

Northbridge Memorial Town Hall

Window Restoration & Weatherization Project

November 7, 2012

7 Main Street, Whitinsville, Massachusetts 01588



OWNER

Town of Northbridge
7 Main Street
Whitinsville, MA
Phone: 508-234-2447
Fax: 508-234-0814

ARCHITECT

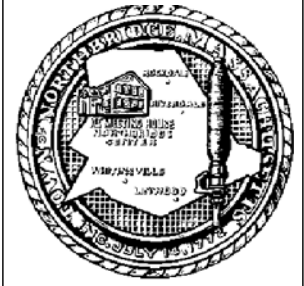
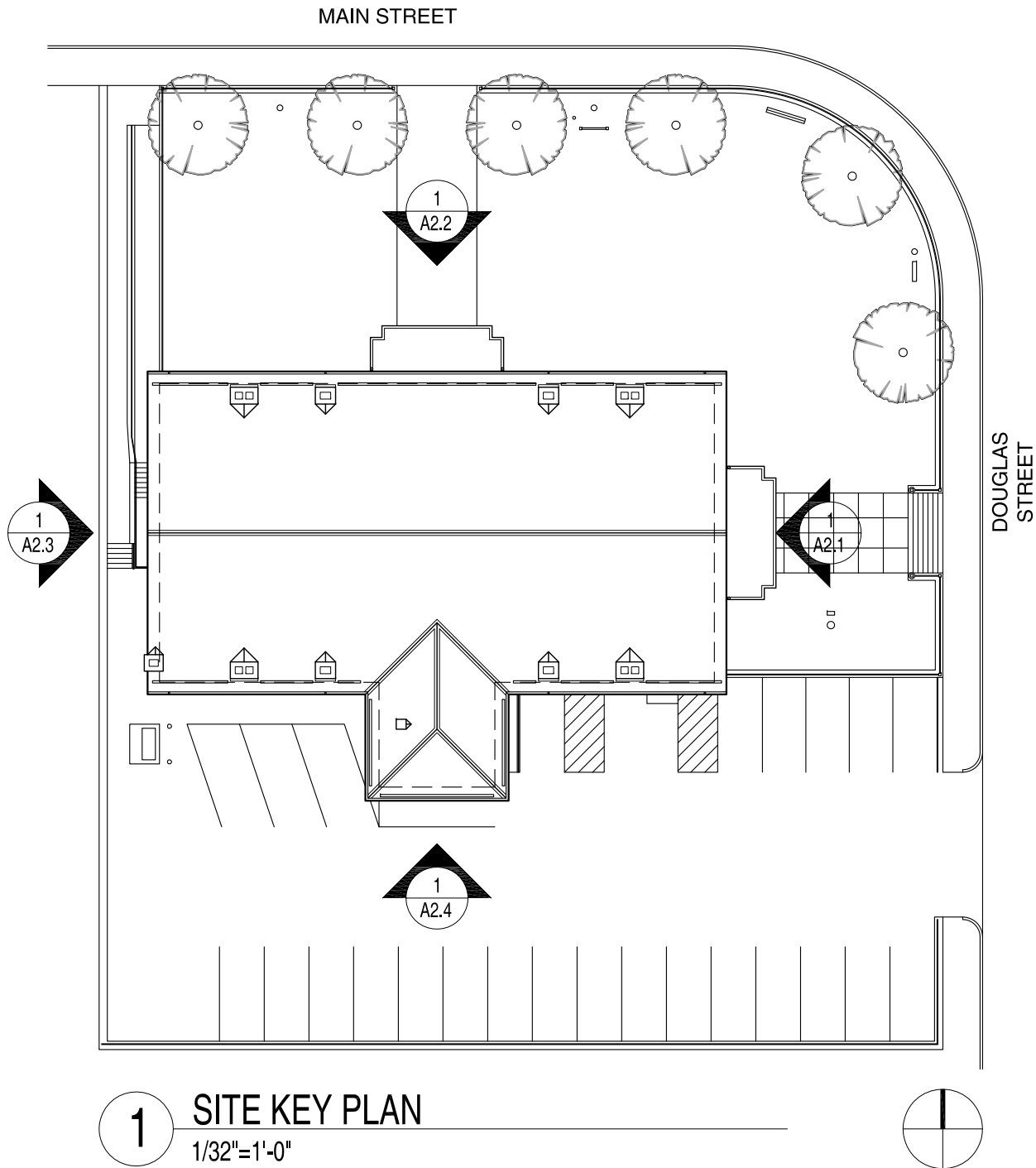
 **McGinley Kalsow
& Associates, Inc.**
ARCHITECTS & PRESERVATION PLANNERS
324 Broadway
Somerville, MA 02145
Phone: 617-625-8901
Fax: 617-625-8902
www.mcginleykalsow.com

DRAWING LIST

Cover Sheet & Drawing List
A0.1 - General Notes & Key Plan
A1.1 - 2nd Floor Abatement Area
A2.1 - East Elevation
A2.2 - North Elevation
A2.3 - West Elevation
A2.4 - South Elevation
A8.1 - Window Repair Schedule
A8.2 - Window Repair Schedule
A8.3 - Window Type Elevations
A8.4 - Window Type Elevations
A8.5 - Window Type Elevations
A8.6 - Window Type Elevations
A8.7 - Window Details
A8.8 - Window Details
A8.9 - Window Details
A8.10 - Storm Window Details

GENERAL NOTES:

1. Protect the public at all times from potential construction hazards.
2. Secure and control access to work area.
3. The Contractor shall be responsible for maintaining a weathertight and secure building at all times.
4. The Contractor shall visit the site and thoroughly examine and become familiar with existing conditions including delivery and removal of materials to and from the site.
5. The Contractor shall protect adjoining property, public rights-of-way, and the public from dust and construction hazards during the project. The Contractor shall provide, install and maintain protection barriers to ensure public safety. Review requirements of work within the public way (street and sidewalk) with the Town of Northbridge and provide required police details for work within the public way.
6. The Contractor shall secure all permits and inspections necessary for the proper execution of the work.
7. Work described in either drawings or specification shall be considered part of this contract.
8. Field dimensions and dimensional coordination shall be the responsibility of the Contractor. Review field conditions that differ from Contract Documents with Architect prior to proceeding with work.
9. Sections and details apply to all similar conditions unless otherwise noted.
10. Materials referred to on drawings and details are new unless noted as existing. Where work is described as "new" or "replacement" the contractor shall remove and legally dispose of existing material. Submit manifest to document legal disposal.
11. Restore any damage to building or site caused during construction to its condition prior to the start of construction. Contractor shall photographically document existing conditions and note areas of existing damage.
12. Control noise. Contain all dust and legally dispose of all construction debris and material removed that is not salvaged for reference or reuse. Conform to all City construction requirements.
13. While the Drawings are generally produced at conventional scales, written dimensions supercede scale. Dimensions given are approximate, and do not relieve the Contractor from measuring actual conditions in the field prior to production or ordering of materials.
14. Contractor shall carefully review site conditions and submit plan with staging, security and site access shown for review by Owner before construction begins.
15. Because of the age of the structure, the contractor shall assume that all painted surfaces include lead paint.
16. At the completion of all work, the Contractor shall remove all construction debris and material and repair damage caused to the site during construction. All paved areas shall be cleaned to return to pre-construction condition.
17. "Requests for Information" RFI's are a normal and expected part of the construction process. In submitting an RFI, the Contractor shall also submit a recommended detail or solution. The Contractor shall also indicate if the Contractor feels that the recommended detail or solution is a proposed increase to the contract sum.
18. ALTERNATE #4: Coordinate with Town for partial removal of existing ductwork and other mechanical components to facilitate installation of new hopper windows.



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Date: 11/7/2012
Drawn By: WJP
Reviewed By: JCH
Project No: 1616.00

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GENERAL
NOTES &
KEYPLAN

A0.1



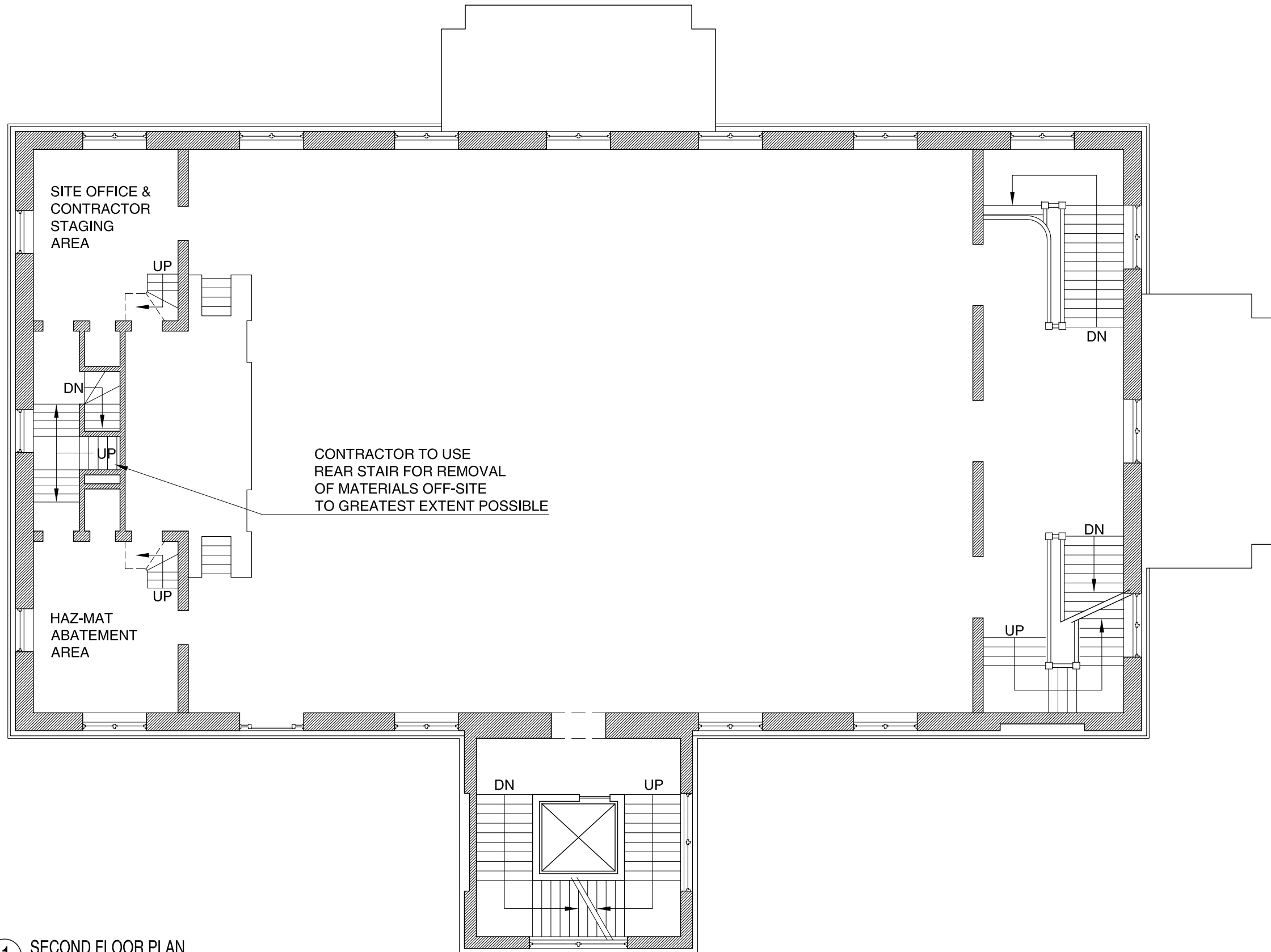
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EXISTING
SECOND FLOOR
PLAN

A1.1



1 SECOND FLOOR PLAN
3/32" = 1'-0"



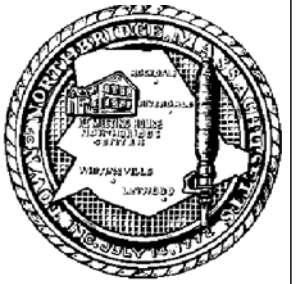
DESCRIPTION OF ALTERNATES:

ALT #1:
REMOVE, RESTORE AND REINSTALL ALL
WINDOWS ON THE WEST ELEVATION
AND THE BASEMENT WINDOWS ON THE
ON THE EAST ELEVATION. (SHOWN ON
THE DRAWINGS AS WINDOW GROUP #2)

ALT#2:
PROVIDE NEW ALUMINUM STORM
WINDOWS AT ALL FIRST FLOOR
WINDOWS TO BE FACTORY FINISHED.

ALT#3:
REMOVE THE (4) EXISTING BASEMENT
WINDOWS AND CONCRETE SURROUNDS
ON THE SOUTH ELEVATION AND
REPLACE AT EACH LOCATION WITH (2)
WOOD SINGLE-HUNG REPLACEMENT
WINDOWS, TOTALING (8) WINDOWS.

ALT#4:
PROVIDE (12) NEW WOOD HOPPER
REPLICA WINDOWS TO FIT IN EXISTING
WOOD WINDOW FRAMES AT ALL
BASEMENT WINDOWS ON THE NORTH
ELEVATION



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EAST
ELEVATION

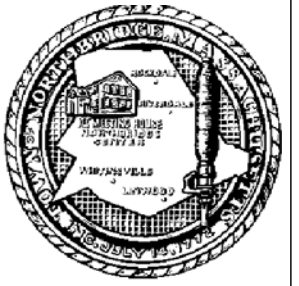
A2.1

1 EAST ELEVATION
3/32" = 1'-0"

GENERAL NOTES:

- 1) AS PART OF BASE BID WORK, PAINT ALL EXISTING WINDOW FRAMES AND SASHES ON NORTH, SOUTH AND EAST ELEVATION OF BUILDING.
- 2) ALL RESTORED WINDOW SASHES ARE TO BE PROVIDED WITH COMPLETE PERIMETER WEATHER STRIPPING.
- 3) AS PART OF BASE BID WORK, PAINT ALL EXISTING-TO-REMAIN (ETR) WINDOWS AND SASHES (EXTERIOR & INTERIOR) TO MATCH HISTORIC PAINT COLOR SELECTED BY THE ARCHITECT.

X000	N.T.	NO TREATMENT, EXCEPT PREP & PAINT
X000	BASE-BID	WINDOW GROUP #1
X000	ALT. #1	WINDOW GROUP #2
X000	ALT. #2	STORM WINDOWS #1
X000	ALT. #3	NEW BASEMENT WINDOWS
X000	ALT. #4	REPLICA WINDOWS



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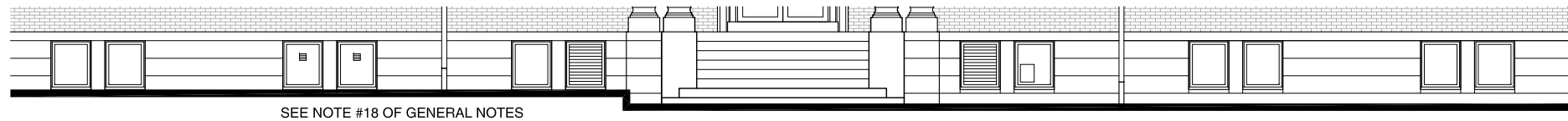
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NORTH
ELEVATION

A2.2

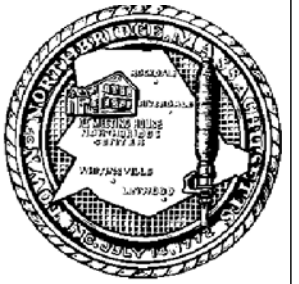


1 NORTH ELEVATION
3/32" = 1'-0"



2 NORTH ELEVATION EXISTING (PARTIAL)
3/32" = 1'-0"

X000	N.T.	NO TREATMENT, EXCEPT PREP & PAINT
X000	BASE-BID	WINDOW GROUP #1
X000	ALT. #1	WINDOW GROUP #2
X000	ALT. #2	STORM WINDOWS #1
X000	ALT. #3	NEW BASEMENT WINDOWS
X000	ALT. #4	REPLICA WINDOWS



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WEST
ELEVATION

A2.3

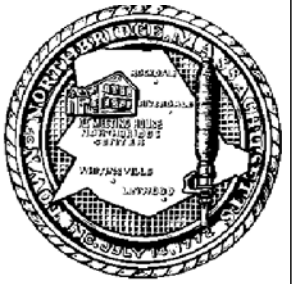


1 WEST ELEVATION
3/32" = 1'-0"

GENERAL NOTES:

- 1) AS PART OF BASE BID WORK, PAINT ALL EXISTING WINDOW FRAMES AND SASHES ON NORTH, SOUTH AND EAST ELEVATION OF BUILDING.
- 2) ALL RESTORED WINDOW SASHES ARE TO BE PROVIDED WITH COMPLETE PERIMETER WEATHER STRIPPING.
- 3) AS PART OF BASE BID WORK, PAINT ALL EXISTING-TO-REMAIN (ETR) WINDOWS AND SASHES (EXTERIOR & INTERIOR) TO MATCH HISTORIC PAINT COLOR SELECTED BY THE ARCHITECT.

X000	N.T.	NO TREATMENT, EXCEPT PREP & PAINT
X000	BASE-BID	WINDOW GROUP #1
X000	ALT. #1	WINDOW GROUP #2
X000	ALT. #2	STORM WINDOWS #1
X000	ALT. #3	NEW BASEMENT WINDOWS
X000	ALT. #4	REPLICA WINDOWS



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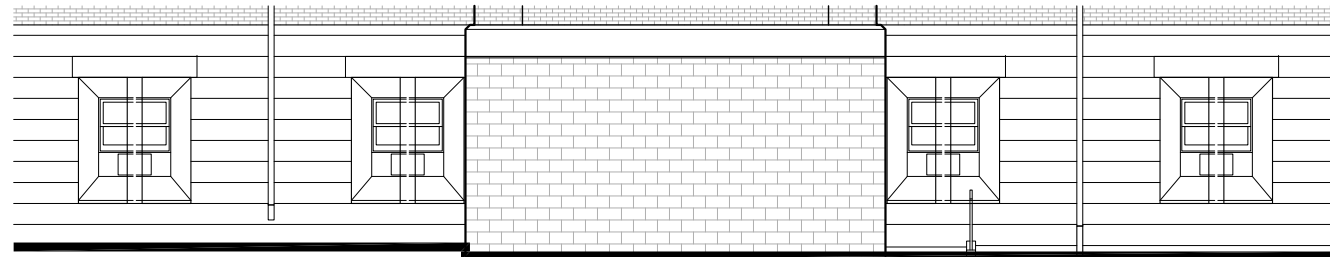
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SOUTH
ELEVATION

A2.4



1 SOUTH ELEVATION
3/32" = 1'-0"



2 SOUTH ELEVATION EXISTING (PATRIAL)
3/32" = 1'-0"

(X000)	N.T.	NO TREATMENT, EXCEPT PREP & PAINT
(X000)	BASE-BID	WINDOW GROUP #1
(X000)	ALT. #1	WINDOW GROUP #2
(X000)	ALT. #2	STORM WINDOWS #1
(X000)	ALT. #3	NEW BASEMENT WINDOWS
(X000)	ALT. #4	REPLICA WINDOWS

REPAIR WORK DESCRIPTION																												KEY: E = EAST ELEVATION N = NORTH ELEVATION W = WEST ELEVATION S = SOUTH ELEVATION ETR = EXISTING TO REMAIN EXAMPLE: "E001" = WINDOW #1 ON EAST ELEVATION RF/NS = REPAIR FRAME & NEW SASH																										
WIN No.	STATUS	TYPE	BASE	ALT #1	ALT #2	ALT #3	ALT #4	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U		V	W	X	Y	Z	AA	BB	CC	DD	EE	FF	REMARKS														
E001	REPAIR	HH	BASE	-	-	-	-	B	C	D	-	F	-	-	-	J	K (1)	-	M	N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	* REMOVE CURRENT WINDOW & REPLACE W/ ORIGINAL WINDOW STORED IN ATTIC AFTER PERSCRIBED REPAIRS ARE MADE, REPAIR ALL JOINTS AND CONSOLIDATE									
E002	ETR	ETR	-	-	-	-	-	B	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
E003	REPAIR	B	BASE	-	-	-	-	B	C	D	E (4)	F	G	H (2 pr)	J	-	L (4 pr)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	REPLACE LOWER SASH BOTTOM RAIL							
E004	REPAIR	A	BASE	-	-	-	-	B	C	D	E (2)	F	G	H (2 pr)	J	K (1)	L (2 pr)	-	-	-	-	-	-	Q (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
E005	REPAIR	B	BASE	-	-	-	-	B	C	D	E (4)	F	G	H (2 pr)	J	-	L (4 pr)	-	-	-	-	-	-	-	S (2)	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
E006	ETR	ETR	-	-	-	-	-	B	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
E007	ETR	ETR	-	-	-	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
E008	REPAIR	M	-	ALT #1	-	-	-	B	C	D	E (1)	F	G	-	J	-	L (1 pr)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	REMOVE PLASTIC AND DUCT TAPE INTERIOR STORM					
E009	REPAIR	M	-	ALT #1	-	-	-	B	C	D	E (1)	F	G	-	J	-	L (1 pr)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	REMOVE PLASTIC AND DUCT TAPE INTERIOR STORM					
E010	ETR	J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
E011	REPAIR	M	-	ALT #1	-	-	-	B	C	D	-	F	G	-	J	-	L (1 pr)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	REMOVE PLASTIC AND DUCT TAPE INTERIOR STORM; REMOVE OLD SEALANT AND CAULK CONDUIT THRU SILL				
E012	REPAIR	M	-	ALT #1	-	-	-	B	C	D	E (1)	F	G	-	J	-	L (1 pr)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	REMOVE PLASTIC AND DUCT TAPE INTERIOR STORM; REMOVE OLD SEALANT AND CAULK PIPES THRU BOTTOM RAIL				
N001	REPAIR	B	BASE	-	-	-	-	B	C	D	E (4)	F	G	H (2 pr)	J	K (2)	L (4 pr)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	CC (2)	-	-	-	-	-	-	-	-	-	-	-	REPLACE 8" SECTION OF PANEL MOLDING				
N002	REPAIR	A	BASE	-	-	-	-	B	C	D	E (2)	F	G	H (2 pr)	J	K (4)	L (2 pr)	-	-	-	-	-	-	-	S (2)	T	-	-	-	-	-	-	-	-	-	-	-	-	-	DD	EE	-	-	-	-	-	-	-	REMOVE SCREWS HOLDING UPPER SASH FIXED					
N003	REPAIR	A	BASE	-	-	-	-	B	C	D	E (2)	F	G	H (2 pr)	J	K (1)	L (2 pr)	-	-	-	-	-	-	-	S (2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	DD	EE	-	-	-	-	-	-	-	-	REMOVE WOOD BLOCKING AT UPPER SASH TOP RAIL, REMOVE SCREWS HOLDING UPPER SASH FIXED				
N004	REPAIR	A	BASE	-	-	-	-	B	C	D	E (2)	F	G	H (2 pr)	J	K (6)	L (2 pr)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	REMOVE PLASTIC PANEL AT LITE				
N005	REPAIR	A	BASE	-	-	-	-	B	C	D	E (2)	F	G	H (2 pr)	J	K (4)	L (2 pr)	-	-	-	-	-	-	-	S (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
N006	REPAIR	A	BASE	-	-	-	-	B	C	D	E (2)	F	G	H (2 pr)	J	K (2)	L (2 pr)	-	-	-	-	-	-	-	S (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	CC (2)	-	-	-	-	-	-	-	-	-	-	-	-			
N007	REPAIR	B	BASE	-	-	-	-	B	C	D	E (4)	F	G	H (2 pr)	J	K (3)	L (4 pr)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
N008	REPAIR	E	BASE	-	ALT #2	-	-	B	C	D	E (2)	F	G	H (2 pr)	J	K (1)	L (2 pr)	-	-	-	-	-	-	Q (1)	S (1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	REMOVE UPPER SASH BLOCKS			
N009	REPAIR	E	BASE	-	ALT #2	-	-	B	C	D	E (2)	F	G	H (2 pr)	J	K (2)	L (2 pr)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	REMOVE PLASTIC & WOOD STORMS (3)			
N010	REPAIR	ETR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
N011	REPAIR	E	BASE	-	ALT #2	-	-	B	C	D	E (2)	F	G	H (2 pr)	J	K (4)	L (2 pr)	-	N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	REMOVE WOOD PANEL AND VENT PIPE, REMOVE PLASTIC AND WOOD STORMS (3)			
N012	REPAIR	E	BASE	-	ALT #2	-	-	B	C	D	E (2)	F	G	H (2 pr)	J	K (3)	L (2 pr)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	REMOVE PLASTIC AND WOOD STORMS (3)			
N013	REPAIR	E	BASE	-	ALT #2	-	-	B	C	D	E (2)	F	G	H (2 pr)	J	-	L (2 pr)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	REMOVE PLASTIC & WOOD STORMS (2)			
N014	RF/NS	N	-	-	-	-	ALT #4	B	-	-	-	F	-	-	J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
N015	RF/NS	N	-	-	-	-	ALT #4	B	C	D	-	F	-	-	J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
N016	RF/NS	N	-	-	-	-	ALT #4	B	-	-	-	F	-	-	J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	REMOVE OLD LOUVERS IF NO LONGER IN USE
N017	RF/NS	N	-	-	-	-	ALT #4	B	-	-	-	F	-	-	J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	REMOVE OLD LOUVERS IF NO LONGER IN USE
N018	RF/NS	N	-	-	-	-	ALT #4	B	-	-	-	F	-	-	J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	REMOVE VINES FROM INTERIOR AND EXTERIOR
N019	RF/NS	N	-	-	-	-	ALT #4	B	-	-	-	F	-	-	J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	REPLICATE SASH IF NON EXISTANT; REMOVE OLD LOUVERS
N020	RF/NS	N	-	-	-	-	ALT #4	B	-	-	-	F	-	-	J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	REPLICATE SASH IF NON EXISTANT; REMOVE OLD LOUVERS
N021	RF/NS	N	-	-	-	-	ALT #4	B	-	-	-	F	-	-	J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	REPLICATE SASH IF NON EXISTANT; REMOVE OLD LOUVERS
N022	RF/NS	N	-	-	-	-	ALT #4	B	C	D	-	F	-	-	J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N023	RF/NS	N	-	-	-	-	ALT #4	B	C	D	-	F	-	-	J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N024	RF/NS	M	-	-	-	-	ALT #4	B	C	D	E (1)	F	-	-	J	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
N025	RF/NS	N	-	-	-	-	ALT #4	B	C	D	-	F	-	-	J	-	-	-	-	-	-	-	-	-	-	-	-	-	-																									



Northbridge Memorial
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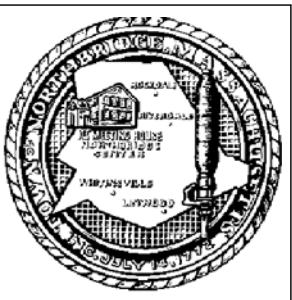
Date:11/7/2012
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WINDOW
REPAIR
SCHEDULE

A8.1

REPAIR WORK DESCRIPTION																																									
			SELECTED WINDOWS GROUP # 1	SELECTED WINDOWS GROUP # 2	NEW STORM WINDOW GROUP #2	REPLACE EXISTING DH WINDOWS WITH 2 DH WINDOWS	REPLACE EXISTING SASH W/ HISTORIC REPLICA SASH	PAINT EXTERIOR WOOD OR ALUM SASH, SILL, + TRIM	WARMISH INTERIOR SASH, STOPS, + OIL PARTING BEAD & SASH TRACK	PAINT/ STAIN INTERIOR SILL	NEW SASH LOCK (Qty)	PREP, PAINT, RESECURE, & RE-CAULK ENTIRE PERIMETER BRICK MOLD	NEW SASH CHORDS; ATTACH CHORDS TO SASH WEIGHTS	NEW SASH LIFTS (1 PAIR PER BOTTOM RAIL)	REMOVE, REGLAZE + PUTTY ALL GLASS LITES OF SASH	REPLACE BROKEN + MISSING GLASS LITES (Qty)	NEW PARTING BEADS (Qty/PAIR)	NEW SIDE STOP	NEW BOTTOM STOP	REPLACE UPPER SASH MEETING RAIL (Qty)	REPAIR UPPER SASH W/ SASH MEETING RAIL (Qty)	REPAIR LOWER SASH BOTTOM RAIL - CONSOLIDATE (Qty)	REPAIR LOWER SASH BOTTOM RAIL - REPAIR MORTISE + TENDON JOINTS	REPLACE BROKEN/ROTTED MUNTIN BAR (Qty)	CONSOLIDATE EXTERIOR SILL - 2 SILLS AT E003, E005, N001, N007, AND S001	CONSOLIDATE BOTTOM 8" OF JAMB BETWEEN PARTING BEAD + EXTERIOR STOP (Qty)	REPLACE BOTTOM 8" OF 1/2 ROUND EXTERIOR MULLION	REPLACE BOTTOM 8" OF 1/4 ROUND EXTERIOR BRICK MOLD (Qty)	REPLACE 3" SECTION OF 1/4 ROUND EXTERIOR BRICK MOLD AT CIRCULAR SASH	REPLACE ENTIRE EXTERIOR STOP AT CIRCULAR SASH	REATTACH EXTERIOR STOPS/ BRICK MOLD	NEW INTERIOR STOP SCREWS (Qty)	REMOVE SCREWS HOLDING UPPER SASH FIXED	REMOVE TAPE FROM GLASS + SASH	REMOVE ALUMINUM EXTERIOR SILL COVER	KEY: E = EAST ELEVATION N = NORTH ELEVATION W = WEST ELEVATION S = SOUTH ELEVATION ETR = EXISTING TO REMAIN EXAMPLE: "E001" = WINDOW #1 ON EAST ELEVATION RF/NS = REPAIR FRAME & NEW SASH					
WIN No.	STATUS	TYPE	BASE	ALT #1	ALT #2	ALT #3	ALT #4	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	BB	CC	DD	EE	FF	REMARKS		
W001	REPAIR	H	-	ALT #1	-	-	-	B	C	D	-	F	-	-	-	J	-	-	M	N	-	-	-	-	-	-	-	-	-	-	-	Z	AA	-	-	-	-	-	-		
W002	REPAIR	C	-	ALT #1	-	-	-	B	C	D	E (1)	F	G	H (1 pr)	-	J	-	L (2 pr)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
W003	REPAIR	C	-	ALT #1	-	-	-	B	C	D	E (1)	F	G	H (1 pr)	-	J	-	L (2 pr)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
W004	REPAIR	C	-	ALT #1	-	-	-	B	C	D	E (1)	F	G	H (1 pr)	-	J	K (2)	L (2 pr)	-	-	-	-	-	-	-	-	V	-	-	-	-	-	-	-	-	-	-	-	REPLACE 18" OF STAFF/PLASTER BEAD, REATTACH QUARTER ROUND & CASING AT INTERIOR, REPLACE & REPLICATE 8 FEET OF BROKEN ARCHITECTURAL STOP TRIM		
W005	REPAIR	C	-	ALT #1	-	-	-	B	C	D	E (1)	F	G	H (1 pr)	-	J	K (1)	L (2 pr)	-	-	-	-	-	-	-	-	V	-	-	-	-	-	-	-	-	-	-	-	-		
W006	REPAIR	C	-	ALT #1	-	-	-	B	C	D	E (1)	F	G	H (1 pr)	-	J	-	L (2 pr)	-	-	-	-	-	-	-	-	V	-	-	-	-	-	-	-	-	-	-	-	-		
W007	REPAIR	C	-	ALT #1	-	-	-	B	C	D	E (1)	F	G	H (1 pr)	-	J	K (1)	L (2 pr)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
W008	REPAIR	D	-	ALT #1	ALT #2	-	-	B	C	D	E (1)	F	G	H (1 pr)	-	J	K (1)	L (2 pr)	-	-	-	-	-	-	-	-	V	-	-	-	-	-	-	-	-	-	-	-	-		
W009	REPAIR	L	-	ALT #1	ALT #2	-	-	B	C	D	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	FF		
W010	REPAIR	D	-	ALT #1	ALT #2	-	-	B	C	D	E (1)	F	G	H (1 pr)	-	J	-	L (2 pr)	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
W011	REPAIR	F	-	ALT #1	ALT #2	-	-	B	C	D	E (1)	F	G	H (1 pr)	-	J	K (4)	L (2 pr)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	REBUILD ENTIRE BOTTOM SASH TO REPLICATE HISTORIC; REMOVE & DISPOSE OF MOTORIZED DAMPER AND PANELS	
W012	ETR	ETR	-	-	-	-	-	B	C	D	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	REPLACE PANEL WITH INSULATED PANEL + PAINT	
S001	REPAIR	B	BASE	-	-	-	-	B	C	D	E (4)	F	G	H (2 pr)	-	J	K (3)	L (4 pr)	-	-	P (3)	-	-	-	T	U (2)	V	W (2)	-	Y (3)	-	-	-	-	-	-	EE	-	-	CONSOLIDATE ROTTED TOP RAIL UPPER SASH (1)	
S002	REPAIR	A (SIM)	BASE	-	-	-	-	B	C	D	-	F	-	-	-	J	-	L (2 pr)	-	-	-	-	-	-	-	-	V	-	-	-	-	-	-	-	-	-	-	-	-	-	
S003	REPAIR	A	BASE	-	-	-	-	B	C	D	E (2)	F	G	H (2 pr)	-	J	K (2)	L (2 pr)	-	-	-	-	-	-	T	-	V	W (4)	-	-	-	-	-	-	-	-	-	-	FF	-	
S004	ETR	ETR	-	-	-	-	-	B	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
S005	REPAIR	A	BASE	-	-	-	-	B	C	D	E (2)	F	G	H (2 pr)	-	J	K (4)	L (2 pr)	-	N	-	-	-	S (2)	T	-	V	-	-	-	-	-	-	-	-	-	-	-	FF	-	
S006	REPAIR	A	BASE	-	-	-	-	B	C	D	E (2)	F	G	H (2 pr)	-	J	K (2)	L (2 pr)	-	-	-	-	-	-	T	-	V	W (1)	-	-	-	-	-	-	-	-	-	EE	FF	-	
S007	REPAIR	E	BASE	-	ALT #2	-	-	B	C	D	E (2)	F	G	H (2 pr)	-	J	K (1)	L (2 pr)	-	-	-	-	-	-	-	-	V	-	-	-	-	-	-	-	-	-	-	-	FF	REMOVE SASH PULLS AND DEADBOLTS, FILL HOLES	
S008	REPAIR	E	BASE	-	ALT #2	-	-	B	C	D	E (2)	F	G	-	-	J	K (3)	L (2 pr)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
S009	REPAIR	E	BASE	-	ALT #2	-	-	B	C	D	E (2)	F	G	-	-	J	K (2)	L (2 pr)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
S010	ETR	ETR	-	-	-	-	-	B	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	REMOVE POLY WITH WOOD FRAME STORM (2)	
S011	REPAIR	E	BASE	-	ALT #2	-	-	B	C	D	E (2)	F	G	H (2 pr)	-	J	K (7)	L (2 pr)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	EE	-	-	REMOVE POLY WITH WOOD FRAME STORM (3) & INSECT SCREEN	
S012	REPAIR	E	BASE	-	ALT #2	-	-	B	C	D	E (2)	F	G	H (2 pr)	-	J	-	L (2 pr)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
S013	NEW	G	-	-	-	ALT #3	-	B	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	REPAIR STUCCO AT EXTERIOR, CAULK JOINTS, AND PAINT
S014	NEW	G	-	-	-	ALT #3	-	B	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	REPAIR STUCCO AT EXTERIOR, CAULK JOINTS, AND PAINT
S015	NEW	G	-	-	-	ALT #3	-	B	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	REPAIR STUCCO AT EXTERIOR, CAULK JOINTS, AND PAINT
S016	NEW	G	-	-	-	ALT #3	-	B	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	REPAIR STUCCO AT EXTERIOR, CAULK JOINTS, AND PAINT
S017	ETR	ETR	-	-	-	-	-	-	-	-	-	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	



Northbridge Memorial
Town Hall
7 Main Street
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Window Restoration

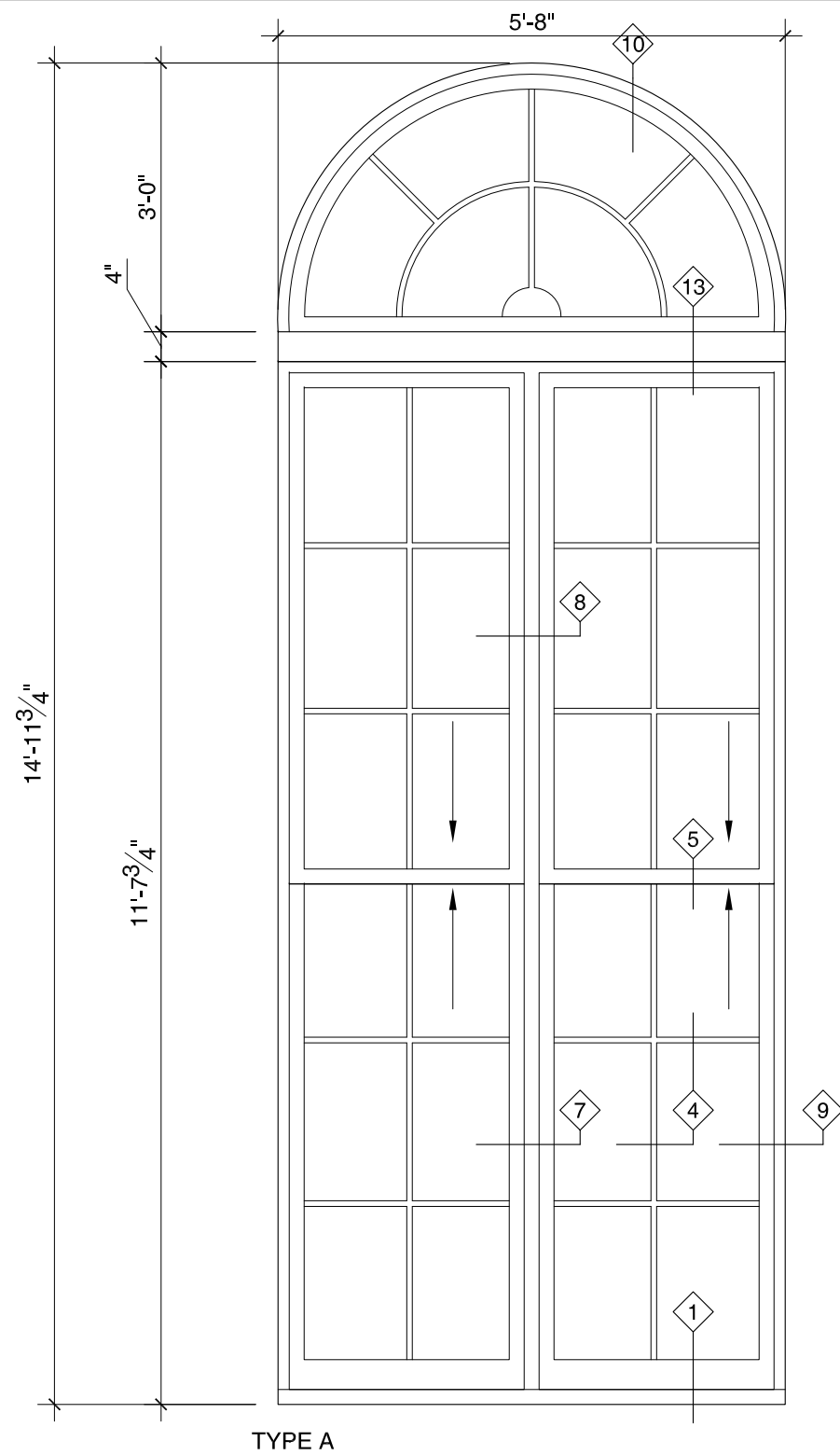
Date: 11/7/2012
Drawn By: WJP
Reviewed By: JCH
Project No: 1616.00



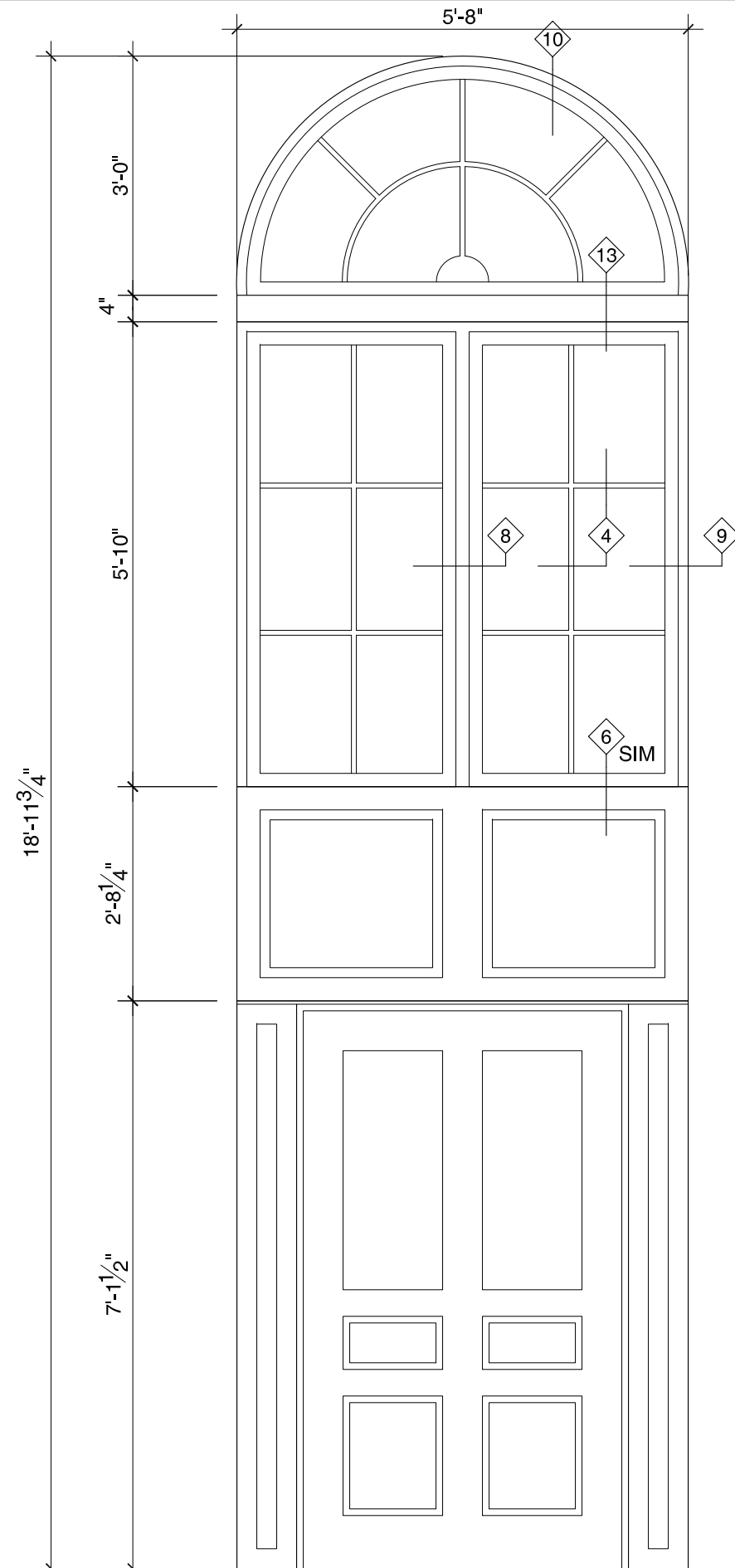
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WINDOW
REPAIR
SCHEDULE

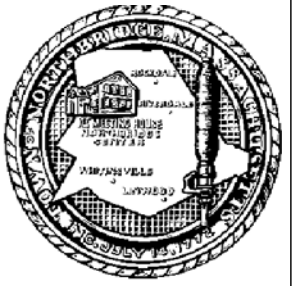
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TYPE A



TYPE A (sim)



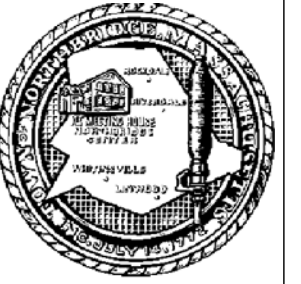
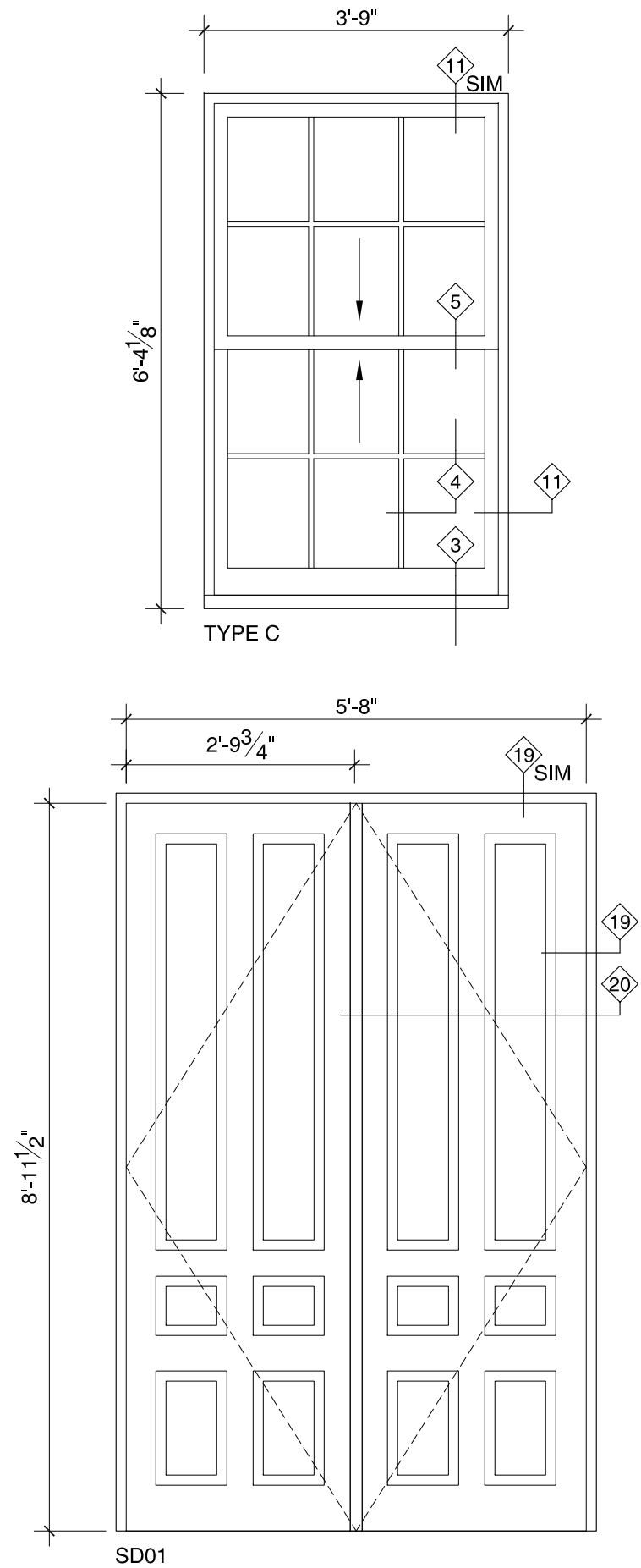
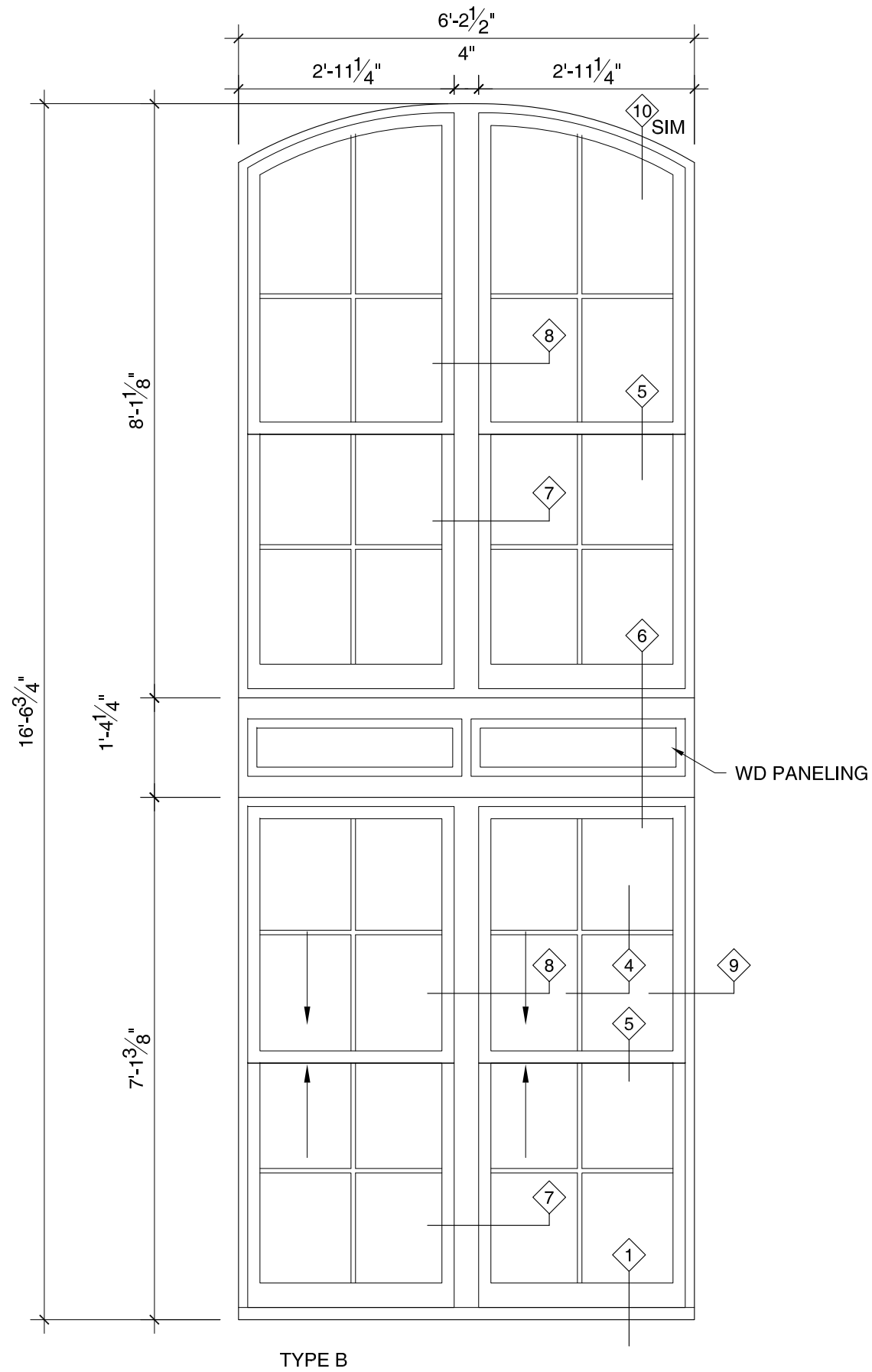
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WINDOW TYPE
ELEVATIONS

A8.3



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WINDOW TYPE
ELEVATIONS

A8.4



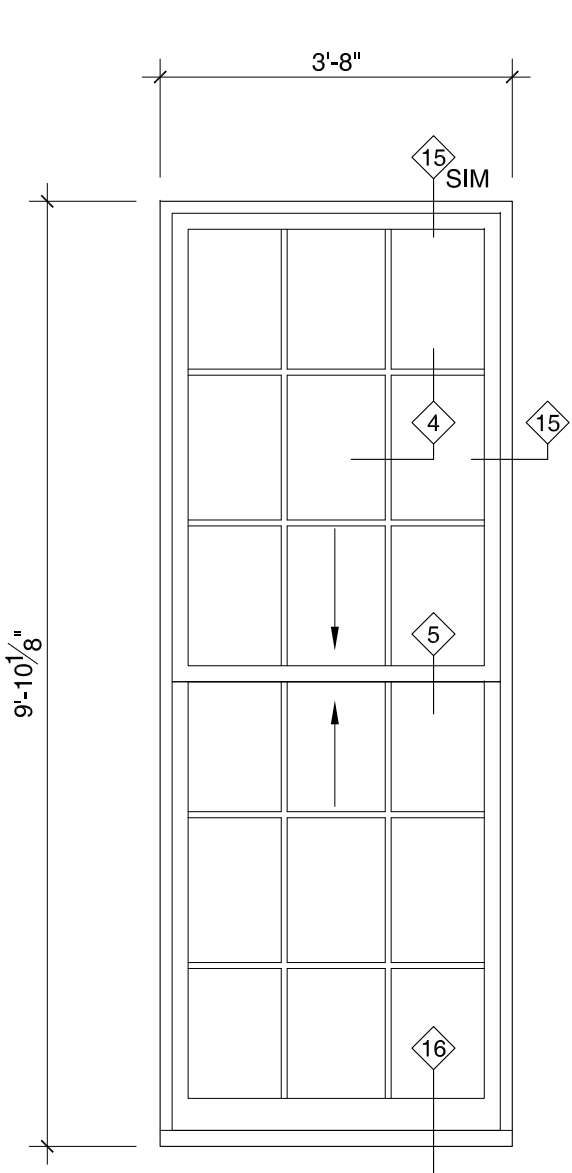
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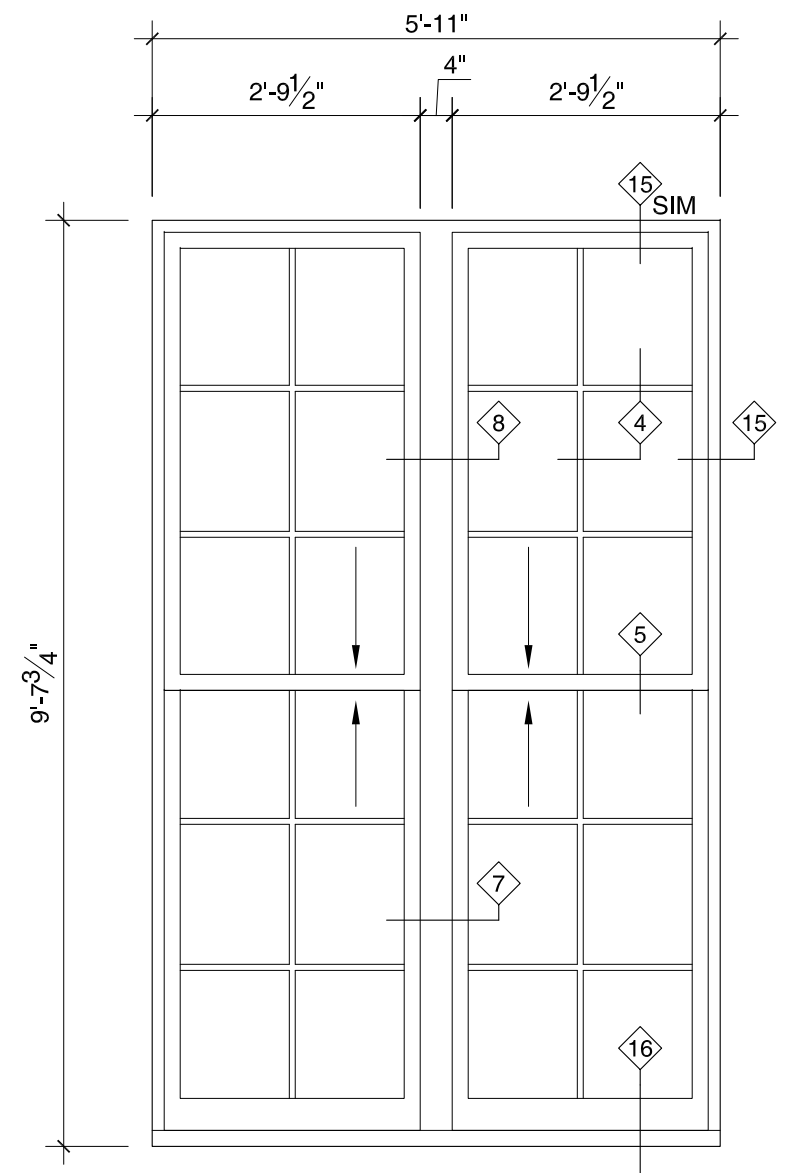
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WINDOW TYPE
ELEVATIONS

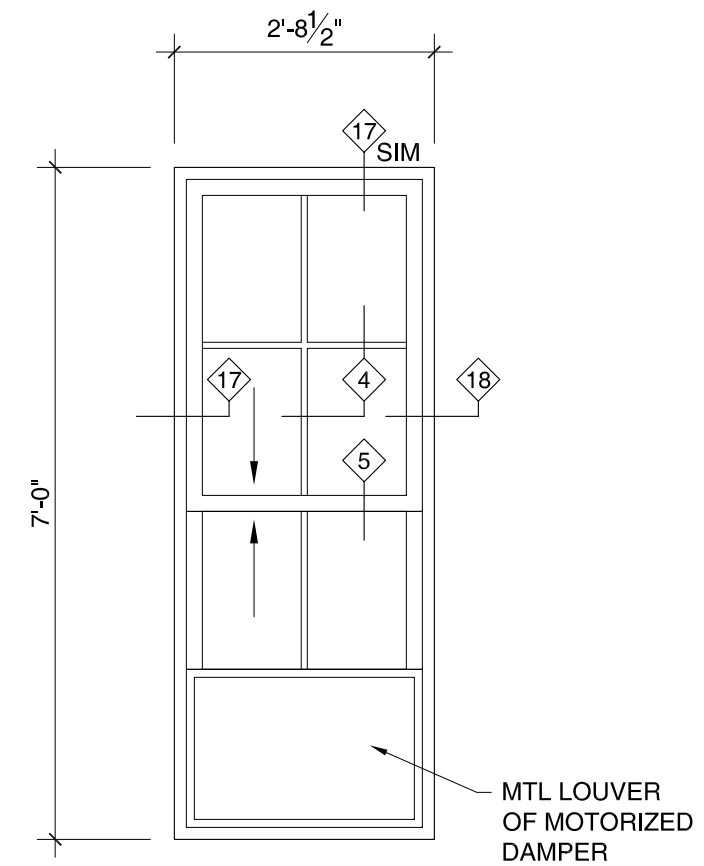
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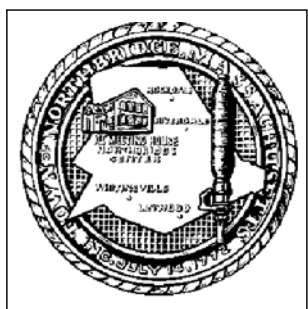
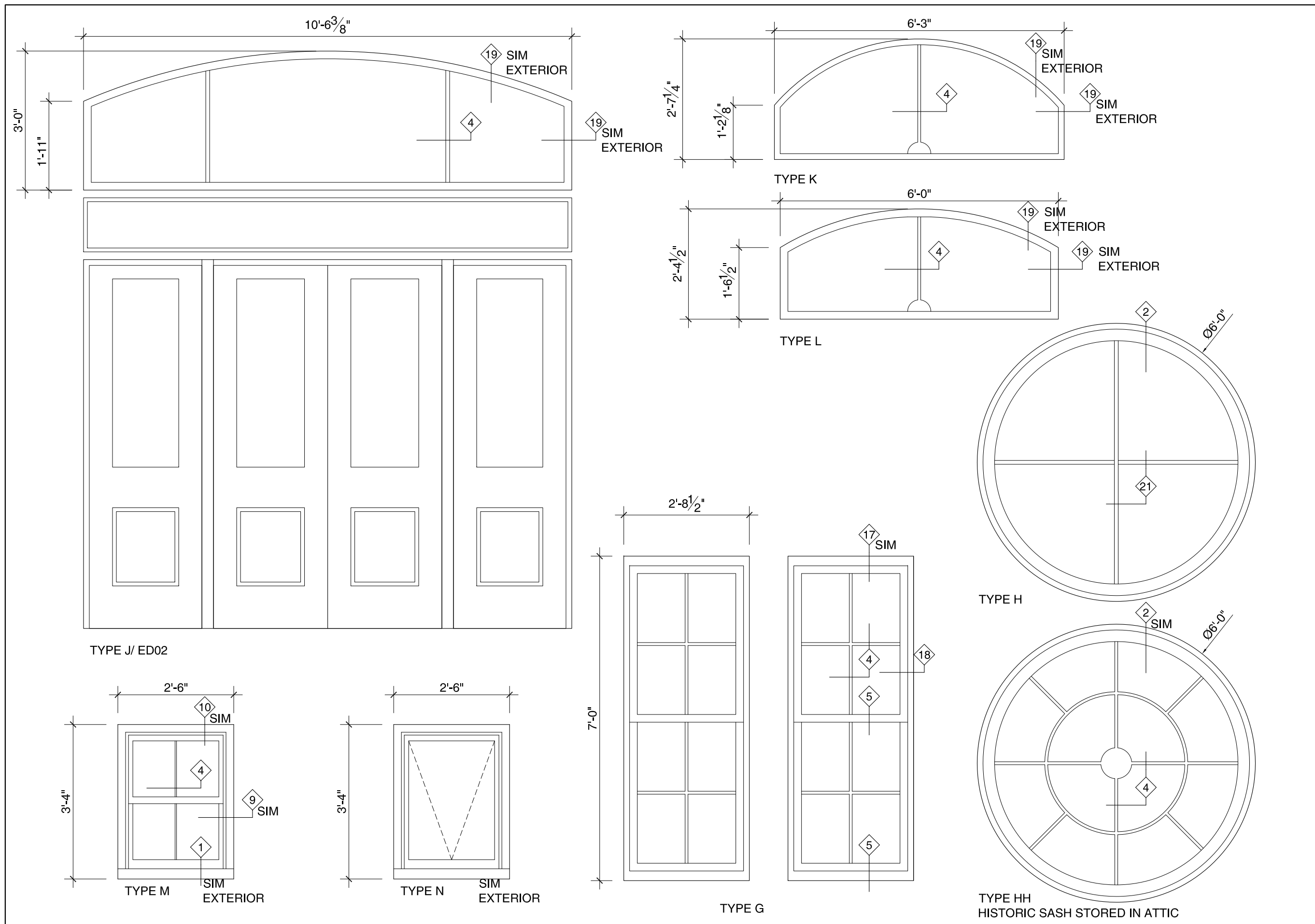
TYPE D



TYPE E



TYPE F



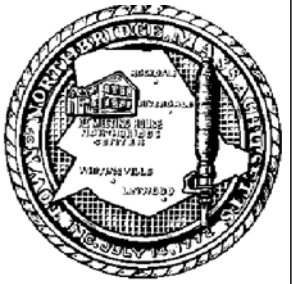
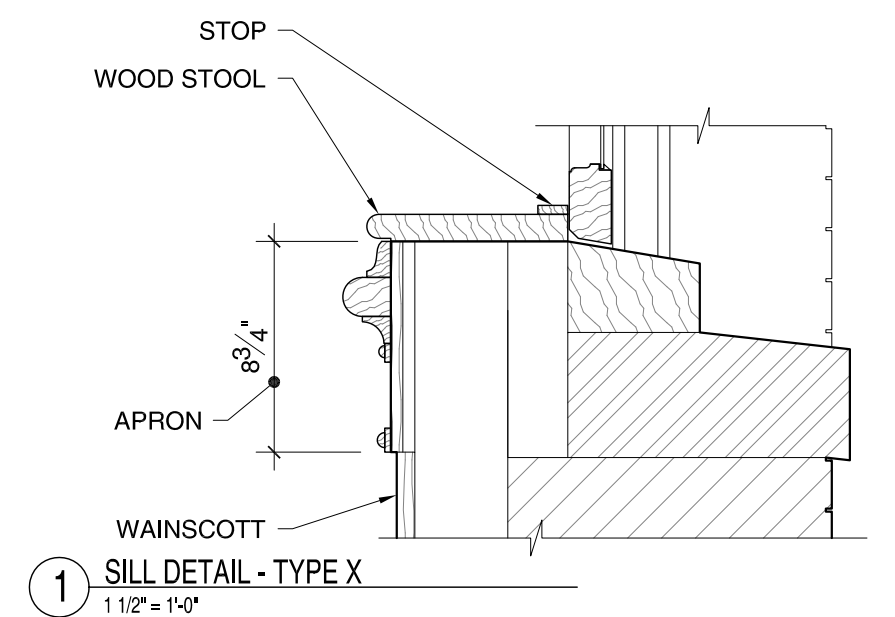
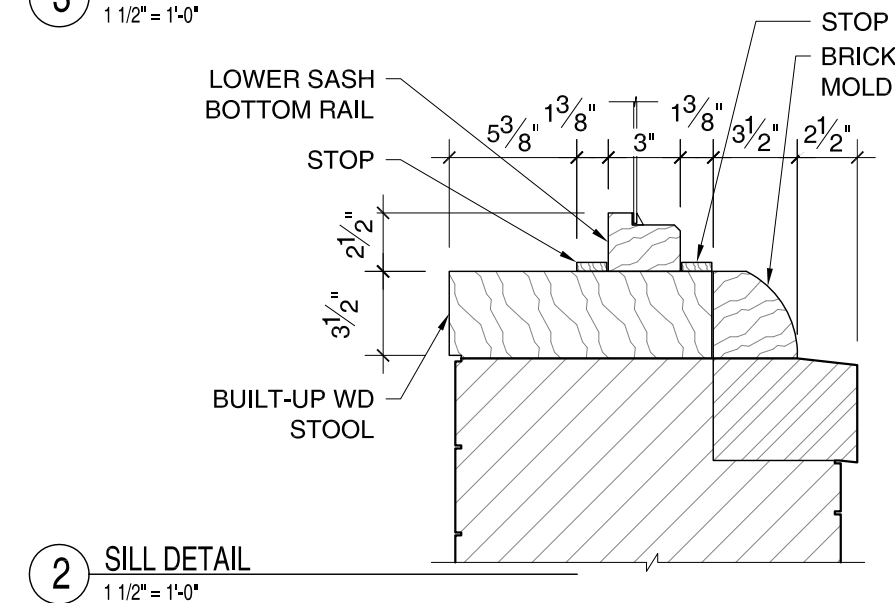
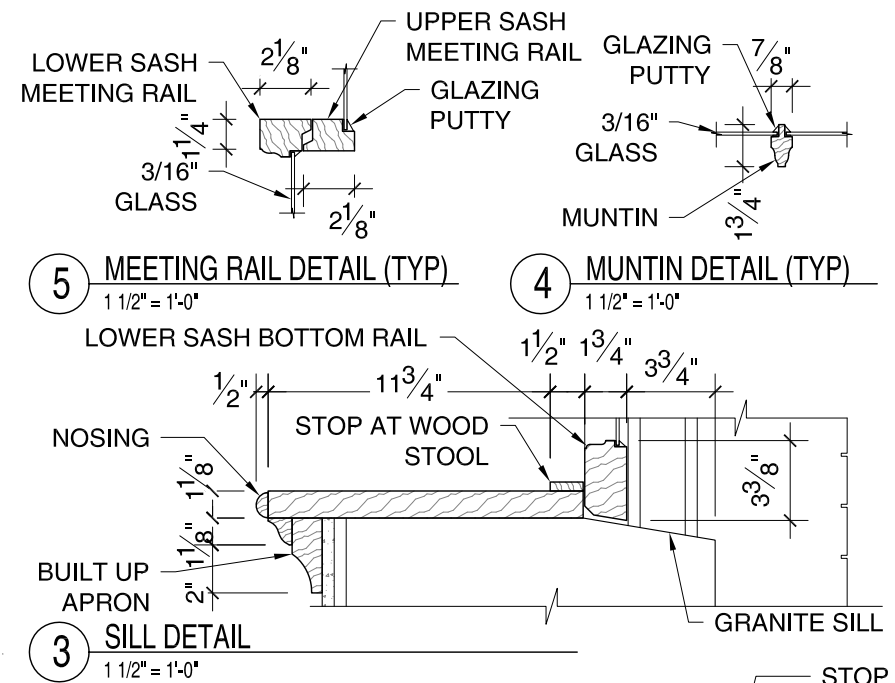
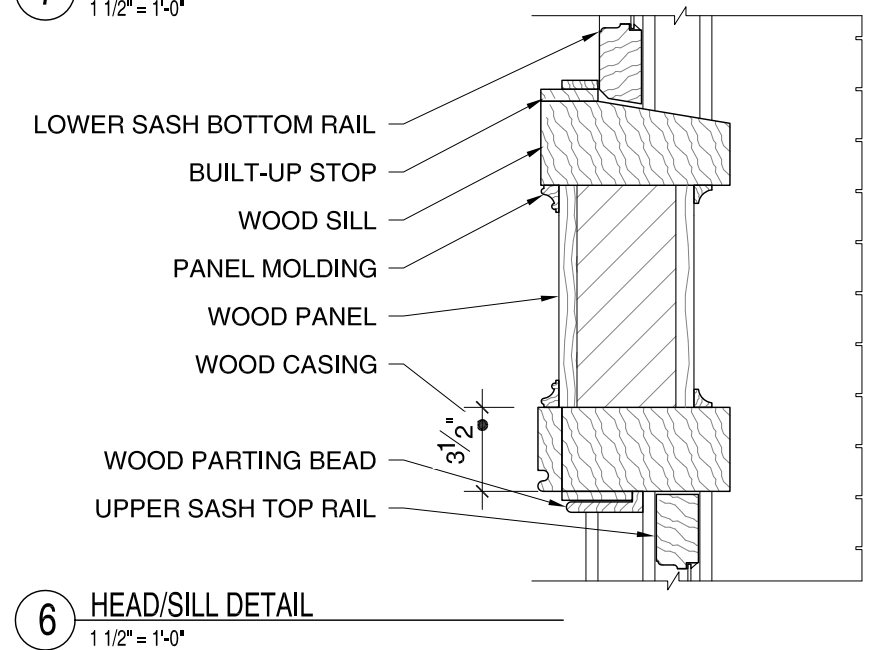
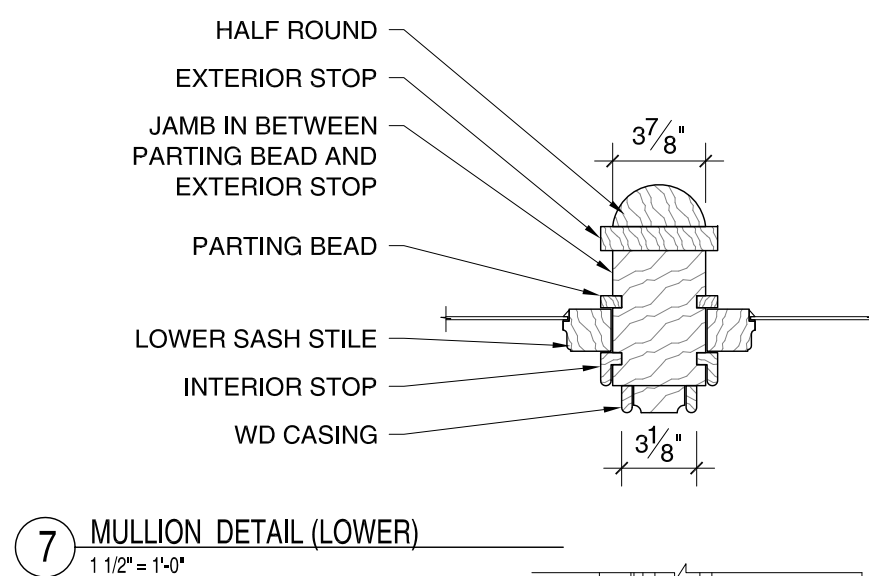
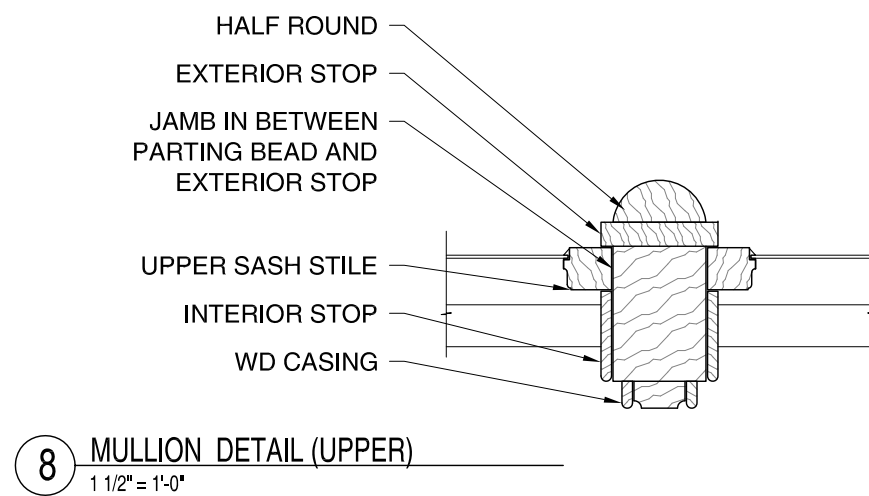
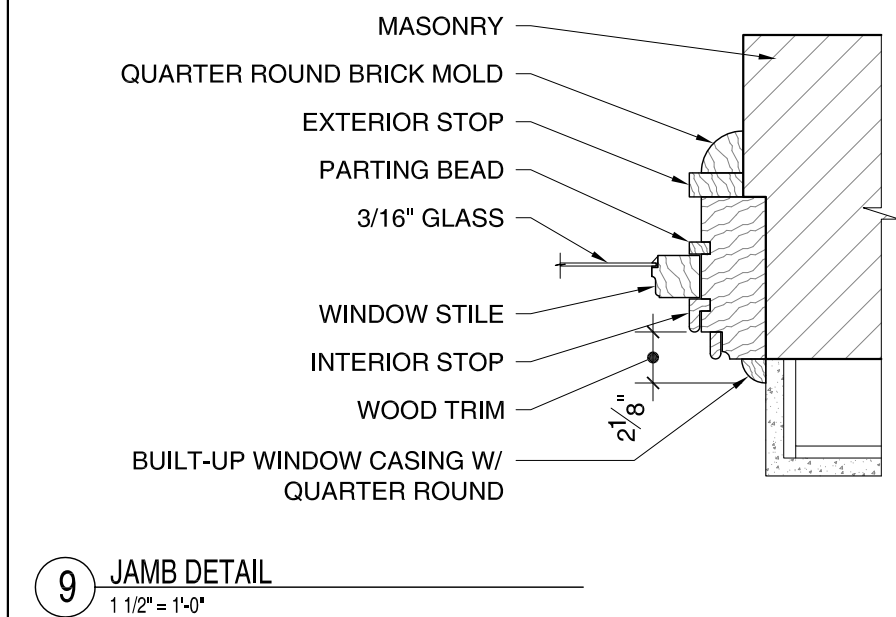
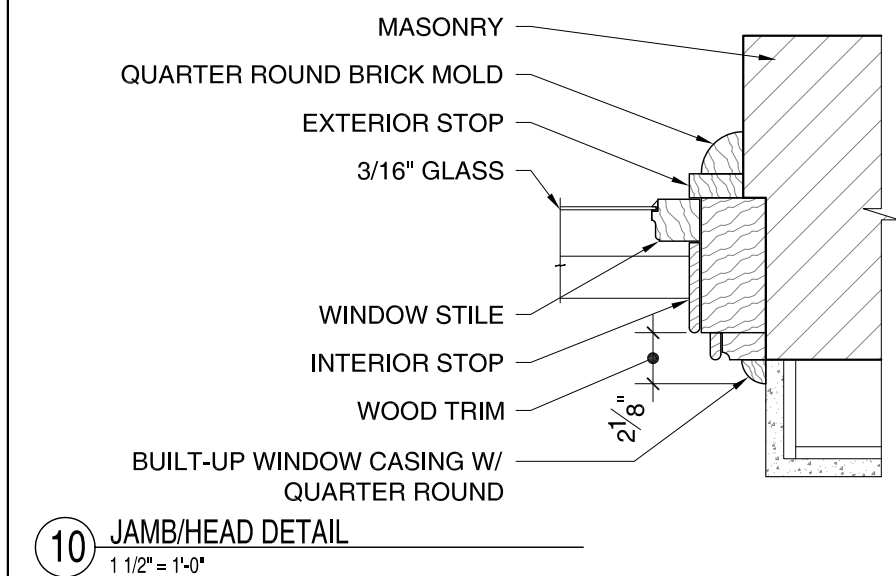
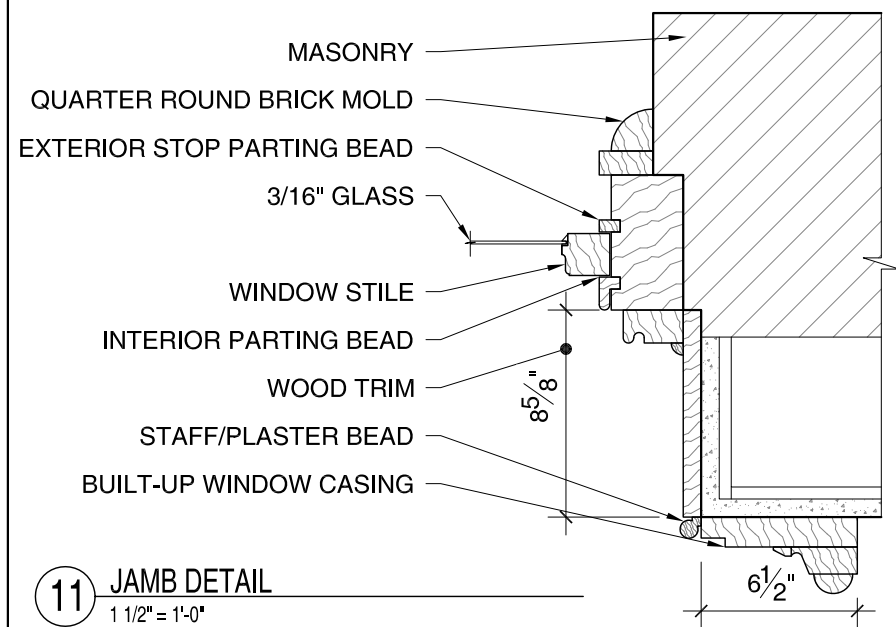
Northbridge Memorial
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WINDOW TYPE
ELEVATIONS

A8.6



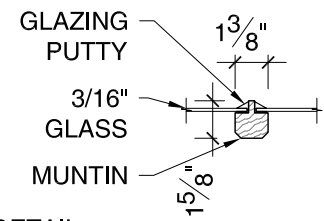
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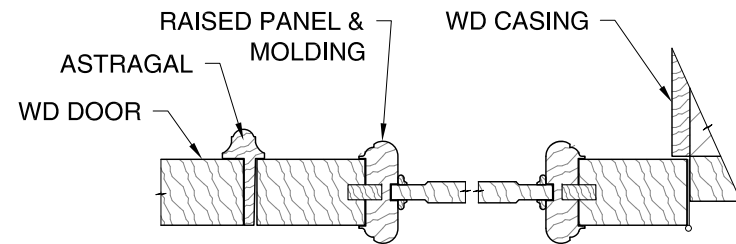
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WINDOW
DETAILS

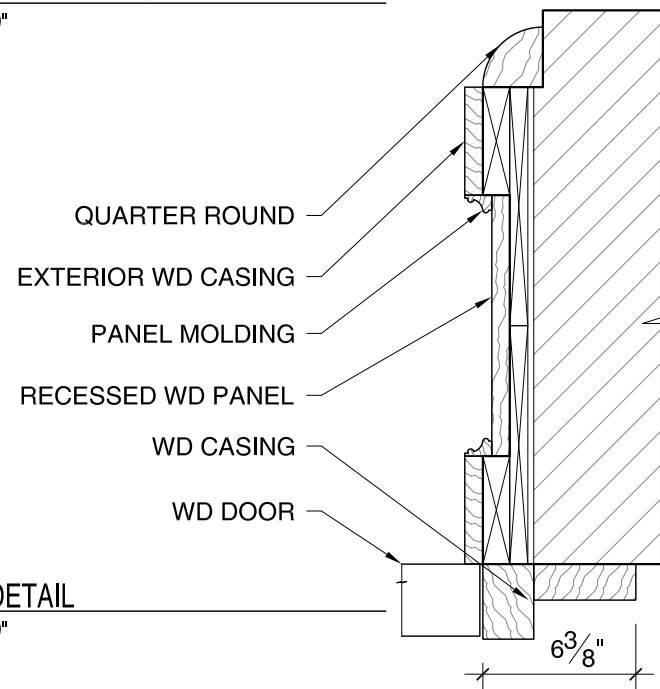
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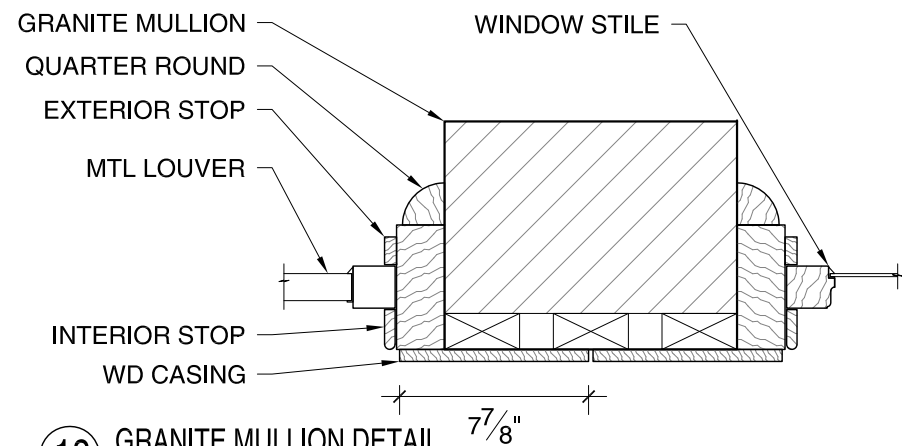
21 MUNTIN DETAIL
1 1/2" = 1'-0"



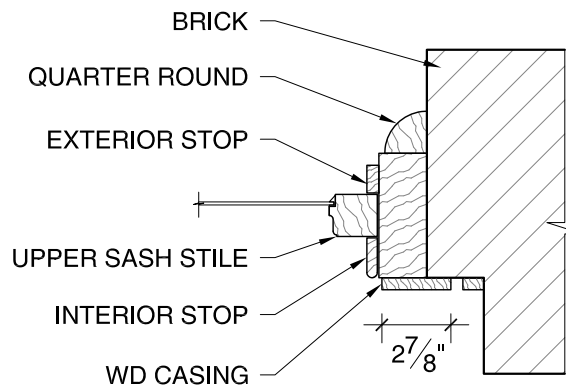
20 RAISED PANEL PROFILE
1 1/2" = 1'-0"



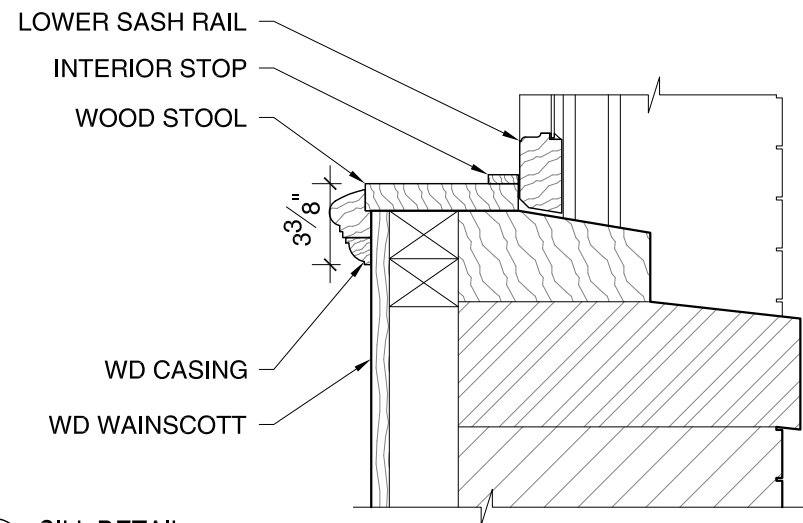
19 JAMB DETAIL
1 1/2" = 1'-0"



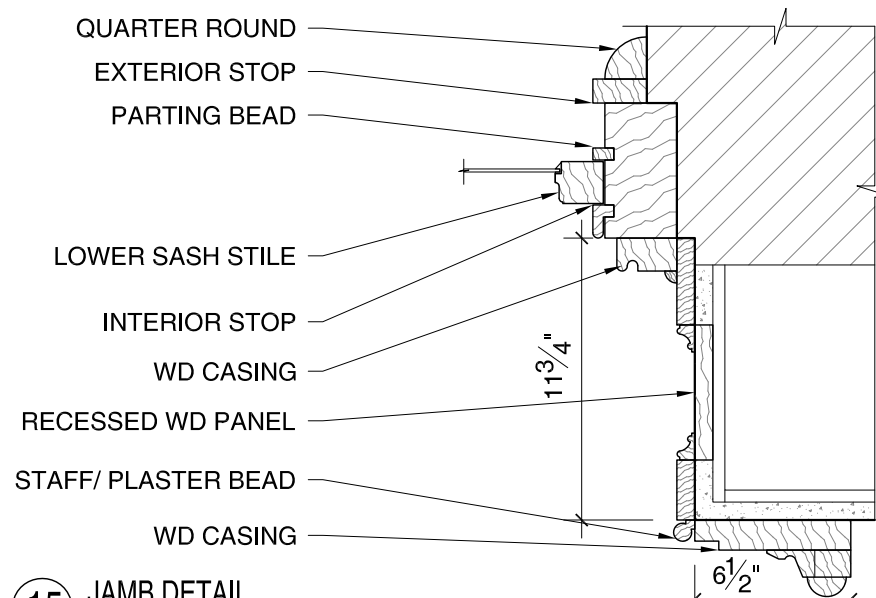
18 GRANITE MULLION DETAIL
1 1/2" = 1'-0"



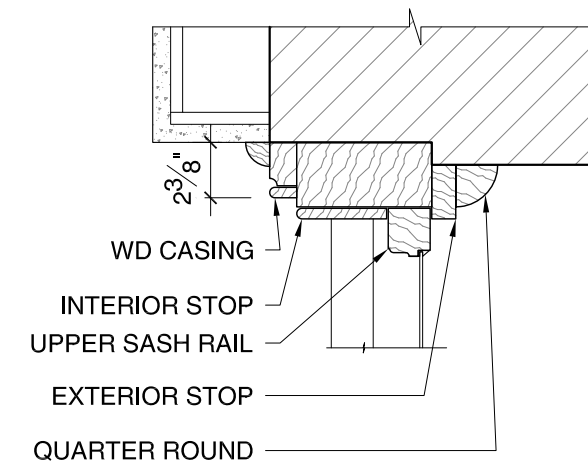
17 JAMB DETAIL
1 1/2" = 1'-0"



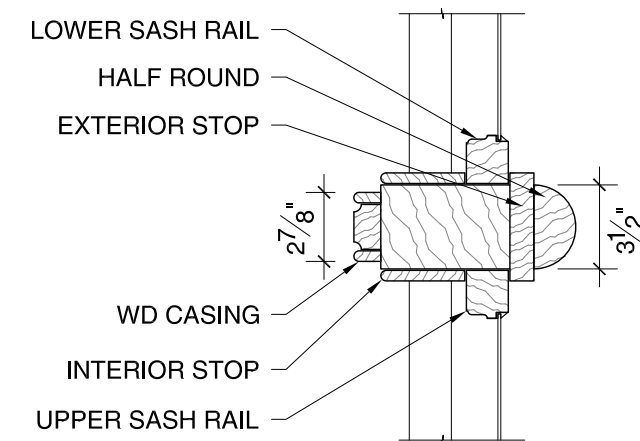
16 SILL DETAIL
1 1/2" = 1'-0"



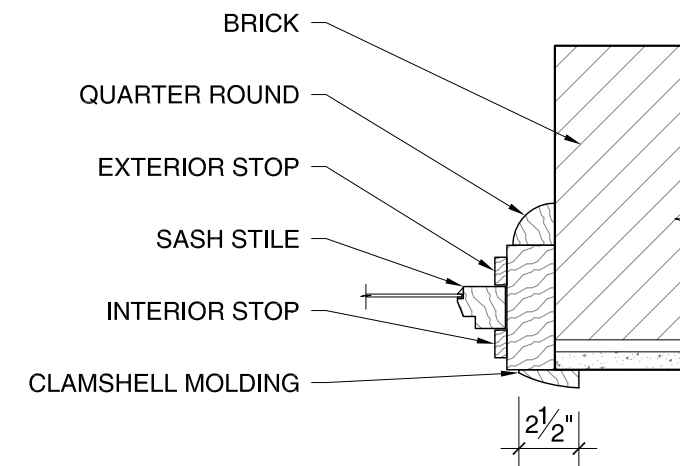
15 JAMB DETAIL
1 1/2" = 1'-0"



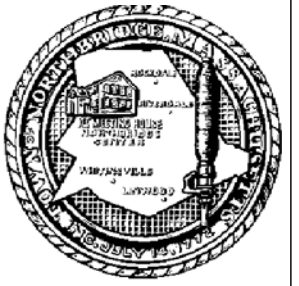
14 TRANSOM HEAD DETAIL
1 1/2" = 1'-0"



13 TRANSOM RAIL DETAIL
1 1/2" = 1'-0"



12 JAMB DETAIL
1 1/2" = 1'-0"



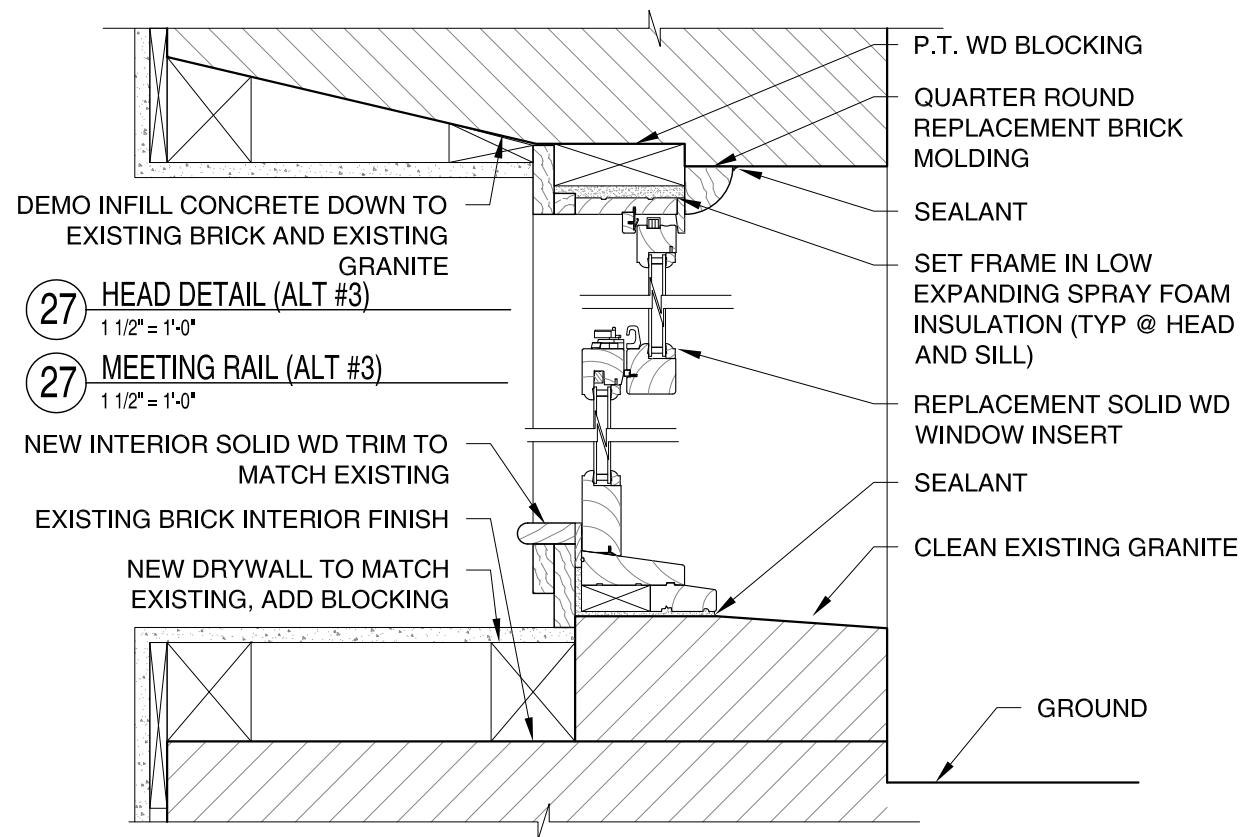
Northbridge Memorial
Town Hall
7 Main Street
Whitinsville, MA 01588
Window Restoration

Date: 11/7/2012
Drawn By: WJP
Reviewed By: JCH
Project No: 1616.00

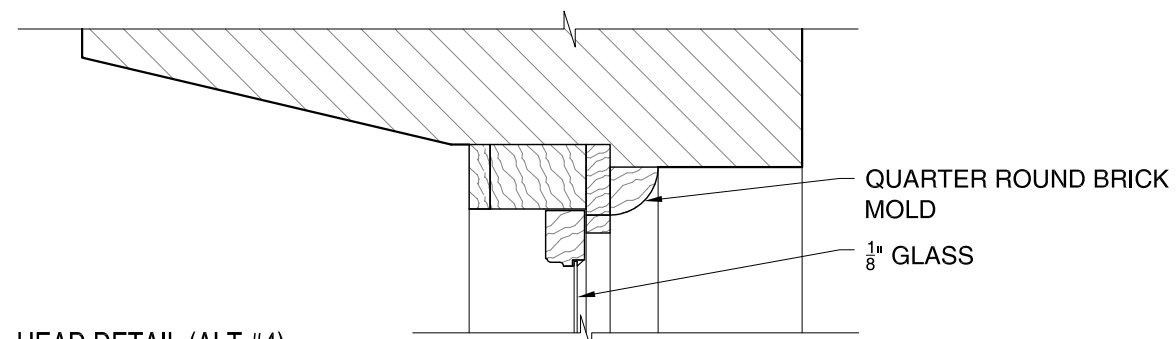
MK & A McGinley Kalsow & Associates, Inc.
ARCHITECTS & PRESERVATION PLANNERS
324 Broadway, P.O. Box 45248
Somerville, MA 02145
617.625.8901 - www.mcginleykalsow.com

WINDOW
DETAILS

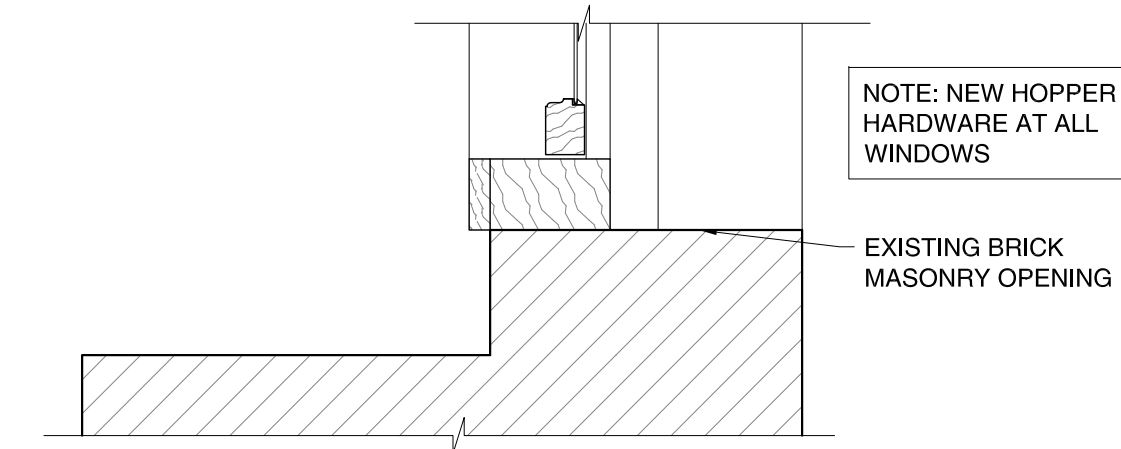
A8.8



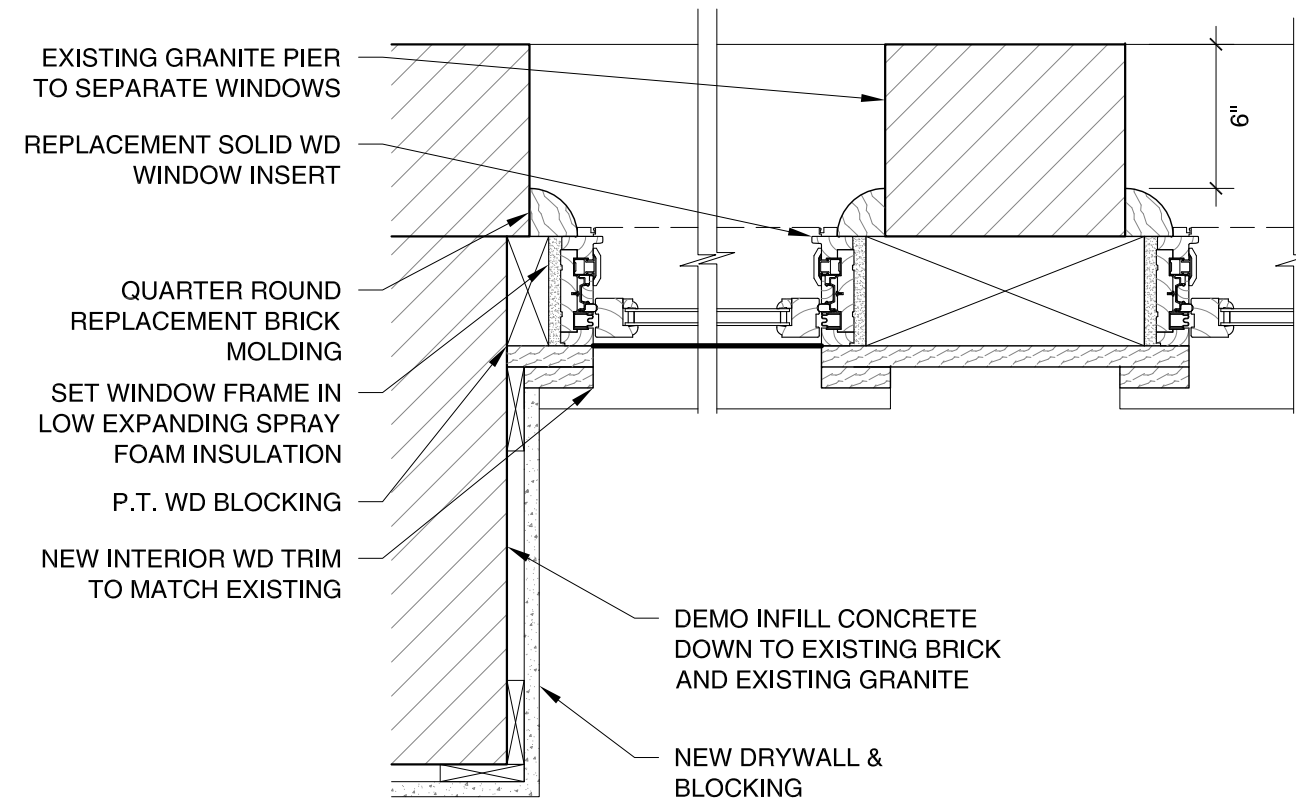
26 SILL DETAIL (ALT #3)
1 1/2" = 1'-0"



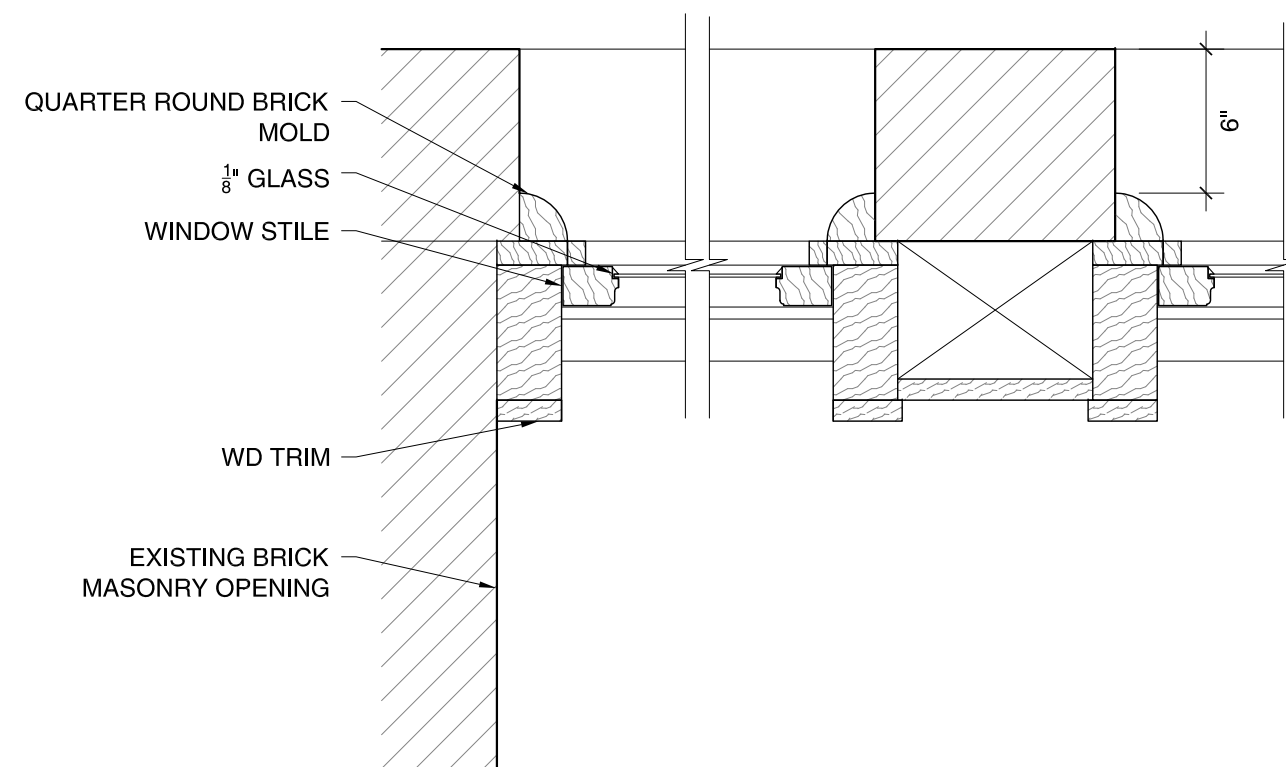
24 HEAD DETAIL (ALT #4)
1 1/2" = 1'-0"



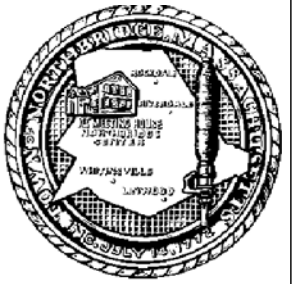
23 SILL DETAIL (ALT #4)
1 1/2" = 1'-0"



25 JAMB DETAIL (ALT #3)
1 1/2" = 1'-0"



22 JAMB DETAIL (ALT #4)
1 1/2" = 1'-0"



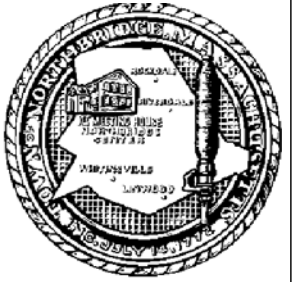
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WINDOW
DETAILS

A8.9



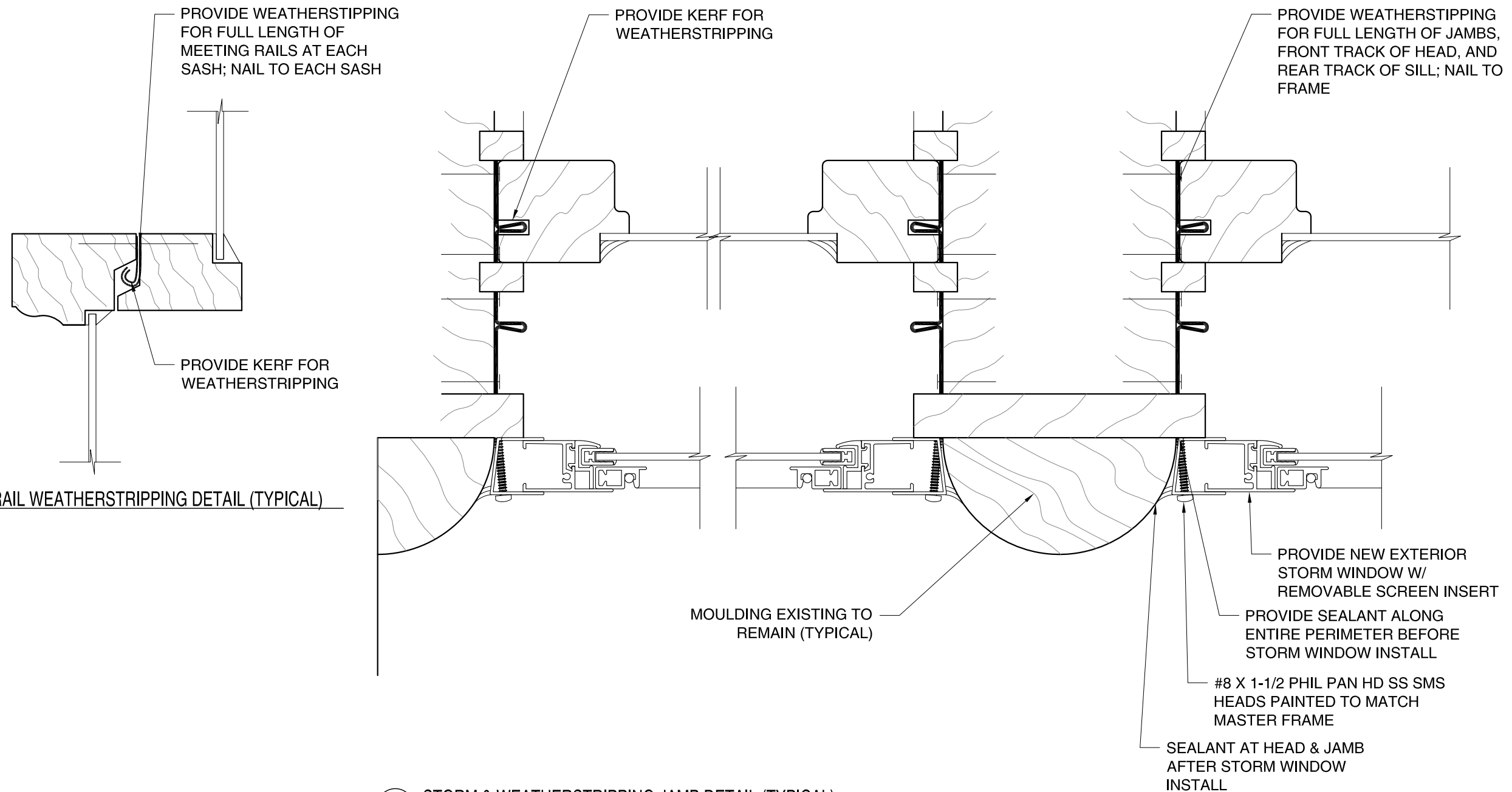
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STORM WINDOW
& WEATHER-
STRIPPING
DETAILS

A8.10



29 MEETING RAIL WEATHERSTRIPPING DETAIL (TYPICAL)
6" = 1'-0"

28 STORM & WEATHERSTRIPPING JAMB DETAIL (TYPICAL)
6" = 1'-0"