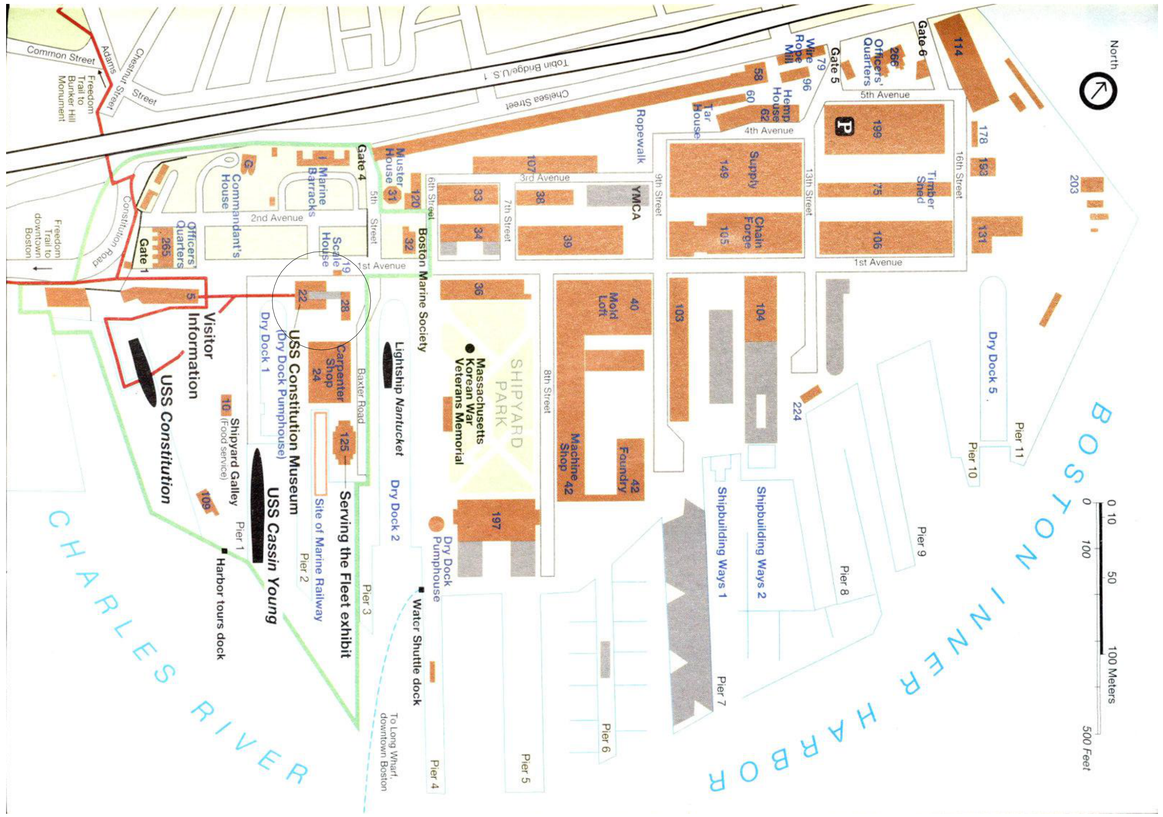

RESTORE EXTERIOR WINDOWS & DOORS, USS CONSTITUTION MUSEUM BUILDINGS 22 AND 28

DRAWING LIST

A.0	COVER
AD1.1	BUILDING 22 SASH REMOVAL PLAN
AD1.2	BUILDING 22 SASH REMOVAL PLAN
AD1.3	BUILDING 22 SASH REMOVAL PLAN
AD1.4	BUILDING 22 SASH REMOVAL PLAN
AD1.5	BUILDING 28 SASH DEMOLITION PLAN
AD1.6	BUILDING 28 SASH DEMOLITION PLAN
A2.1	BUILDING 22 WEST ELEVATION RESTORATION REPAIRS
A2.2	BUILDING 22 NORTH ELEVATION RESTORATION REPAIRS
A2.3	BUILDING 22 EAST ELEVATION RESTORATION REPAIRS
A2.4	BUILDING 22 SOUTH ELEVATION RESTORATION REPAIRS
A2.5	BUILDING 28 WEST ELEVATION RESTORATION REPAIRS
A2.6	BUILDING 28 NORTH ELEVATION RESTORATION REPAIRS
A2.7	BUILDING 28 EAST ELEVATION RESTORATION REPAIRS
A2.8	BUILDING 28 SOUTH ELEVATION RESTORATION REPAIRS
A5.1	BUILDING 22 TYPICAL WINDOW CONDITIONS
A5.2	BUILDING 22 TYPICAL DOOR CONDITIONS - WEST
A5.3	BUILDING 22 TYPICAL DOOR CONDTIONS - SOUTH & EAST
A5.4	BUILDING 28 TYPICAL WINDOW CONDITIONS
A5.5	BUILDING 28 TYPICAL DOOR CONDITIONS
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A5.7	MASONRY REPAIR DETAILS
A6.1	BUILDING 22 WINDOW REPAIR SCHEDULE
A6.2	BUILDING 22 DOOR REPAIR SCHEDULE
A6.3	BUILDING 22 MASONRY REPAIR SCHEDULE
A6.4	BUILDING 28 WINDOW REPAIR SCHEDULE
A6.5	BUILDING 28 DOOR REPAIR SCHEDULE
A6.6	BUILDING 28 MASONRY REPAIR SCHEDULE

PROJECT TEAM

OWNER
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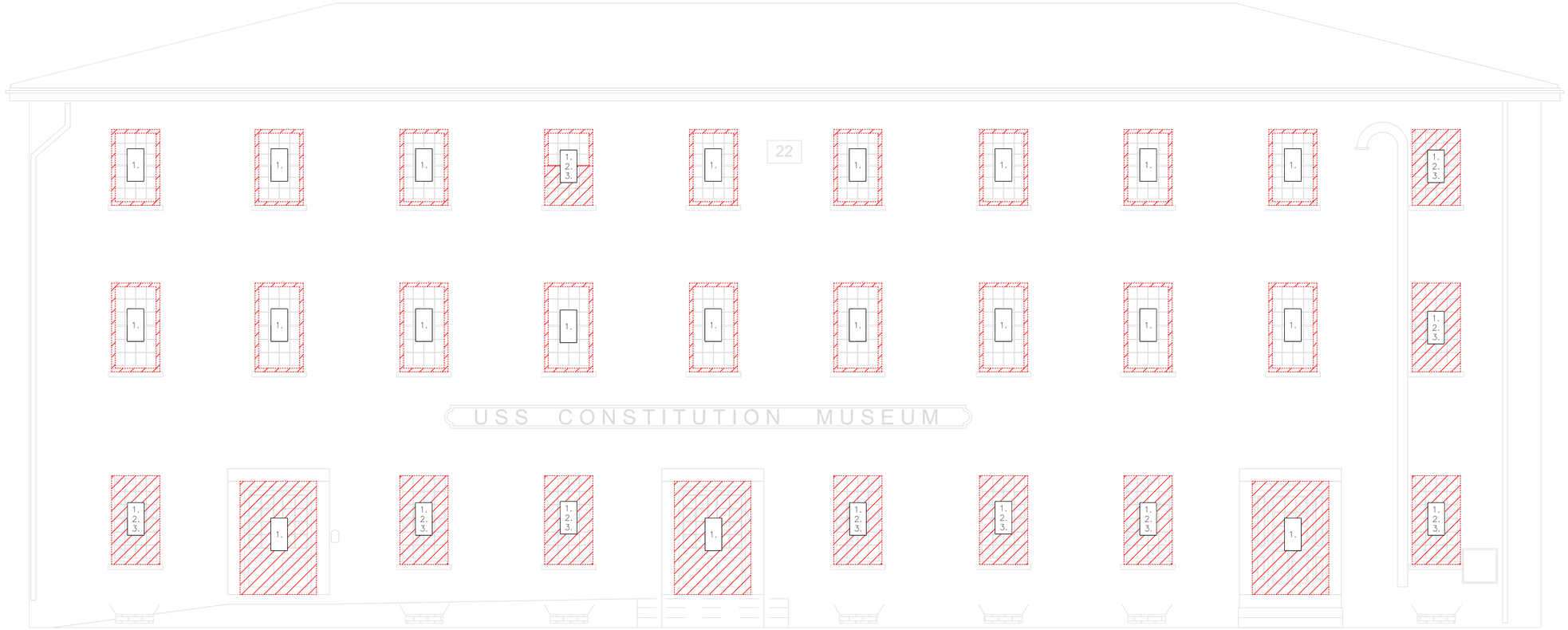
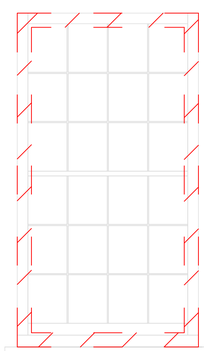
REGISTERED ARCHITECT ROBERT W. SILVER No. 9953 BOSTON MASS. STATE OF MASSACHUSETTS

A/E FIRM PRIME: SCHWARTZ/SILVER ARCHITECTS, INC. BOSTON, MA SUBCONTRACTOR: BUILDING CONSERVATION ASSOCIATES, INC. NEWTON CENTRE, MA	DESIGNED: CADD: TECH. REVIEW: DATE: 02/10/2025	SUB SHEET NO. A0.0	TITLE OF SHEET COVER RESTORE EXTERIOR WINDOWS & DOORS, USS CONSTITUTION MUSEUM (BUILDINGS 22 AND 28)	DRAWING NO. 457 194598 PKG. NO. 246267 SHEET ___ OF ___

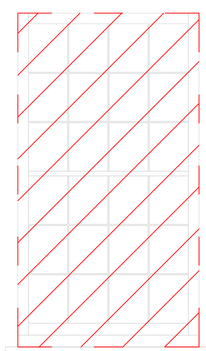


1 WEST ELEVATION
SASH REMOVALS
1/4" = 1'

2 TYPICAL WINDOW - BUILDING 22
DEMO SCOPE DETAIL
NOT TO SCALE



3 ACM ABATEMENT - BRICK MOLD ONLY
NOT TO SCALE



4 ACM ABATEMENT - SASH & BRICK MOLD
NOT TO SCALE

LEGEND:

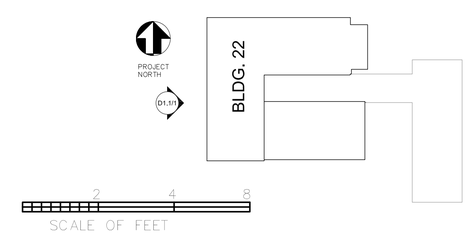
POSSIBLE ACM CONTAINING ELEMENTS TO BE REMOVED, ABATED, RESTORED/REPAIRED, AND REINSTALLED

SASH REMOVAL GENERAL NOTES

A. ALL SASH AT WINDOW OPENINGS NOTED ON D1.1, D1.2, D1.3, D1.4 ARE TO BE REMOVED IN COMPLIANCE WITH ALL LOCAL, STATE, AND FEDERAL LAWS.
B. SASH TO BE REMOVED FROM EXTERIOR.
C. ACM GLAZING PUTTY TO BE REMOVED FROM ALL SASH PRIOR TO RESTORATION. ACM TO BE REMOVED USING STEAM HEAT SYSTEM.
D. COORDINATE REMOVALS WITH OWNER TO ENSURE PROPER HANDLING OF EQUIPMENT ASSOCIATED WITH WINDOW OPENINGS CONTAINING LOUVERS.
E. SECURE WINDOW OPENINGS TO PROTECT BUILDING AGAINST WEATHER AND INTRUSION.
F. ALL BRICK MOLD DISPLACED BY REMOVAL TO BE LABELED BY WINDOW OPENING, ABATED WITH RESPECT TO ACM, AND RETAINED FOR REPAIR AS NOTED UNDER WINDOW MOLDING GENERAL NOTES, SHEET A6.4.

ASBESTOS ABATEMENT NOTES

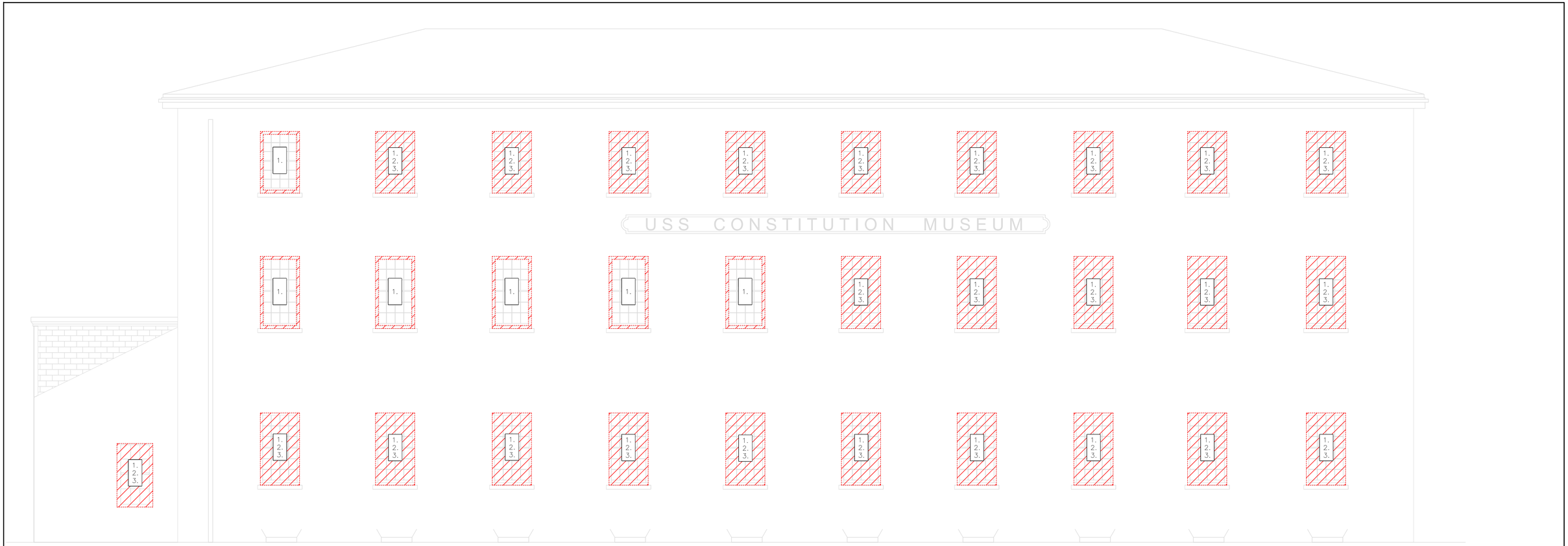
1. All ACM caulk between brick mold and masonry or stone to be removed. Brick mold components to be transferred to restoration/conservation contractor selected under Section 060140 of the bid package for restoration.
2. All sashes scheduled to be removed for restoration shall be removed intact for abatement of ACM glazing compound per Section 028200 1.2.A.4.b.
3. Interior of window is accessible to the occupants and visitors, sealing with polyethylene sheeting is required prior to removal operations.
4. Interior HVAC must be shut down and intake louvers sealed with polyethylene sheeting prior to removal operations.



REGISTERED ARCHITECT ROBERT H. SILVER No. 3053 BOSTON MASS.

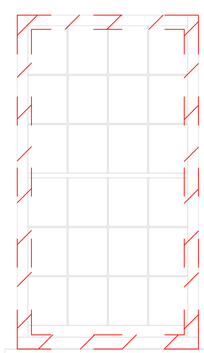
A/E FIRM PRIME: SCHWARTZ/SILVER ARCHITECTS, INC. BOSTON, MA SUBCONTRACTOR: BUILDING CONSERVATION ASSOCIATES, INC. NEWTON CENTRE, MA	DESIGNED: CADD: TECH. REVIEW: DATE: 02/10/2025	SUB SHEET NO. AD1.1	TITLE OF SHEET BUILDING 22 SASH REMOVAL PLAN RESTORE EXTERIOR WINDOWS & DOORS USS CONSTITUTION MUSEUM

DRAWING NO. 457 194598
PKG. NO. 246267
SHEET 1 OF 27

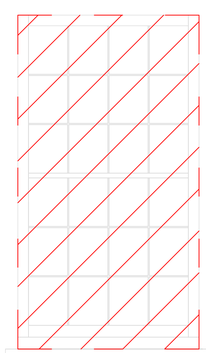


1 NORTH ELEVATION
SASH REMOVALS
1/4" = 1'

2 TYPICAL WINDOW - BUILDING 22
DEMO SCOPE DETAIL
NOT TO SCALE



3 ACM ABATEMENT - BRICK MOLD ONLY
NOT TO SCALE



4 ACM ABATEMENT - SASH & BRICK MOLD
NOT TO SCALE

LEGEND:

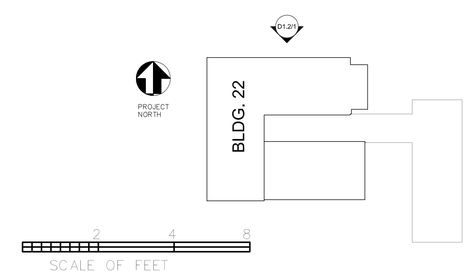
POSSIBLE ACM CONTAINING ELEMENTS TO BE REMOVED, ABATED, RESTORED/REPAIRED, AND REINSTALLED

SASH REMOVAL GENERAL NOTES

A. ALL SASH AT WINDOW OPENINGS NOTED ON D1.1, D1.2, D1.3, D1.4 ARE TO BE REMOVED IN COMPLIANCE WITH ALL LOCAL, STATE, AND FEDERAL LAWS.
B. SASH TO BE REMOVED FROM EXTERIOR.
C. ACM GLAZING PUTTY TO BE REMOVED FROM ALL SASH PRIOR TO RESTORATION. ACM TO BE REMOVED USING STEAM HEAT SYSTEM.
D. COORDINATE REMOVALS WITH OWNER TO ENSURE PROPER HANDLING OF EQUIPMENT ASSOCIATED WITH WINDOW OPENINGS CONTAINING LOUVERS.
E. SECURE WINDOW OPENINGS TO PROTECT BUILDING AGAINST WEATHER AND INTRUSION.
F. ALL BRICK MOLD DISPLACED BY REMOVAL TO BE LABELED BY WINDOW OPENING, ABATED WITH RESPECT TO ACM, AND RETAINED FOR REPAIR AS NOTED UNDER WINDOW MOLDING GENERAL NOTES, SHEET A6.4.

ASBESTOS ABATEMENT NOTES

1. All ACM caulk between brick mold and masonry or stone to be removed. Brick mold components to be transferred to restoration/conservation contractor selected under Section 060140 of the bid package for restoration.
2. All sashes scheduled to be removed for restoration shall be removed intact for abatement of ACM glazing compound per Section 028200 1.2.A.4.b.
3. Interior of window is accessible to the occupants and visitors, sealing with polyethylene sheeting is required prior to removal operations.
4. Interior HVAC must be shut down and intake louvers sealed with polyethylene sheeting prior to removal operations.



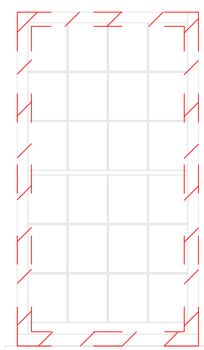
REGISTERED ARCHITECT ROBERT H. SILVER No. 9993 BOSTON MASS. COMMONWEALTH OF MASSACHUSETTS

A/E FIRM PRIME: SCHWARTZ/SILVER ARCHITECTS, INC. BOSTON, MA SUBCONTRACTOR: BUILDING CONSERVATION ASSOCIATES, INC. NEWTON CENTRE, MA	DESIGNED: CADD: TECH. REVIEW: DATE: 02/10/2025	SUB SHEET NO. AD1.2	TITLE OF SHEET BUILDING 22 SASH REMOVAL PLAN RESTORE EXTERIOR WINDOWS & DOORS USS CONSTITUTION MUSEUM

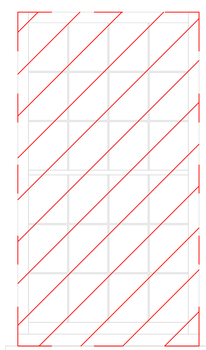
DRAWING NO. 457 194598
PKG. NO. 246267
SHEET 2 OF 27

1 EAST ELEVATION
SASH REMOVALS
1/4" = 1'

2 TYPICAL WINDOW - BUILDING 22
DEMO SCOPE DETAIL
NOT TO SCALE



3 ACM ABATEMENT - BRICK MOLD ONLY
NOT TO SCALE



4 ACM ABATEMENT - SASH & BRICK MOLD
NOT TO SCALE

LEGEND:

POSSIBLE ACM CONTAINING ELEMENTS TO BE REMOVED, ABATED, RESTORED/REPAIRED, AND REINSTALLED

SASH REMOVAL GENERAL NOTES

A. ALL SASH AT WINDOW OPENINGS NOTED ON D1.1, D1.2, D1.3, D1.4 ARE TO BE REMOVED IN COMPLIANCE WITH ALL LOCAL, STATE, AND FEDERAL LAWS.
B. SASH TO BE REMOVED FROM EXTERIOR.
C. ACM GLAZING PUTTY TO BE REMOVED FROM ALL SASH PRIOR TO RESTORATION. ACM TO BE REMOVED USING STEAM HEAT SYSTEM.
D. COORDINATE REMOVALS WITH OWNER TO ENSURE PROPER HANDLING OF EQUIPMENT ASSOCIATED WITH WINDOW OPENINGS CONTAINING LOUVERS.
E. SECURE WINDOW OPENINGS TO PROTECT BUILDING AGAINST WEATHER AND INTRUSION.
F. ALL BRICK MOLD DISPLACED BY REMOVAL TO BE LABELED BY WINDOW OPENING, ABATED WITH RESPECT TO ACM, AND RETAINED FOR REPAIR AS NOTED UNDER WINDOW MOLDING GENERAL NOTES, SHEET A6.4.

ASBESTOS ABATEMENT NOTES

1. All ACM caulk between brick mold and masonry or stone to be removed. Brick mold components to be transferred to restoration/conservation contractor selected under Section 060140 of the bid package for restoration.
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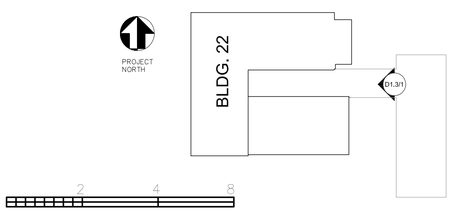
3. Interior of window is accessible to the occupants and visitors, sealing with polyethylene sheeting is required prior to removal operations.
4. Interior HVAC must be shut down and intake louvers sealed with polyethylene sheeting prior to removal operations.

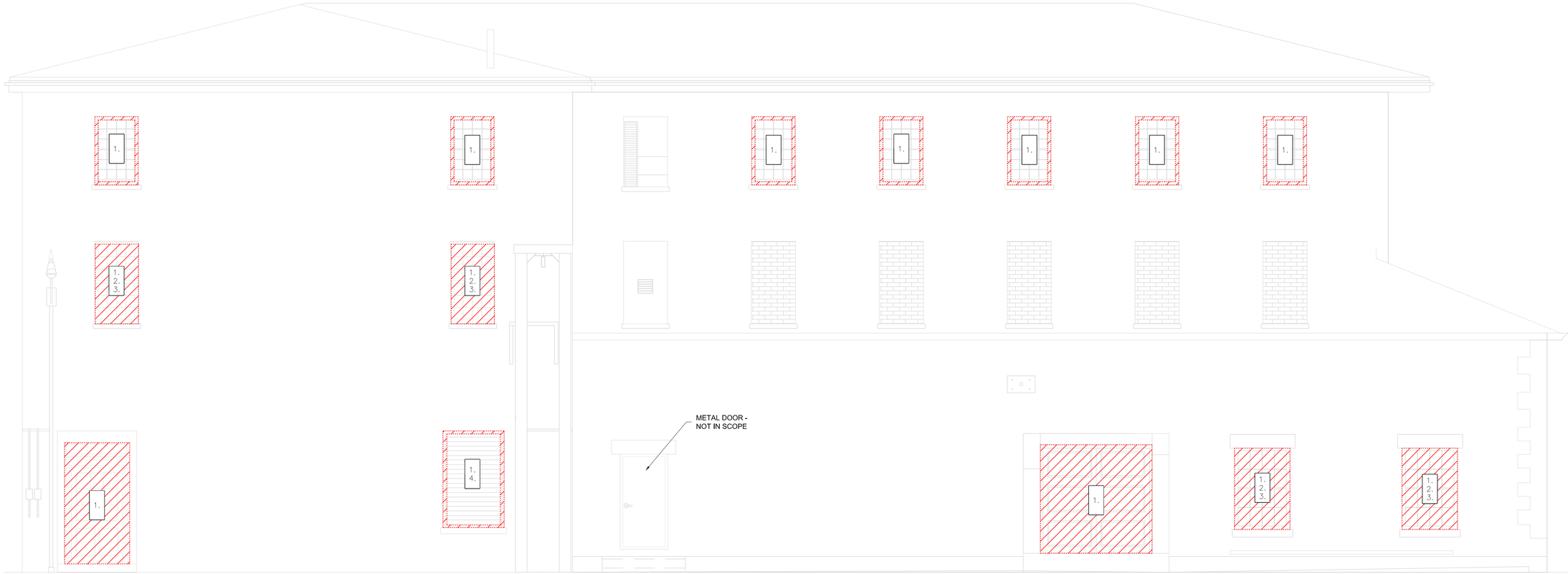


2 4 8
SCALE OF FEET

REGISTERED ARCHITECT ROBERT B. SILVER No. 9993 BOSTON MASS.

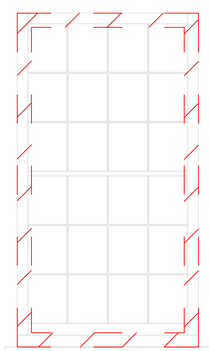
A/E FIRM PRIME: SCHWARTZ/SILVER ARCHITECTS, INC. BOSTON, MA SUBCONTRACTOR: BUILDING CONSERVATION ASSOCIATES, INC. NEWTON CENTRE, MA	DESIGNED: CADD: TECH. REVIEW: DATE: 02/10/2025	SUB SHEET NO. AD1.3	TITLE OF SHEET BUILDING 22 SASH REMOVAL PLAN RESTORE EXTERIOR WINDOWS & DOORS USS CONSTITUTION MUSEUM

DRAWING NO. 457 194598
PKG. NO. 246267
SHEET 3 OF 27

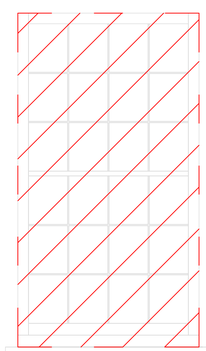


1 SOUTH ELEVATION
SASH REMOVALS
1/4" = 1'

2 TYPICAL WINDOW - BUILDING 22
DEMO SCOPE DETAIL
NOT TO SCALE



3 ACM ABATEMENT - BRICK MOLD ONLY
NOT TO SCALE



4 ACM ABATEMENT - SASH & BRICK MOLD
NOT TO SCALE

LEGEND:

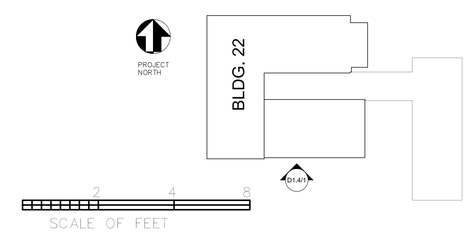
POSSIBLE ACM CONTAINING ELEMENTS TO BE REMOVED, ABATED, RESTORED/REPAIRED, AND REINSTALLED

SASH REMOVAL GENERAL NOTES

A. ALL SASH AT WINDOW OPENINGS NOTED ON D1.1, D1.2, D1.3, D1.4 ARE TO BE REMOVED IN COMPLIANCE WITH ALL LOCAL, STATE, AND FEDERAL LAWS.
B. SASH TO BE REMOVED FROM EXTERIOR.
C. ACM GLAZING PUTTY TO BE REMOVED FROM ALL SASH PRIOR TO RESTORATION. ACM TO BE REMOVED USING STEAM HEAT SYSTEM.
D. COORDINATE REMOVALS WITH OWNER TO ENSURE PROPER HANDLING OF EQUIPMENT ASSOCIATED WITH WINDOW OPENINGS CONTAINING LOUVERS.
E. SECURE WINDOW OPENINGS TO PROTECT BUILDING AGAINST WEATHER AND INTRUSION.
F. ALL BRICK MOLD DISPLACED BY REMOVAL TO BE LABELED BY WINDOW OPENING, ABATED WITH RESPECT TO ACM, AND RETAINED FOR REPAIR AS NOTED UNDER WINDOW MOLDING GENERAL NOTES, SHEET A6.4.

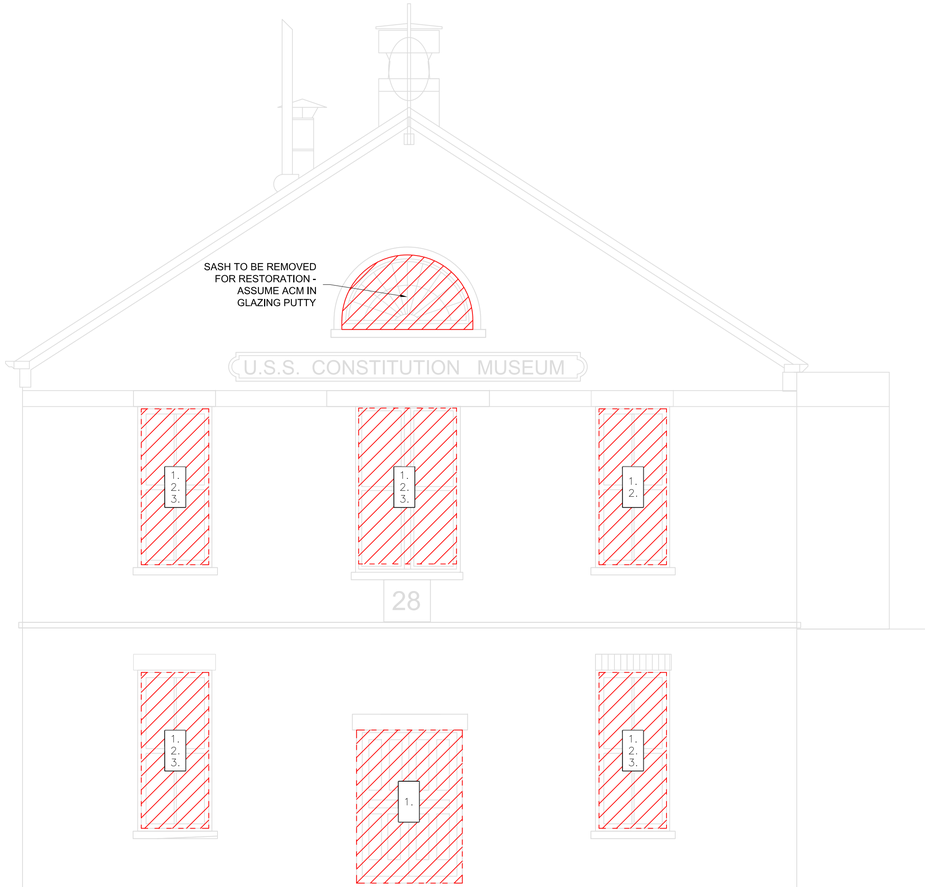
ASBESTOS ABATEMENT NOTES

1. All ACM caulk between brick mold and masonry or stone to be removed. Brick mold components to be transferred to restoration/conservation contractor selected under Section 060140 of the bid package for restoration.
2. All sashes scheduled to be removed for restoration shall be removed intact for abatement of ACM glazing compound per Section 028200 1.2.A.4.b.
3. Interior of window is accessible to the occupants and visitors, sealing with polyethylene sheeting is required prior to removal operations.
4. Interior HVAC must be shut down and intake louvers sealed with polyethylene sheeting prior to removal operations.



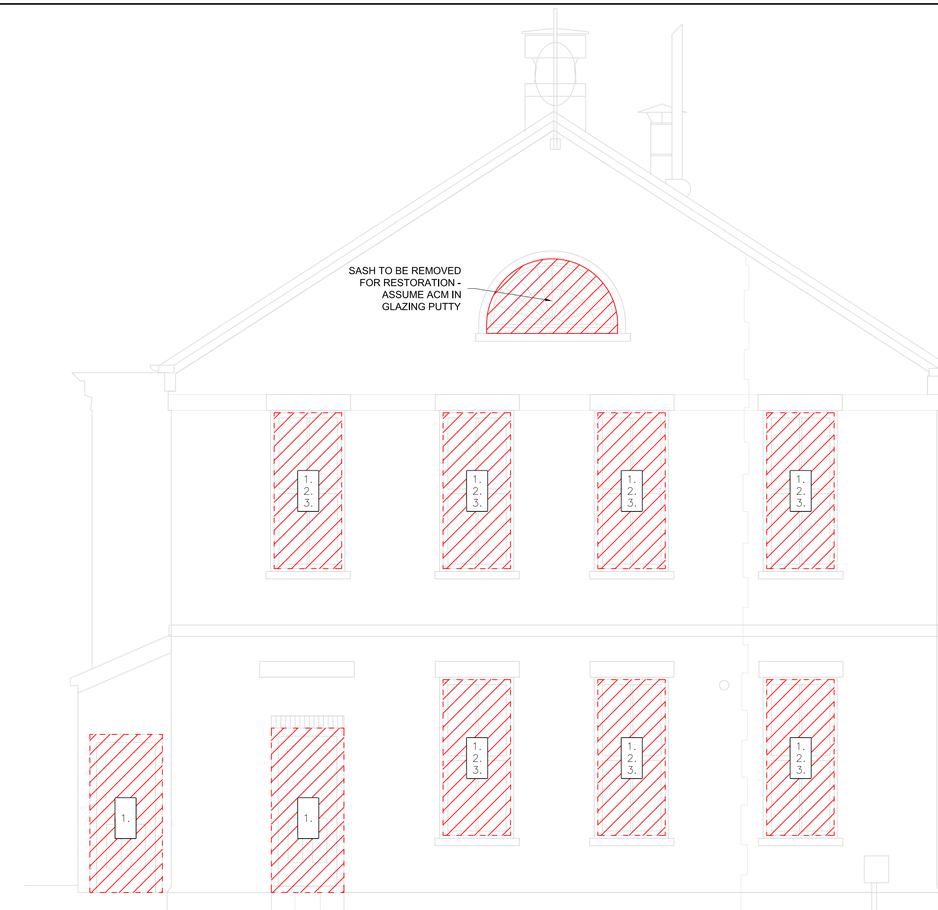
A/E FIRM PRIME: SCHWARTZ/SILVER ARCHITECTS, INC. BOSTON, MA SUBCONTRACTOR: BUILDING CONSERVATION ASSOCIATES, INC. NEWTON CENTRE, MA	DESIGNED: CADD: TECH. REVIEW: DATE: 02/10/2025	SUB SHEET NO. AD1.4	TITLE OF SHEET BUILDING 22 SASH REMOVAL PLAN RESTORE EXTERIOR WINDOWS & DOORS USS CONSTITUTION MUSEUM

DRAWING NO. 457 194598
PKG. NO. 246267
SHEET 4 OF 27



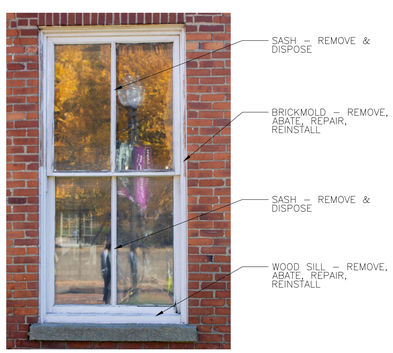
1 NORTH ELEVATION SASH DEMOLITION

1/4" = 1'



2 SOUTH ELEVATION SASH DEMOLITION

1/4" = 1'



3 TYPICAL WINDOW - BUILDING 28 DEMO SCOPE DETAIL

NOT TO SCALE

4 FANLIGHT WINDOW - BUILDING 28 DEMO SCOPE DETAIL

NOT TO SCALE

LEGEND:

POSSIBLE ACM CONTAINING ELEMENTS TO BE REMOVED, ABATED, RESTORED/REPAIRED, AND REINSTALLED SASH TO BE REPLACED FOR BUILDING 28 ONLY WHERE NOTED; FANLIGHT SASH TO BE RESTORED

SASH REMOVAL GENERAL NOTES

A. ALL SASH AT WINDOW OPENINGS NOTED ON D1.1, D1.2, D1.3, D1.4 ARE TO BE REMOVED IN COMPLIANCE WITH ALL LOCAL, STATE, AND FEDERAL LAWS.

B. SASH TO BE REMOVED FROM EXTERIOR.

C. ACM GLAZING PUTTY TO BE REMOVED FROM ALL SASH PRIOR TO RESTORATION. ACM TO BE REMOVED USING STEAM HEAT SYSTEM.

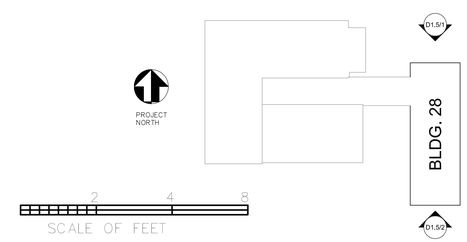
D. COORDINATE REMOVALS WITH OWNER TO ENSURE PROPER HANDLING OF EQUIPMENT ASSOCIATED WITH WINDOW OPENINGS CONTAINING LOUVERS.

E. SECURE WINDOW OPENINGS TO PROTECT BUILDING AGAINST WEATHER AND INTRUSION.

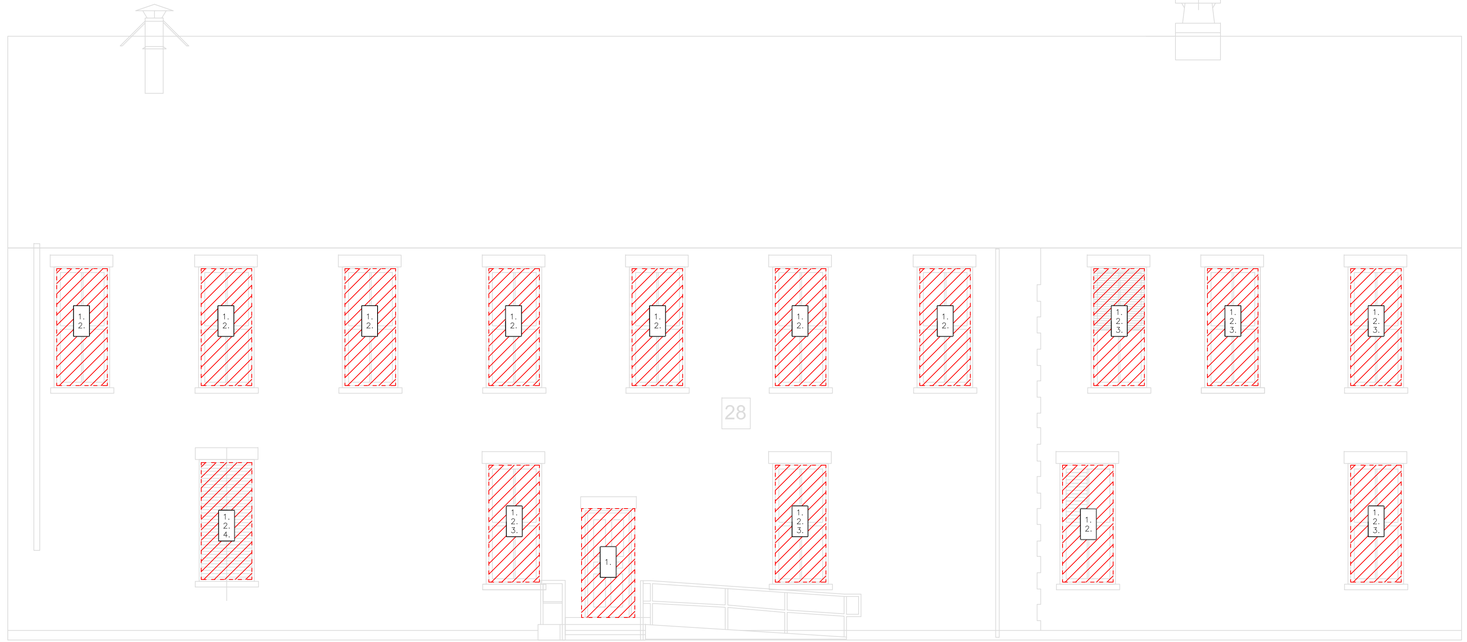
F. ALL BRICK MOLD DISPLACED BY REMOVAL TO BE LABELED BY WINDOW OPENING, ABATED WITH RESPECT TO ACM, AND RETAINED FOR REPAIR AS NOTED UNDER WINDOW MOLDING GENERAL NOTES, SHEET A6.4.

ASBESTOS ABATEMENT NOTES

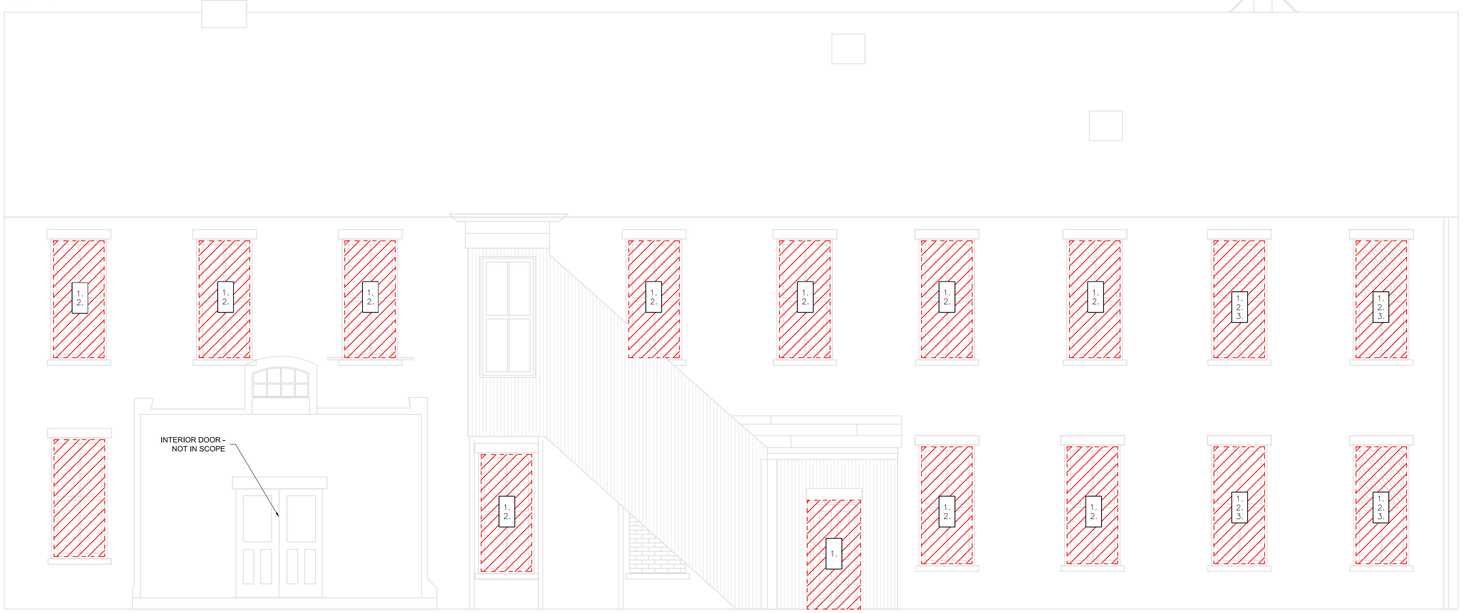
1. All ACM caulk between brick mold and masonry or stone to be removed. Brick mold components to be transferred to restoration/conservation contractor selected under Section 060140 of the bid package for restoration.
2. All sashes scheduled to be removed for restoration shall be removed intact for abatement of ACM glazing compound per Section 028200 1.2.A.4.b.
3. Interior of window is accessible to the occupants and visitors, sealing with polyethylene sheeting is required prior to removal operations.
4. Interior HVAC must be shut down and intake louvers sealed with polyethylene sheeting prior to removal operations.



A/E FIRM: PRIME: SCHWARTZ/SILVER ARCHITECTS, INC. BOSTON, MA SUBCONTRACTOR: BUILDING CONSERVATION ASSOCIATES, INC. NEWTON CENTRE, MA	DESIGNED: ____ SUB SHEET NO.: ____ CADD: ____ TECH. REVIEW: ____ AD1.5 DATE: 02/10/2025	TITLE OF SHEET BUILDING 28 SASH DEMOLITION PLAN RESTORE EXTERIOR WINDOWS & DOORS USS CONSTITUTION MUSEUM	DRAWING NO. 457 194598 PKG. NO. 246267 SHEET 5 OF 27



1 EAST ELEVATION
SASH DEMOLITION
3/16" = 1'



2 WEST ELEVATION
SASH DEMOLITION
3/16" = 1'

LEGEND:

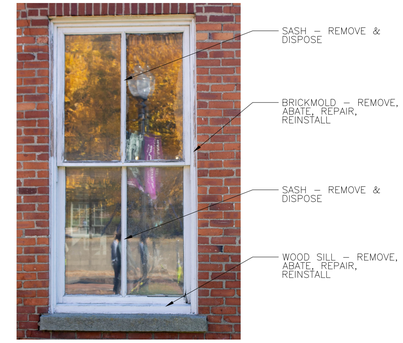
POSSIBLE ACM CONTAINING ELEMENTS TO BE REMOVED, ABATED, RESTORED/REPAIRED, AND REINSTALLED
SASH TO BE REPLACED FOR BUILDING 28 ONLY WHERE NOTED; FANLIGHT SASH TO BE RESTORED

SASH REMOVAL GENERAL NOTES

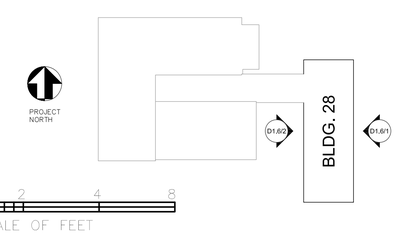
A. ALL SASH AT WINDOW OPENINGS NOTED ON D1.1, D1.2, D1.3, D1.4 ARE TO BE REMOVED IN COMPLIANCE WITH ALL LOCAL, STATE, AND FEDERAL LAWS.
B. SASH TO BE REMOVED FROM EXTERIOR.
C. ACM GLAZING PUTTY TO BE REMOVED FROM ALL SASH PRIOR TO RESTORATION. ACM TO BE REMOVED USING STEAM HEAT SYSTEM.
D. COORDINATE REMOVALS WITH OWNER TO ENSURE PROPER HANDLING OF EQUIPMENT ASSOCIATED WITH WINDOW OPENINGS CONTAINING LOUVERS.
E. SECURE WINDOW OPENINGS TO PROTECT BUILDING AGAINST WEATHER AND INTRUSION.
F. ALL BRICK MOLD DISPLACED BY REMOVAL TO BE LABELED BY WINDOW OPENING, ABATED WITH RESPECT TO ACM, AND RETAINED FOR REPAIR AS NOTED UNDER WINDOW MOLDING GENERAL NOTES, SHEET A6.4.

ASBESTOS ABATEMENT NOTES

1. All ACM caulk between brick mold and masonry or stone to be removed. Brick mold components to be transferred to restoration/conservation contractor selected under Section 060140 of the bid package for restoration.
2. All sashes scheduled to be removed for restoration shall be removed intact for abatement of ACM glazing compound per Section 028200 1.2.A.4.b.
3. Interior of window is accessible to the occupants and visitors, sealing with polyethylene sheeting is required prior to removal operations.
4. Interior HVAC must be shut down and intake louvers sealed with polyethylene sheeting prior to removal operations.



3 TYPICAL WINDOW - BUILDING 28
DEMO SCOPE DETAIL
NOT TO SCALE



A/E FIRM PRIME: SCHWARTZ/SILVER ARCHITECTS, INC. BOSTON, MA SUBCONTRACTOR: BUILDING CONSERVATION ASSOCIATES, INC. NEWTON CENTRE, MA	DESIGNED: SUB SHEET NO. CADD: TECH. REVIEW: DATE: 02/10/2025	AD1.6	TITLE OF SHEET BUILDING 28 SASH DEMOLITION PLAN RESTORE EXTERIOR WINDOWS & DOORS USS CONSTITUTION MUSEUM	DRAWING NO. 457 194598 PKG. NO. 246267 SHEET 6 OF 27

			CONDITION GRADE			RESTORATION TREATMENT			
WINDOW	TYPE	NOM. OPENING SIZE	SASH	INTERIOR	EXTERIOR	SASH	INTERIOR	EXTERIOR	NOTES
W101	A	3'2-1/4" x 5' 10-1/2" +/-	C	B	B	C	B	B	broken lite
W102	A	3'2-1/4" x 5' 10-1/2" +/-	C	B	B	C	B	B	broken lite
W103	A	3'2-1/4" x 5' 10-1/2" +/-	C	B	B	C	B	B	two broken lites
W104	A	3'2-1/4" x 5' 10-1/2" +/-	C	B	B	C	B	B	glazing putty repaired with caulk
W105	A	3'2-1/4" x 5' 10-1/2" +/-	C	B	B	C	B	B	no interior storm broken lite
W106	A	3'2-1/4" x 5' 10-1/2" +/-	B	B	B	B	B	B	no interior storm
W107	A	3'2-1/4" x 5' 10-1/2" +/-	C	B	B	C	B	B	broken lite interior storm missing entire bottom lite

			CONDITION GRADE			RESTORATION TREATMENT			
WINDOW	TYPE	NOM. OPENING SIZE	SASH	INTERIOR	EXTERIOR	SASH	INTERIOR	EXTERIOR	NOTES
W201	A	3'2-1/4" x 5' 10-1/2" +/-	A	B	C	A	B	C	sill consolidation & fill
W202	A	3'2-1/4" x 5' 10-1/2" +/-	A	B	C	A	B	C	sill consolidation & fill
W203	A	3'2-1/4" x 5' 10-1/2" +/-	A	B	D	A	B	D	sill, brick mold dutchman, possible replacement
W204	A	3'2-1/4" x 5' 10-1/2" +/-	A	B	B	B	B	B	new sash cords
W205	A	3'2-1/4" x 5' 10-1/2" +/-	A	B	B	A	B	B	
W206	A	3'2-1/4" x 5' 10-1/2" +/-	A	B	D	A	B	D	replace sill
W207	A	3'2-1/4" x 5' 10-1/2" +/-	A	B	D	A	B	D	replace sill
W208	A	3'2-1/4" x 5' 10-1/2" +/-	A	B	D	A	B	D	replace sill
W209	A	3'2-1/4" x 5' 10-1/2" +/-	A	B	D	A	B	D	replace sill
W210	A	3'2-1/4" x 5' 10-1/2" +/-	C	N/A	B	A	N/A	C	archive space; rigid foam at interior

			CONDITION GRADE			RESTORATION TREATMENT			
WINDOW	TYPE	NOM. OPENING SIZE	SASH	INTERIOR	EXTERIOR	SASH	INTERIOR	EXTERIOR	NOTES
W301	B	3'2-1/4" x 5' 0-1/2" +/-	A	B	D	B	B	D	replace blind stop (exterior) provide new stops (interior) and cords
W302	B	3'2-1/4" x 5' 0-1/2" +/-	B	B	C	B	B	C	consolidate/fill sill provide new stops repair muntin (damaged by lock)
W303	B	3'2-1/4" x 5' 0-1/2" +/-	A	B	B	B	B	B	consolidate/fill sill provide new stops
W304	B	3'2-1/4" x 5' 0-1/2" +/-	A/C (upper)	B	C	A/C	B	C	restore upper sash consolidate/fill sill
W305	B	3'2-1/4" x 5' 0-1/2" +/-	A	B	B	B	B	B	repair muntin (damaged by lock)
W306	B	3'2-1/4" x 5' 0-1/2" +/-	A	B	C	B	B	C	remove plexiglass at exterior consolidate/fill sill replace sash cords
W307	B	3'2-1/4" x 5' 0-1/2" +/-	A	B	C	B	B	C	consolidate/fill sill replace sash cords
W308	B	3'2-1/4" x 5' 0-1/2" +/-	A	B	C	B	B	C	consolidate/fill sill replace sash cords
W309	B	3'2-1/4" x 5' 0-1/2" +/-	A	B	C	B	B	D	replace sill replace sash cords
W310	B	3'2-1/4" x 5' 0-1/2" +/-	C	B	C	C	B	C	new infill to support camera & align sash replace sash cords

WINDOW RESTORATION TREATMENT GUIDE

BASELINE WINDOW RESTORATION TREATMENT CODES. WORK INCLUDES ALL SASH AND WINDOW SURROUND, INTERIOR AND EXTERIOR. SEE SPECIFIC REPAIR REQUIREMENTS ON SHEET A6.1 FOR FULL SCOPE OF WORK.

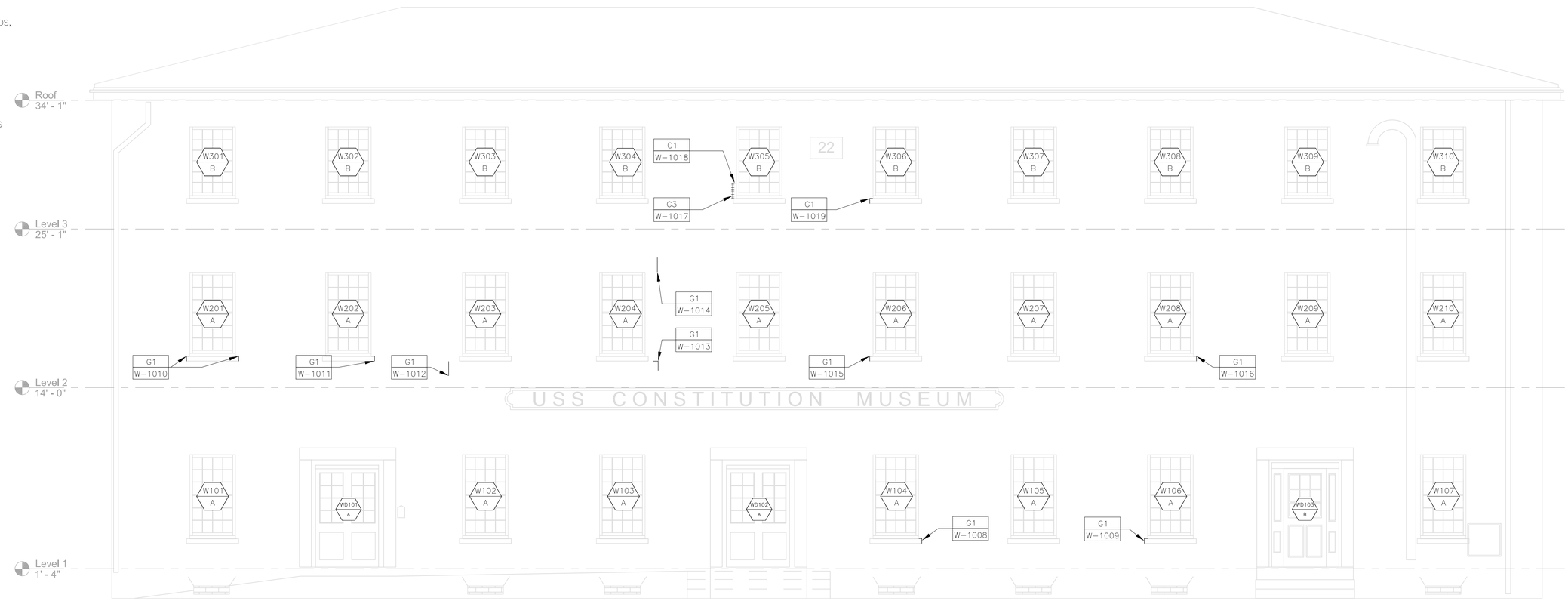
A NO WORK REQUIRED

B REMOVE AND RESTORE
PREP, PRIME, GLAZE, PAINT
INCLUDES REPLACING PARTING BEADS, SASH CORDS, AND INTERIOR STOPS WHERE INDICATED IN SCHEDULE
INSTALL FULL LENGTH SUPPORT JACK FOR UPPER SASH

C B TREATMENT PLUS
REPLACE BROKEN GLASS
DUTCHMAN REPAIR AND/OR EPOXY REPAIRS

D B TREATMENT PLUS
REPLACE ELEMENT(S), MATCHING EXISTING DETAILS AND DIMENSIONS
MAY INCLUDE LEVEL C REPAIRS WHERE NOTED IN SCHEDULE

NOTE: ASSUME 10% OF WINDOWS THIS ELEVATION MAY BE ACCESSED FROM THE EXTERIOR ONLY.



MASONRY RESTORATION GENERAL NOTES

1. MASONRY REPAIRS NOTED ONLY WHERE THEY ARE LOCATED ADJACENT TO WINDOWS AND DOORS.
2. REFER TO SHEETS A2.1 THRU A2.8 FOR SPECIFIC ELEVATION LOCATIONS.
3. REPOINT MASONRY JOINTS BEHIND ALL BRICK MOLD AT WINDOWS AND DOORS.
4. REPOINT ADDITIONAL MASONRY JOINTS WHERE SPECIFIED ON SHEETS.
5. REMOVE AND REPLACE SEALANTS BETWEEN WOOD AND MASONRY OPENINGS.

MASONRY RESTORATION SHEET KEYNOTES & LEGEND

X# TREATMENT CODE
X-#### TREATMENT ID

G = GRANITE
CS = CAST STONE
B = BRICK

GRANITE RESTORATION

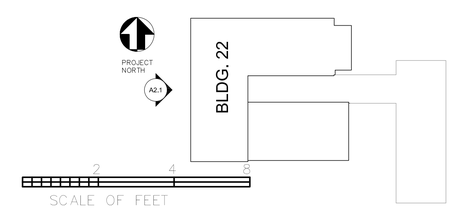
- G1 REPOINT DETAIL A5.6/1
- G2 REPAIR CRACK – GROUT DETAIL A5.6/2
- G3 REPAIR CRACK – PIN & GROUT DETAIL A5.6/2 and A5.6/3
- G4 DUTCHMAN REPAIR DETAIL A5.6/4
- G5 REMOVE PREVIOUS PATCH; PROVIDE AND INSTALL NEW DUTCHMAN DETAIL A5.6/4

CAST STONE RESTORATION

- CS1 REPOINT DETAIL A5.6/1
- CS2 REPAIR CRACK – GROUT DETAIL A5.6/2
- CS3 REPAIR CRACK – PIN & GROUT DETAIL A5.6/2 and A5.6/3
- CS4 CEMENTITIOUS PATCH TO MATCH DETAIL A5.6/5, A5.6/6
- CS5 REPLACE UNIT; MATCH EXISTING
- CS6 CLEAN RUSTED REBAR COAT REBAR WITH RUST INHIBITING PAINT PREP & PATCH CAST STONE DETAIL A5.6/5, A5.6/6, A5.6/7

BRICK RESTORATION

- B1 REPOINT BRICK AREA DETAIL A5.6/1
- B2 REBUILD BRICK AREA
- B3 BRICK UNIT REPLACEMENT (#)



A/E FIRM PRIME: SCHWARTZ/SILVER ARCHITECTS, INC. BOSTON, MA SUBCONTRACTOR: BUILDING CONSERVATION ASSOCIATES, INC. NEWTON CENTRE, MA	DESIGNED: CADD: TECH. REVIEW: DATE: 02/10/2025	SUB SHEET NO. A2.1	TITLE OF SHEET BUILDING 22 WEST ELEVATION RESTORATION REPAIRS RESTORE EXTERIOR WINDOWS & DOORS USS CONSTITUTION MUSEUM

DRAWING NO. 457 194598
PKG. NO. 246267
SHEET 7 OF 27

			CONDITION GRADE			RESTORATION TREATMENT			
WINDOW	TYPE	NOM. OPENING SIZE	SASH	INTERIOR	EXTERIOR	SASH	INTERIOR	EXTERIOR	NOTES
N101	I	2' 11" x 5' 2" +/-	B	N/A	B	B	N/A	B	metal pipe passing through brick mold
N102	A	3'2-1/4" x 5' 10-1/2" +/-	C	N/A	B	C	N/A	B	interior blocked broken lites
N103	A	3'2-1/4" x 5' 10-1/2" +/-	B	N/A	B	B	N/A	B	interior blocked
N104	A	3'2-1/4" x 5' 10-1/2" +/-	C	N/A	B	C	N/A	B	interior blocked broken lite
N105	A	3'2-1/4" x 5' 10-1/2" +/-	B	N/A	B	B	N/A	B	interior blocked
N106	A	3'2-1/4" x 5' 10-1/2" +/-	B	N/A	B	B	N/A	B	interior blocked
N107	A	3'2-1/4" x 5' 10-1/2" +/-	B	B	B	B	B	B	
N108	A	3'2-1/4" x 5' 10-1/2" +/-	C	B	B	C	B	B	two broken lites
N109	A	3'2-1/4" x 5' 10-1/2" +/-	B	B	B	B	B	B	
N110	A	3'2-1/4" x 5' 10-1/2" +/-	B	B	B	B	B	B	
N111	A	3'2-1/4" x 5' 10-1/2" +/-	B	B	B	B	B	B	

			CONDITION GRADE			RESTORATION TREATMENT			
WINDOW	TYPE	NOM. OPENING SIZE	SASH	INTERIOR	EXTERIOR	SASH	INTERIOR	EXTERIOR	NOTES
N201	A	3'2-1/4" x 5' 10-1/2" +/-	A	B	C	A	B	C	dutchman brick mold
N202	A	3'2-1/4" x 5' 10-1/2" +/-	A	B	B	A	B	B	
N203	A	3'2-1/4" x 5' 10-1/2" +/-	A	B	B	A	B	B	
N204	A	3'2-1/4" x 5' 10-1/2" +/-	A	B	B	A	B	B	
N205	A	3'2-1/4" x 5' 10-1/2" +/-	A	B	D	A	B	D	replace sill
N206	A	3'2-1/4" x 5' 10-1/2" +/-	B	N/A	B	B	N/A	B	interior - collections storage
N207	A	3'2-1/4" x 5' 10-1/2" +/-	B	N/A	B	B	N/A	B	interior - collections storage
N208	A	3'2-1/4" x 5' 10-1/2" +/-	B	N/A	B	B	N/A	B	
N209	A	3'2-1/4" x 5' 10-1/2" +/-	B	B	B	B	B	B	
N210	A	3'2-1/4" x 5' 10-1/2" +/-	B	B	B	B	B	B	

			CONDITION GRADE			RESTORATION TREATMENT			
WINDOW	TYPE	NOM. OPENING SIZE	SASH	INTERIOR	EXTERIOR	SASH	INTERIOR	EXTERIOR	NOTES
N301	B	3'2-1/4" x 5' 0-1/2" +/-	A	B	B	B	B	B	replace sash cords
N302	B	3'2-1/4" x 5' 0-1/2" +/-	B	B	B	B	B	B	tighten sash joints
N303	B	3'2-1/4" x 5' 0-1/2" +/-	B	B	B	B	B	B	repoint masonry at sill
N304	B	3'2-1/4" x 5' 0-1/2" +/-	B	B	B	B	B	B	
N305	B	3'2-1/4" x 5' 0-1/2" +/-	B	B	B	B	B	B	
N306	B	3'2-1/4" x 5' 0-1/2" +/-	B	B	B	B	B	B	provide new sash cords
N307	B	3'2-1/4" x 5' 0-1/2" +/-	B	B	B	B	B	B	
N308	B	3'2-1/4" x 5' 0-1/2" +/-	C	B	B	C	B	B	broken lite
N309	B	3'2-1/4" x 5' 0-1/2" +/-	B	B	B	B	B	B	
N310	B	3'2-1/4" x 5' 0-1/2" +/-	B	B	C	B	B	C	replace sill knots with dutchman

WINDOW RESTORATION TREATMENT GUIDE

BASELINE WINDOW RESTORATION TREATMENT CODES. WORK INCLUDES ALL SASH AND WINDOW SURROUND, INTERIOR AND EXTERIOR. SEE SPECIFIC REPAIR REQUIREMENTS ON SHEET A6.1 FOR FULL SCOPE OF WORK.

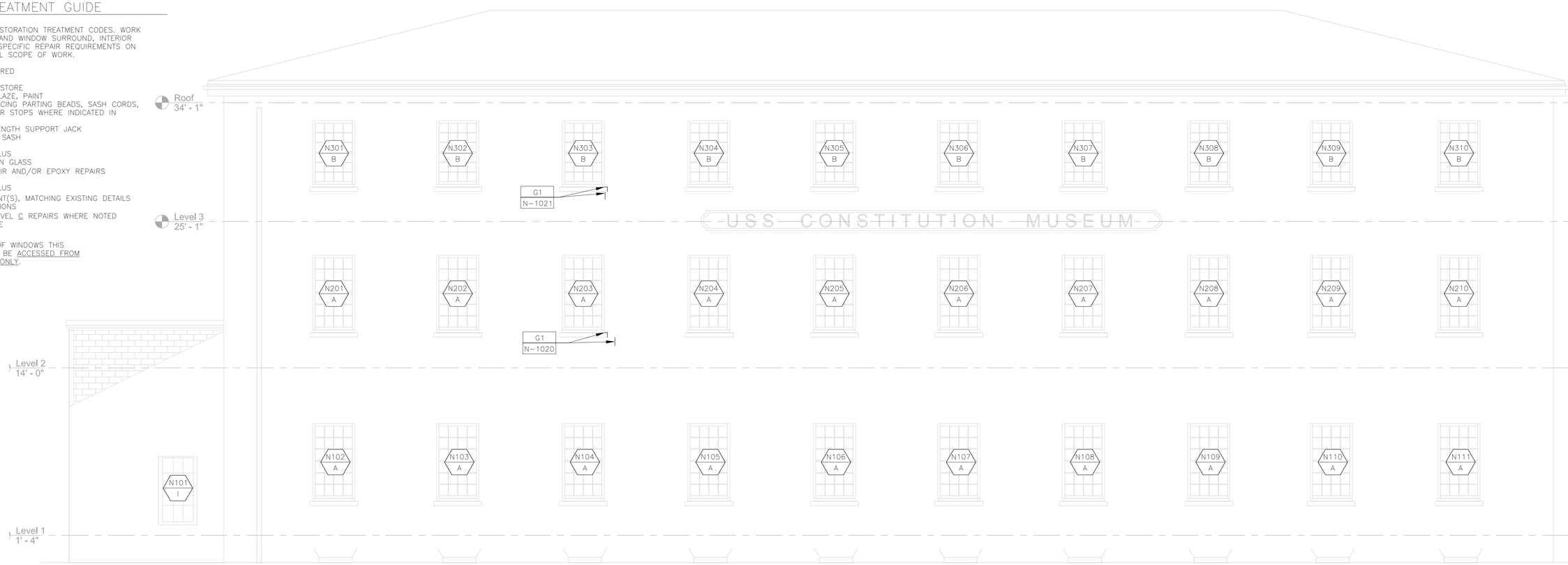
A — NO WORK REQUIRED

B — REMOVE AND RESTORE
PREP, PRIME, GLAZE, PAINT
INCLUDES REPLACING PARTING BEADS, SASH CORDS, AND INTERIOR STOPS WHERE INDICATED IN SCHEDULE
INSTALL FULL LENGTH SUPPORT JACK FOR UPPER SASH

C — B TREATMENT PLUS
REPLACE BROKEN GLASS
DUTCHMAN REPAIR AND/OR EPOXY REPAIRS

D — B TREATMENT PLUS
REPLACE ELEMENT(S), MATCHING EXISTING DETAILS AND DIMENSIONS
MAY INCLUDE LEVEL C REPAIRS WHERE NOTED IN SCHEDULE

NOTE: ASSUME 10% OF WINDOWS THIS ELEVATION MAY BE ACCESSED FROM THE EXTERIOR ONLY.



MASONRY RESTORATION GENERAL NOTES

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2. REFER TO SHEETS A2.1 THRU A2.8 FOR SPECIFIC ELEVATION LOCATIONS.
3. REPOINT MASONRY JOINTS BEHIND ALL BRICK MOLD AT WINDOWS AND DOORS.
4. REPOINT ADDITIONAL MASONRY JOINTS WHERE SPECIFIED ON SHEETS.
5. REMOVE AND REPLACE SEALANTS BETWEEN WOOD AND MASONRY OPENINGS.

MASONRY RESTORATION SHEET KEYNOTES & LEGEND

X# — TREATMENT CODE
X-#### — TREATMENT ID

G = GRANITE
CS = CAST STONE
B = BRICK

GRANITE RESTORATION

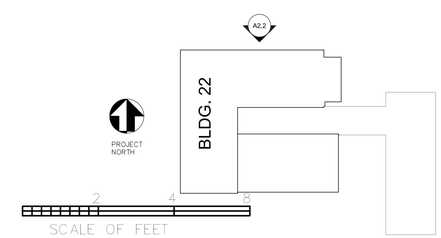
- G1 — REPOINT DETAIL A5.6/1
- G2 — REPAIR CRACK – GROUT DETAIL A5.6/2
- G3 — REPAIR CRACK – PIN & GROUT DETAIL A5.6/2 and A5.6/3
- G4 — DUTCHMAN REPAIR DETAIL A5.6/4
- G5 — REMOVE PREVIOUS PATCH; PROVIDE AND INSTALL NEW DUTCHMAN DETAIL A5.6/4

CAST STONE RESTORATION

- CS1 — REPOINT DETAIL A5.6/1
- CS2 — REPAIR CRACK – GROUT DETAIL A5.6/2
- CS3 — REPAIR CRACK – PIN & GROUT DETAIL A5.6/2 and A5.6/3
- CS4 — CEMENTITIOUS PATCH TO MATCH DETAIL A5.6/5, A5.6/6
- CS5 — REPLACE UNIT; MATCH EXISTING
- CS6 — CLEAN RUSTED REBAR COAT REBAR WITH RUST INHIBITING PAINT PREP & PATCH CAST STONE DETAIL A5.6/5, A5.6/6, A5.6/7

BRICK RESTORATION

- B1 — REPOINT BRICK AREA DETAIL A5.6/1
- B2 — REBUILD BRICK AREA
- B3 — BRICK UNIT REPLACEMENT (#)



REGISTERED ARCHITECT STUART H. SILVER No. 9593 BOSTON MASS. STATE OF

A/E FIRM PRIME: SCHWARTZ/SILVER ARCHITECTS, INC. BOSTON, MA SUBCONTRACTOR: BUILDING CONSERVATION ASSOCIATES, INC. NEWTON CENTRE, MA	DESIGNED: CADD: TECH. REVIEW: DATE: 02/10/2025	SUB SHEET NO. A2.2	TITLE OF SHEET BUILDING 22 NORTH ELEVATION RESTORATION REPAIRS RESTORE EXTERIOR WINDOWS & DOORS USS CONSTITUTION MUSEUM	DRAWING NO. 457 194598 PKG. NO. 246267 SHEET 8 OF 27

			CONDITION GRADE			RESTORATION TREATMENT			
WINDOW	TYPE	NOM. OPENING SIZE	SASH	INTERIOR	EXTERIOR	SASH	INTERIOR	EXTERIOR	NOTES
E101	G	4' 1" x 6' 0" +/-	N/A	N/A	N/A	N/A	N/A	N/A	boiler addition; louvered
E102	H	4' 1" x 6' 0" +/-	N/A	N/A	N/A	N/A	N/A	N/A	boiler addition; bricked
E201	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Bricked/covered by boiler addition
E202	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Bricked/covered by boiler addition
E203	A	3'2-1/4" x 5' 10-1/2" +/-	A	B	B	B	B	B	left cord is not attached to weight
E204	A	3'2-1/4" x 5' 10-1/2" +/-	C	B	C	C	B	C	lower sash bottom rail repairs broken lite
E205	A	3'2-1/4" x 5' 10-1/2" +/-	C	B	B	C	B	B	two new lites (replace plexi)
E206	A	3'2-1/4" x 5' 10-1/2" +/-	C	B	C	C	B	C	damage at stile/rail, upper sash

			CONDITION GRADE			RESTORATION TREATMENT			
WINDOW	TYPE	NOM. OPENING SIZE	SASH	INTERIOR	EXTERIOR	SASH	INTERIOR	EXTERIOR	NOTES
E301	B	3'2-1/4" x 5' 0-1/2" +/-	A	B	C	B	B	C	replace parting beads
E302	B	3'2-1/4" x 5' 0-1/2" +/-	A	B	C	B	B	C	resecure pulley cartridge heavily weathered sill
E303	E	3'2-1/4" x 5' 0-1/2" +/-	N/A	N/A	B	N/A		B	louver with exhaust pipe
E304	E	3'2-1/4" x 5' 0-1/2" +/-	N/A	N/A	B	N/A		B	louver
E305	B	3'2-1/4" x 5' 0-1/2" +/-	C	N/A	C	C	N/A	C	missing lites (2) environmental monitor mounted to ext trim
E306	E	3'2-1/4" x 5' 0-1/2" +/-	N/A	N/A	N/A	N/A	N/A	N/A	exhaust hood
E307	B	3'2-1/4" x 5' 0-1/2" +/-	A	B	B	A	B	B	
E308	B	3'2-1/4" x 5' 0-1/2" +/-	C	B	D	C	B	D	broken lite poor sill condition, loose knots, replace

WINDOW RESTORATION TREATMENT GUIDE

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A NO WORK REQUIRED

B REMOVE AND RESTORE
PREP, PRIME, GLAZE, PAINT
INCLUDES REPLACING PARTING BEADS, SASH CORDS, AND INTERIOR STOPS WHERE INDICATED IN SCHEDULE
INSTALL FULL LENGTH SUPPORT JACK FOR UPPER SASH

C B TREATMENT PLUS
REPLACE BROKEN GLASS
DUTCHMAN REPAIR AND/OR EPOXY REPAIRS

D B TREATMENT PLUS
REPLACE ELEMENT(S), MATCHING EXISTING DETAILS AND DIMENSIONS
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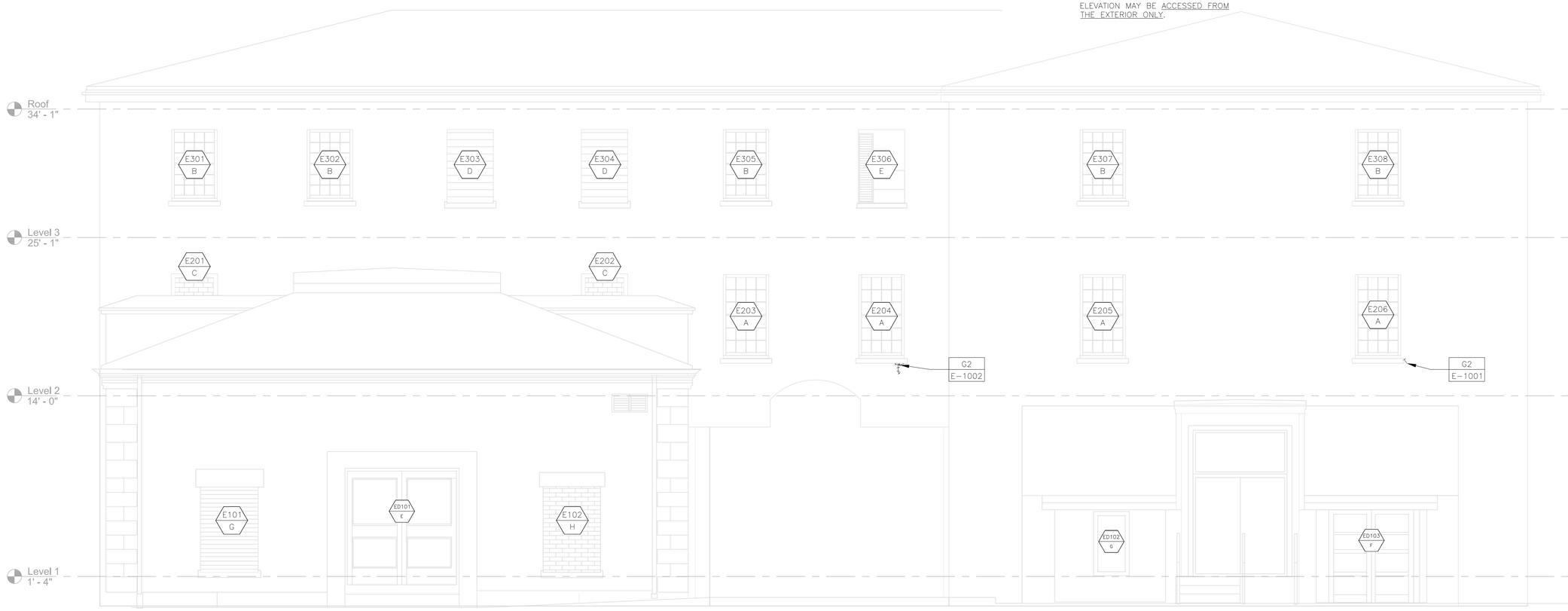

MASONRY RESTORATION GENERAL NOTES

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3. REPOINT MASONRY JOINTS BEHIND ALL BRICK MOLD AT WINDOWS AND DOORS.
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MASONRY RESTORATION SHEET KEYNOTES & LEGEND

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X-#### TREATMENT ID

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B = BRICK

GRANITE RESTORATION

- G1 REPOINT DETAIL A5.6/1
- G2 REPAIR CRACK – GROUT DETAIL A5.6/2
- G3 REPAIR CRACK – PIN & GROUT DETAIL A5.6/2 and A5.6/3
- G4 DUTCHMAN REPAIR DETAIL A5.6/4
- G5 REMOVE PREVIOUS PATCH; PROVIDE AND INSTALL NEW DUTCHMAN DETAIL A5.6/4

CAST STONE RESTORATION

- CS1 REPOINT DETAIL A5.6/1
- CS2 REPAIR CRACK – GROUT DETAIL A5.6/2
- CS3 REPAIR CRACK – PIN & GROUT DETAIL A5.6/2 and A5.6/3
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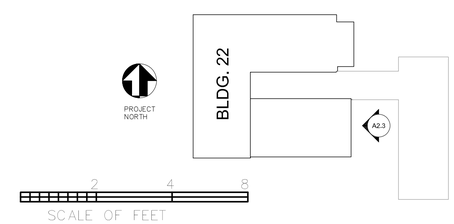
- CS6 CLEAN RUSTED REBAR COAT REBAR WITH RUST INHIBITING PAINT PREP & PATCH CAST STONE DETAIL A5.6/5, A5.6/6, A5.6/7

BRICK RESTORATION

- B1 REPOINT BRICK AREA DETAIL A5.6/1
- B2 REBUILD BRICK AREA
- B3 BRICK UNIT REPLACEMENT (#)



A/E FIRM PRIME: SCHWARTZ/SILVER ARCHITECTS, INC. BOSTON, MA SUBCONTRACTOR: BUILDING CONSERVATION ASSOCIATES, INC. NEWTON CENTRE, MA	DESIGNED: CADD: TECH. REVIEW: DATE: 02/10/2025	SUB SHEET NO. A2.3	TITLE OF SHEET BUILDING 22 EAST ELEVATION RESTORATION REPAIRS RESTORE EXTERIOR WINDOWS & DOORS USS CONSTITUTION MUSEUM

DRAWING NO. 457 194598
PKG. NO. 246267
SHEET 9 OF 27

			CONDITION GRADE			RESTORATION TREATMENT			
WINDOW	TYPE	NOM. OPENING SIZE	SASH	INTERIOR	EXTERIOR	SASH	INTERIOR	EXTERIOR	NOTES
S101	D	4' 6" x 7' 1" +/-	N/A	N/A	B	N/A	N/A	B	condensate lines routed through sill
S102	F	4' 1" x 6' 0" +/-	C	N/A	D	C	N/A	D	heavily checked sill - REPLACE re-pin stiles & rails; dutchman at joints
S103	F	4' 1" x 6' 0" +/-	C	N/A	C	C	N/A	C	two broken lites re-pin stiles & rails; dutchman at joints dutchman repairs at sill and brick mold
S201	A	3' 2-1/4" x 5' 10-1/2" +/-	D	N/A	C	D	N/A	C	heavily checked sill replace bottom rail lower sash archive space; rigid foam at interior
S202	A	3' 2-1/4" x 5' 10-1/2" +/-	C	N/A	C	C	N/A	C	re-pin stiles & rails lower sash raised to allow for AC port archive space; rigid foam at interior
S203	E	3' 2-1/4" x 5' 10-1/2" +/-	N/A	N/A	N/A	N/A	N/A	N/A	exhaust panel
S204	C	3' 2-1/4" x 5' 10-1/2" +/-	N/A	N/A	N/A	N/A	N/A	N/A	brick
S205	C	3' 2-1/4" x 5' 10-1/2" +/-	N/A	N/A	N/A	N/A	N/A	N/A	brick
S206	C	3' 2-1/4" x 5' 10-1/2" +/-	N/A	N/A	N/A	N/A	N/A	N/A	brick
S207	C	3' 2-1/4" x 5' 10-1/2" +/-	N/A	N/A	N/A	N/A	N/A	N/A	brick
S208	C	3' 2-1/4" x 5' 10-1/2" +/-	N/A	N/A	N/A	N/A	N/A	N/A	brick

			CONDITION GRADE			RESTORATION TREATMENT			
WINDOW	TYPE	NOM. OPENING SIZE	SASH	INTERIOR	EXTERIOR	SASH	INTERIOR	EXTERIOR	NOTES
S301	B	3' 2-1/4" x 5' 0-1/2" +/-	A	B	C	A	B	C	heavily weathered sill
S302	B	3' 2-1/4" x 5' 0-1/2" +/-	A	B	C	A	B	C	filler piece under sill
S303	E	3' 2-1/4" x 5' 0-1/2" +/-	N/A	N/A	N/A	N/A	N/A	N/A	exhaust panel
S304	B	3' 2-1/4" x 5' 0-1/2" +/-	A	B	B	B	B	B	replace parting beads
S305	B	3' 2-1/4" x 5' 0-1/2" +/-	A	B	C	B	B	B	replace sash cords
S306	B	3' 2-1/4" x 5' 0-1/2" +/-	A	B	B	A	B	B	no interior storm some glass is crazed; some is figured
S307	B	3' 2-1/4" x 5' 0-1/2" +/-	A	B	B	B	B	B	replace sash cords replace parting beads
S308	B	3' 2-1/4" x 5' 0-1/2" +/-	A	B	B	B	B	B	replace parting beads

WINDOW RESTORATION TREATMENT GUIDE

BASELINE WINDOW RESTORATION TREATMENT CODES. WORK INCLUDES ALL SASH AND WINDOW SURROUND, INTERIOR AND EXTERIOR. SEE SPECIFIC REPAIR REQUIREMENTS ON SHEET A6.1 FOR FULL SCOPE OF WORK.

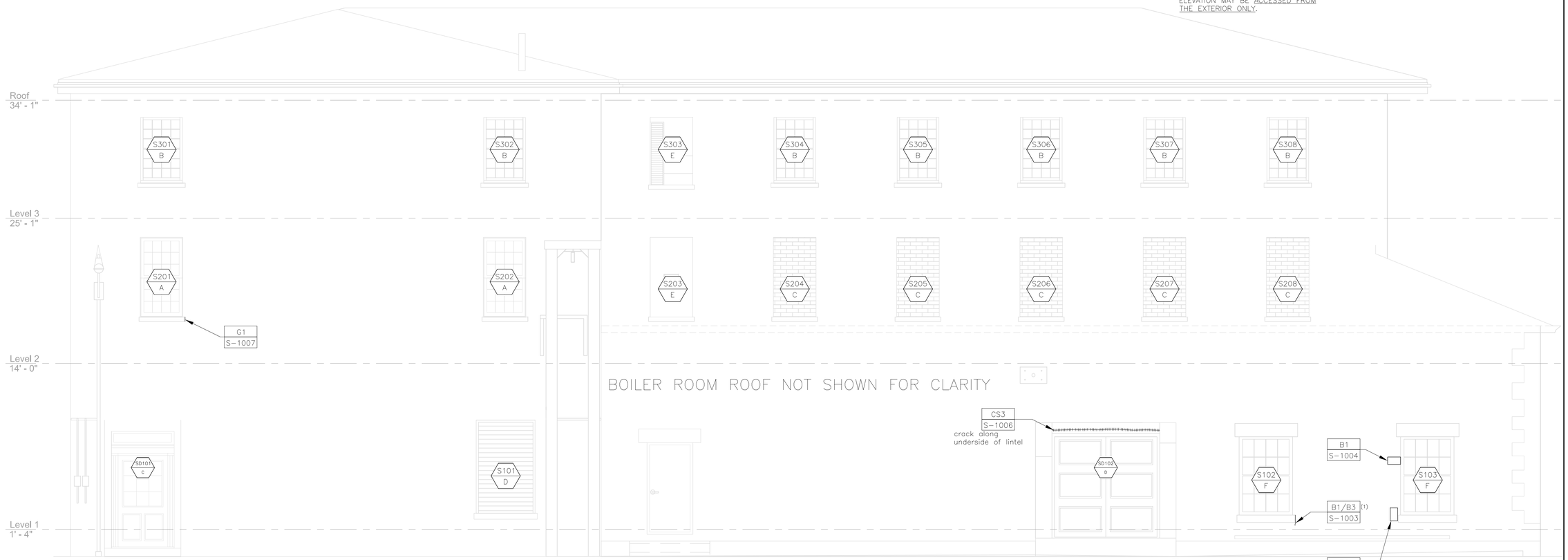
A NO WORK REQUIRED

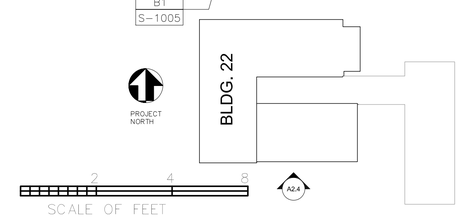
B REMOVE AND RESTORE
PREP, PRIME, GLAZE, PAINT
INCLUDES REPLACING PARTING BEADS, SASH CORDS, AND INTERIOR STOPS WHERE INDICATED IN SCHEDULE
INSTALL FULL LENGTH SUPPORT JACK FOR UPPER SASH

C B TREATMENT PLUS
REPLACE BROKEN GLASS
DUTCHMAN REPAIR AND/OR EPOXY REPAIRS

D B TREATMENT PLUS
REPLACE ELEMENT(S), MATCHING EXISTING DETAILS AND DIMENSIONS
MAY INCLUDE LEVEL C REPAIRS WHERE NOTED IN SCHEDULE

NOTE: ASSUME 10% OF WINDOWS THIS ELEVATION MAY BE ACCESSED FROM THE EXTERIOR ONLY.





MASONRY RESTORATION GENERAL NOTES

1. MASONRY REPAIRS NOTED ONLY WHERE THEY ARE LOCATED ADJACENT TO WINDOWS AND DOORS.
2. REFER TO SHEETS A2.1 THRU A2.8 FOR SPECIFIC ELEVATION LOCATIONS.
3. REPOINT MASONRY JOINTS BEHIND ALL BRICK MOLD AT WINDOWS AND DOORS.
4. REPOINT ADDITIONAL MASONRY JOINTS WHERE SPECIFIED ON SHEETS.
5. REMOVE AND REPLACE SEALANTS BETWEEN WOOD AND MASONRY OPENINGS.

MASONRY RESTORATION SHEET KEYNOTES & LEGEND

X# TREATMENT CODE
X-#### TREATMENT ID

G = GRANITE
CS = CAST STONE
B = BRICK

GRANITE RESTORATION

- G1 REPOINT DETAIL A5.6/1
- G2 REPAIR CRACK – GROUT DETAIL A5.6/2
- G3 REPAIR CRACK – PIN & GROUT DETAIL A5.6/2 and A5.6/3
- G4 DUTCHMAN REPAIR DETAIL A5.6/4
- G5 REMOVE PREVIOUS PATCH; PROVIDE AND INSTALL NEW DUTCHMAN DETAIL A5.6/4

CAST STONE RESTORATION

- CS1 REPOINT DETAIL A5.6/1
- CS2 REPAIR CRACK – GROUT DETAIL A5.6/2
- CS3 REPAIR CRACK – PIN & GROUT DETAIL A5.6/2 and A5.6/3
- CS4 CEMENTITIOUS PATCH TO MATCH DETAIL A5.6/5, A5.6/6
- CS5 REPLACE UNIT; MATCH EXISTING
- CS6 CLEAN RUSTED REBAR COAT REBAR WITH RUST INHIBITING PAINT PREP & PATCH CAST STONE DETAIL A5.6/5, A5.6/6, A5.6/7

BRICK RESTORATION

- B1 REPOINT BRICK AREA DETAIL A5.6/1
- B2 REBUILD BRICK AREA
- B3 BRICK UNIT REPLACEMENT (#)

REGISTERED ARCHITECT No. 9693 BOSTON MASS. STATE OF MASSACHUSETTS

A/E FIRM	DESIGNED:	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO.
PRIME: SCHWARTZ/SILVER ARCHITECTS, INC. BOSTON, MA SUBCONTRACTOR: BUILDING CONSERVATION ASSOCIATES, INC. NEWTON CENTRE, MA	CADD: TECH. REVIEW: DATE: 02/10/2025	A2.4	BUILDING 22 SOUTH ELEVATION RESTORATION REPAIRS RESTORE EXTERIOR WINDOWS & DOORS USS CONSTITUTION MUSEUM	457 194598 PKG. NO. 246267 SHEET 10 OF 27

			CONDITION GRADE			RESTORATION TREATMENT			
WINDOW	TYPE	NOM. OPENING SIZE	SASH	INTERIOR	EXTERIOR	SASH	INTERIOR	EXTERIOR	NOTES
W101	A	3' 11" x 7' 10" +/-	C	N/A	B	REPLACE	N/A	B	
W102	A	3' 11" x 7' 10" +/-	C	N/A	B	REPLACE	N/A	B	
W103	G	3' 11" x 7' 10" +/-	N/A	N/A	N/A	N/A	N/A	N/A	bricked up within stairway
W104	A	3' 11" x 7' 10" +/-	C	N/A	B	REPLACE	N/A	B	
W105	A	3' 11" x 7' 10" +/-	C	N/A	B	REPLACE	N/A	B	paint loss on bottom rail may indicate additional detrioration
W106	A	3' 11" x 7' 10" +/-	C	N/A	B	REPLACE	N/A	B	lower sash bottom rail failure ferrous fasteners on brick mold
W107	A	3' 11" x 7' 10" +/-	D	N/A	B	REPLACE	N/A	B	upper sash boarded up, appears broken glass and bottom rail failure

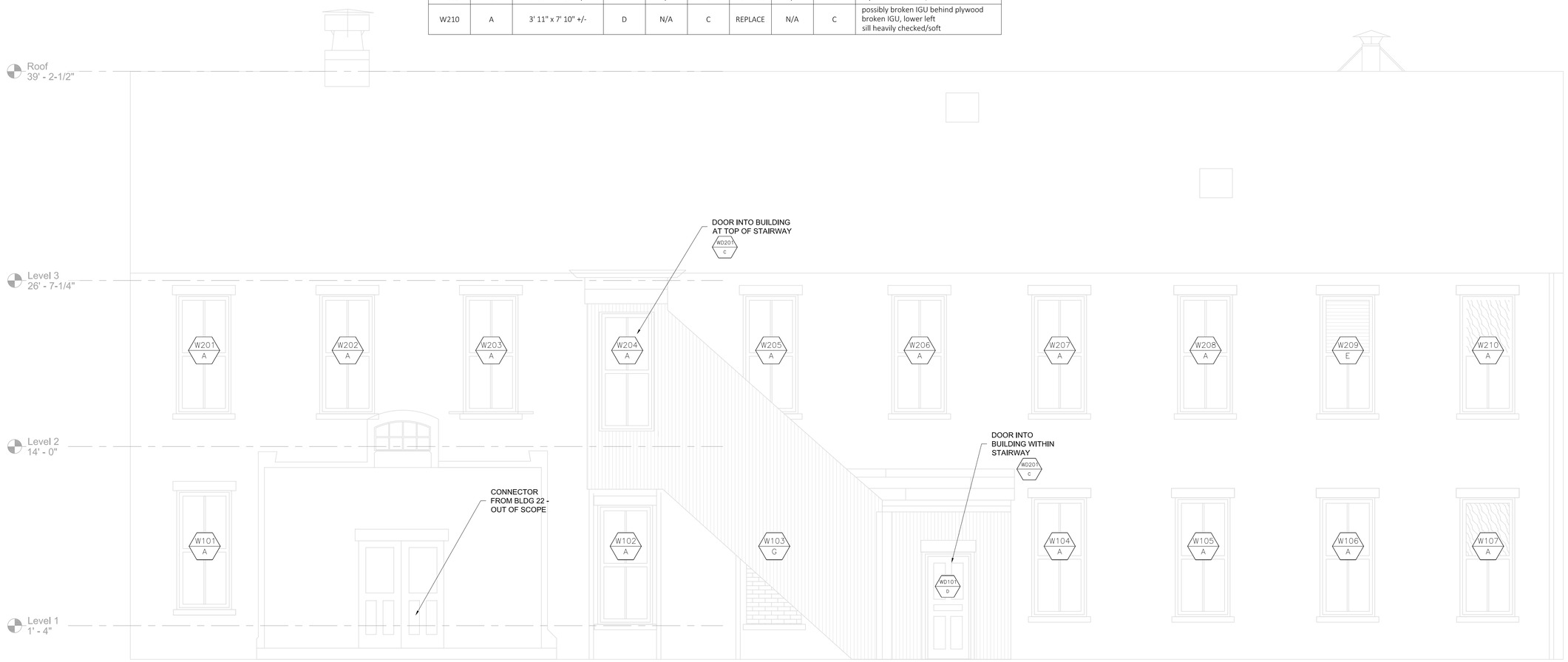
			CONDITION GRADE			RESTORATION TREATMENT			
WINDOW	TYPE	NOM. OPENING SIZE	SASH	INTERIOR	EXTERIOR	SASH	INTERIOR	EXTERIOR	NOTES
W201	A	3' 11" x 7' 10" +/-	D	N/A	B	REPLACE	N/A	B	replace bottom rail
W202	A	3' 11" x 7' 10" +/-	C	N/A	B	REPLACE	N/A	B	significant deterioration at lower left jamb
W203	A	3' 11" x 7' 10" +/-	D	N/A	C	REPLACE	N/A	C	significant lower sash failure - rail and stiles
W204	A	3' 11" x 7' 10" +/-	D	N/A	B	REPLACE	N/A	B	replace bottom rail, lower sash
W205	A	3' 11" x 7' 10" +/-	D	N/A	B	REPLACE	N/A	B	modified due to stairway
W206	A	3' 11" x 7' 10" +/-	C	N/A	C	REPLACE	N/A	C	bottom rail of upper sash appears compromised
W207	A	3' 11" x 7' 10" +/-	D	N/A	B	REPLACE	N/A	B	bottom rail, lower sash is missing bottom rail of upper sash appears compromise right stile upper sash deteriorated"
W208	A	3' 11" x 7' 10" +/-	C	N/A	D	REPLACE	N/A	D	appears to be missing blind stops
W209	E	3' 11" x 7' 10" +/-	D	N/A	C	REPLACE	N/A	C	replace bottom rail, lower sash
W210	A	3' 11" x 7' 10" +/-	D	N/A	C	REPLACE	N/A	C	possibly broken IGU behind plywood broken IGU, lower left sill heavily checked/soft

SASH RESTORATION / REPLACEMENT TREATMENT GUIDE

FOR BUILDING 28, ONLY THE FANLIGHTS (N301 AND S301) ARE TO BE RESTORED. ALL OTHER WINDOWS DATE TO THE CIRCA 1983 RENOVATIONS AND ARE TO BE REPLACED, MATCHING EXISTING DESIGN DETAILS BUT WITH UPGRADED WOOD SPECIES AND CONSTRUCTION DETAILS INTENDED TO INCREASE LONGEVITY.

BASELINE WINDOW RESTORATION TREATMENT CODES. WORK INCLUDES ALL SASH AND WINDOW SURROUND, INTERIOR AND EXTERIOR. SEE SPECIFIC RESTORATION / REPLACEMENT REQUIREMENTS ON SHEET A6.1 FOR FULL SCOPE OF WORK.

NOTE: ASSUME ALL WINDOWS THIS ELEVATION MAY BE ACCESSED FROM THE EXTERIOR ONLY.



MASONRY RESTORATION GENERAL NOTES

1. MASONRY REPAIRS NOTED ONLY WHERE THEY ARE LOCATED ADJACENT TO WINDOWS AND DOORS.
2. REFER TO SHEETS A2.1 THRU A2.8 FOR SPECIFIC ELEVATION LOCATIONS.
3. REPOINT MASONRY JOINTS BEHIND ALL BRICK MOLD AT WINDOWS AND DOORS.
4. REPOINT ADDITIONAL MASONRY JOINTS WHERE SPECIFIED ON SHEETS.
5. REMOVE AND REPLACE SEALANTS BETWEEN WOOD AND MASONRY OPENINGS.

MASONRY RESTORATION SHEET KEYNOTES & LEGEND

X# TREATMENT CODE
X-#### TREATMENT ID

G = GRANITE
CS = CAST STONE
B = BRICK

GRANITE RESTORATION

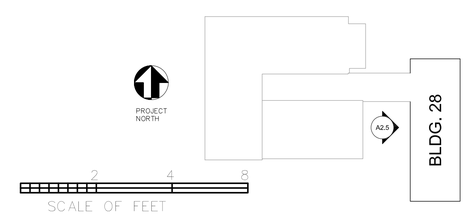
- G1 REPOINT DETAIL A5.6/1
- G2 REPAIR CRACK – GROUT DETAIL A5.6/2
- G3 REPAIR CRACK – PIN & GROUT DETAIL A5.6/2 and A5.6/3
- G4 DUTCHMAN REPAIR DETAIL A5.6/4
- G5 REMOVE PREVIOUS PATCH; PROVIDE AND INSTALL NEW DUTCHMAN DETAIL A5.6/4

CAST STONE RESTORATION

- CS1 REPOINT DETAIL A5.6/1
- CS2 REPAIR CRACK – GROUT DETAIL A5.6/2
- CS3 REPAIR CRACK – PIN & GROUT DETAIL A5.6/2 and A5.6/3
- CS4 CEMENTITIOUS PATCH TO MATCH DETAIL A5.6/5, A5.6/6
- CS5 REPLACE UNIT; MATCH EXISTING
- CS6 CLEAN RUSTED REBAR COAT REBAR WITH RUST INHIBITING PAINT PREP & PATCH CAST STONE DETAIL A5.6/5, A5.6/6, A5.6/7

BRICK RESTORATION

- B1 REPOINT BRICK AREA DETAIL A5.6/1
- B2 REBUILD BRICK AREA
- B3 BRICK UNIT REPLACEMENT (#)



A/E FIRM PRIME: SCHWARTZ/SILVER ARCHITECTS, INC. BOSTON, MA SUBCONTRACTOR: BUILDING CONSERVATION ASSOCIATES, INC. NEWTON CENTRE, MA	DESIGNED: CADD: TECH. REVIEW: DATE: 02/10/2025	SUB SHEET NO. A2.5	TITLE OF SHEET BUILDING 28 WEST ELEVATION RESTORATION REPAIRS RESTORE EXTERIOR WINDOWS & DOORS USS CONSTITUTION MUSEUM

DRAWING NO. 457 194598
PKG. NO. 246267
SHEET 11 OF 27

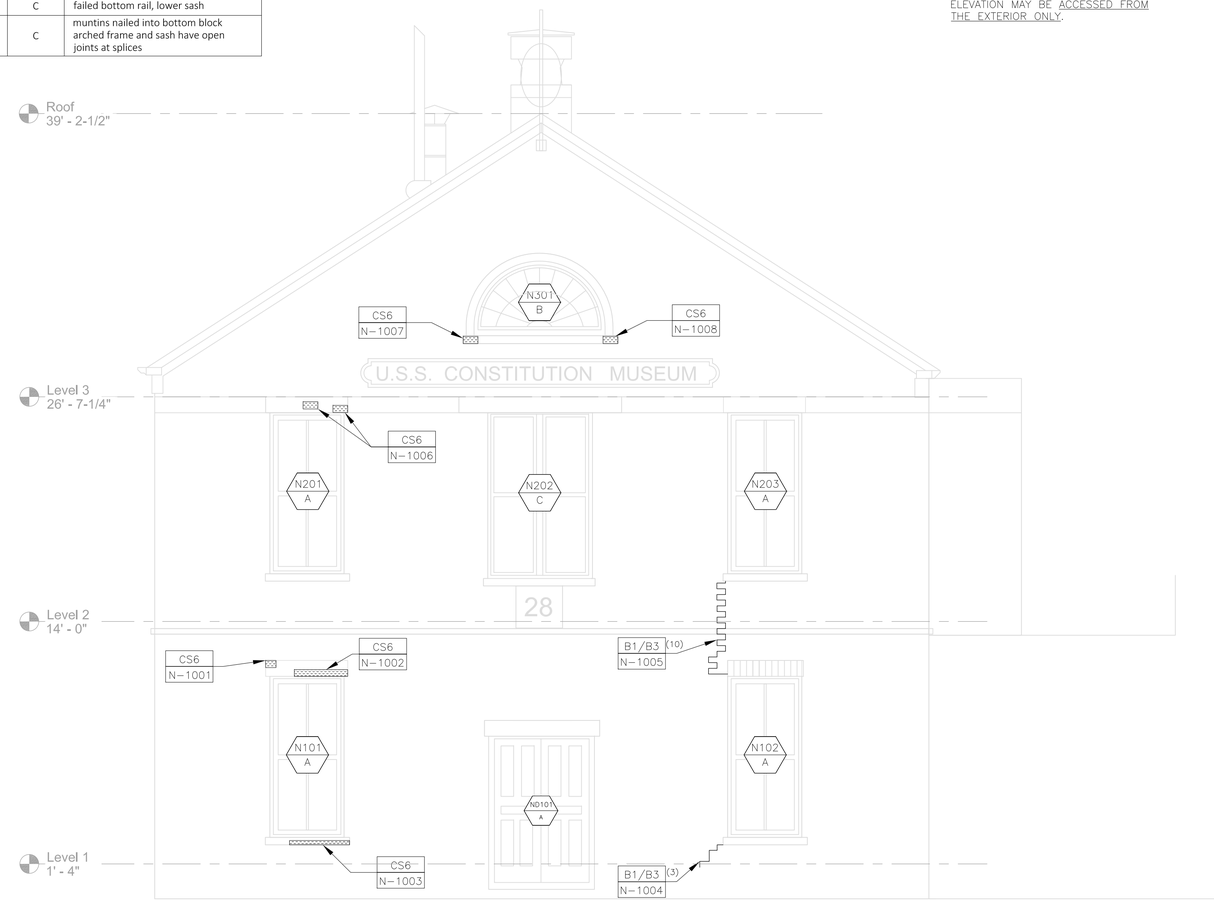
			CONDITION GRADE			RESTORATION TREATMENT			
WINDOW	TYPE	NOM. OPENING SIZE	SASH	INTERIOR	EXTERIOR	SASH	INTERIOR	EXTERIOR	NOTES
N101	A	3' 11" x 7' 10" +/-	C	N/A	B	REPLACE	N/A	B	covered up at interior
N102	A	3' 11" x 7' 10" +/-	D	B	B	REPLACE	B	B	two broken panes at exterior, IGU pulleys, but no weights right stile at bottom rail failed
N201	A	3' 11" x 7' 10" +/-	C	B	C	REPLACE	B	C	bottom rail issues left blind stop missing
N202	C	"2' 9"" x 7' 10"" +/- each casement"	D	C	C	REPLACE	B	C	bottom rail failed at left casement bracket repair for right casement overall structure failing; glass dropping
N203	A	3' 11" x 7' 10" +/-	D	N/A	C	REPLACE	N/A	C	failed bottom rail, lower sash
N301	B	7' 0" x 3' 0-1/4"+/-	C	N/A	C	C	N/A	C	muntins nailed into bottom block arched frame and sash have open joints at splices

SASH RESTORATION / REPLACEMENT TREATMENT GUIDE

FOR BUILDING 28, ONLY THE FANLIGHTS (N301 AND S301) ARE TO BE RESTORED. ALL OTHER WINDOWS DATE TO THE CIRCA 1983 RENOVATIONS AND ARE TO BE REPLACED, MATCHING EXISTING DESIGN DETAILS BUT WITH UPGRADED WOOD SPECIES AND CONSTRUCTION DETAILS INTENDED TO INCREASE LONGEVITY.

BASELINE WINDOW RESTORATION TREATMENT CODES. WORK INCLUDES ALL SASH AND WINDOW SURROUND, INTERIOR AND EXTERIOR. SEE SPECIFIC RESTORATION / REPLACEMENT REQUIREMENTS ON SHEET A6.1 FOR FULL SCOPE OF WORK.

NOTE: ASSUME 50% OF WINDOWS THIS ELEVATION MAY BE ACCESSED FROM THE EXTERIOR ONLY.



MASONRY RESTORATION GENERAL NOTES

1. MASONRY REPAIRS NOTED ONLY WHERE THEY ARE LOCATED ADJACENT TO WINDOWS AND DOORS.
2. REFER TO SHEETS A2.1 THRU A2.8 FOR SPECIFIC ELEVATION LOCATIONS.
3. REPOINT MASONRY JOINTS BEHIND ALL BRICK MOLD AT WINDOWS AND DOORS.
4. REPOINT ADDITIONAL MASONRY JOINTS WHERE SPECIFIED ON SHEETS.
5. REMOVE AND REPLACE SEALANTS BETWEEN WOOD AND MASONRY OPENINGS.

MASONRY RESTORATION SHEET KEYNOTES & LEGEND

X# — TREATMENT CODE
X-#### — TREATMENT ID

G = GRANITE
CS = CAST STONE
B = BRICK

GRANITE RESTORATION

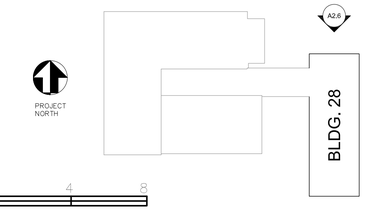
- G1 — REPOINT DETAIL A5.6/1
- G2 — REPAIR CRACK – GROUT DETAIL A5.6/2
- G3 — REPAIR CRACK – PIN & GROUT DETAIL A5.6/2 and A5.6/3
- G4 — DUTCHMAN REPAIR DETAIL A5.6/4
- G5 — REMOVE PREVIOUS PATCH; PROVIDE AND INSTALL NEW DUTCHMAN DETAIL A5.6/4

CAST STONE RESTORATION

- CS1 — REPOINT DETAIL A5.6/1
- CS2 — REPAIR CRACK – GROUT DETAIL A5.6/2
- CS3 — REPAIR CRACK – PIN & GROUT DETAIL A5.6/2 and A5.6/3
- CS4 — CEMENTITIOUS PATCH TO MATCH DETAIL A5.6/5, A5.6/6
- CS5 — REPLACE UNIT; MATCH EXISTING
- CS6 — CLEAN RUSTED REBAR COAT REBAR WITH RUST INHIBITING PAINT PREP & PATCH CAST STONE DETAIL A5.6/5, A5.6/6, A5.6/7

BRICK RESTORATION

- B1 — REPOINT BRICK AREA DETAIL A5.6/1
- B2 — REBUILD BRICK AREA
- B3 — BRICK UNIT REPLACEMENT (#)



PROJECT NORTH

2 4 8
SCALE OF FEET

REGISTERED ARCHITECT
DAVID P. SILVER
No. 9069
BOSTON
MASS.
STATE OF MASSACHUSETTS

A/E FIRM PRIME: SCHWARTZ/SILVER ARCHITECTS, INC. BOSTON, MA SUBCONTRACTOR: BUILDING CONSERVATION ASSOCIATES, INC. NEWTON CENTRE, MA	DESIGNED: CADD: TECH. REVIEW: DATE: 02/10/2025	SUB SHEET NO. A2.6	TITLE OF SHEET BUILDING 28 NORTH ELEVATION RESTORATION REPAIRS RESTORE EXTERIOR WINDOWS & DOORS USS CONSTITUTION MUSEUM

DRAWING NO. 457 194598
PKG. NO. 246267
SHEET 12 OF 27

			CONDITION GRADE			RESTORATION TREATMENT			
WINDOW	TYPE	NOM. OPENING SIZE	SASH	INTERIOR	EXTERIOR	SASH	INTERIOR	EXTERIOR	NOTES
E101	F	3' 11" x 7' 10" +/-	N/A	N/A	N/A	N/A	N/A	C	right brick mold damaged
E102	A	3' 11" x 7' 10" +/-	C	N/A	B	REPLACE	N/A	B	poster blocks access; assume condition
E103	A	3' 11" x 7' 10" +/-	C	N/A	B	REPLACE	N/A	B	poster blocks access; assume condition
E104	D	3' 11" x 7' 10" +/-	C	N/A	B	REPLACE	N/A	B	lower sash bottom rail cracking
E105	A	3' 11" x 7' 10" +/-	C	N/A	B	REPLACE	N/A	B	poster blocks access; assume condition

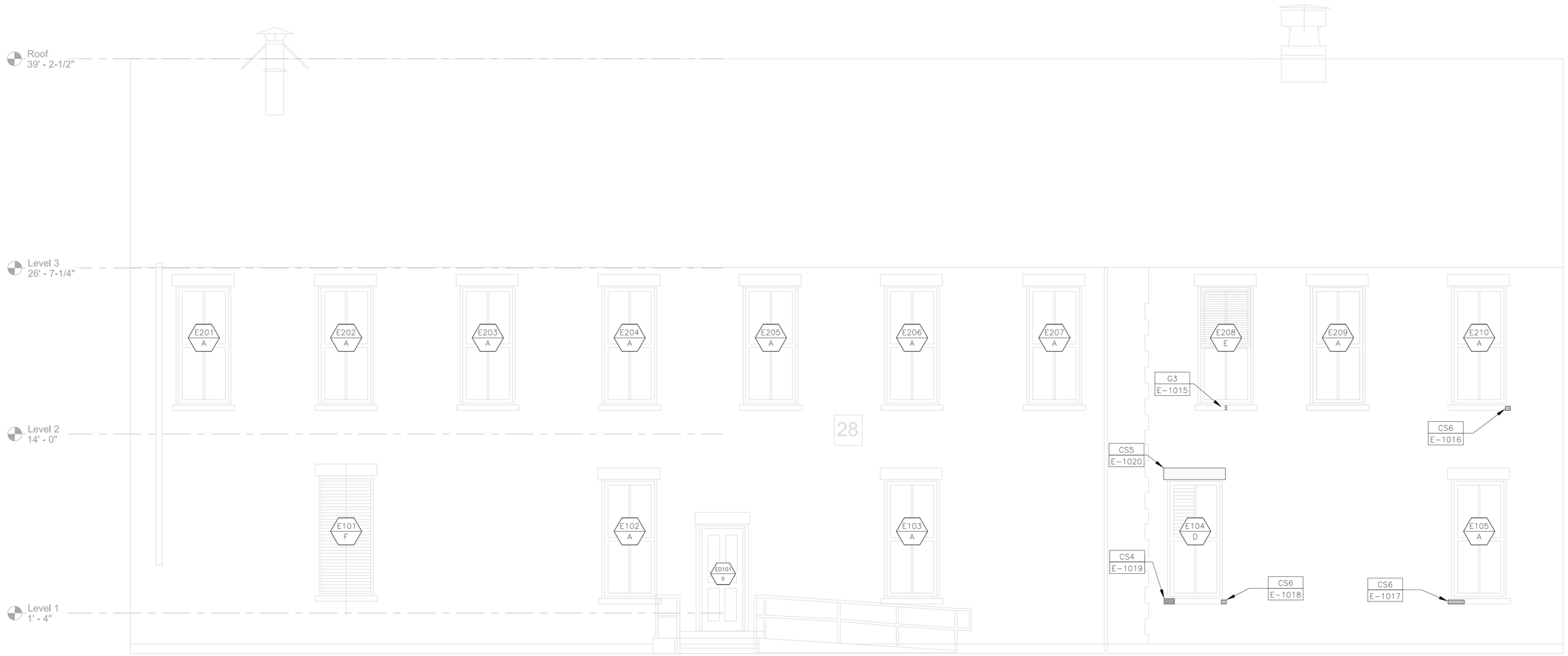
			CONDITION GRADE			RESTORATION TREATMENT			
WINDOW	TYPE	NOM. OPENING SIZE	SASH	INTERIOR	EXTERIOR	SASH	INTERIOR	EXTERIOR	NOTES
E201	A	3' 11" x 7' 10" +/-	D	N/A	B	REPLACE	N/A	B	replace bottom rail
E202	A	3' 11" x 7' 10" +/-	C	N/A	C	REPLACE	N/A	C	replace right brick mold
E203	A	3' 11" x 7' 10" +/-	C	N/A	C	REPLACE	N/A	C	repair left stile repair left brick mold
E204	A	3' 11" x 7' 10" +/-	C	N/A	B	REPLACE	N/A	B	upper sash muntin damaged
E205	A	3' 11" x 7' 10" +/-	C	N/A	B	REPLACE	N/A	B	
E206	A	3' 11" x 7' 10" +/-	C	N/A	B	REPLACE	N/A	B	upper sash muntin damaged
E207	A	3' 11" x 7' 10" +/-	C	N/A	B	REPLACE	N/A	B	
E208	E	3' 11" x 7' 10" +/-	C	N/A	B	REPLACE	N/A	B	
E209	A	3' 11" x 7' 10" +/-	D	N/A	B	REPLACE	N/A	B	replace bottom rail, lower sash
E210	A	3' 11" x 7' 10" +/-	D	N/A	B	REPLACE	N/A	B	replace bottom rail lower sash

SASH RESTORATION / REPLACEMENT TREATMENT GUIDE

FOR BUILDING 28, ONLY THE FANLIGHTS (N301 AND S301) ARE TO BE RESTORED. ALL OTHER WINDOWS DATE TO THE CIRCA 1983 RENOVATIONS AND ARE TO BE REPLACED, MATCHING EXISTING DESIGN DETAILS BUT WITH UPGRADED WOOD SPECIES AND CONSTRUCTION DETAILS INTENDED TO INCREASE LONGEVITY.

BASELINE WINDOW RESTORATION TREATMENT CODES. WORK INCLUDES ALL SASH AND WINDOW SURROUND, INTERIOR AND EXTERIOR. SEE SPECIFIC RESTORATION / REPLACEMENT REQUIREMENTS ON SHEET A6.1 FOR FULL SCOPE OF WORK.

NOTE: ASSUME ALL WINDOWS THIS ELEVATION MAY BE ACCESSED FROM THE EXTERIOR ONLY.



MASONRY RESTORATION GENERAL NOTES

1. MASONRY REPAIRS NOTED ONLY WHERE THEY ARE LOCATED ADJACENT TO WINDOWS AND DOORS.
2. REFER TO SHEETS A2.1 THRU A2.8 FOR SPECIFIC ELEVATION LOCATIONS.
3. REPOINT MASONRY JOINTS BEHIND ALL BRICK MOLD AT WINDOWS AND DOORS.
4. REPOINT ADDITIONAL MASONRY JOINTS WHERE SPECIFIED ON SHEETS.
5. REMOVE AND REPLACE SEALANTS BETWEEN WOOD AND MASONRY OPENINGS.

MASONRY RESTORATION SHEET KEYNOTES & LEGEND

X# TREATMENT CODE
X-#### TREATMENT ID

G = GRANITE
CS = CAST STONE
B = BRICK

GRANITE RESTORATION

- G1 — REPOINT DETAIL A5.6/1
- G2 — REPAIR CRACK – GROUT DETAIL A5.6/2
- G3 — REPAIR CRACK – PIN & GROUT DETAIL A5.6/2 and A5.6/3
- G4 — DUTCHMAN REPAIR DETAIL A5.6/4
- G5 — REMOVE PREVIOUS PATCH; PROVIDE AND INSTALL NEW DUTCHMAN DETAIL A5.6/4

CAST STONE RESTORATION

- CS1 — REPOINT DETAIL A5.6/1
- CS2 — REPAIR CRACK – GROUT DETAIL A5.6/2
- CS3 — REPAIR CRACK – PIN & GROUT DETAIL A5.6/2 and A5.6/3
- CS4 — CEMENTITIOUS PATCH TO MATCH DETAIL A5.6/5, A5.6/6
- CS5 — REPLACE UNIT; MATCH EXISTING
- CS6 — CLEAN RUSTED REBAR COAT REBAR WITH RUST INHIBITING PAINT PREP & PATCH CAST STONE DETAIL A5.6/5, A5.6/6, A5.6/7

BRICK RESTORATION

- B1 — REPOINT BRICK AREA DETAIL A5.6/1
- B2 — REBUILD BRICK AREA
- B3 — BRICK UNIT REPLACEMENT (#)

REGISTERED ARCHITECT ROBERT W. SILVER No. 3053 BOSTON MASS. USA

A/E FIRM PRIME: SCHWARTZ/SILVER ARCHITECTS, INC. BOSTON, MA SUBCONTRACTOR: BUILDING CONSERVATION ASSOCIATES, INC. NEWTON CENTRE, MA	DESIGNED: CADD: TECH. REVIEW: DATE: 02/10/2025	SUB SHEET NO. A2.7	TITLE OF SHEET BUILDING 28 EAST ELEVATION RESTORE EXTERIOR WINDOWS & DOORS USS CONSTITUTION MUSEUM

DRAWING NO. 457 194598
PKG. NO. 246267
SHEET 13 OF 27

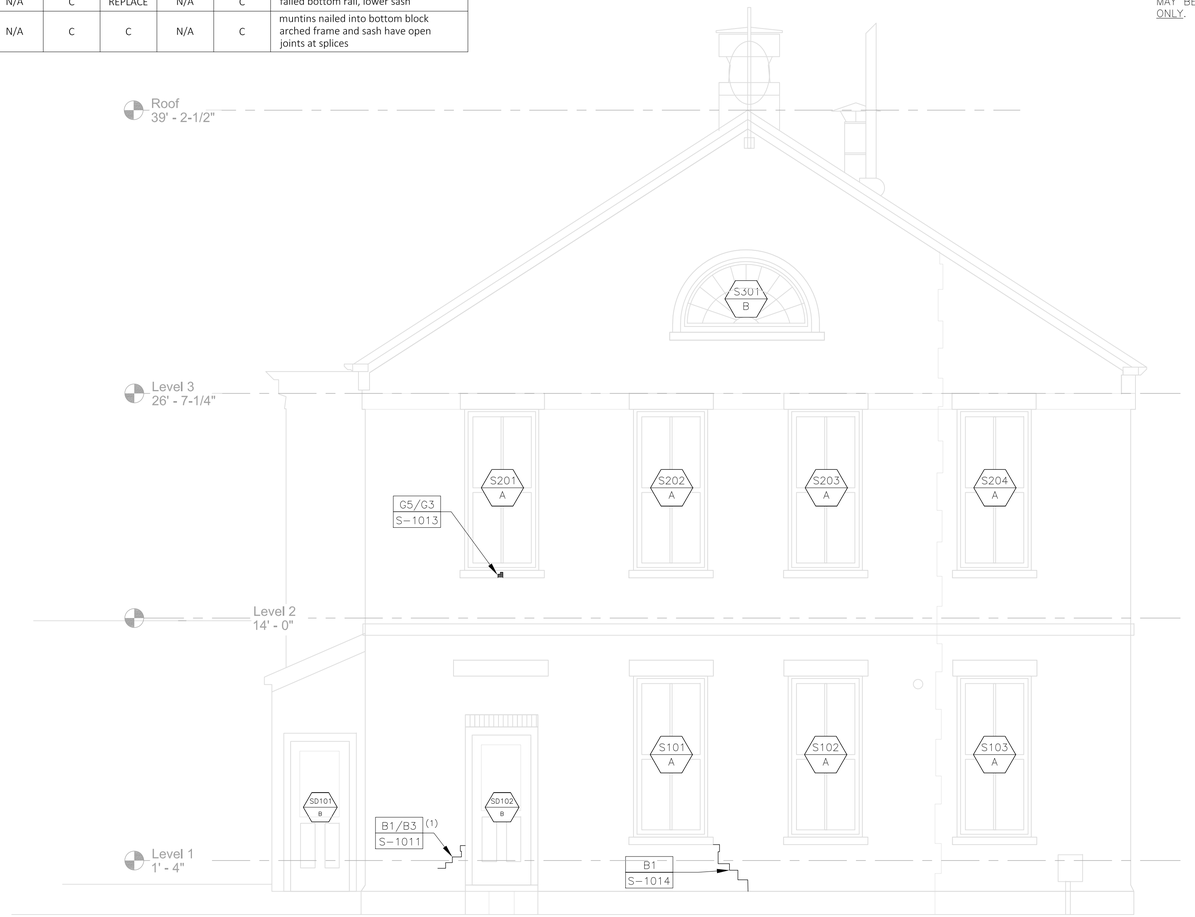
			CONDITION GRADE			RESTORATION TREATMENT			
WINDOW	TYPE	NOM. OPENING SIZE	SASH	INTERIOR	EXTERIOR	SASH	INTERIOR	EXTERIOR	NOTES
N101	A	3' 11" x 7' 10" +/-	C	N/A	B	REPLACE	N/A	B	covered up at interior
N102	A	3' 11" x 7' 10" +/-	D	B	B	REPLACE	B	B	two broken panes at exterior, IGU pulleys, but no weights right stile at bottom rail failed
N201	A	3' 11" x 7' 10" +/-	C	B	C	REPLACE	B	C	bottom rail issues left blind stop missing
N202	C	"2' 9"" x 7' 10"" +/- each casement"	D	C	C	REPLACE	B	C	bottom rail failed at left casement bracket repair for right casement overall structure failing; glass dropping
N203	A	3' 11" x 7' 10" +/-	D	N/A	C	REPLACE	N/A	C	failed bottom rail, lower sash
N301	B	7' 0" x 3' 0-1/4"+/-	C	N/A	C	C	N/A	C	muntins nailed into bottom block arched frame and sash have open joints at splices

SASH RESTORATION / REPLACEMENT TREATMENT GUIDE

FOR BUILDING 28, ONLY THE FANLIGHTS (N301 AND S301) ARE TO BE RESTORED. ALL OTHER WINDOWS DATE TO THE CIRCA 1983 RENOVATIONS AND ARE TO BE REPLACED, MATCHING EXISTING DESIGN DETAILS BUT WITH UPGRADED WOOD SPECIES AND CONSTRUCTION DETAILS INTENDED TO INCREASE LONGEVITY.

BASELINE WINDOW RESTORATION TREATMENT CODES. WORK INCLUDES ALL SASH AND WINDOW SURROUND, INTERIOR AND EXTERIOR. SEE SPECIFIC RESTORATION / REPLACEMENT REQUIREMENTS ON SHEET A6.1 FOR FULL SCOPE OF WORK.

NOTE: ASSUME ALL WINDOWS THIS ELEVATION MAY BE ACCESSED FROM THE EXTERIOR ONLY.



MASONRY RESTORATION GENERAL NOTES

1. MASONRY REPAIRS NOTED ONLY WHERE THEY ARE LOCATED ADJACENT TO WINDOWS AND DOORS.
2. REFER TO SHEETS A2.1 THRU A2.8 FOR SPECIFIC ELEVATION LOCATIONS.
3. REPOINT MASONRY JOINTS BEHIND ALL BRICK MOLD AT WINDOWS AND DOORS.
4. REPOINT ADDITIONAL MASONRY JOINTS WHERE SPECIFIED ON SHEETS.
5. REMOVE AND REPLACE SEALANTS BETWEEN WOOD AND MASONRY OPENINGS.

MASONRY RESTORATION SHEET KEYNOTES & LEGEND

X# — TREATMENT CODE
X-#### — TREATMENT ID

G = GRANITE
CS = CAST STONE
B = BRICK

GRANITE RESTORATION

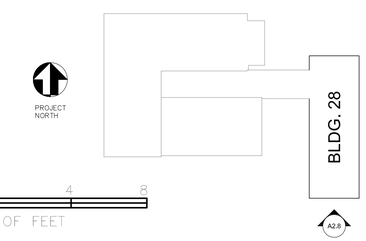
- G1 — REPOINT DETAIL A5.6/1
- G2 — REPAIR CRACK – GROUT DETAIL A5.6/2
- G3 — REPAIR CRACK – PIN & GROUT DETAIL A5.6/2 and A5.6/3
- G4 — DUTCHMAN REPAIR DETAIL A5.6/4
- G5 — REMOVE PREVIOUS PATCH; PROVIDE AND INSTALL NEW DUTCHMAN DETAIL A5.6/4

CAST STONE RESTORATION

- CS1 — REPOINT DETAIL A5.6/1
- CS2 — REPAIR CRACK – GROUT DETAIL A5.6/2
- CS3 — REPAIR CRACK – PIN & GROUT DETAIL A5.6/2 and A5.6/3
- CS4 — CEMENTITIOUS PATCH TO MATCH DETAIL A5.6/5, A5.6/6
- CS5 — REPLACE UNIT; MATCH EXISTING
- CS6 — CLEAN RUSTED REBAR COAT REBAR WITH RUST INHIBITING PAINT PREP & PATCH CAST STONE DETAIL A5.6/5, A5.6/6, A5.6/7

BRICK RESTORATION

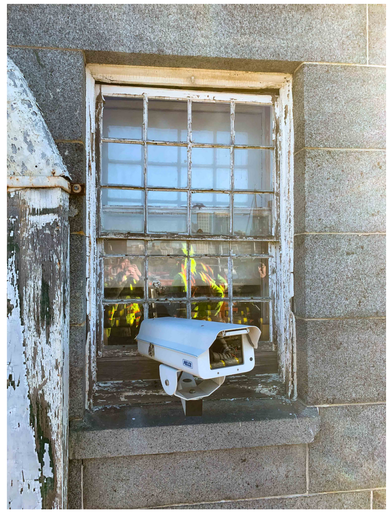
- B1 — REPOINT BRICK AREA DETAIL A5.6/1
- B2 — REBUILD BRICK AREA
- B3 — BRICK UNIT REPLACEMENT (#)



A/E FIRM PRIME: SCHWARTZ/SILVER ARCHITECTS, INC. BOSTON, MA SUBCONTRACTOR: BUILDING CONSERVATION ASSOCIATES, INC. NEWTON CENTRE, MA	DESIGNED: CADD: TECH. REVIEW: DATE: 02/10/2025	SUB SHEET NO. A2.8	TITLE OF SHEET BUILDING 28 SOUTH ELEVATION RESTORATION REPAIRS RESTORE EXTERIOR WINDOWS & DOORS USS CONSTITUTION MUSEUM

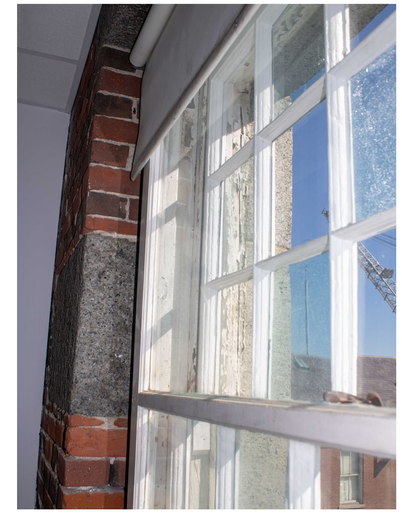
DRAWING NO. 457 194598
PKG. NO. 246267
SHEET 14 OF 27

W201 Sash recently restored
Failed sealant and paint at brick mold
Sill has been roughly filled



W310 Security camera secured to infill between sash and frame

N205 Sash recently restored
Failed sealant and paint on brick mold
Fully deteriorated and failed sill



S307 Sash recently restored
Parting beads not replaced when sash restored
Sash cord missing after sash restored

S202 Window at archives space
Accessible from exterior only
A/C port no longer used

E308 Sash exhibits failed paint and glazing putty
Loose knots in sill face

E305 Sash exhibits failed paint, glazing putty, and missing lites

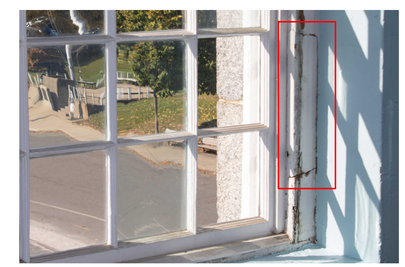
W103 Sash has at least two broken lites

S301 Sill is heavily deteriorated with almost complete paint loss

W104 Lites have been installed with caulking, rather than glazing putty

N108 Sash is missing two lites

W302 Recent sash restoration with damage due to sash lock
Missing stops to secure sash in frame

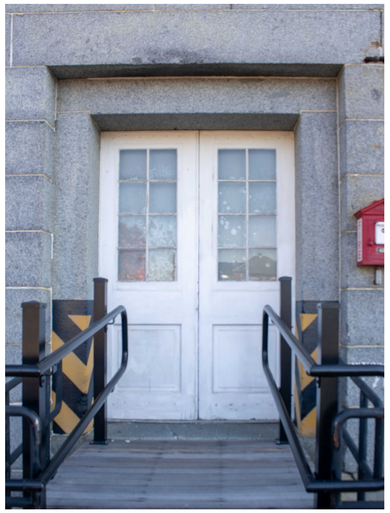


W303 Typical weight pocket access at interior face of window jamb

2 4 8
SCALE OF FEET

A/E FIRM PRIME: SCHWARTZ/SILVER ARCHITECTS, INC. BOSTON, MA SUBCONTRACTOR: BUILDING CONSERVATION ASSOCIATES, INC. NEWTON CENTRE, MA	DESIGNED: CADD: TECH. REVIEW: DATE: 02/10/2025	SUB SHEET NO. A5.1	TITLE OF SHEET BUILDING 22 TYPICAL WINDOW CONDITIONS RESTORE EXTERIOR WINDOWS & DOORS USS CONSTITUTION MUSEUM

DRAWING NO. 457 / 194598
PKG. NO. 246267
SHEET 15 OF 27



WD101 Double door – primarily egress only

WD101 Glazed lites with failed UV film
Lugs at top rail secure strap hinges

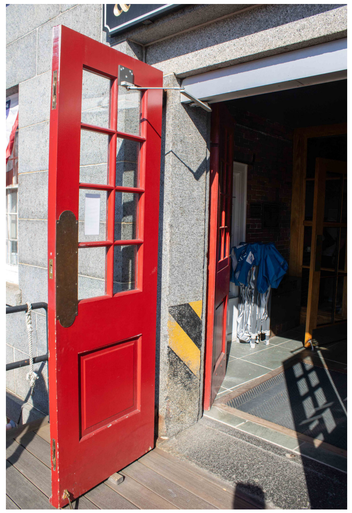
WD101 Minor deterioration at bottom rail and raised panels
Lugs at bottom rail secure strap hinges

WD101 Interior secured with wood bar
Large strap hinges at top and bottom

WD401 Emergency egress with flanking raised panels

WD401 Interior view of door

WD102 Double door – primary entrance/egress



WD102 & WD103
Exterior doors swing out
Interior doors swing in

WD103 Interior door at primary entrance

WD401 Detail showing areas of minor deterioration

WD401 Detail showing areas of moderate deterioration

2 4 8
SCALE OF FEET

A/E FIRM PRIME: SCHWARTZ/SILVER ARCHITECTS, INC. BOSTON, MA SUBCONTRACTOR: BUILDING CONSERVATION ASSOCIATES, INC. NEWTON CENTRE, MA	DESIGNED: CADD: TECH. REVIEW: DATE: 02/10/2025	SUB SHEET NO. A5.2	TITLE OF SHEET BUILDING 22 TYPICAL DOOR CONDITIONS – WEST RESTORE EXTERIOR WINDOWS & DOORS USS CONSTITUTION MUSEUM

DRAWING NO. 457 194598
PKG. NO. 246267
SHEET 16 OF 27

SD101 Side entrance

SD101 Glazed lites
Pilaster surround with dentil entablature
Possible covered transom?

SD101 General conditions – moderate deterioration

SD102 Double door
Advanced deterioration througout

SD102 Detail of deterioration along bottom rail

SD102 Cracking cast stone lintel

ED101 Double door – appears to be fixed in place

ED102 Hatch for equipment shed
Good condition

ED103 Double door to cellar space
Moderate levels of deterioration at stiles, rails, and plywood panels

SCALE OF FEET

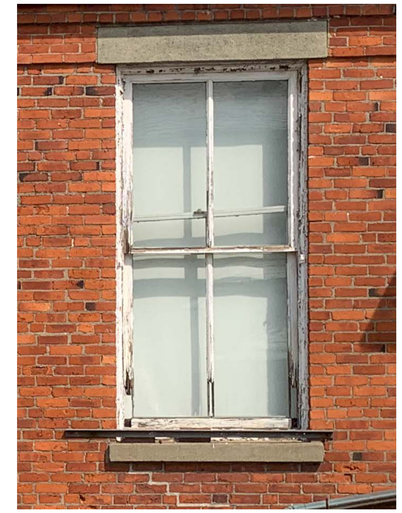
A/E FIRM PRIME: SCHWARTZ/SILVER ARCHITECTS, INC. BOSTON, MA SUBCONTRACTOR: BUILDING CONSERVATION ASSOCIATES, INC. NEWTON CENTRE, MA	DESIGNED: CADD: TECH. REVIEW: DATE: 02/10/2025	SUB SHEET NO. A5.3	TITLE OF SHEET BUILDING 22 TYPICAL DOOR CONDITIONS – SOUTH & EAST RESTORE EXTERIOR WINDOWS & DOORS USS CONSTITUTION MUSEUM

DRAWING NO. 457 / 194598
PKG. NO. 246267
SHEET 17 OF 27

E202 Typically protected by poster
Brick molding exhibits moderate paint and sealant loss

W101 Broken IGU unit

N102 Broken IGU unit



W203 Failed lower sash bottom rail and stiles

E102 Posters covering window opening
Assume moderate paint and sealant loss to sash and brick mold

E104 Conditions at bottom rail (typ.)

S301 Typical sill and frame conditions at fanlight

N102 Deterioration at stile/rail (interior)

W101 Paint failure; glazing strip failure

N102 Deterioration at stile/rail (exterior)

2 4 8
SCALE OF FEET

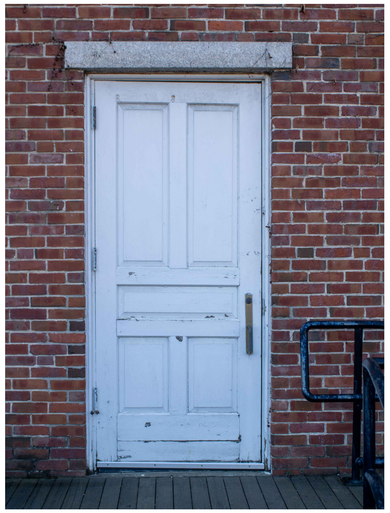
A/E FIRM
PRIME:
SCHWARTZ/SILVER ARCHITECTS, INC.
BOSTON, MA
SUBCONTRACTOR:
BUILDING CONSERVATION ASSOCIATES, INC.
NEWTON CENTRE, MA

DESIGNED:
SUB SHEET NO.
CADD:
TECH. REVIEW:
DATE: 02/10/2025

A5.4

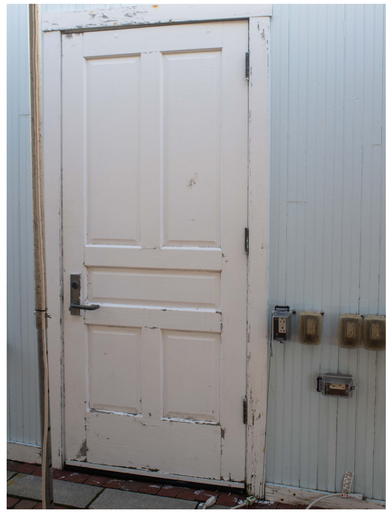
TITLE OF SHEET
BUILDING 28
TYPICAL WINDOW CONDITIONS
RESTORE EXTERIOR WINDOWS & DOORS
USS CONSTITUTION MUSEUM

DRAWING NO. 457 194598
PKG. NO. 246267
SHEET 18 OF 27

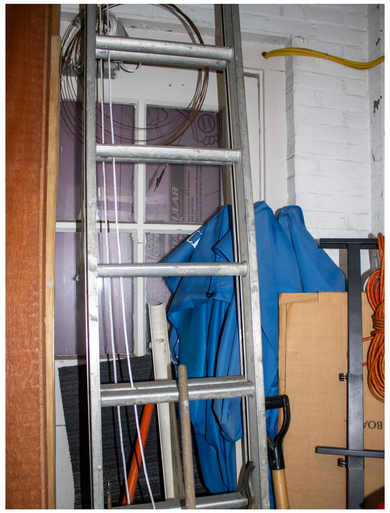


ED101 Raised panels, moderate deterioration

ND101 Double door, raised panels, moderate deterioration



WD101 Raised panels, moderate deterioration



WD201 Glazed door within stairwell, at building wall.

WD201 Door at top of stairwell, only visible through stairwell window.

SD101 Entrance to stairwell, significant deterioration at trim and opening

SD101 Significant deterioration at trim and opening

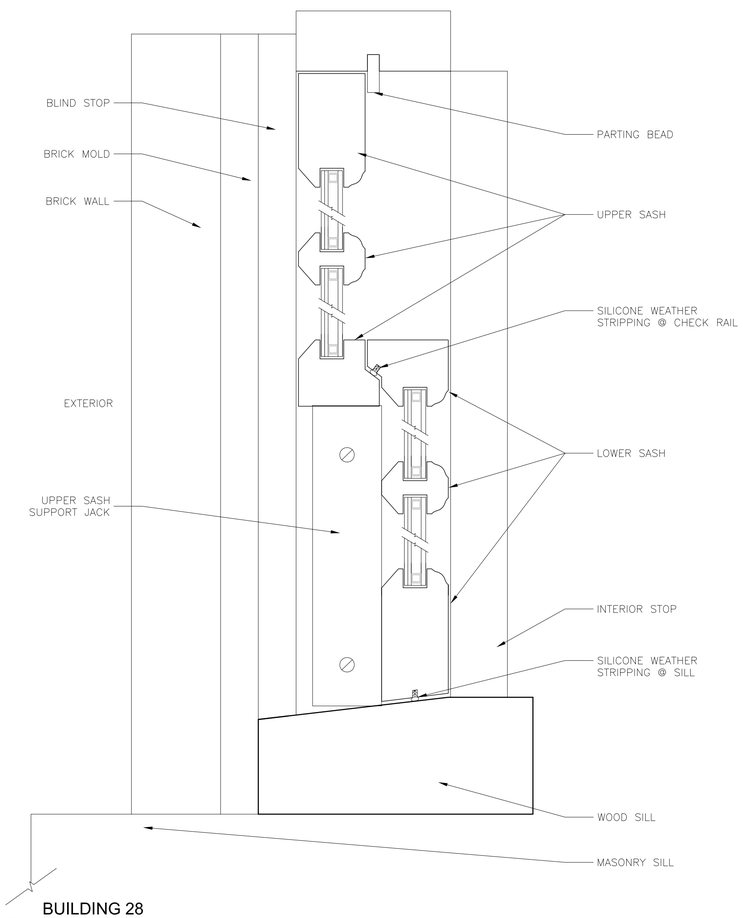
SD102 Heavy deterioration of paint for door and trim

SCALE OF FEET

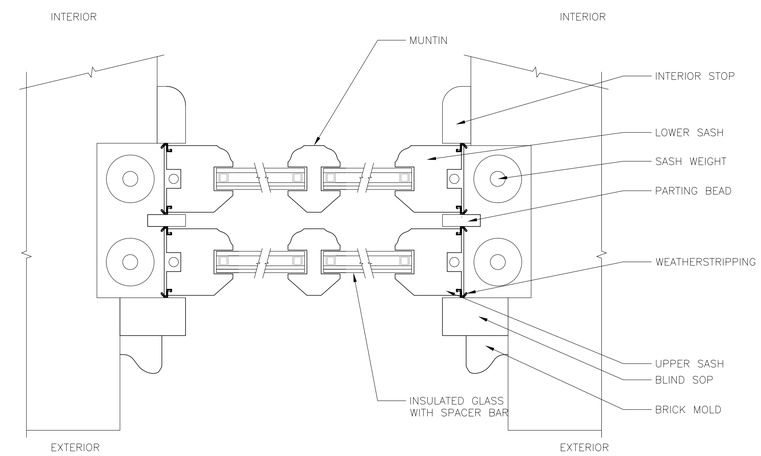
A/E FIRM PRIME: SCHWARTZ/SILVER ARCHITECTS, INC. BOSTON, MA SUBCONTRACTOR: BUILDING CONSERVATION ASSOCIATES, INC. NEWTON CENTRE, MA	DESIGNED: SUB SHEET NO. CADD: TECH. REVIEW: DATE: 02/10/2025 A5.5	TITLE OF SHEET BUILDING 28 TYPICAL DOOR CONDITIONS RESTORE EXTERIOR WINDOWS & DOORS USS CONSTITUTION MUSEUM	DRAWING NO. 457 194598 PKG. NO. 246267 SHEET 19 OF 27

SASH REPLACEMENT GENERAL NOTES

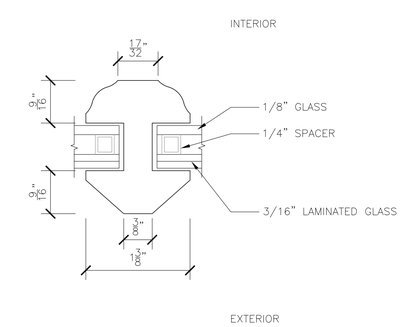
1. ALL WINDOW OPENINGS EXCEPT THE GABLE END FAN LIGHTS (N301 AND S301) ARE TO BE FITTED WITH CUSTOM REPLACEMENT SASH, MATCHING EXISTING IN DESIGN DETAILS.
2. REPLACEMENT SCOPE
   - A. REMOVE TWO WINDOWS FROM EACH ELEVATION TO CONFIRM SIZE AND INSTALLATION DETAILS. SASH MUST BE REMOVED FROM EXTERIOR.
   - B. PROVIDE AND INSTALL PROTECTION OF OPENING WHILE SASH HAS BEEN REMOVED.
   - C. REPLACEMENT SASH TO CONFORM TO FOLLOWING:
     - a. TEMPERED, INSULATED GLASS
     - b. TRUE DIVIDED LITES
     - c. PINNED (WOOD DRAWBORE) MORTISE AND TENON JOINERY
     - d. WOOD SPECIES – SAPELE, SPANISH CEDAR, CYPRESS, OR APPROVED EQUIVALENT, 100% HEARTWOOD, RIFT OR QUARTER SAWN
     - e. INTERIOR PROFILES AS DETAILED (SHEET A5.6), MATCHING APPROVED PROFILES FROM 1983
     - f. BEVELED WOOD STRIPS TO MIMIC GLAZING PUTTY AT EXTERIOR
     - g. PLOUGH AND BORE TO SUPPORT OPERABLE SASH WITH WEIGHTS.
   - D. SASH TO BE PAINTED WITH LINSEED OIL PAINT SYSTEM FOLLOWING MANUFACTURER'S REQUIREMENTS.
   - E. SASH TO BE INSTALLED FROM EXTERIOR AND FIXED IN PLACE.



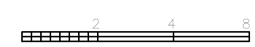
10 BUILDING 28
WINDOW, ELEVATION
NOT TO SCALE



9 BUILDING 28
SASH & JAMB, PLAN VIEW
NOT TO SCALE



8 BUILDING 28
MUNTIN DETAIL (1983 APPROVAL)



A/E FIRM PRIME: SCHWARTZ/SILVER ARCHITECTS, INC. BOSTON, MA SUBCONTRACTOR: BUILDING CONSERVATION ASSOCIATES, INC. NEWTON CENTRE, MA	DESIGNED: CADD: TECH. REVIEW: DATE: 02/10/2025	SUB SHEET NO. A5.6	TITLE OF SHEET BUILDING 28 WINDOW REPLACEMENT DETAILS RESTORE EXTERIOR WINDOWS & DOORS USS CONSTITUTION MUSEUM	DRAWING NO. 457 194598 PKG. NO. 246267 SHEET 20 OF 27

MASONRY RESTORATION SHEET KEYNOTES & LEGEND

X# TREATMENT CODE
X-#### TREATMENT ID

G = GRANITE
CS = CAST STONE
B = BRICK

GRANITE RESTORATION

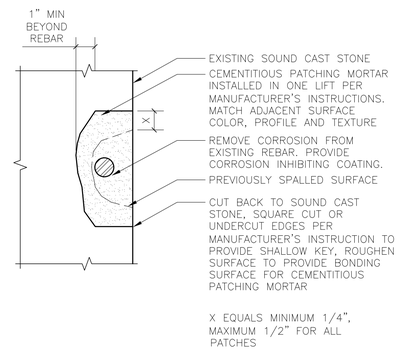
- G1 — REPOINT DETAIL A5.6/1
- G2 — REPAIR CRACK – GROUT DETAIL A5.6/2
- G3 — REPAIR CRACK – PIN & GROUT DETAIL A5.6/2 and A5.6/3
- G4 — DUTCHMAN REPAIR DETAIL A5.6/4
- G5 — REMOVE PREVIOUS PATCH; PROVIDE AND INSTALL NEW DUTCHMAN DETAIL A5.6/4

CAST STONE RESTORATION

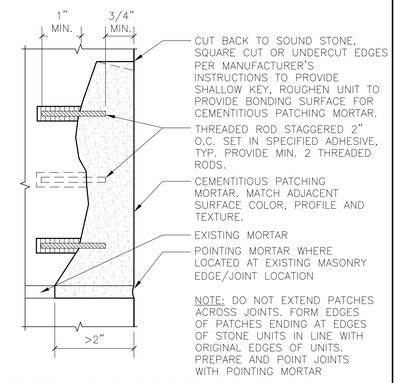
- CS1 — REPOINT DETAIL A5.6/1
- CS2 — REPAIR CRACK – GROUT DETAIL A5.6/2
- CS3 — REPAIR CRACK – PIN & GROUT DETAIL A5.6/2 and A5.6/3
- CS4 — CEMENTITIOUS PATCH TO MATCH DETAIL A5.6/5, A5.6/6
- CS5 — REPLACE UNIT; MATCH EXISTING
- CS6 — CLEAN RUSTED REBAR COAT REBAR WITH RUST INHIBITING PAINT PREP & PATCH CAST STONE DETAIL A5.6/5, A5.6/6, A5.6/7

BRICK RESTORATION

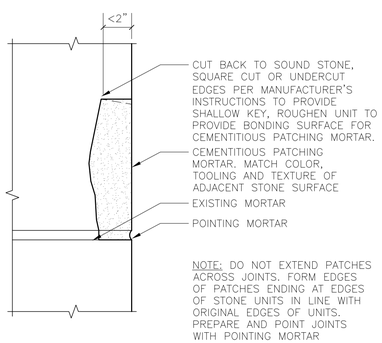
- B1 — REPOINT BRICK AREA DETAIL A5.6/1
- B2 — REBUILD BRICK AREA
- B3 — BRICK UNIT REPLACEMENT (#)



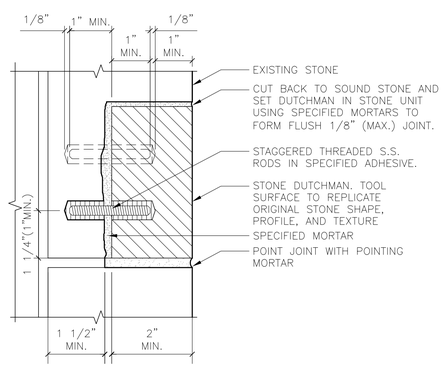
7 SECTION SHOWING CAST STONE PATCHING AT REBAR USING PREPACKAGED MORTAR
NOT TO SCALE
CS4/CS6



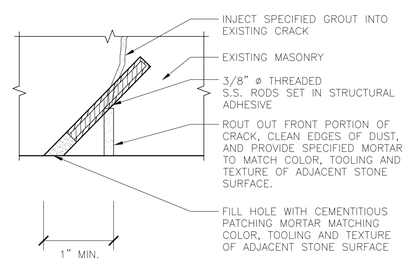
6 SECTION SHOWING STONE PATCHING PREPACKAGED MORTAR (DEPTH > 2")
NOT TO SCALE
CS4/CS6



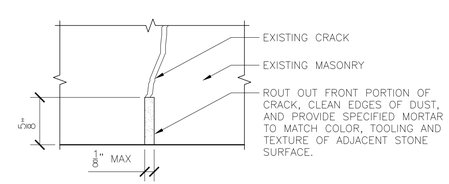
5 SECTION SHOWING STONE PATCHING PREPACKAGED MORTAR (DEPTH < 2")
NOT TO SCALE
CS4/CS6



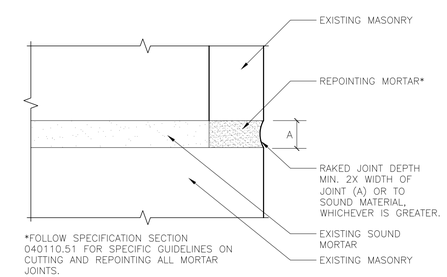
4 SECTION SHOWING DUTCHMAN REPAIR
NOT TO SCALE
G4/G5



3 PLAN SECTION SHOWING GROUT INJECTION AND PINNING CRACK REPAIR
NOT TO SCALE
G2/G3, CS2/CS3



2 PLAN SECTION SHOWING ROUT AND FILL CRACK REPAIR
NOT TO SCALE
G2, CS2



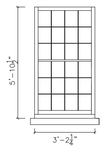
1 REPOINTING - SECTION
NOT TO SCALE
B1, CS1, G1

2 4 8
SCALE OF FEET

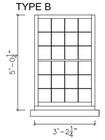
A/E FIRM: PRIME: SCHWARTZ/SILVER ARCHITECTS, INC. BOSTON, MA SUBCONTRACTOR: BUILDING CONSERVATION ASSOCIATES, INC. NEWTON CENTRE, MA	DESIGNED: SUB SHEET NO. CADD: TECH. REVIEW: DATE: 02/10/2025 A5.7	TITLE OF SHEET MASONRY REPAIR DETAILS RESTORE EXTERIOR WINDOWS & DOORS USS CONSTITUTION MUSEUM	DRAWING NO. 457 194598 PKG. NO. 246267 SHEET 21 OF 27

WINDOW TYPES

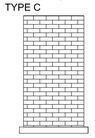
TYPE A



TYPE B

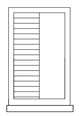


TYPE C

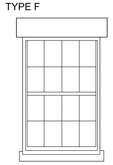


TYPE D

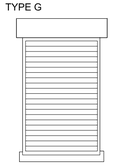
TYPE E



TYPE F



TYPE G



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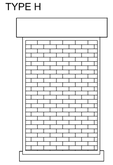

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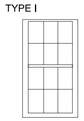


WEST ELEVATION

			CONDITION GRADE			RESTORATION TREATMENT			
WINDOW	TYPE	NOM. OPENING SIZE	SASH	INTERIOR	EXTERIOR	SASH	INTERIOR	EXTERIOR	NOTES
W101	A	3'2-1/4" x 5' 10-1/2" +/-	C	B	B	C	B	B	broken lite
W102	A	3'2-1/4" x 5' 10-1/2" +/-	C	B	B	C	B	B	broken lite
W103	A	3'2-1/4" x 5' 10-1/2" +/-	C	B	B	C	B	B	two broken lites
W104	A	3'2-1/4" x 5' 10-1/2" +/-	C	B	B	C	B	B	glazing putty repaired with caulk
W105	A	3'2-1/4" x 5' 10-1/2" +/-	C	B	B	C	B	B	no interior storm broken lite
W106	A	3'2-1/4" x 5' 10-1/2" +/-	B	B	B	B	B	B	no interior storm
W107	A	3'2-1/4" x 5' 10-1/2" +/-	C	B	B	C	B	B	broken lite
W201	A	3'2-1/4" x 5' 10-1/2" +/-	A	B	C	A	B	C	sill consolidation & fill
W202	A	3'2-1/4" x 5' 10-1/2" +/-	A	B	C	A	B	C	sill consolidation & fill
W203	A	3'2-1/4" x 5' 10-1/2" +/-	A	B	D	A	B	D	sill, brick mold dutchman, possible replacement
W204	A	3'2-1/4" x 5' 10-1/2" +/-	A	B	B	B	B	B	new sash cords
W205	A	3'2-1/4" x 5' 10-1/2" +/-	A	B	B	A	B	B	
W206	A	3'2-1/4" x 5' 10-1/2" +/-	A	B	D	A	B	D	replace sill
W207	A	3'2-1/4" x 5' 10-1/2" +/-	A	B	D	A	B	D	replace sill
W208	A	3'2-1/4" x 5' 10-1/2" +/-	A	B	D	A	B	D	replace sill
W209	A	3'2-1/4" x 5' 10-1/2" +/-	A	B	D	A	B	D	replace sill
W210	A	3'2-1/4" x 5' 10-1/2" +/-	C	N/A	B	A	N/A	C	archive space; rigid foam at interior
W301	B	3'2-1/4" x 5' 0-1/2" +/-	A	B	D	B	B	D	replace blind stop (exterior) provide new stops (interior) and cords
W302	B	3'2-1/4" x 5' 0-1/2" +/-	B	B	C	B	B	C	consolidate/fill sill provide new stops repair muntin (damaged by lock)
W303	B	3'2-1/4" x 5' 0-1/2" +/-	A	B	B	B	B	B	consolidate/fill sill provide new stops
W304	B	3'2-1/4" x 5' 0-1/2" +/-	A/C (upper)	B	C	A/C	B	C	restore upper sash consolidate/fill sill
W305	B	3'2-1/4" x 5' 0-1/2" +/-	A	B	B	B	B	B	repair muntin (damaged by lock)
W306	B	3'2-1/4" x 5' 0-1/2" +/-	A	B	C	B	B	C	remove plexiglass at exterior consolidate/fill sill replace sash cords
W307	B	3'2-1/4" x 5' 0-1/2" +/-	A	B	C	B	B	C	consolidate/fill sill replace sash cords
W308	B	3'2-1/4" x 5' 0-1/2" +/-	A	B	C	B	B	C	consolidate/fill sill replace sash cords
W309	B	3'2-1/4" x 5' 0-1/2" +/-	A	B	C	B	B	D	replace sill replace sash cords
W310	B	3'2-1/4" x 5' 0-1/2" +/-	C	B	C	C	B	C	new infill to support camera and align sash replace sash cords

NORTH ELEVATION

			CONDITION GRADE			RESTORATION TREATMENT			
WINDOW	TYPE	NOM. OPENING SIZE	SASH	INTERIOR	EXTERIOR	SASH	INTERIOR	EXTERIOR	NOTES
N101	I	2' 11" x 5' 2" +/-	B	N/A	B	B	N/A	B	metal pipe passing through brick mold
N102	A	3'2-1/4" x 5' 10-1/2" +/-	C	N/A	B	C	N/A	B	interior blocked broken lites
N103	A	3'2-1/4" x 5' 10-1/2" +/-	B	N/A	B	B	N/A	B	interior blocked
N104	A	3'2-1/4" x 5' 10-1/2" +/-	C	N/A	B	C	N/A	B	interior blocked broken lite
N105	A	3'2-1/4" x 5' 10-1/2" +/-	B	N/A	B	B	N/A	B	interior blocked
N106	A	3'2-1/4" x 5' 10-1/2" +/-	B	N/A	B	B	N/A	B	interior blocked
N107	A	3'2-1/4" x 5' 10-1/2" +/-	B	B	B	B	B	B	
N108	A	3'2-1/4" x 5' 10-1/2" +/-	C	B	B	C	B	B	two broken lites
N109	A	3'2-1/4" x 5' 10-1/2" +/-	B	B	B	B	B	B	
N110	A	3'2-1/4" x 5' 10-1/2" +/-	B	B	B	B	B	B	
N111	A	3'2-1/4" x 5' 10-1/2" +/-	B	B	B	B	B	B	
N201	A	3'2-1/4" x 5' 10-1/2" +/-	A	B	C	A	B	C	dutchman brick mold
N202	A	3'2-1/4" x 5' 10-1/2" +/-	A	B	B	A	B	B	
N203	A	3'2-1/4" x 5' 10-1/2" +/-	A	B	B	A	B	B	
N204	A	3'2-1/4" x 5' 10-1/2" +/-	A	B	B	A	B	B	
N205	A	3'2-1/4" x 5' 10-1/2" +/-	A	B	D	A	B	D	replace sill
N206	A	3'2-1/4" x 5' 10-1/2" +/-	B	N/A	B	B	N/A	B	interior - collections storage
N207	A	3'2-1/4" x 5' 10-1/2" +/-	B	N/A	B	B	N/A	B	interior - collections storage
N208	A	3'2-1/4" x 5' 10-1/2" +/-	B	N/A	B	B	N/A	B	
N209	A	3'2-1/4" x 5' 10-1/2" +/-	B	B	B	B	B	B	
N210	A	3'2-1/4" x 5' 10-1/2" +/-	B	B	B	B	B	B	
N301	B	3'2-1/4" x 5' 0-1/2" +/-	A	B	B	B	B	B	replace sash cords
N302	B	3'2-1/4" x 5' 0-1/2" +/-	B	B	B	B	B	B	tighten sash joints
N303	B	3'2-1/4" x 5' 0-1/2" +/-	B	B	B	B	B	B	repoint masonry at sill
N304	B	3'2-1/4" x 5' 0-1/2" +/-	B	B	B	B	B	B	
N305	B	3'2-1/4" x 5' 0-1/2" +/-	B	B	B	B	B	B	
N306	B	3'2-1/4" x 5' 0-1/2" +/-	B	B	B	B	B	B	provide new sash cords
N307	B	3'2-1/4" x 5' 0-1/2" +/-	B	B	B	B	B	B	
N308	B	3'2-1/4" x 5' 0-1/2" +/-	C	B	B	C	B	B	broken lite
N309	B	3'2-1/4" x 5' 0-1/2" +/-	B	B	B	B	B	B	
N310	B	3'2-1/4" x 5' 0-1/2" +/-	B	B	C	B	B	C	replace sill knots with dutchman

EAST ELEVATION

			CONDITION GRADE			RESTORATION TREATMENT			
WINDOW	TYPE	NOM. OPENING SIZE	SASH	INTERIOR	EXTERIOR	SASH	INTERIOR	EXTERIOR	NOTES
E101	G	4' 1" x 6' 0" +/-	N/A	N/A	N/A	N/A	N/A	N/A	boiler addition; louvered
E102	H	4' 1" x 6' 0" +/-	N/A	N/A	N/A	N/A	N/A	N/A	boiler addition; bricked
E201	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Bricked/covered by boiler addition
E202	C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Bricked/covered by boiler addition
E203	A	3'2-1/4" x 5' 10-1/2" +/-	A	B	B	B	B	B	left cord is not attached to weight
E204	A	3'2-1/4" x 5' 10-1/2" +/-	C	B	C	C	B	C	lower sash bottom rail repairs broken lite
E205	A	3'2-1/4" x 5' 10-1/2" +/-	C	B	B	C	B	B	two new lites (replace plexi)
E206	A	3'2-1/4" x 5' 10-1/2" +/-	C	B	C	C	B	C	damage at stile/rail, upper sash
E301	B	3'2-1/4" x 5' 0-1/2" +/-	A	B	C	B	B	C	replace parting beads
E302	B	3'2-1/4" x 5' 0-1/2" +/-	A	B	C	B	B	C	resecure pulley cartridge heavily weathered sill
E303	E	3'2-1/4" x 5' 0-1/2" +/-	N/A	N/A	B	N/A		B	louver with exhaust pipe
E304	E	3'2-1/4" x 5' 0-1/2" +/-	N/A	N/A	B	N/A		B	louver
E305	B	3'2-1/4" x 5' 0-1/2" +/-	C	N/A	C	C	N/A	C	missing lites (2) environmental monitor mounted to ext trim
E306	E	3'2-1/4" x 5' 0-1/2" +/-	N/A	N/A	N/A	N/A	N/A	N/A	exhaust hood
E307	B	3'2-1/4" x 5' 0-1/2" +/-	A	B	B	A	B	B	
E308	B	3'2-1/4" x 5' 0-1/2" +/-	C	B	D	C	B	D	broken lite poor sill condition, loose knots, replace

SOUTH ELEVATION

			CONDITION GRADE			RESTORATION TREATMENT			
WINDOW	TYPE	NOM. OPENING SIZE	SASH	INTERIOR	EXTERIOR	SASH	INTERIOR	EXTERIOR	NOTES
S101	D	4' 6" x 7' 1" +/-	N/A	N/A	B	N/A	N/A	B	condensate lines routed through sill
S102	F	4' 1" x 6' 0" +/-	C	N/A	D	C	N/A	D	heavily checked sill - REPLACE re-pin stiles & rails; dutchman at joints
S103	F	4' 1" x 6' 0" +/-	C	N/A	C	C	N/A	C	two broken lites re-pin stiles & rails; dutchman at joints dutchman repairs at sill and brick mold
S201	A	3' 2-1/4" x 5' 10-1/2" +/-	D	N/A	C	D	N/A	C	heavily checked sill replace bottom rail lower sash archive space; rigid foam at interior
S202	A	3' 2-1/4" x 5' 10-1/2" +/-	C	N/A	C	C	N/A	C	re-pin stiles & rails lower sash raised to allow for AC port archive space; rigid foam at interior
S203	E	3' 2-1/4" x 5' 10-1/2" +/-	N/A	N/A	N/A	N/A	N/A	N/A	exhaust panel
S204	C	3' 2-1/4" x 5' 10-1/2" +/-	N/A	N/A	N/A	N/A	N/A	N/A	brick
S205	C	3' 2-1/4" x 5' 10-1/2" +/-	N/A	N/A	N/A	N/A	N/A	N/A	brick
S206	C	3' 2-1/4" x 5' 10-1/2" +/-	N/A	N/A	N/A	N/A	N/A	N/A	brick
S207	C	3' 2-1/4" x 5' 10-1/2" +/-	N/A	N/A	N/A	N/A	N/A	N/A	brick
S208	C	3'2-1/4" x 5' 10-1/2" +/-	N/A	N/A	N/A	N/A	N/A	N/A	brick
S301	B	3' 2-1/4" x 5' 0-1/2" +/-	A	B	C	A	B	C	heavily checked sill
S302	B	3' 2-1/4" x 5' 0-1/2" +/-	A	B	C	A	B	C	filler piece under sill
S303	E	3' 2-1/4" x 5' 0-1/2" +/-	N/A	N/A	N/A	N/A	N/A	N/A	exhaust panel
S304	B	3' 2-1/4" x 5' 0-1/2" +/-	A	B	B	B	B	B	replace parting beads
S305	B	3' 2-1/4" x 5' 0-1/2" +/-	A	B	C	B	B	B	replace sash cords
S306	B	3' 2-1/4" x 5' 0-1/2" +/-	A	B	B	A	B	B	no interior storm some glass is crazed; some is figured
S307	B	3' 2-1/4" x 5' 0-1/2" +/-	A	B	B	B	B	B	replace sash cords replace parting beads
S308	B	3' 2-1/4" x 5' 0-1/2" +/-	A	B	B	B	B	B	replace parting beads

SASH RESTORATION GENERAL NOTES

1. A TREATMENT SCOPE
   - A. NO WORK REQUIRED
2. B TREATMENT SCOPE
   - A. REMOVE SASH FOR SHOP RESTORATION.
   - B. PROVIDE AND INSTALL PROTECTION OF OPENING WHILE SASH HAS BEEN REMOVED.
   - C. LABEL EACH PIECE OF GLASS ON EXTERIOR FACE TO ENSURE EACH PIECE IS RETURNED TO ITS ORIGINAL LOCATION.
   - D. USING STEAM SYSTEM, REMOVE GLAZING PUTTY WITH CARE TO AVOID BREAKING GLASS.
   - E. REMOVE ALL PAINT AT THE INTERIOR AND EXTERIOR USING GENTLEST MEANS POSSIBLE. PAINT REMOVAL WILL BE FACILITATED WITH SAME STEAM SYSTEM USED FOR GLAZING PUTTY REMOVAL. SASH SHALL NOT BE "DIPPED" IN A CAUSTIC BATH.
   - F. AFTER STEAMING, ALLOW SASH TO DRY FOR MINIMUM 48 HOURS PRIOR TO ANY PAINTING ACTIVITIES INCLUDING SANDING PREPARATION.
   - G. CLEAN ALL GLAZING RABBETS OF ALL OLD PAINT, PUTTY, AND GLAZING POINTS WITH A CARBIDE SCRAPER TO ENSURE SMOOTH BEDDING PLANES FOR SEATING THE GLASS.
   - H. IDENTIFY AREAS REQUIRING REPAIRS AND PROCEED WITH REPAIR TREATMENT BELOW.
     - i) C TREATMENT SCOPE
       - a. DISASSEMBLE STILES AND RAILS
       - b. REPAIR FAILED MORTISE AND TENON ELEMENTS WITH DUTCHMEN AS NECESSARY.
       - c. RE-ASSEMBLE STILES AND RAILS USING TAPERED WOOD PINS IN A DRAW BORE FASHION. NO METAL FASTENERS OR GLUES ARE TO BE USED IN RE-ASSEMBLY OF THE SASH.
     - ii) D TREATMENT SCOPE
       - a. REPAIR STILES, RAILS, AND MUNTINS EXHIBITING DETERIORATION WITH DUTCHMEN MATCHING EXISTING DIMENSIONS AND PROFILES.
       - b. IF TENONS ARE REPAIRED, ENSURE TENON IS MINIMUM OF 1" LONG TO ALLOW FOR PINNING.
       - c. IF DETERIORATION IS GREATER THAN 25% OF SASH ELEMENT, REPLACE FULL STILE, RAIL, OR MUNTIN MATCHING EXISTING DIMENSIONS AND PROFILES.
       - d. MUNTINS SHALL HAVE STUB TENONS SET INTO MORTISES IN STILES/RAILS AND COPED TO JOIN THE PROFILES. MUNTINS SHALL NOT BE NAILED INTO STILES/RAILS.
   - I. RE-ASSEMBLE SASH FRAME USING TAPERED WOOD PINS IN A DRAW BORE FASHION. NO METAL FASTENERS OR GLUES ARE TO BE USED IN RE-ASSEMBLY OF THE SASH.
3. PREP AND PRIME SASH, INTERIOR AND EXTERIOR, INCLUDING THE GLAZING RABBETS. INITIAL "PRIMER" COAT OF PAINT TO BE THINNED FINISH PAINT (30% LINSEED OIL PAINT : 70% RAW LINSEED OIL, BY VOLUME).
4. REINSTALL GLASS
   - A. CREATE A BED OF PUTTY (UP TO 1/8" THICK) ON GLAZING RABBET USING TRADITIONAL LINSEED OIL AND CALCIUM CARBONATE GLAZING PUTTY.
   - B. CAREFULLY PRESS CLEAN GLASS INTO PUTTY BED AND ENSURE FULL SEAL AROUND GLASS AS VIEWED FROM INTERIOR OF SASH. GLASS SHOULD BE RETURNED TO ORIGINAL LOCATION; NEW GLASS TO BE CUT TO FIT LOCATIONS WHERE GLASS WAS BROKEN.
   - C. INSERT GLAZING POINTS. GLAZING POINTS TO BE SIZED SO THAT THEY DO NOT EXTEND BEYOND FACE OF FINISHED GLAZING PUTTY.
   - D. APPLY A BEVELED LINE OF GLAZING PUTTY AT EXTERIOR OF SASH TO SEAL GLASS. LINE OF GLAZING PUTTY SHOULD NOT BE VISIBLE FROM INTERIOR OF SASH.
   - E. ALLOW PUTTY TO CURE IN DRY SHOP CONDITIONS FOR 5–7 DAYS. CLEAN GLASS OF ALL PUTTY RESIDUE AND FINGERPRINTS PRIOR TO PAINTING.
5. APPLY FINISH PAINT.
   - A. APPLY FIRST COAT OF LINSEED OIL FINISH PAINT TO EXTERIOR OF SASH. PAINT SHOULD BE APPLIED TO FACE OF GLAZING PUTTY BEVEL AND LAP ONTO GLASS NO MORE THAN 1/16". PAINT LINE WILL BE JUST VISIBLE WHEN VIEWED FROM THE INTERIOR. CARE SHOULD BE TAKEN TO APPLY THE PAINT SO THAT NO RAZOR CLEAN UP IS DONE TO CORRECT THE PAINT LINE.
   - B. FOLLOWING MANUFACTURER'S REQUIREMENTS FOR CURING BETWEEN COATS, APPLY SECOND COAT OF LINSEED OIL FINISH PAINT TO EXTERIOR OF SASH USING SAME METHOD AS DESCRIBED ABOVE.
   - C. REPEAT TWO COATS OF LINSEED OIL FINISH PAINT TO INTERIOR OF SASH, FOLLOWING SAME REQUIREMENTS FOR CURING.
6. REINSTALL SASH TO ORIGINAL OPENING.
   - A. REUSE INTERIOR STOPS THAT ARE OF SOUND CONDITION; REPLACE INTERIOR STOPS THAT ARE MISSING OR DAMAGED BEYOND REPAIR.
   - B. REPLACE ALL PARTING BEADS.
   - C. REPLACE ALL SASH CORD.
   - D. SECURE SASH IN PLACE WITH EXTERIOR BLIND STOP.
   - E. TOUCH UP ALL PAINT DAMAGED DURING INSTALLATION.
   - F. CLEAN ANY FINGERPRINTS OR PAINT ON GLASS AFTER INSTALLATION.

WINDOW MOLDING GENERAL NOTES

1. A TREATMENT SCOPE
   - a. NO WORK REQUIRED
2. B TREATMENT SCOPE
   - a. CLEAN OUT OLD SEALANT AND MORTAR DEBRIS BEHIND MOLDING.
   - b. RESECURE ANY LOOSE MOLDING PIECES WITH STAINLESS STEEL FINISH NAILS.
   - c. FOR MOLDING REPAIRS, REFER TO STEP 2 & 3 BELOW FOR GRADE C AND GRADE D REPAIRS.
   - d. PROVIDE PROTECTION TO ENSURE NO PAINT ON SURROUNDING MASONRY ELEMENTS (BRICK, GRANITE, CAST STONE).
   - e. PREP, PRIME, PAINT ALL MOLDINGS.
   - f. SEAL JOINT BETWEEN MOLDING AND MASONRY WITH SILICONIZED CAULK TO MATCH PAINT COLOR.
3. C TREATMENT SCOPE
   - B TREATMENT PLUS
   - a. REMOVE DAMAGED MOLDING WITH INTENT TO REPAIR MOLDING WITH DUTCHMAN MATCHING PROFILES AND DIMENSIONS.
   - b. DUTCHMAN SHOULD BE A HALF-LAP SPLICE WITH MINIMUM 3" OVERLAP TO REMAINING SECTION. DUTCHMAN SHOULD BE ANGLED TO SHED WATER. ADHESIVE TO BE WEST SYSTEM EPOXY OR APPROVED EQUIVALENT.
   - c. RE-INSTALL MOLDING WITH STAINLESS STEEL FINISH NAILS SECURED TO UNDERLYING WINDOW FRAME.
   - d. SILL TREATMENT SHALL USE FLEXIBLE EPOXY FOR CONSOLIDATION AND FILL OF HEAVILY WEATHERED SILLS.
4. D TREATMENT SCOPE
   - B TREATMENT PLUS
   - MAY INCLUDE LEVEL C REPAIRS WHERE NOTED IN SCHEDULE
   - a. REMOVE AND REPLACE DETERIORATED OR MISSING MOLDING ELEMENTS. NEW MOLDING TO MATCH EXISTING IN DIMENSION AND PROFILES.
   - b. PRIME AND ONE COAT FINISH PAINT FOR NEW WORK BEFORE INSTALLATION.
   - c. RE-INSTALL MOLDING WITH STAINLESS STEEL FINISH NAILS SECURED TO UNDERLYING WINDOW FRAME.
   - d. FINAL PAINT COAT AFTER INSTALLATION.

2 4 8
SCALE OF FEET

A/E FIRM PRIME: SCHWARTZ/SILVER ARCHITECTS, INC. BOSTON, MA SUBCONTRACTOR: BUILDING CONSERVATION ASSOCIATES, INC. NEWTON CENTRE, MA	DESIGNED: CADD: TECH. REVIEW: DATE: 02/10/2025	SUB SHEET NO. A6.1	TITLE OF SHEET BUILDING 22 WINDOW REPAIR SCHEDULE RESTORE EXTERIOR WINDOWS & DOORS USS CONSTITUTION MUSEUM	DRAWING NO. 457 194598 PKG. NO. 246267 SHEET 22 OF 27

DOOR ASSESSMENT AND TREATMENT

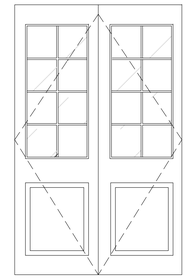
DOOR	TYPE	OPERATION	CONDITION GRADE	RESTORATION TREATMENT	NOTES
WD101	A	OUTSWING	B	B	
WD102	A	OUTSWING	B	B	outswing pair of primary entrance (WD102)
WD103	A	INSWING	B	B	inswing pair of primary entrance (WD103)
WD104	B	OUTSWING	B	B	
SD101	C	OUTSWING	B	B	
SD102	D	OUTSWING	C	C	cast stone head needs repairs
ED101	E	FIXED	B	B	fixed door - no function
ED102	F	OUTSWING	B	B	small access door for utility room
ED102	G	OUTSWING	C	C	double door to cellar

DOOR RESTORATION GENERAL NOTES

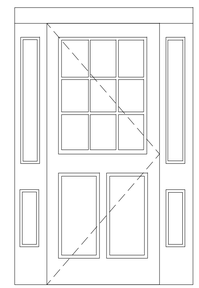
1. A TREATMENT SCOPE
   a. NO WORK REQUIRED.
2. B TREATMENT SCOPE
   APPLIES TO ALL DOORS. DOORS REQUIRING ADDITIONAL REPAIRS, INCLUDE C TREATMENT STEPS BELOW.
   a. REMOVE DOORS FOR SHOP BASED RESTORATION.
   b. PROVIDE AND INSTALL PROTECTION FOR THE DOOR OPENING. TEMPORARY DOORS MUST BE FULLY OPERATIONAL WHILE ORIGINAL DOOR IS REMOVED FOR RESTORATION.
   c. IF DOOR HAS GLASS PANELS, REMOVE GLAZING PUTTY WITH CARE TO AVOID BREAKING GLASS. THE USE OF STEAM SYSTEMS IS REQUIRED TO SOFTEN GLAZING PUTTY AND MINIMIZE GLASS BREAKAGE.
   d. REMOVE ALL PAINT AT THE INTERIOR AND EXTERIOR USING GENTLEST MEANS POSSIBLE. DOORS SHALL NOT BE "DIPPED" IN A CAUSTIC BATH.
   e. IDENTIFY AREAS REQUIRING REPAIRS AND PROCEED WITH REPAIR TREATMENT FOR GRADE C BELOW.
   f. USE FLEXIBLE EPOXY FOR FILL ALL CHECKS, CRACKS, SPLITS, ETC.
   g. IF APPROPRIATE, REINSTALL GLASS.
   h. PRIME AND FINISH PAINT BOTH SIDES OF DOOR.
   i. INSTALL DOOR AND CONFIRM SMOOTH FUNCTION OF DOOR AND HARDWARE.
2. C TREATMENT SCOPE
   WORK BELOW TO BE IN ADDITION TO WORK OF B TREATMENT
   a. DISMANTLE DOOR INTO STILE AND RAIL COMPONENTS.
   b. REPAIR MORTISE AND TENON JOINERY TO ENSURE SOLID CONNECTION.
   c. REASSEMBLE STILES AND RAILS, USING TAPERED WOOD PINS AND A DRAW BORE TO ENSURE SOLID CONNECTION.
   d. PREP, PRIME, PAINT FOLLOWING BASE TREATMENT ABOVE.

DOOR TYPES

TYPE A



TYPE B



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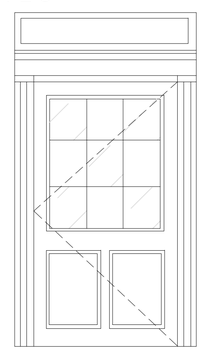

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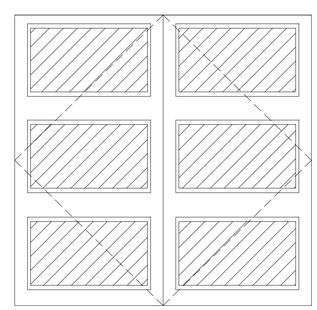

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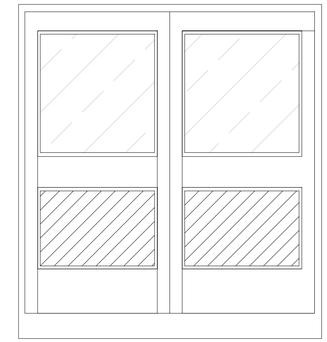

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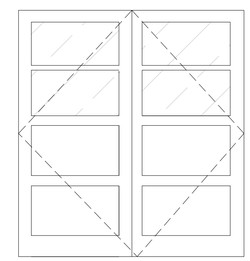
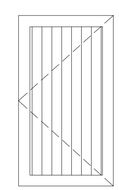


TYPE G - outswing



2 4 8
SCALE OF FEET

A/E FIRM PRIME: SCHWARTZ/SILVER ARCHITECTS, INC. BOSTON, MA SUBCONTRACTOR: BUILDING CONSERVATION ASSOCIATES, INC. NEWTON CENTRE, MA	DESIGNED: CADD: TECH. REVIEW: DATE: 02/10/2025	SUB SHEET NO. A6.2	TITLE OF SHEET BUILDING 22 DOOR REPAIR SCHEDULE RESTORE EXTERIOR WINDOWS & DOORS USS CONSTITUTION MUSEUM

DRAWING NO. 457 194598
PKG. NO. 246267
SHEET 23 OF 27

MASONRY RESTORATION GENERAL NOTES

1. MASONRY REPAIRS NOTED ONLY WHERE THEY ARE LOCATED ADJACENT TO WINDOWS AND DOORS
2. REFER TO SHEETS A2.1 THRU A2.8 FOR SPECIFIC ELEVATION LOCATIONS
3. REPOINT MASONRY JOINTS BEHIND ALL BRICK MOLD AT WINDOWS AND DOORS.
4. REPOINT ADDITIONAL MASONRY JOINTS WHERE SPECIFIED ON SHEETS.
5. REMOVE AND REPLACE SEALANTS BETWEEN WOOD AND MASONRY OPENINGS.

MASONRY RESTORATION SHEET KEYNOTES & LEGEND

X# TREATMENT CODE
X-#### TREATMENT ID

G = GRANITE
CS = CAST STONE
B = BRICK

GRANITE RESTORATION

- G1 — REPOINT DETAIL A5.6/1
- G2 — REPAIR CRACK – GROUT DETAIL A5.6/2
- G3 — REPAIR CRACK – PIN & GROUT DETAIL A5.6/2 and A5.6/3
- G4 — DUTCHMAN REPAIR DETAIL A5.6/4
- G5 — REMOVE PREVIOUS PATCH; PROVIDE AND INSTALL NEW DUTCHMAN DETAIL A5.6/4

CAST STONE RESTORATION

- CS1 — REPOINT DETAIL A5.6/1
- CS2 — REPAIR CRACK – GROUT DETAIL A5.6/2
- CS3 — REPAIR CRACK – PIN & GROUT DETAIL A5.6/2 and A5.6/3
- CS4 — CEMENTITIOUS PATCH TO MATCH DETAIL A5.6/5, A5.6/6
- CS5 — REPLACE UNIT; MATCH EXISTING
- CS6 — CLEAN RUSTED REBAR COAT REBAR WITH RUST INHIBITING PAINT PREP & PATCH CAST STONE DETAIL A5.6/5, A5.6/6, A5.6/7

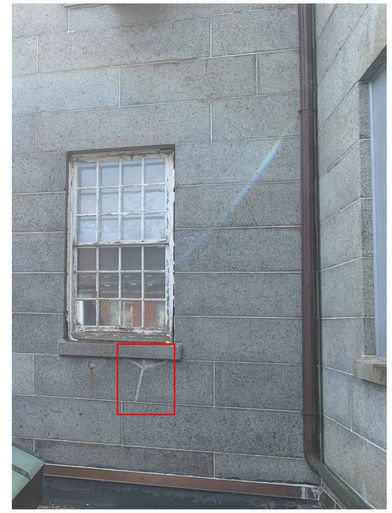
BRICK RESTORATION

- B1 — REPOINT BRICK AREA DETAIL A5.6/1
- B2 — REBUILD BRICK AREA
- B3 — BRICK UNIT REPLACEMENT (#)

MASONRY REPAIR QUANTITIES

NUMBER	CODE	UNIT	SIZE
E-1001	G2	LF	1.00
E-1002	G2	LF	2.00
S-1003	B1	LF	1.00
S-1003	B3	EA	1.00
S-1004	B1	SF	1.00
S-1005	B1	SF	1.00
S-1007	G1	LF	1.00
S-1006	CS3	LF	9.00
W-1008	G1	LF	1.00
W-1009	G1	LF	1.00
W-1010	G1	LF	2.00
W-1011	G1	LF	1.00
W-1012	G1	LF	1.00
W-1013	G1	LF	1.00
W-1014	G1	LF	1.00
W-1015	G1	LF	1.00
W-1016	G1	LF	1.00
W-1017	G3	LF	1.00
W-1018	G1	LF	1.00
W-1019	G1	LF	1.00
N-1020	G1	LF	2.00
N-1021	G1	LF	2.00

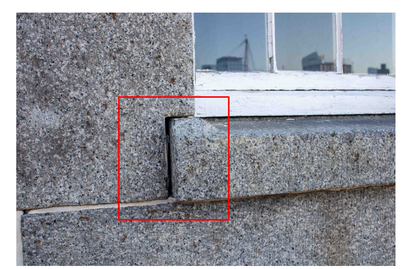
SAMPLING OF MASONRY CONDITIONS ADJACENT TO WINDOWS AND DOORS



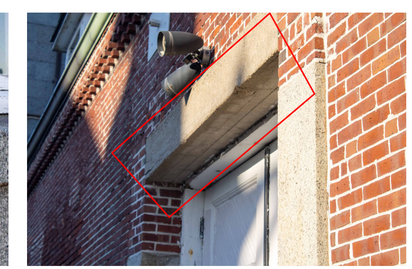
E204 Cracked granite filled with sealant

W305 Cracked granite block and mortar loss

N203 Areas of mortar loss



W106 Area of mortar loss



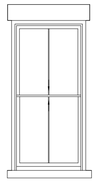
SD102 Cracks in cast stone lintel

2 4 8
SCALE OF FEET

A/E FIRM	DESIGNED:	SUB SHEET NO.	TITLE OF SHEET	DRAWING NO.
PRIME: SCHWARTZ/SILVER ARCHITECTS, INC. BOSTON, MA SUBCONTRACTOR: BUILDING CONSERVATION ASSOCIATES, INC. NEWTON CENTRE, MA	CADD: TECH. REVIEW: DATE: 02/10/2025	A6.3	BUILDING 22 MASONRY REPAIR SCHEDULE RESTORE EXTERIOR WINDOWS & DOORS USS CONSTITUTION MUSEUM	457 194598 PKG. NO. 246267 SHEET 24 OF 27

WINDOW TYPES

TYPE A



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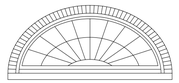

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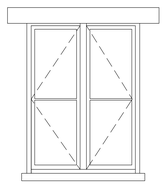
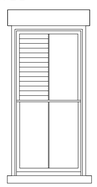
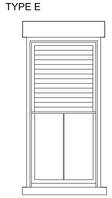


TYPE D

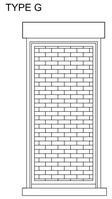


TYPE E



TYPE F

TYPE G



WEST ELEVATION

			CONDITION GRADE			RESTORATION TREATMENT			
WINDOW	TYPE	NOM. OPENING SIZE	SASH	INTERIOR	EXTERIOR	SASH	INTERIOR	EXTERIOR	NOTES
W101	A	3' 11" x 7' 10" +/-	C	N/A	B	REPLACE	N/A	B	
W102	A	3' 11" x 7' 10" +/-	C	N/A	B	REPLACE	N/A	B	
W103	G	3' 11" x 7' 10" +/-	N/A	N/A	N/A	N/A	N/A	N/A	bricked up within stairway
W104	A	3' 11" x 7' 10" +/-	C	N/A	B	REPLACE	N/A	B	
W105	A	3' 11" x 7' 10" +/-	C	N/A	B	REPLACE	N/A	B	paint loss on bottom rail may indicate additional detrioration
W106	A	3' 11" x 7' 10" +/-	C	N/A	B	REPLACE	N/A	B	lower sash bottom rail failure ferrous fasteners on brick mold
W107	A	3' 11" x 7' 10" +/-	D	N/A	B	REPLACE	N/A	B	upper sash boarded up, appears broken glass and bottom rail failure
W201	A	3' 11" x 7' 10" +/-	D	N/A	B	REPLACE	N/A	B	replace bottom rail
W202	A	3' 11" x 7' 10" +/-	C	N/A	B	REPLACE	N/A	B	significant deterioration at lower left jamb
W203	A	3' 11" x 7' 10" +/-	D	N/A	C	REPLACE	N/A	C	significant lower sash failure - rail and stiles
W204	A	3' 11" x 7' 10" +/-	D	N/A	B	REPLACE	N/A	B	replace bottom rail, lower sash
W205	A	3' 11" x 7' 10" +/-	D	N/A	B	REPLACE	N/A	B	modified due to stairway
W206	A	3' 11" x 7' 10" +/-	C	N/A	C	REPLACE	N/A	C	bottom rail of upper sash appears compromised
W207	A	3' 11" x 7' 10" +/-	D	N/A	B	REPLACE	N/A	B	bottom rail, lower sash is missing bottom rail of upper sash appears compromise right stile upper sash deteriorated"
W208	A	3' 11" x 7' 10" +/-	C	N/A	D	REPLACE	N/A	D	appears to be missing blind stops
W209	E	3' 11" x 7' 10" +/-	D	N/A	C	REPLACE	N/A	C	replace bottom rail, lower sash
W210	A	3' 11" x 7' 10" +/-	D	N/A	C	REPLACE	N/A	C	possibly broken IGU behind plywood broken IGU, lower left sill heavily checked/soft

EAST ELEVATION

			CONDITION GRADE			RESTORATION TREATMENT			
WINDOW	TYPE	NOM. OPENING SIZE	SASH	INTERIOR	EXTERIOR	SASH	INTERIOR	EXTERIOR	NOTES
E101	F	3' 11" x 7' 10" +/-	N/A	N/A	N/A	N/A	N/A	C	right brick mold damaged
E102	A	3' 11" x 7' 10" +/-	C	N/A	B	REPLACE	N/A	B	poster blocks access; assume condition
E103	A	3' 11" x 7' 10" +/-	C	N/A	B	REPLACE	N/A	B	poster blocks access; assume condition
E104	D	3' 11" x 7' 10" +/-	C	N/A	B	REPLACE	N/A	B	lower sash bottom rail cracking
E105	A	3' 11" x 7' 10" +/-	C	N/A	B	REPLACE	N/A	B	poster blocks access; assume condition
E201	A	3' 11" x 7' 10" +/-	D	N/A	B	REPLACE	N/A	B	replace bottom rail
E202	A	3' 11" x 7' 10" +/-	C	N/A	C	REPLACE	N/A	C	replace right brick mold
E203	A	3' 11" x 7' 10" +/-	C	N/A	C	REPLACE	N/A	C	repair left stile repair left brick mold
E204	A	3' 11" x 7' 10" +/-	C	N/A	B	REPLACE	N/A	B	upper sash muntin damaged
E205	A	3' 11" x 7' 10" +/-	C	N/A	B	REPLACE	N/A	B	
E206	A	3' 11" x 7' 10" +/-	C	N/A	B	REPLACE	N/A	B	upper sash muntin damaged
E207	A	3' 11" x 7' 10" +/-	C	N/A	B	REPLACE	N/A	B	
E208	E	3' 11" x 7' 10" +/-	C	N/A	B	REPLACE	N/A	B	
E209	A	3' 11" x 7' 10" +/-	D	N/A	B	REPLACE	N/A	B	replace bottom rail, lower sash
E210	A	3' 11" x 7' 10" +/-	D	N/A	B	REPLACE	N/A	B	replace bottom rail lower sash

NORTH ELEVATION

			CONDITION GRADE			RESTORATION TREATMENT			
WINDOW	TYPE	NOM. OPENING SIZE	SASH	INTERIOR	EXTERIOR	SASH	INTERIOR	EXTERIOR	NOTES
N101	A	3' 11" x 7' 10" +/-	C	N/A	B	REPLACE	N/A	B	covered up at interior
N102	A	3' 11" x 7' 10" +/-	D	B	B	REPLACE	B	B	two broken panes at exterior, IGU pulleys, but no weights right stile at bottom rail failed
N201	A	3' 11" x 7' 10" +/-	C	B	C	REPLACE	B	C	bottom rail issues left blind stop missing
N202	C	"2' 9"" x 7' 10"" +/- each casement"	D	C	C	REPLACE	B	C	bottom rail failed at left casement bracket repair for right casement overall structure failing; glass dropping
N203	A	3' 11" x 7' 10" +/-	D	N/A	C	REPLACE	N/A	C	failed bottom rail, lower sash
N301	B	7' 0" x 3' 0-1/4"+/-	C	N/A	C	C	N/A	C	muntins nailed into bottom block arched frame and sash have open joints at splices

SOUTH ELEVATION

			CONDITION GRADE			RESTORATION TREATMENT			
WINDOW	TYPE	NOM. OPENING SIZE	SASH	INTERIOR	EXTERIOR	SASH	INTERIOR	EXTERIOR	NOTES
S101	A	3' 11" x 7' 10" +/-	C	N/A	B	REPLACE	N/A	B	
S102	A	3' 11" x 7' 10" +/-	C	N/A	B	REPLACE	N/A	B	bottom rail upper sash dropping
S103	A	3' 11" x 7' 10" +/-	C	N/A	B	REPLACE	N/A	B	bottom rail upper sash dropping
S201	A	3' 11" x 7' 10" +/-	C	N/A	B	REPLACE	N/A	B	Broken lite, upper sash, right
S202	A	3' 11" x 7' 10" +/-	C	N/A	C	REPLACE	N/A	C	sill appears heavily weathered; no lift access
S203	A	3' 11" x 7' 10" +/-	C	N/A	C	REPLACE	N/A	C	no lift access
S204	A	3' 11" x 7' 10" +/-	C	N/A	C	REPLACE	N/A	C	no lift access
S301	B	7' 0" x 3' 0-1/4"+/-	C	N/A	D	C	N/A	D	no lift access sill appears to be loose and angled into opening curved brick mold is failing at joints

SASH RESTORATION GENERAL NOTES

1. SASH RESTORATION LIMITED TO FAN LIGHTS AT GABLE ENDS
2. ALL OTHER WINDOW OPENINGS TO BE FITTED WITH CUSTOM REPLACEMENT SASH.
3. RESTORATION SCOPE
   - A. REMOVE FAN LIGHT SASH FOR SHOP RESTORATION.
   - B. PROVIDE AND INSTALL PROTECTION OF OPENING WHILE SASH HAS BEEN REMOVED.
   - C. LABEL EACH PIECE OF GLASS ON EXTERIOR FACE TO ENSURE EACH PIECE IS RETURNED TO ITS ORIGINAL LOCATION.
   - D. USING STEAM SYSTEM, REMOVE GLAZING PUTTY WITH CARE TO AVOID BREAKING GLASS.
   - E. REMOVE ALL PAINT AT THE INTERIOR AND EXTERIOR USING GENTLEST MEANS POSSIBLE. PAINT REMOVAL WILL BE FACILITATED WITH SAME STEAM SYSTEM USED FOR GLAZING PUTTY REMOVAL. SASH SHALL NOT BE "DIPPED" IN A CAUSTIC BATH.
   - F. AFTER STEAMING, ALLOW SASH TO DRY FOR MINIMUM 48 HOURS PRIOR TO ANY PAINTING ACTIVITIES INCLUDING SANDING PREPARATION.
   - G. CLEAN ALL GLAZING RABBETS OF ALL OLD PAINT, PUTTY, AND GLAZING POINTS WITH A CARBIDE SCRAPER TO ENSURE SMOOTH BEDDING PLANES FOR SEATING THE GLASS.
   - H. IDENTIFY AREAS REQUIRING REPAIRS AND PROCEED WITH REPAIR TREATMENT BELOW.
     - a. DISASSEMBLE SASH FRAME IF NECESSARY FOR REPAIRS.
     - b. REPAIR FAILED CURVED WORK AND MORTISE AND TENON ELEMENTS WITH DUTCHMEN AS NECESSARY.
     - d. REPAIR ELEMENTS EXHIBITING DETERIORATION WITH DUTCHMEN MATCHING EXISTING DIMENSIONS AND PROFILES.
     - e. IF DETERIORATION IS GREATER THAN 25% OF SASH ELEMENT, REPLACE FULL ELEMENT MATCHING EXISTING DIMENSIONS AND PROFILES.
     - f. MUNTINS SHALL HAVE STUB TENONS SET INTO MORTISES IN STILES/RAILS AND COPED TO JOIN THE PROFILES. MUNTINS SHALL NOT BE NAILED INTO STILES/RAILS.
     - g. RE-ASSEMBLE SASH FRAME USING TAPERED WOOD PINS IN A DRAW BORE FASHION. NO METAL FASTENERS OR GLUES ARE TO BE USED IN RE-ASSEMBLY OF THE SASH.
   - I. PREP AND PRIME SASH, INTERIOR AND EXTERIOR, INCLUDING THE GLAZING RABBETS. INITIAL "PRIMER" COAT OF PAINT TO BE THINNED FINISH PAINT (30% LINSEED OIL PAINT : 70% RAW LINSEED OIL, BY VOLUME).
   - J. CREATE A BED OF PUTTY (UP TO 1/8" THICK) ON GLAZING RABBET USING TRADITIONAL OIL AND CALCIUM CARBONATE GLAZING PUTTY.
   - K. CAREFULLY PRESS CLEAN GLASS INTO PUTTY BED AND ENSURE FULL SEAL AROUND GLASS AS VIEWED FROM INTERIOR OF SASH. GLASS SHOULD BE RETURNED TO ORIGINAL LOCATION; NEW GLASS TO BE CUT TO FIT LOCATIONS WHERE GLASS WAS BROKEN.
   - L. INSERT GLAZING POINTS. GLAZING POINTS TO BE SIZED SO THAT THEY DO NOT EXTEND BEYOND FACE OF FINISHED GLAZING PUTTY.
   - M. APPLY A BEVELED LINE OF PUTTY AT EXTERIOR OF SASH TO SEAL GLASS. LINE OF PUTTY SHOULD NOT BE VISIBLE FROM INTERIOR OF SASH.
   - N. ALLOW PUTTY TO CURE IN DRY SHOP CONDITIONS FOR 5-7 DAYS. CLEAN GLASS OF ALL PUTTY RESIDUE AND FINGERPRINTS PRIOR TO PAINTING.
   - O. APPLY FIRST COAT OF LINSEED OIL FINISH PAINT TO EXTERIOR OF SASH. PAINT SHOULD BE APPLIED TO FACE OF GLAZING PUTTY BEVEL AND LAP ONTO GLASS NO MORE THAN 1/16". PAINT LINE WILL BE JUST VISIBLE WHEN VIEWED FROM THE INTERIOR. CARE SHOULD BE TAKEN TO APPLY THE PAINT SO THAT NO RAZOR CLEAN UP IS DONE TO CORRECT THE PAINT LINE.
   - P. FOLLOWING MANUFACTURER'S REQUIREMENTS FOR CURING BETWEEN COATS, APPLY SECOND COAT OF LINSEED OIL FINISH PAINT TO EXTERIOR OF SASH USING SAME METHOD AS DESCRIBED ABOVE.
   - Q. REPEAT TWO COATS OF LINSEED OIL FINISH PAINT TO INTERIOR OF SASH, FOLLOWING SAME REQUIREMENTS FOR CURING.
   - R. REINSTALL SASH TO ORIGINAL OPENING.
   - S. REUSE INTERIOR STOPS THAT ARE OF SOUND CONDITION; REPLACE INTERIOR STOPS THAT ARE MISSING OR DAMAGED BEYOND REPAIR.
   - T. SECURE SASH IN PLACE WITH EXTERIOR BLIND STOP.
   - U. TOUCH UP ALL PAINT DAMAGED DURING INSTALLATION.
   - V. CLEAN ANY FINGERPRINTS OR PAINT ON GLASS AFTER INSTALLATION.

WINDOW MOLDING GENERAL NOTES

1. A TREATMENT SCOPE
   - a. NO WORK REQUIRED
2. B TREATMENT SCOPE
   - a. CLEAN OUT OLD SEALANT AND MORTAR DEBRIS BEHIND MOLDING.
   - b. RESECURE ANY LOOSE MOLDING PIECES WITH STAINLESS STEEL FINISH NAILS.
   - c. FOR MOLDING REPAIRS, REFER TO STEP 2 & 3 BELOW FOR GRADE C AND GRADE D REPAIRS.
   - d. PROVIDE PROTECTION TO ENSURE NO PAINT ON SURROUNDING MASONRY ELEMENTS (BRICK, GRANITE, CAST STONE).
   - e. PREP, PRIME, PAINT ALL MOLDINGS.
   - f. SEAL JOINT BETWEEN MOLDING AND MASONRY WITH SILICONIZED CAULK TO MATCH PAINT COLOR.
3. C TREATMENT SCOPE
   - B TREATMENT PLUS
   - a. REMOVE DAMAGED MOLDING WITH INTENT TO REPAIR MOLDING WITH DUTCHMAN MATCHING PROFILES AND DIMENSIONS.
   - b. DUTCHMAN SHOULD BE A HALF-LAP SPLICE WITH MINIMUM 3" OVERLAP TO REMAINING SECTION. DUTCHMAN SHOULD BE ANGLED TO SHED WATER. ADHESIVE TO BE WEST SYSTEM EPOXY OR APPROVED EQUIVALENT.
   - c. RE-INSTALL MOLDING WITH STAINLESS STEEL FINISH NAILS SECURED TO UNDERLYING WINDOW FRAME.
   - d. SILL TREATMENT SHALL USE FLEXIBLE EPOXY FOR CONSOLIDATION AND FILL OF HEAVILY WEATHERED SILLS.
4. D TREATMENT SCOPE
   - B TREATMENT PLUS
   - MAY INCLUDE LEVEL C REPAIRS WHERE NOTED IN SCHEDULE
   - a. REMOVE AND REPLACE DETERIORATED OR MISSING MOLDING ELEMENTS. NEW MOLDING TO MATCH EXISTING IN DIMENSION AND PROFILES.
   - b. PRIME AND ONE COAT FINISH PAINT FOR NEW WORK BEFORE INSTALLATION.
   - c. RE-INSTALL MOLDING WITH STAINLESS STEEL FINISH NAILS SECURED TO UNDERLYING WINDOW FRAME.
   - d. FINAL PAINT COAT AFTER INSTALLATION.

2 4 8
SCALE OF FEET

REGISTERED ARCHITECT BRUCE W. SILVER No. 9000 BOSTON MASS. COMMONWEALTH OF MASSACHUSETTS

A/E FIRM PRIME: SCHWARTZ/SILVER ARCHITECTS, INC. BOSTON, MA SUBCONTRACTOR: BUILDING CONSERVATION ASSOCIATES, INC. NEWTON CENTRE, MA	DESIGNED: CADD: TECH. REVIEW: DATE: 02/10/2025	SUB SHEET NO. A6.4	TITLE OF SHEET BUILDING 28 WINDOW REPAIR SCHEDULE RESTORE EXTERIOR WINDOWS & DOORS USS CONSTITUTION MUSEUM

DRAWING NO. 457 194598
PKG. NO. 246267
SHEET 25 OF 27

DOOR ASSESSMENT AND TREATMENT

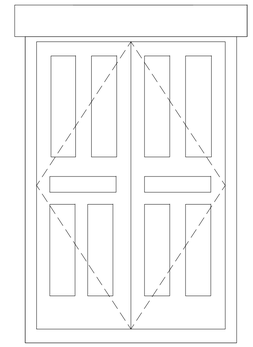
DOOR	TYPE	Operation	CONDITION GRADE	RESTORATION TREATMENT	NOTES
WD101	D	OUTSWING	C	C	
WD102	C	OUTSWING	C	C	inaccessible for survey; assumed condition
WD201	C	OUTSWING	C	C	inaccessible for survey; assumed condition
SD101	D	OUTSWING	C	C	
SD102	D	OUTSWING	B	B	emergency exit
ED101	B	OUTSWING	C	C	
ND101	A	OUTSWING	B	B	emergency exit

DOOR RESTORATION GENERAL NOTES

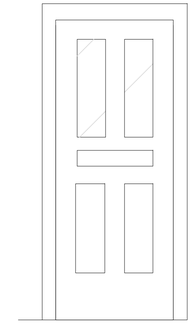
1. A TREATMENT
   a. NO WORK REQUIRED.
2. B TREATMENT
   APPLIES TO ALL DOORS. DOORS REQUIRING ADDITIONAL REPAIRS, INCLUDE C TREATMENT STEPS BELOW.
   a. REMOVE DOORS FOR SHOP BASED RESTORATION.
   b. PROVIDE AND INSTALL PROTECTION FOR THE DOOR OPENING. TEMPORARY DOORS MUST BE FULLY OPERATIONAL WHILE ORIGINAL DOOR IS REMOVED FOR RESTORATION.
   c. IF DOOR HAS GLASS PANELS, REMOVE GLAZING PUTTY WITH CARE TO AVOID BREAKING GLASS. THE USE OF STEAM SYSTEMS IS ENCOURAGED TO SOFTEN GLAZING PUTTY AND MINIMIZE GLASS BREAKAGE.
   d. REMOVE ALL PAINT AT THE INTERIOR AND EXTERIOR USING GENTLEST MEANS POSSIBLE. DOOR SHALL NOT BE "DIPPED" IN A CAUSTIC BATH.
   e. IDENTIFY AREAS REQUIRING REPAIRS AND PROCEED WITH REPAIR TREATMENT FOR GRADE C BELOW.
   f. USING FLEXIBLE EPOXY, FILL ALL CHECKS, CRACKS, SPLITS, ETC.
   g. IF APPROPRIATE, REINSTALL GLASS.
   h. PRIME AND FINISH PAINT BOTH SIDES OF DOOR.
   i. INSTALL DOOR AND CONFIRM SMOOTH FUNCTION OF DOOR AND HARDWARE.
2. C TREATMENT
   WORK BELOW TO BE IN ADDITION TO WORK OF B TREATMENT
   a. DISMANTLE DOOR INTO STILE AND RAIL COMPONENTS.
   b. REPAIR MORTISE AND TENON JOINERY TO ENSURE SOLID CONNECTION.
   c. REASSEMBLE STILES AND RAILS, USING TAPERED WOOD PINS AND A DRAW BORE TO ENSURE SOLID CONNECTION.
   d. PREP, PRIME, PAINT FOLLOWING BASE TREATMENT ABOVE.

DOOR TYPES

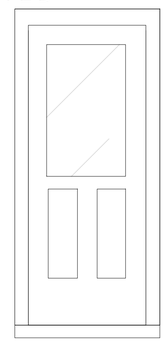
TYPE A



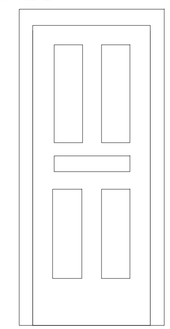
TYPE C



TYPE B



TYPE D



2 4 8
SCALE OF FEET

A/E FIRM PRIME: SCHWARTZ/SILVER ARCHITECTS, INC. BOSTON, MA SUBCONTRACTOR: BUILDING CONSERVATION ASSOCIATES, INC. NEWTON CENTRE, MA	DESIGNED: CADD: TECH. REVIEW: DATE: 02/10/2025 SUB SHEET NO. A6.5	TITLE OF SHEET BUILDING 28 DOOR REPAIR SCHEDULE RESTORE EXTERIOR WINDOWS & DOORS USS CONSTITUTION MUSEUM	DRAWING NO. 457 194598 PKG. NO. 246267 SHEET 26 OF 27

MASONRY RESTORATION GENERAL NOTES

1. MASONRY REPAIRS NOTED ONLY WHERE THEY ARE LOCATED ADJACENT TO WINDOWS AND DOORS
2. REFER TO SHEETS A2.1 THRU A2.8 FOR SPECIFIC ELEVATION LOCATIONS
3. REPOINT MASONRY JOINTS BEHIND ALL BRICK MOLD AT WINDOWS AND DOORS.
4. REPOINT ADDITIONAL MASONRY JOINTS WHERE SPECIFIED ON SHEETS.
5. REMOVE AND REPLACE SEALANTS BETWEEN WOOD AND MASONRY OPENINGS.

MASONRY RESTORATION SHEET KEYNOTES & LEGEND

X# — TREATMENT CODE
X-#### — TREATMENT ID

G = GRANITE
CS = CAST STONE
B = BRICK

GRANITE RESTORATION

- G1 — REPOINT DETAIL A5.6/1
- G2 — REPAIR CRACK – GROUT DETAIL A5.6/2
- G3 — REPAIR CRACK – PIN & GROUT DETAIL A5.6/2 and A5.6/3
- G4 — DUTCHMAN REPAIR DETAIL A5.6/4
- G5 — REMOVE PREVIOUS PATCH; PROVIDE AND INSTALL NEW DUTCHMAN DETAIL A5.6/4

CAST STONE RESTORATION

- CS1 — REPOINT DETAIL A5.6/1
- CS2 — REPAIR CRACK – GROUT DETAIL A5.6/2
- CS3 — REPAIR CRACK – PIN & GROUT DETAIL A5.6/2 and A5.6/3
- CS4 — CEMENTITIOUS PATCH TO MATCH DETAIL A5.6/5, A5.6/6
- CS5 — REPLACE UNIT; MATCH EXISTING
- CS6 — CLEAN RUSTED REBAR COAT REBAR WITH RUST INHIBITING PAINT PREP & PATCH CAST STONE DETAIL A5.6/5, A5.6/6, A5.6/7

BRICK RESTORATION

- B1 — REPOINT BRICK AREA DETAIL A5.6/1
- B2 — REBUILD BRICK AREA
- B3 — BRICK UNIT REPLACEMENT (#)

MASONRY REPAIR QUANTITIES

NUMBER	CODE	UNIT	ESTIMATED SIZE
E-1015	G3	LF	1.00
E-1016	CS6	SF	1.00
E-1017	CS6	SF	1.00
E-1018	CS6	SF	1.00
E-1019	CS4	SF	1.00
E-1020	CS5	SF	8.00
N-1001	CS6	SF	1.00
N-1002	CS6	SF	2.00
N-1003	CS6	SF	1.00
N-1004	B1	LF	3.00
N-1004	B3	EA	3.00
N-1005	B1	LF	14.00
N-1005	B3	EA	10.00
N-1006	CS6	SF	1.00
N-1007	CS6	SF	1.00
N-1008	CS6	SF	1.00
S-1011	B1	LF	3.00
S-1011	B3	EA	1.00
S-1013	G5	SF	1.00
S-1013	G3	LF	1.00
S-1014	B1	LF	5.00

SAMPLING OF MASONRY CONDITIONS ADJACENT TO WINDOWS AND DOORS

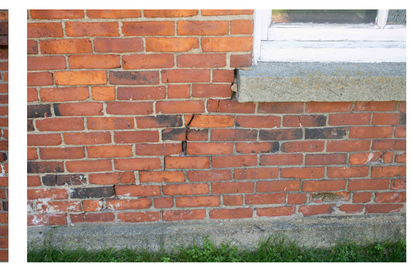
E104 Cast stone lintel cracks and exposed rebar

E104 Cast stone lintel cracks along underside of lintel

E104 Cast stone sill poor previous patch and exposed rebar

E208 Through crack of granite sill

N101 Cast stone lintel spalling and exposed rebar



N102 Step cracking in bricks

2 4 8
SCALE OF FEET

A/E FIRM PRIME: SCHWARTZ/SILVER ARCHITECTS, INC. BOSTON, MA SUBCONTRACTOR: BUILDING CONSERVATION ASSOCIATES, INC. NEWTON CENTRE, MA	DESIGNED: CADD: TECH. REVIEW: DATE: 02/10/2025	SUB SHEET NO. A6.6	TITLE OF SHEET BUILDING 28 MASONRY REPAIR SCHEDULE RESTORE EXTERIOR WINDOWS & DOORS USS CONSTITUTION MUSEUM

DRAWING NO. 457 194598
PKG. NO. 246267
SHEET 27 OF 27