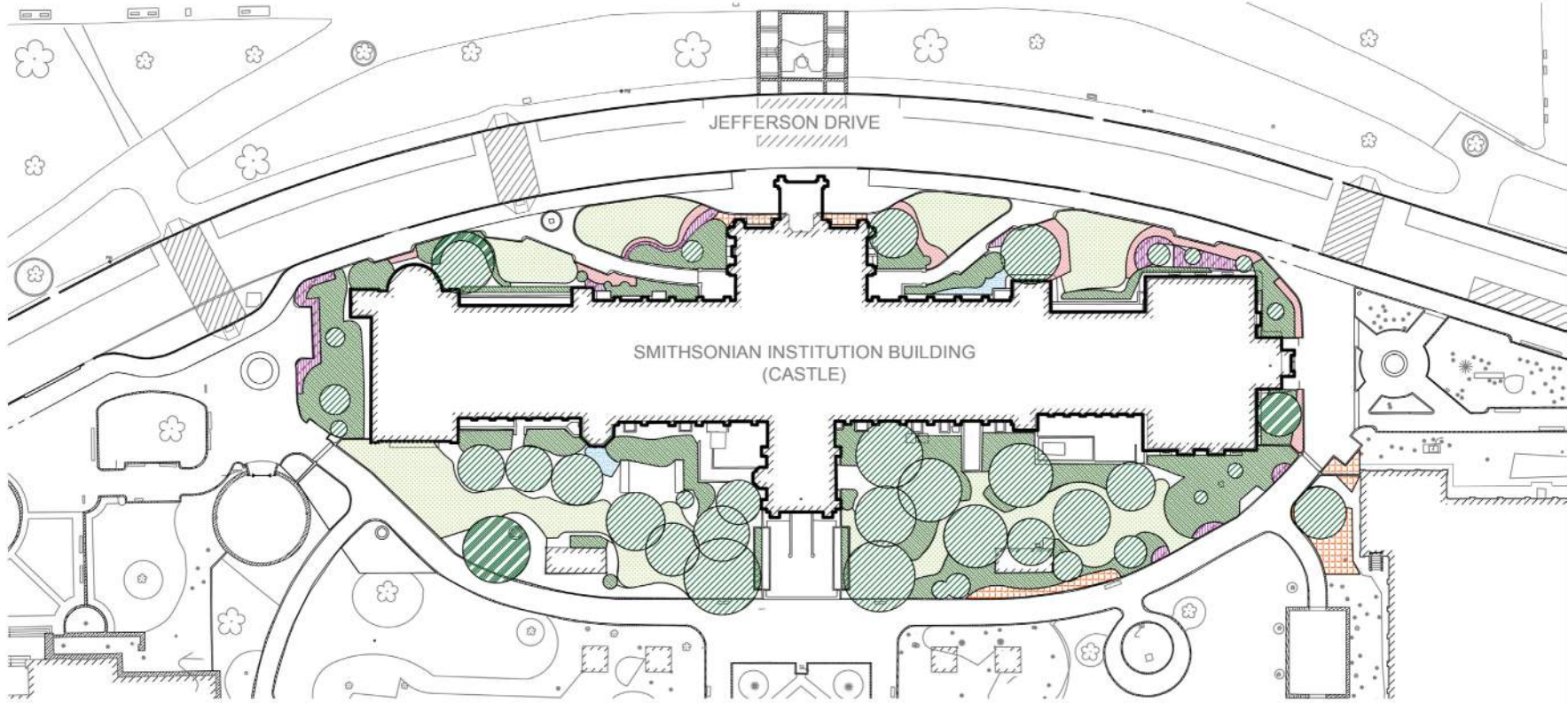
SMITHSONIAN INSTITUTION BUILDING (SIB)

PLANTING PLAN | EXISTING (2022)

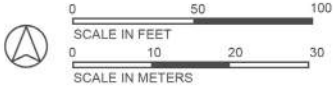


SMITHSONIAN INSTITUTION BUILDING (SIB)

PLANTING PLAN | EXISTING

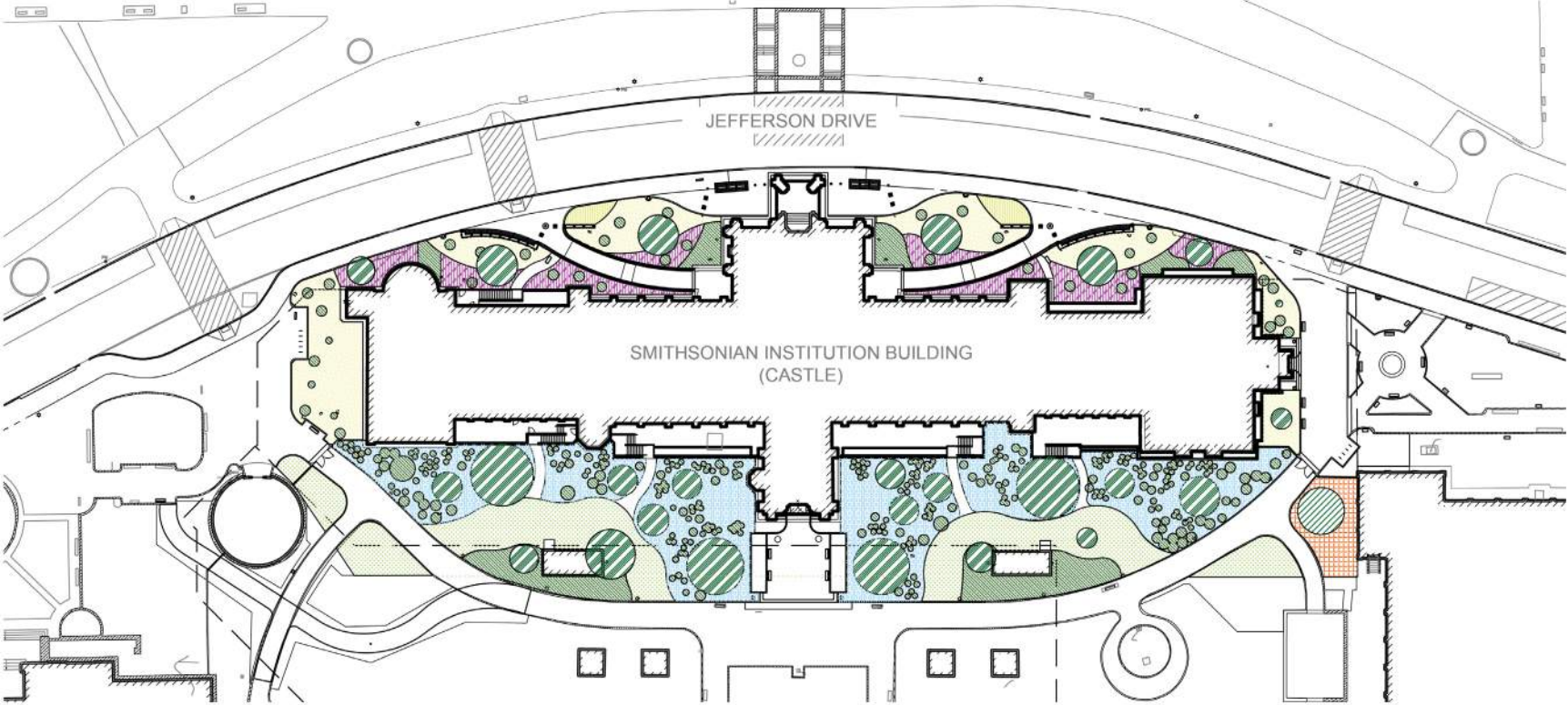


- LEGEND**
- TREES WITH UNDERCOVER
 - TREES WITHOUT UNDERCOVER
 - SHRUBS
 - PERENNIALS
 - ANNUALS
 - TURF

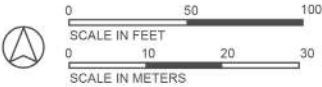


SMITHSONIAN INSTITUTION BUILDING (SIB)

PLANTING PLAN | PROPOSED



- LEGEND
- TREES WITH UNDERCOVER
 - TREES WITHOUT UNDERCOVER
 - SHRUBS
 - PERENNIALS
 - ORNAMENTAL GRASSES
 - MIXED (SHRUBS, PERENNIALS, GROUNDCOVER)
 - GROUNDCOVER
 - ANNUALS
 - MANAGED TURF (>3-IN HEIGHT)



SMITHSONIAN INSTITUTION BUILDING (SIB)

PLANTING PLAN | RENDERED VIEW: CASTLE SOUTH SIDE LOOKING NORTHEAST



Note: Existing vegetation omitted for clarity of proposed plantings.

SMITHSONIAN INSTITUTION BUILDING (SIB)

PLANTING PLAN | RENDERED VIEW: CASTLE SOUTH SIDE LOOKING NORTHWEST



RESOLUTION OF PENDING ITEMS AREAWAY MATERIALS

SMITHSONIAN INSTITUTION BUILDING (SIB)

AREAWAYS | PROPOSED FINISH MATERIALS
VISUALIZATION – UPDATE BASED ON IN-PERSON MATERIAL REVIEW – OPT 1



A) WALL – UHPC (CUSTOM MIX BASED ON PORCELAIN PAVER)



B) PORCELAIN PEDESTAL PAVER - NANTUCKET



C) UNDERPINNING – OLYMPIC BLACK (SANDBLAST)



SMITHSONIAN INSTITUTION BUILDING (SIB)

AREAWAYS | PROPOSED FINISH MATERIALS
VISUALIZATION – UPDATE BASED ON IN-PERSON MATERIAL REVIEW – OPT 2



A) WALL – UHPC (CUSTOM MIX BASED ON PORCELAIN PAVER)



B) PORCELAIN PEDESTAL PAVER - NANTUCKET



C) UNDERPINNING – CARNELIAN



SMITHSONIAN INSTITUTION BUILDING (SIB)

AREAWAYS | PROPOSED FINISH MATERIALS
VISUALIZATION – UPDATE BASED ON IN-PERSON MATERIAL REVIEW – OPT 3



A) WALL – UHPC (CUSTOM MIX BASED ON PORCELAIN PAVER)



B) PORCELAIN PEDESTAL PAVER - NANTUCKET



C) PARGE – TINTED (LIGHTER)

SMITHSONIAN INSTITUTION BUILDING (SIB)

AREAWAYS | PROPOSED FINISH MATERIALS
VISUALIZATION – UPDATE BASED ON IN-PERSON MATERIAL REVIEW – OPT 4



A) WALL – UHPC (CUSTOM MIX BASED ON PORCELAIN PAVER)



B) PORCELAIN PEDESTAL PAVER - NANTUCKET



C) PARGE – TINTED (DARKER)

Upcoming Section 106 Consultation Meetings

* Subject to Change

| Milestone | Date | Meeting Content * |
|--------------------------------|--------------------|---|
| Consulting Parties Meeting #16 | August 23, 2023 | <ul style="list-style-type: none">• TBD• Meeting format: Recorded? Handout for review? |
| Consulting Parties Meeting #17 | September 27, 2023 | <ul style="list-style-type: none">• TBD |

Phase 2 Section 106 Consultation Continues through 2023
Assessment of Effects on Historic Resources Report will be revised through consultation for Phase 2 actions

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://ahhp.si.edu/historic-core>

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
- Contact Carly with questions or any trouble with the recurring Zoom Webinar.



Please visit the project webpage:
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Questions or Comments

MODERATOR

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PRESENTERS / PANELISTS

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

Faye Harwell, FASLA, Landscape Architect, RHI (Rhodeside and Harwell)





Smithsonian Institution

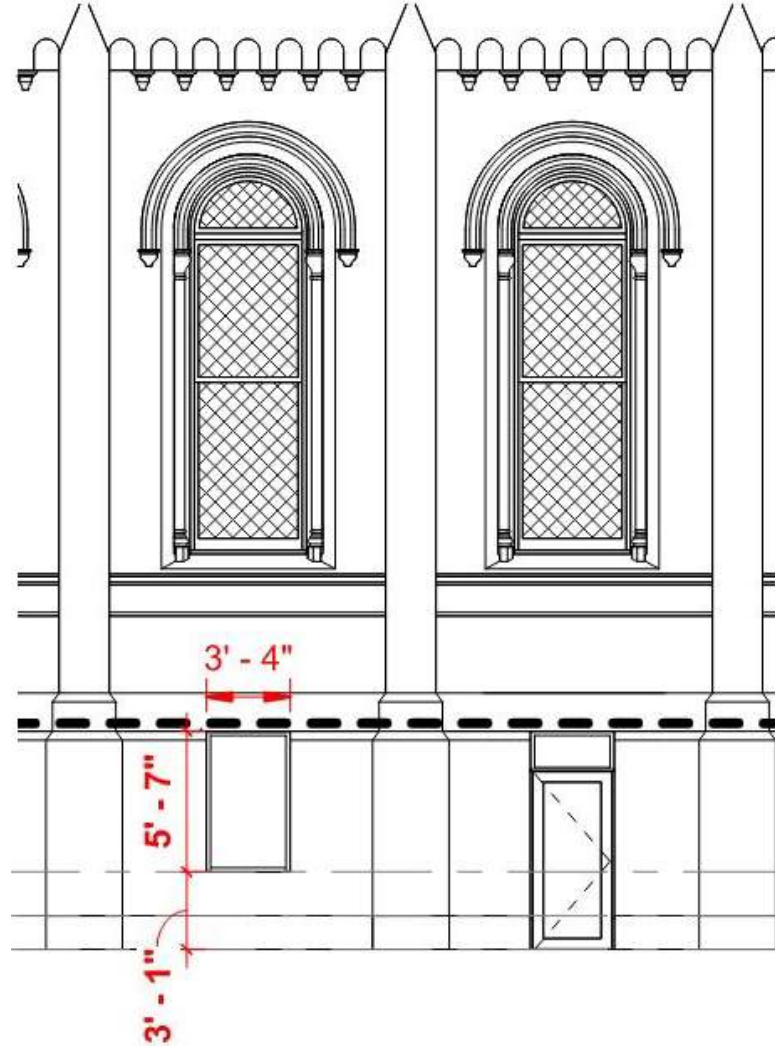
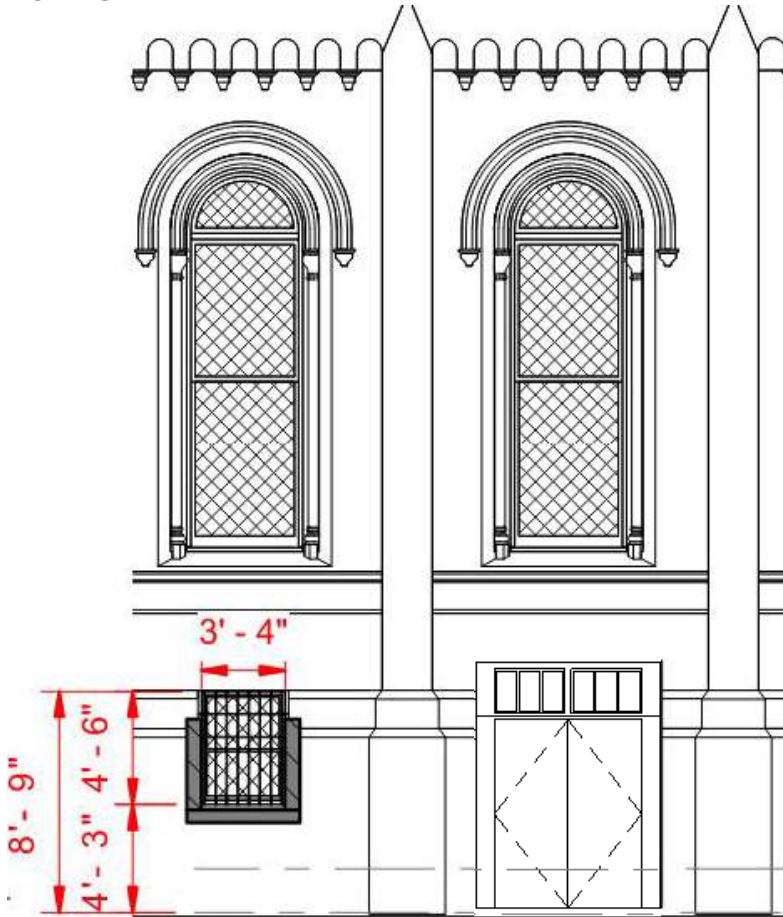


APPENDIX

SUPPLEMENTARY MATERIAL

SMITHSONIAN INSTITUTION BUILDING (SIB)

BASEMENT WINDOWS AND DOORS | PROPOSED MAIN BUILDING SOUTH - EXTERIOR DETAIL OPTION 1

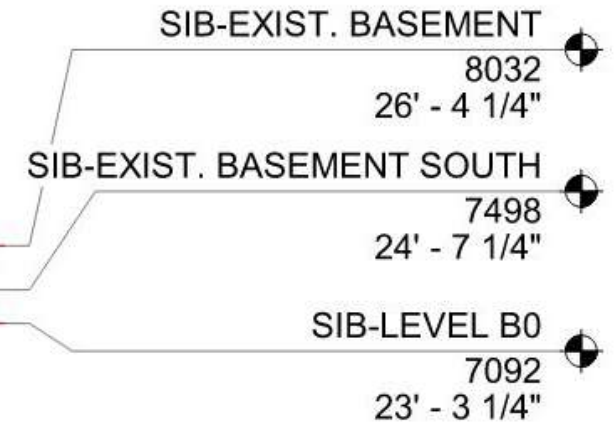


Existing

- 3'-4" wide x 4'-6" high
- Diamond Muntin Pattern
- Single-Hung

Proposed

- 3'-4" wide x 5'-7" high
- Sill dropped to existing basement level
- Window head aligned with grade

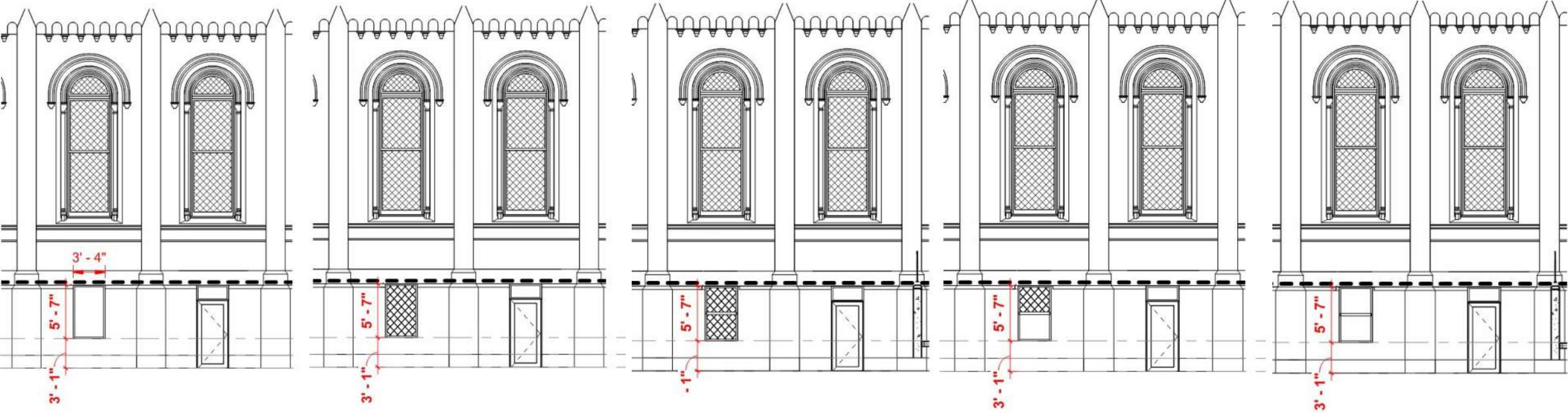


EXISTING MAIN BUILDING SOUTH

PROPOSED MAIN BUILDING SOUTH – OPTION 1

SMITHSONIAN INSTITUTION BUILDING (SIB)

BASEMENT WINDOWS AND DOORS | PROPOSED
MAIN BUILDING SOUTH - EXTERIOR DETAIL
OPTION 1 – SASH OPTIONS



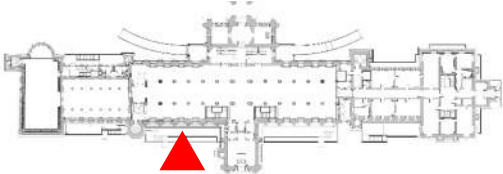
Opt 1A – Free Glass

Opt 1B – Diamond

Opt 1C – Full Diamond
"Double" Hung

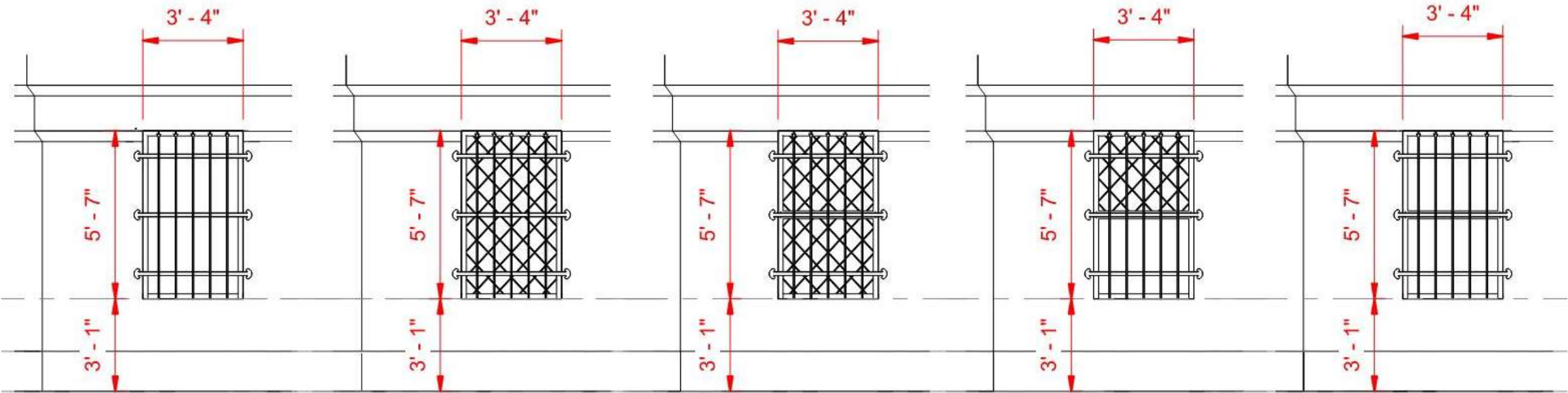
Opt 1D – Single Hung Diamond

Opt 1E – Single Hung



SMITHSONIAN INSTITUTION BUILDING (SIB)

BASEMENT WINDOWS AND DOORS | PROPOSED
MAIN BUILDING SOUTH - EXTERIOR DETAIL
OPTION 1 – SASH OPTIONS WITH EXTERIOR GRILLES



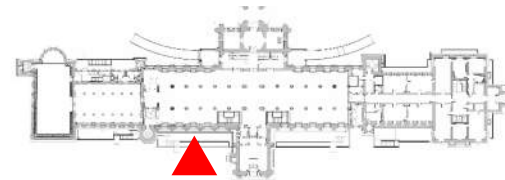
Opt 1A – Free Glass

Opt 1B – Diamond

Opt 1C – Full Diamond
"Double" Hung

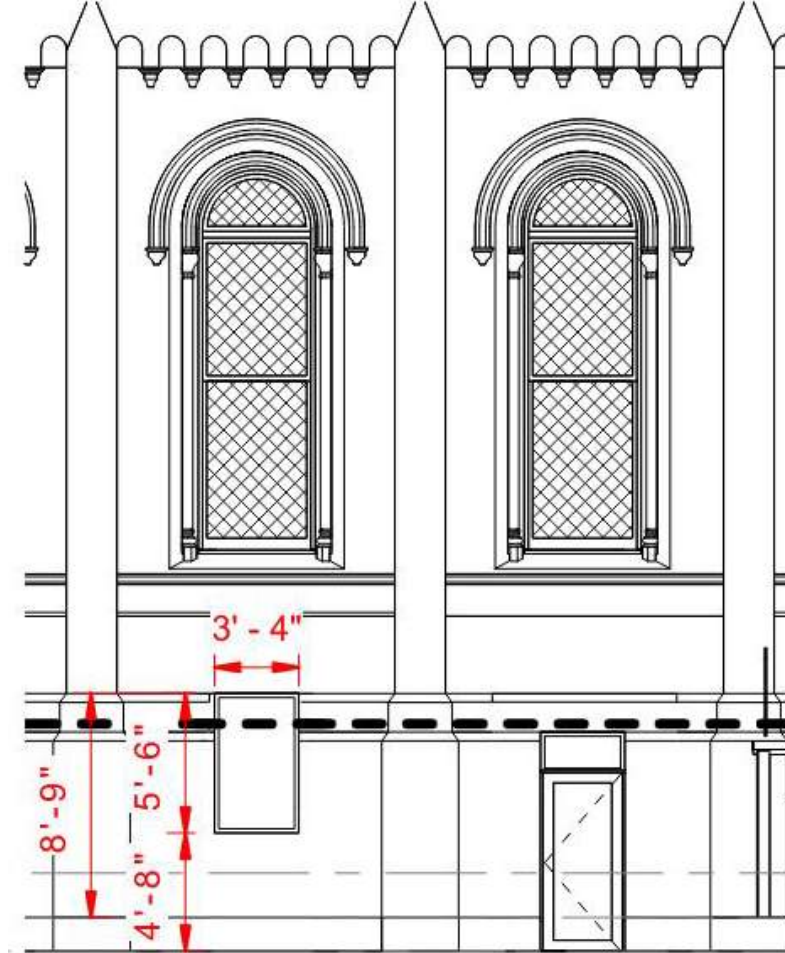
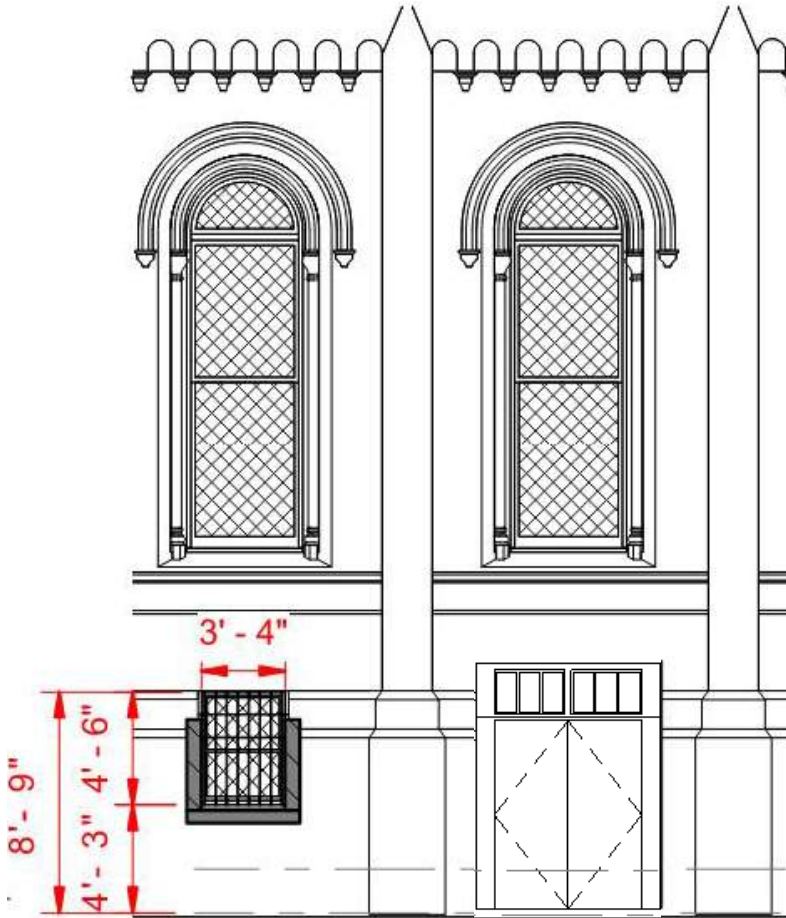
Opt 1D – Single Hung Diamond

Opt 1E – Single Hung



SMITHSONIAN INSTITUTION BUILDING (SIB)

BASEMENT WINDOWS AND DOORS | PROPOSED
 MAIN BUILDING SOUTH - EXTERIOR DETAIL
 OPTION 3 – SASH OPTIONS

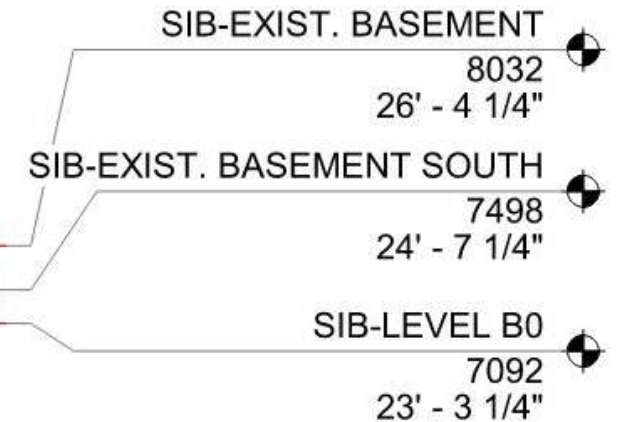


Existing

- 3'-4" wide x 4'-6" high
- Diamond Muntin Pattern
- Single-Hung

Proposed

- 3'-4" wide x 5'-6" high
- Head at existing location- top of watertable
- Window heads above grade



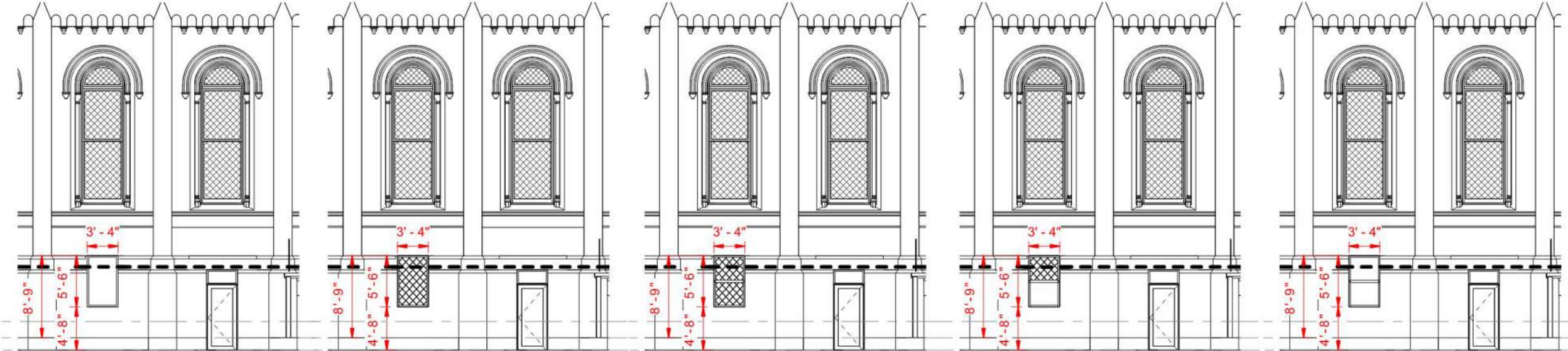
EXISTING MAIN BUILDING SOUTH



PROPOSED MAIN BUILDING SOUTH – OPTION 3

SMITHSONIAN INSTITUTION BUILDING (SIB)

BASEMENT WINDOWS AND DOORS | PROPOSED
MAIN BUILDING SOUTH - EXTERIOR DETAIL
OPTION 3 – SASH OPTIONS



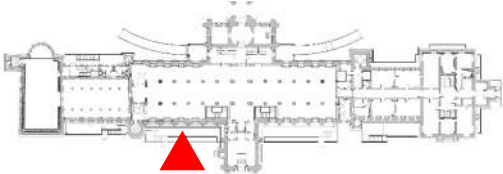
Opt 3A – Free Glass

Opt 3B – Diamond

Opt 3C – Full Diamond
"Double" Hung

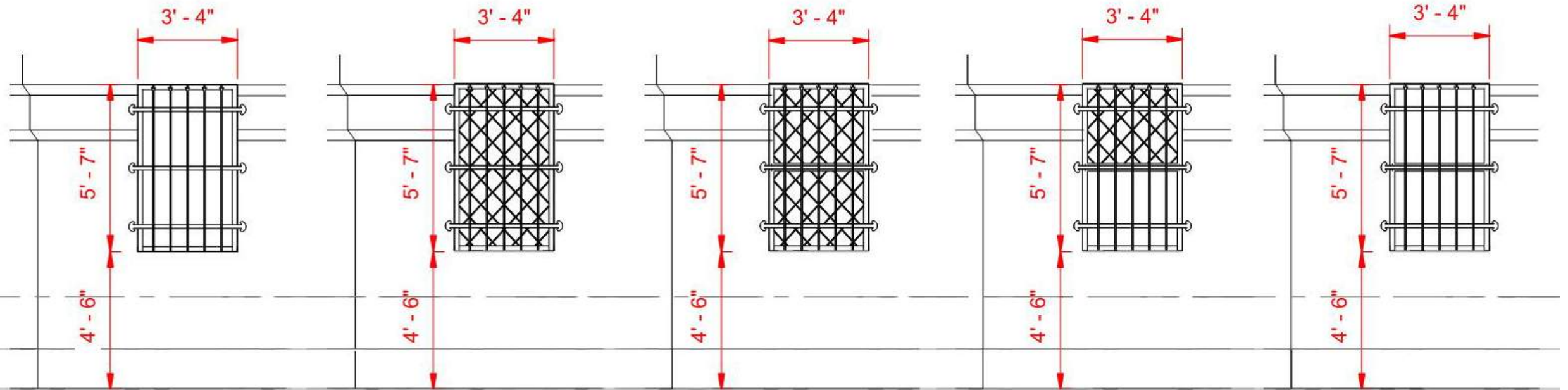
Opt 3D – Single Hung Diamond

Opt 3E – Single Hung



SMITHSONIAN INSTITUTION BUILDING (SIB)

BASEMENT WINDOWS AND DOORS | PROPOSED
MAIN BUILDING SOUTH - EXTERIOR DETAIL
OPTION 3 – SASH OPTIONS WITH EXTERIOR GRILLES



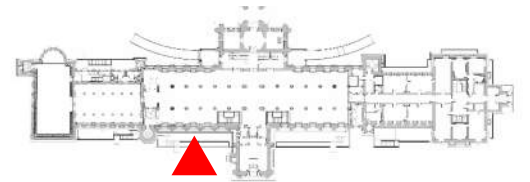
Opt 3A – Free Glass

Opt 3B – Diamond

Opt 3C – Full Diamond
"Double" Hung

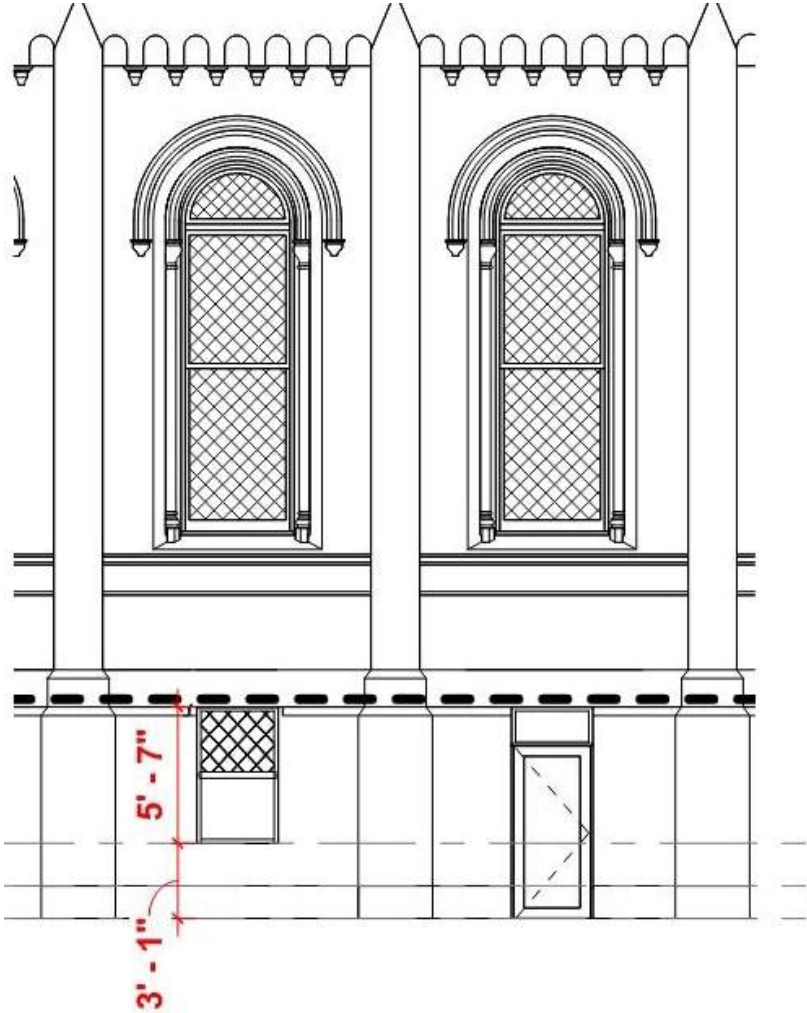
Opt 3D – Single Hung
Diamond

Opt 3E – Single Hung

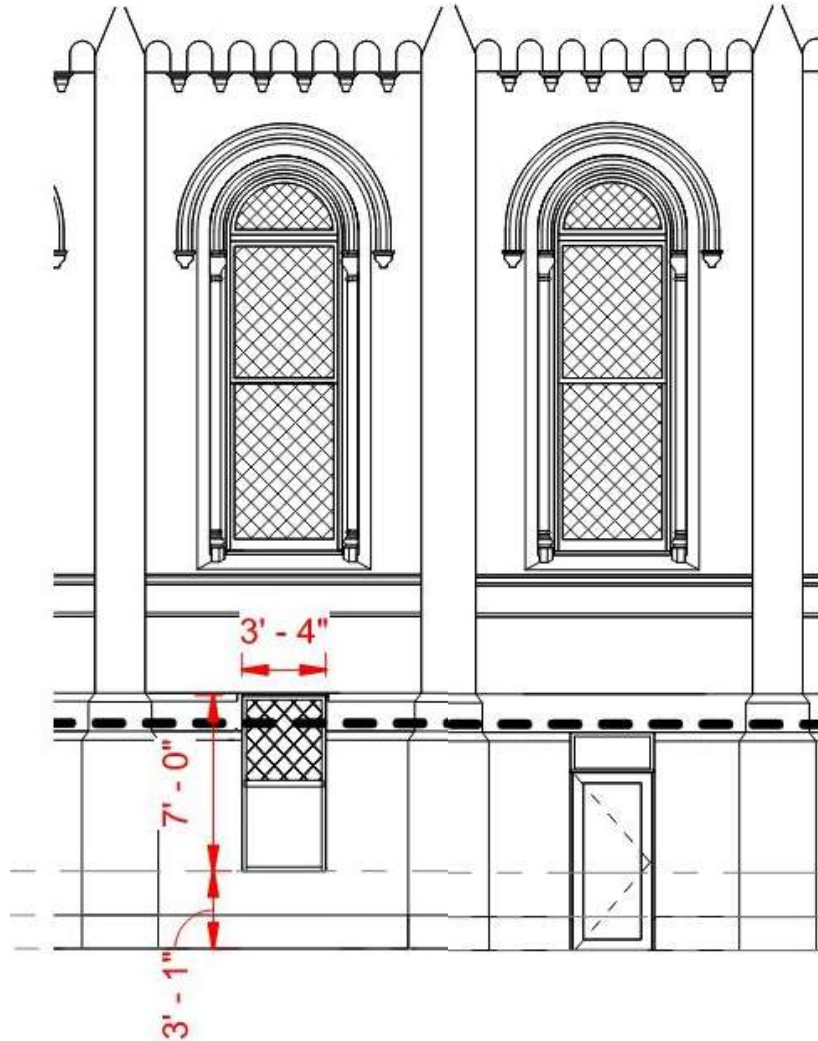


SMITHSONIAN INSTITUTION BUILDING (SIB)

BASEMENT WINDOWS AND DOORS | PROPOSED
MAIN BUILDING SOUTH - EXTERIOR DETAIL
COMPARISON OF OPTION 1D & 2D



PROPOSED MAIN BUILDING SOUTH – OPTION 1D



PROPOSED MAIN BUILDING SOUTH – OPTION 2D
PREFERRED OPTION

