

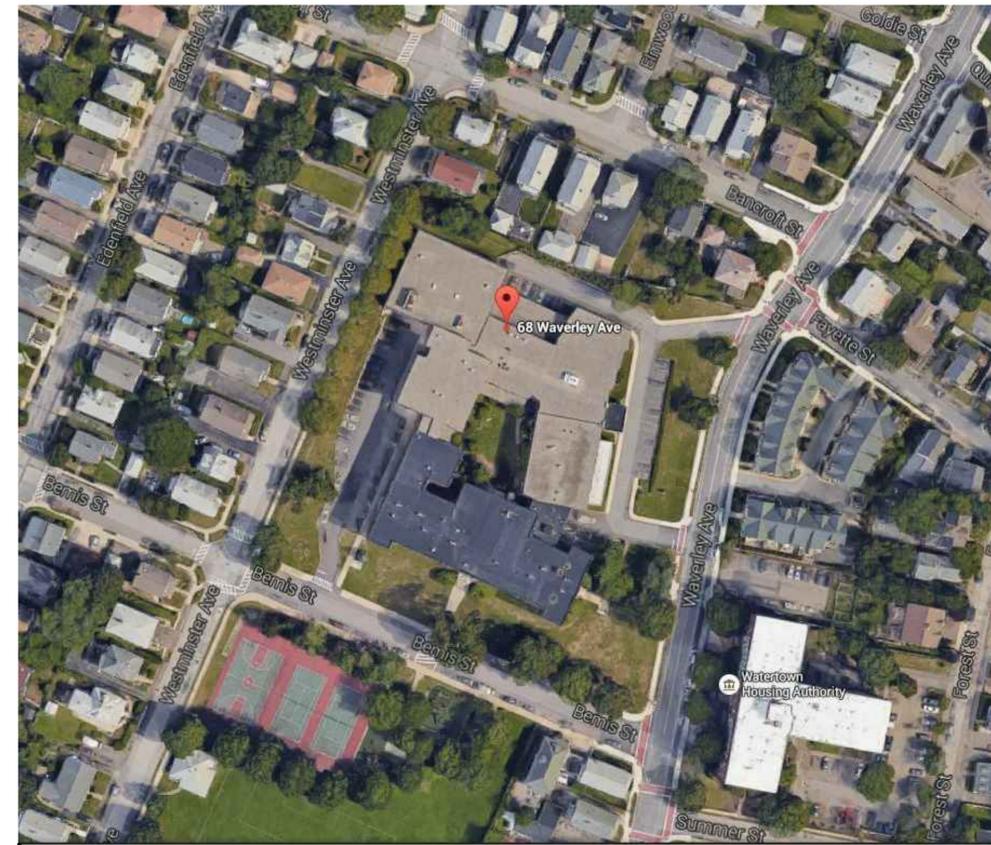
# WINDOW REPLACEMENT AND ASSOCIATED WORK

## at the WATERTOWN MIDDLE SCHOOL

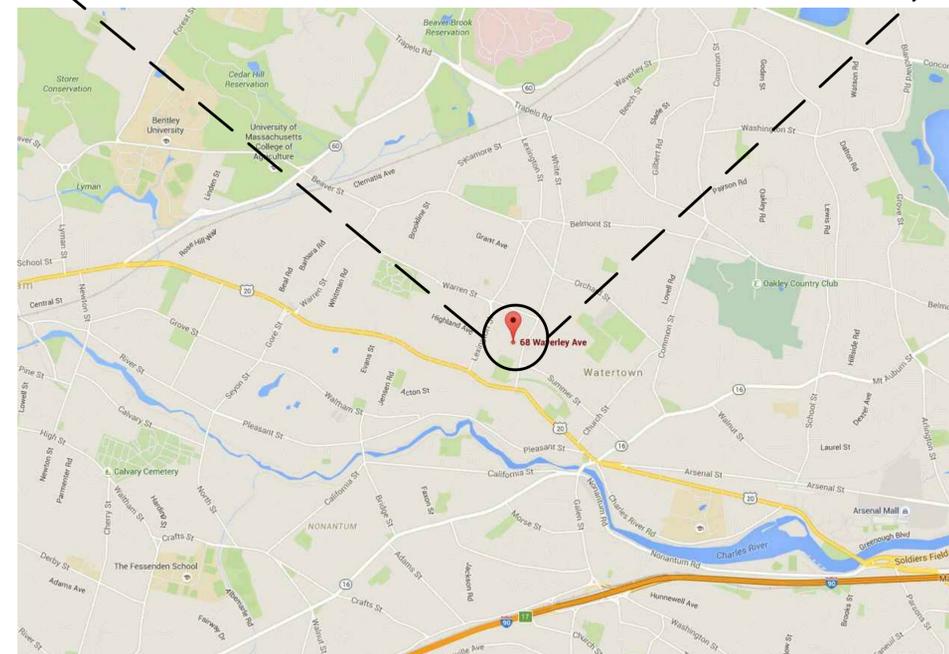
68 WAVERLEY AVENUE  
 WATERTOWN, MASSACHUSETTS 02472  
 MSBA PROJECT NO. 201501100010

PREPARED FOR  
 TOWN OF WATERTOWN  
 30 COMMON STREET  
 WATERTOWN, MASSACHUSETTS 02472

DRAWING NO	SHEET NO	TITLE
G100	1 OF 10	COVER SHEET
G101	2 OF 10	LAYDOWN PLAN AND NOTES
A201	3 OF 10	EAST, SOUTH AND WEST ELEVATIONS
A202	4 OF 10	NORTH, WEST AND HIDDEN ELEVATIONS
A203	5 OF 10	WINDOW SCHEDULE
A251	6 OF 10	MASONRY REPAIRS EAST, SOUTH AND WEST ELEVATIONS
A252	7 OF 10	MASONRY REPAIRS NORTH, WEST AND HIDDEN ELEVATIONS
A301	8 OF 10	WALL SECTION & DETAILS, TYPICAL CLASSROOM - EXISTING CONDITIONS
A302	9 OF 10	WALL SECTION & DETAILS, TYPICAL CLASSROOM - NEW
A501	10 OF 10	WINDOW DETAILS
A502	11 OF 12	WINDOW DETAILS
A503	12 OF 12	WINDOW DETAILS



SITE MAP  
 NOT TO SCALE



LOCATION MAP  
 NOT TO SCALE



Gale Associates, Inc.  
 Engineers and Planners  
 163 LIBBEY PARKWAY | WEYMOUTH, MA  
 02189 | 781.335.6465 | 781.335.6467  
 www.gainc.com

Boston Baltimore Orlando San Francisco

This drawing and the design and construction features disclosed are proprietary to Gale Associates, Inc. and shall not be altered or reused in whole or part without the express written permission of Gale Associates, Inc. Copyright©2015

FOR CONSTRUCTION

PROJECT  
 WINDOW REPLACEMENT & ASSOCIATED WORK  
 AT THE WATERTOWN MIDDLE SCHOOL  
 68 WAVERLEY AVENUE  
 WATERTOWN, MASSACHUSETTS 02472

OWNER  
 TOWN OF WATERTOWN  
 30 COMMON STREET  
 WATERTOWN, MASSACHUSETTS 02472

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	830680		
CADD FILE	830680 G100s		
DESIGNED BY	KRM		
DRAWN BY	DFH/KAK		
CHECKED BY	SRM		
DATE	NOV. 23, 2016		
DRAWING SCALE	NOT TO SCALE		

GRAPHIC SCALE

SHEET TITLE

COVER SHEET

DRAWING NO.

G100

1 OF 12

STORAGE / LAYDOWN PLAN

SCALE: 1"=30'-0"±



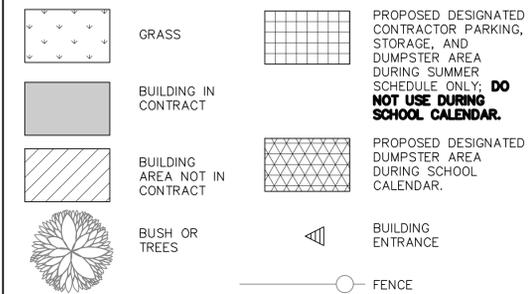
GENERAL NOTES

1. THE INFORMATION SHOWN ON THIS DRAWING HAS BEEN COMPILED FROM VARIOUS SOURCES, AND MAY NOT REFLECT THE ACTUAL CONDITIONS AT THE TIME OF CONSTRUCTION. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS IN THE FIELD.
2. FOR THE SAKE OF CLARITY, EACH INDIVIDUAL DETAIL ON THE SHEET HAS NOT BEEN INDICATED. INSTALLATION DETAILS HAVE BEEN INDICATED FOR TYPICAL COMPONENTS AT RANDOM LOCATIONS. DETAILS NOT DEPICTED SHALL BE CONSTRUCTED IN A MANNER CONSISTENT WITH THE DETAIL DRAWINGS.
3. THE BUILDING WILL REMAIN OCCUPIED DURING CONSTRUCTION. THE CONTRACTOR SHALL SCHEDULE AND EXECUTE WORK TO AVOID INTERRUPTIONS TO BUILDING OPERATIONS AND NOTIFY THE OWNER OF WORK LOCATIONS A MINIMUM OF 72 HOURS IN ADVANCE IN ORDER THAT OCCUPANCY BELOW THE WORK AREA MAY BE CONTROLLED.
4. THE CONTRACTOR IS CAUTIONED THAT DUE TO BUILDING OCCUPANCY, THE OWNER REQUIRES COMPLIANCE ON WORK HOURS, SCHEDULING, SET UP, CLEANUP, PARKING, SECURITY, ETC.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INTERIOR PROTECTION INCLUDING SUSPENDED CEILINGS, FLOORS AND EQUIPMENT PRIOR TO DEMOLITION. ONCE REMOVAL IS COMPLETE FOR THE DAY, THE PROTECTIVE COVERING SHALL BE REMOVED AND THE INTERIOR AREAS CLEANED.
6. CONTRACTOR SET UP AND STORAGE AREA SHALL BE DESIGNATED BY THE OWNER.
7. CRITICAL AREAS OF WORK MUST BE SUBSTANTIALLY COMPLETE WITHIN SUMMER SCHEDULE. CRITICAL AREAS INCLUDE ALL WINDOWS ON THE 1ST AND 2ND FLOOR. BASEMENT WINDOWS ARE NOT CONSIDERED CRITICAL. REFER TO THE CONTRACT SPECIFICATIONS FOR SUMMER SCHEDULE DATES.

WINDOW NOTES

1. ANY CONDITION NOT DETAILED SHALL BE CONSTRUCTED IN A MANNER SIMILAR TO THAT OF THE TYPICAL DETAILS.
2. WINDOW OPENING DIMENSIONS ARE SHOWN AS APPROXIMATE AND ARE ROUGH OPENING DIMENSION. ACTUAL FIELD DIMENSIONS MAY VARY. THE CONTRACTOR MUST FIELD VERIFY ALL DIMENSIONS PRIOR TO ORDERING WINDOWS.
3. PATCH, REPAIR AND PAINT EXISTING INTERIOR FINISHES OF WALLS AND CEILINGS TO MATCH SURROUNDING SURFACES. PATCH ALL HOLES RESULTING FROM THE WORK AND PAINT TO MATCH EXISTING.
4. INSTALL INSECT SCREENS AT ALL OPERABLE WINDOW LOCATIONS.
5. INSTALL TINTED GLASS AT ALL ELEVATIONS.
6. REFER TO ELEVATION DRAWINGS FOR WINDOW TYPE LOCATIONS.
7. WINDOW BLINDS AND SHADES ARE TO BE REMOVED AND REPLACED. NEW SHADES SHALL BE INSTALLED AT EXISTING LOCATIONS.
8. WINDOW COMPONENTS CONTAIN ASBESTOS CONTAINING MATERIALS AND LEAD-BASED PAINT. CONTRACTOR TO COMPLY WITH ALL REGULATIONS RELATING TO REMOVAL OF SUCH COMPONENTS. REFER TO THE CONTRACT SPECIFICATIONS FOR MORE INFORMATION.

STORAGE/SET UP LEGEND



TRADE DESIGNATION SYMBOLS



Gale Associates, Inc.  
Engineers and Planners  
163 LIBBEY PARKWAY | WEYMOUTH, MA  
02189 | 781.335.6465 | 781.335.6467  
www.gaic.com

Boston Baltimore Orlando San Francisco

This drawing and the design and construction features disclosed are proprietary to Gale Associates, Inc. and shall not be altered or reused in whole or part without the express written permission of Gale Associates, Inc. Copyright©2015

**FOR CONSTRUCTION**

PROJECT  
**WINDOW REPLACEMENT & ASSOCIATED WORK AT THE WATERTOWN MIDDLE SCHOOL**  
68 WAVERLEY AVENUE  
WATERTOWN, MASSACHUSETTS 02472

OWNER  
TOWN OF WATERTOWN  
30 COMMON STREET  
WATERTOWN, MASSACHUSETTS 02472

NO.	DATE	DESCRIPTION	BY
PROJECT NO.		830680	
CADD FILE		830680 G100s	
DESIGNED BY		KRM	
DRAWN BY		DFH/KAK	
CHECKED BY		SRM	
DATE		NOV. 23, 2016	
DRAWING SCALE		AS NOTED	

GRAPHIC SCALE

SHEET TITLE

LAYDOWN PLAN AND NOTES

DRAWING NO.

G101

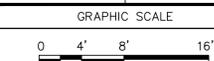
2 OF 12

**FOR CONSTRUCTION**

PROJECT  
**WINDOW REPLACEMENT & ASSOCIATED WORK  
AT THE WATERTOWN MIDDLE SCHOOL**  
68 WAVERLEY AVENUE  
WATERTOWN, MASSACHUSETTS 02472

OWNER  
TOWN OF WATERTOWN  
30 COMMON STREET  
WATERTOWN, MASSACHUSETTS 02472

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	830680		
CADD FILE	830680 A200s		
DESIGNED BY	KRM		
DRAWN BY	DFH/KAK		
CHECKED BY	SRM		
DATE	NOV. 23, 2016		
DRAWING SCALE	1/8"=1'-0"		

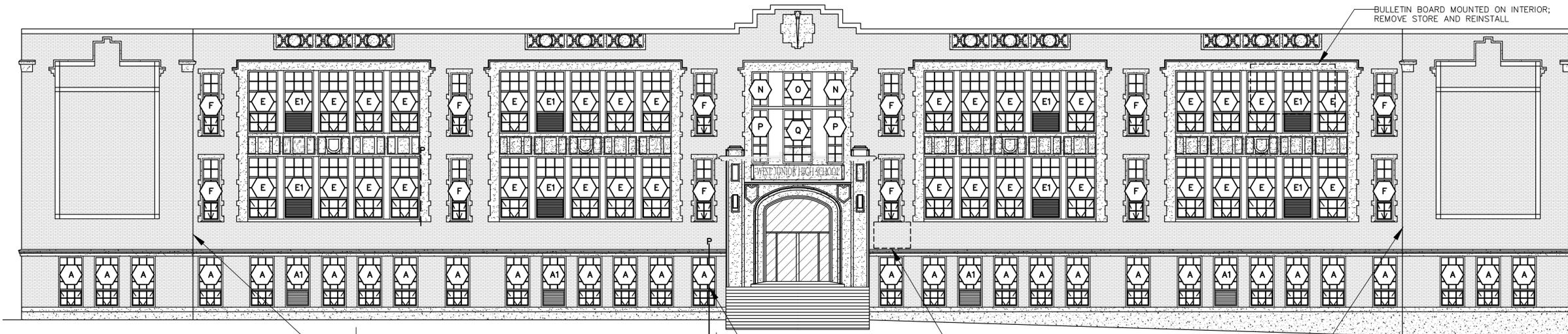


SHEET TITLE

**EAST,  
SOUTH & WEST  
ELEVATIONS**

DRAWING NO.

**A201**



**1 SOUTH ELEVATION**  
SCALE: 1/8"=1'-0"

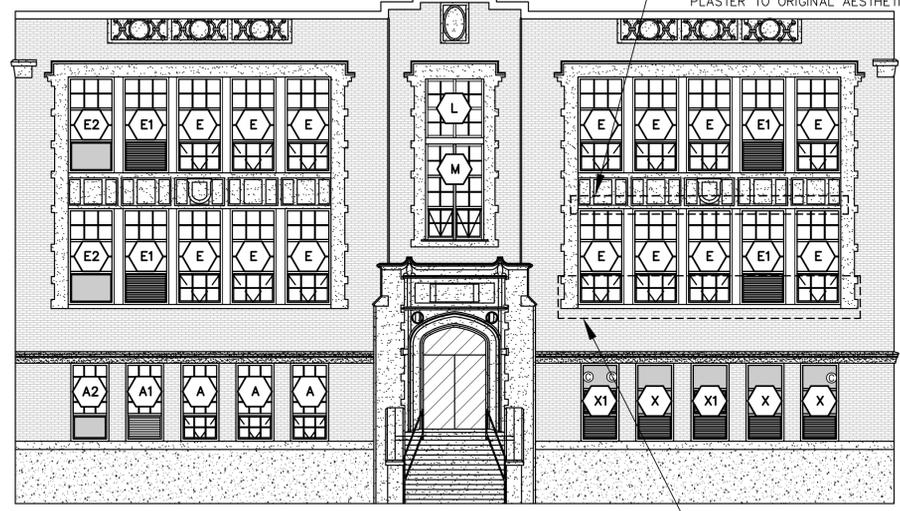
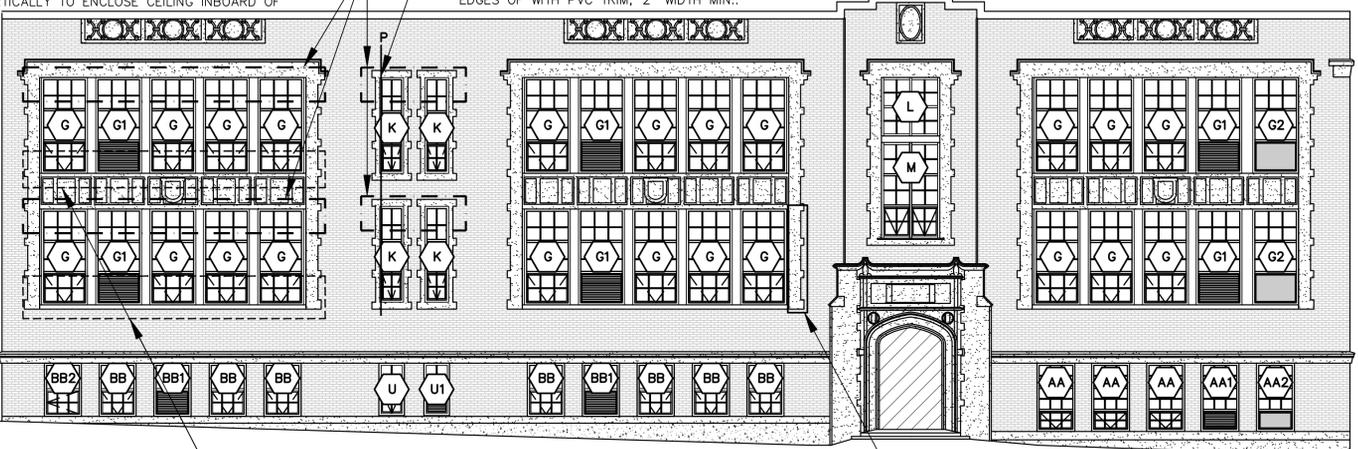
HARD PLASTER CEILING; REMOVE PORTION OF CEILING AS REQUIRED TO ACCESS WINDOW HEAD. REPAIR AND PAINT PLASTER TO ORIGINAL AESTHETIC. INSTALL GYPSUM WALL BOARD VERTICALLY TO ENCLOSE CEILING INBOARD OF WINDOW.

GYPSUM WALL BOARD PARTITION WALL ABUTS JAMB FRAME; CUT BACK AS REQUIRED TO INSTALL NEW WINDOW. ENCLOSE EDGES OF WITH PVC TRIM; 2" WIDTH MIN..

DRYWALL PARTITION EXTENDS OVER SILL; MODIFY AS REQUIRED TO INSTALL NEW WINDOW AND PVC TRIM

REPAIR INTERIOR PLASTER; APPROX. 20 SF

HARD PLASTER CEILING ABUTS FRAMES; NOTCHED AT FRAMES. REMOVE PORTION OF CEILING AS REQUIRED TO ACCESS WINDOW HEAD. REPAIR AND PAINT PLASTER TO ORIGINAL AESTHETIC.



**2 EAST ELEVATION**  
SCALE: 1/8"=1'-0"

**3 WEST ELEVATION**  
SCALE: 1/8"=1'-0"

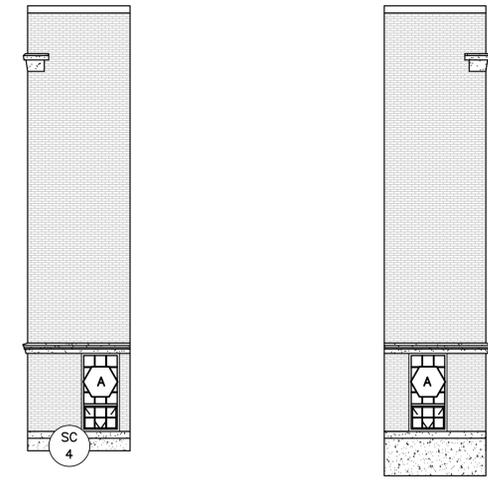
BUILT IN COUNTERS OBSTRUCTS INTERIOR WINDOW ACCESS; PROTECT

SECURITY SCREENS AT LOWER WINDOWS

INTERIOR ELECTRICAL CONDUIT ON WINDOW JAMB; RELOCATE TO ADJACENT INTERIOR WALL

SECURITY SCREENS AT LOWER WINDOWS

BUILT IN COUNTERS OBSTRUCTS INTERIOR WINDOW ACCESS; PROTECT

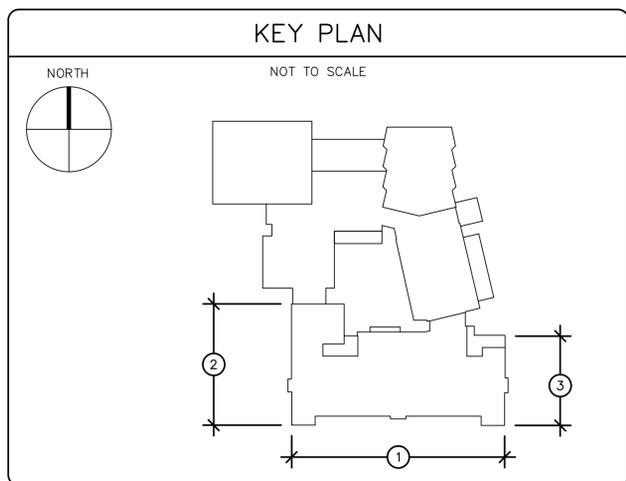


**A HIDDEN ELEVATION**

**B HIDDEN ELEVATION**

**LEGEND**

- INSULATED METAL PANEL
- LOUVER
- WINDOW DESIGNATION
- CAST STONE
- CONCRETE
- BRICK
- NOT IN CONTRACT (N.I.C.)
- PARTITION WALL; PROTECT
- CONDUIT PENETRATION

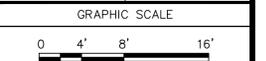


**FOR CONSTRUCTION**

PROJECT  
WINDOW REPLACEMENT & ASSOCIATED WORK  
AT THE WATERTOWN MIDDLE SCHOOL  
68 WAVERLEY AVENUE  
WATERTOWN, MASSACHUSETTS 02472

OWNER  
TOWN OF WATERTOWN  
30 COMMON STREET  
WATERTOWN, MASSACHUSETTS 02472

NO.	DATE	DESCRIPTION	BY
PROJECT NO.		830680	
CADD FILE		830680 A200s	
DESIGNED BY		KRM	
DRAWN BY		DFH/KAK	
CHECKED BY		SRM	
DATE		NOV. 23, 2016	
DRAWING SCALE		1/8"=1'-0"	

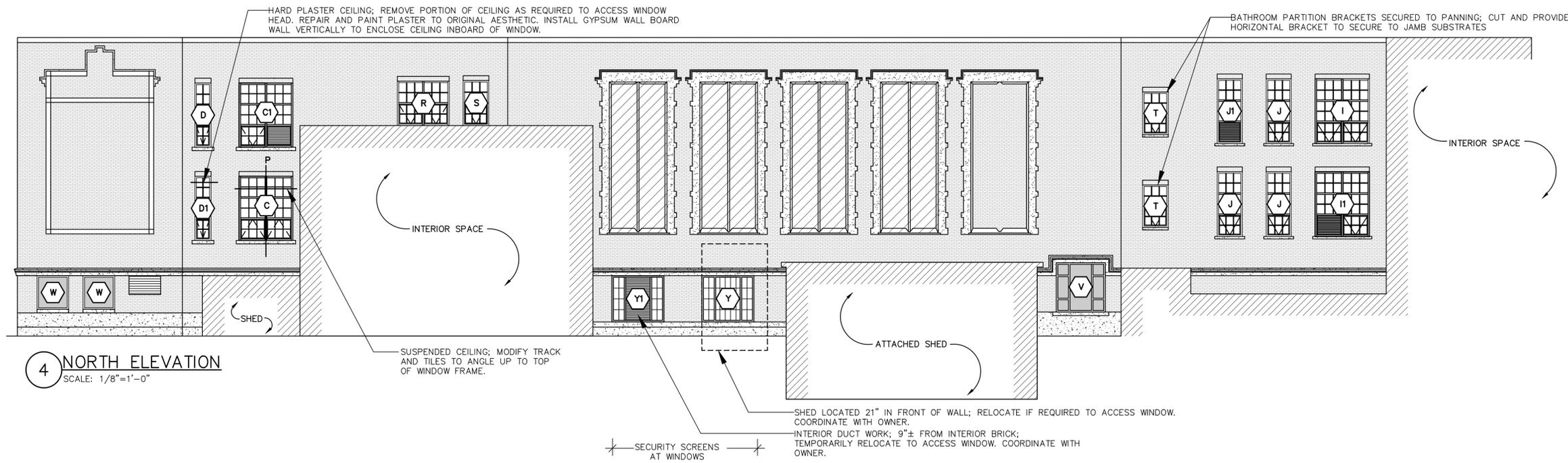


SHEET TITLE

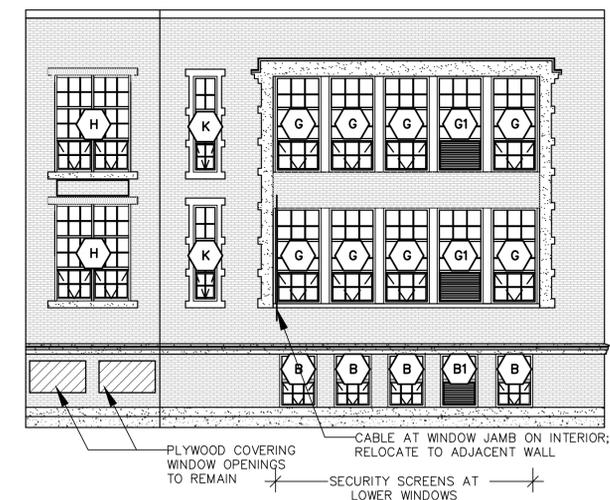
**NORTH, WEST AND HIDDEN ELEVATIONS**

DRAWING NO.

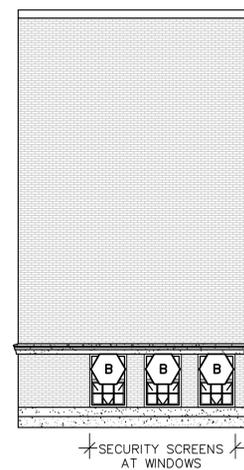
**A202**



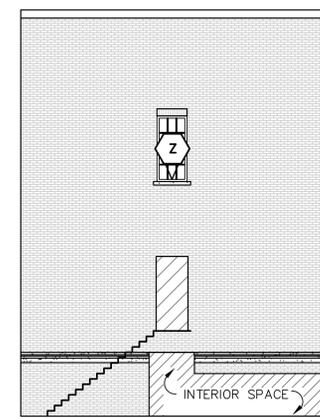
**4 NORTH ELEVATION**  
SCALE: 1/8"=1'-0"



**5 WEST ELEVATION**  
SCALE: 1/8"=1'-0"



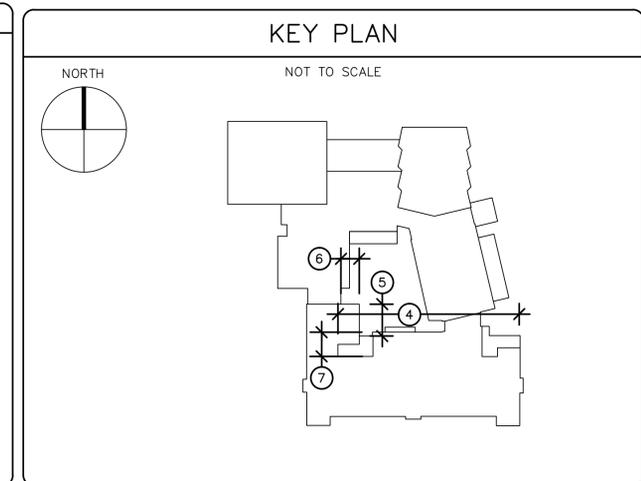
**6 PARTIAL NORTH ELEVATION**  
SCALE: 1/8"=1'-0"

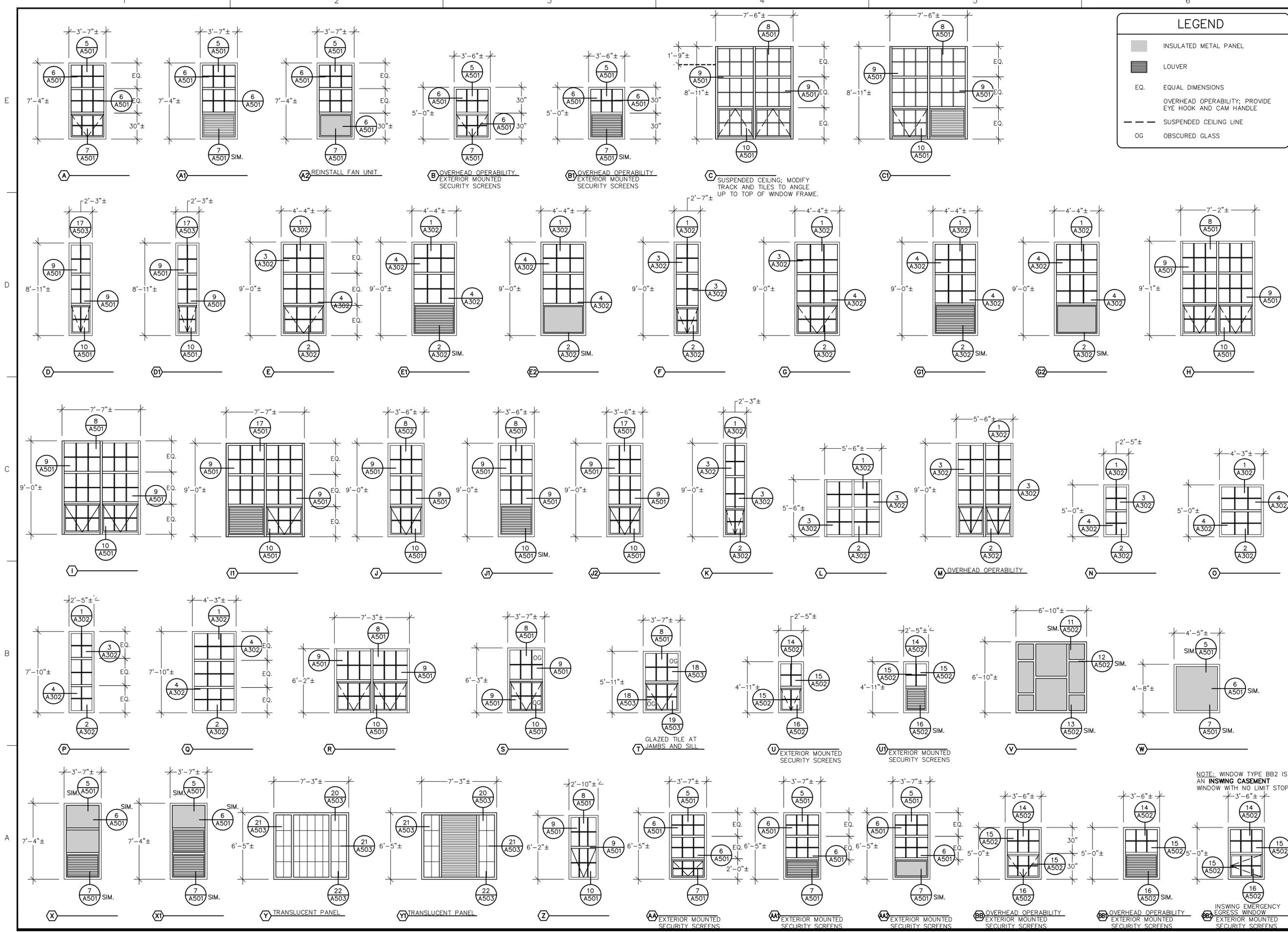


**7 HIDDEN WEST ELEVATION**  
SCALE: 1/8"=1'-0"

**LEGEND**

- INSULATED METAL PANEL
- LOUVER
- WINDOW DESIGNATION
- CAST STONE
- CONCRETE
- BRICK
- NOT IN CONTRACT (N.I.C.)
- PARTITION WALL; PROTECT
- CONDUIT PENETRATION





**LEGEND**

- INSULATED METAL PANEL
- LOUVER
- EQ. EQUAL DIMENSIONS
- OVERHEAD OPERABILITY; PROVIDE EYE HOOK AND CAM HANDLE
- SUSPENDED CEILING LINE
- OG OBSCURED GLASS

**GALE**  
 Gale Associates, Inc.  
 Engineers and Planners  
 163 LIBBEY PARKWAY | WEYMOUTH, MA  
 02189 | 781.335.6465 | 781.335.6467  
 www.gale.com  
 Boston Baltimore Orlando San Francisco

This drawing and the design and construction features disclosed are proprietary to Gale Associates, Inc. and shall not be altered or reused in whole or part without the express written permission of Gale Associates, Inc. Copyright © 2015

**FOR CONSTRUCTION**

PROJECT  
**WINDOW REPLACEMENT & ASSOCIATED WORK AT THE WATERTOWN MIDDLE SCHOOL**  
 OWNER  
**TOWN OF WATERTOWN**  
 30 COMMON STREET  
 WATERTOWN, MASSACHUSETTS 02472

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	830680		
CADD FILE	830680 A200s		
DESIGNED BY	KRM		
DRAWN BY	DFH/KAK		
CHECKED BY	SRM		
DATE	NOV. 23, 2016		
DRAWING SCALE	1/4"=1'-0"		

GRAPHIC SCALE  
 0 2' 4' 8'

SHEET TITLE  
**WINDOW SCHEDULE**

DRAWING NO.  
**A203**

5 OF 12

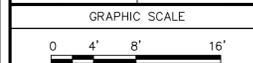


**FOR CONSTRUCTION**

PROJECT  
WINDOW REPLACEMENT & ASSOCIATED WORK  
AT THE WATERTOWN MIDDLE SCHOOL  
68 WAVERLEY AVENUE  
WATERTOWN, MASSACHUSETTS 02472

OWNER  
TOWN OF WATERTOWN  
30 COMMON STREET  
WATERTOWN, MASSACHUSETTS 02472

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	830680		
CADD FILE	830680 A200s		
DESIGNED BY	KRM		
DRAWN BY	DFH/KAK		
CHECKED BY	SRM		
DATE	NOV. 23, 2016		
DRAWING SCALE	1/8"=1'-0"		



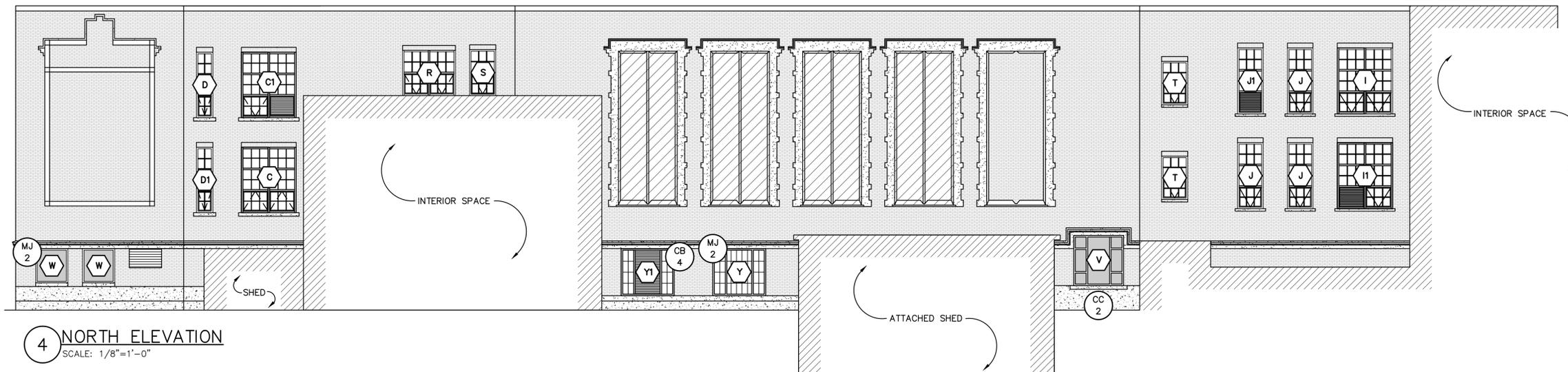
SHEET TITLE

**MASONRY REPAIRS  
NORTH, WEST  
AND HIDDEN  
ELEVATIONS**

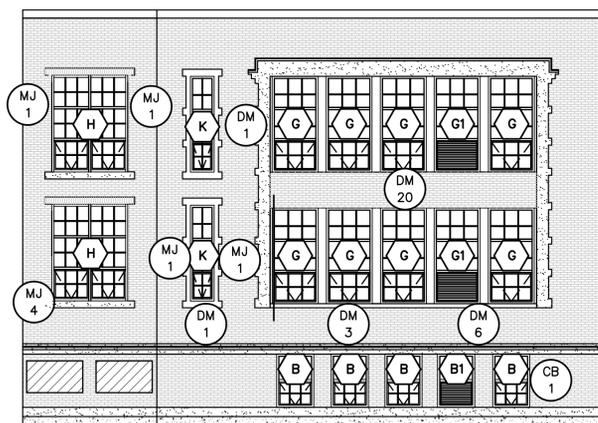
DRAWING NO.

**A252**

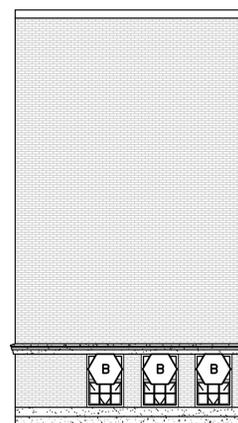
7 OF 12



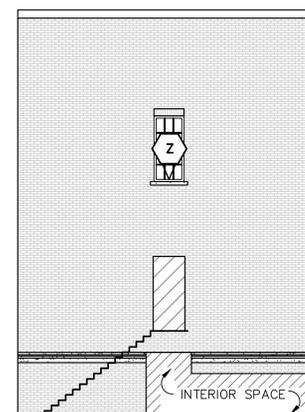
**4 NORTH ELEVATION**  
SCALE: 1/8"=1'-0"



**5 WEST ELEVATION**  
SCALE: 1/8"=1'-0"



**6 PARTIAL NORTH ELEVATION**  
SCALE: 1/8"=1'-0"



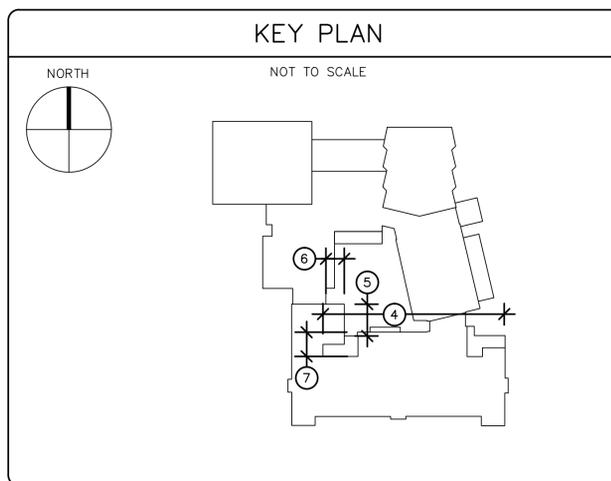
**7 HIDDEN WEST ELEVATION**  
SCALE: 1/8"=1'-0"

**REPAIR LEGEND**

- SC # - REPAIR SPALLED CAST STONE # INDICATES SQUARE FEET
- CC # - REPAIR CRACKED CAST STONE # INDICATES LINEAR FEET
- DC - REPLACE DAMAGED CAST STONE SILL; (FULL WIDTH OF STONE)
- DM # - REPOINT MORTAR JOINT # INDICATES SQUARE FEET
- MJ # - REPOINT MORTAR JOINT # INDICATES LINEAR FEET
- CB # - REPLACE CRACKED BRICK # INDICATES UNITS
- AG # - REMOVE ALGAE GROWTH # INDICATES SQUARE FEET
- ER # - REPAIR SPALLED CONCRETE WITH EXPOSED REINFORCING STEEL # INDICATED LINEAR FEET
- VG - REMOVE VEGETATIVE GROWTH

**LEGEND**

- [Pattern] INSULATED METAL PANEL
- [Pattern] LOUVER
- [Hexagon A] WINDOW DESIGNATION
- [Pattern] CAST STONE
- [Pattern] CONCRETE
- [Pattern] BRICK
- [Pattern] NOT IN CONTRACT (N.I.C.)
- P | I PARTITION WALL; PROTECT
- © CONDUIT PENETRATION



**FOR CONSTRUCTION**

PROJECT  
**WINDOW REPLACEMENT & ASSOCIATED WORK  
AT THE WATERTOWN MIDDLE SCHOOL**  
68 WAVERLEY AVENUE  
WATERTOWN, MASSACHUSETTS 02472

OWNER  
**TOWN OF WATERTOWN  
30 COMMON STREET  
WATERTOWN, MASSACHUSETTS 02472**

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	830680		
CADD FILE	830680 A300_500		
DESIGNED BY	KRM		
DRAWN BY	DFH/KAK		
CHECKED BY	SRM		
DATE	NOV. 23, 2016		
DRAWING SCALE	AS NOTED		

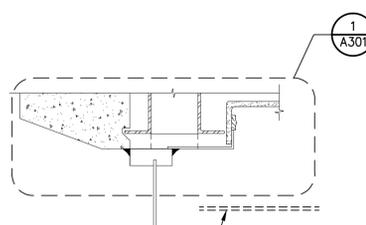
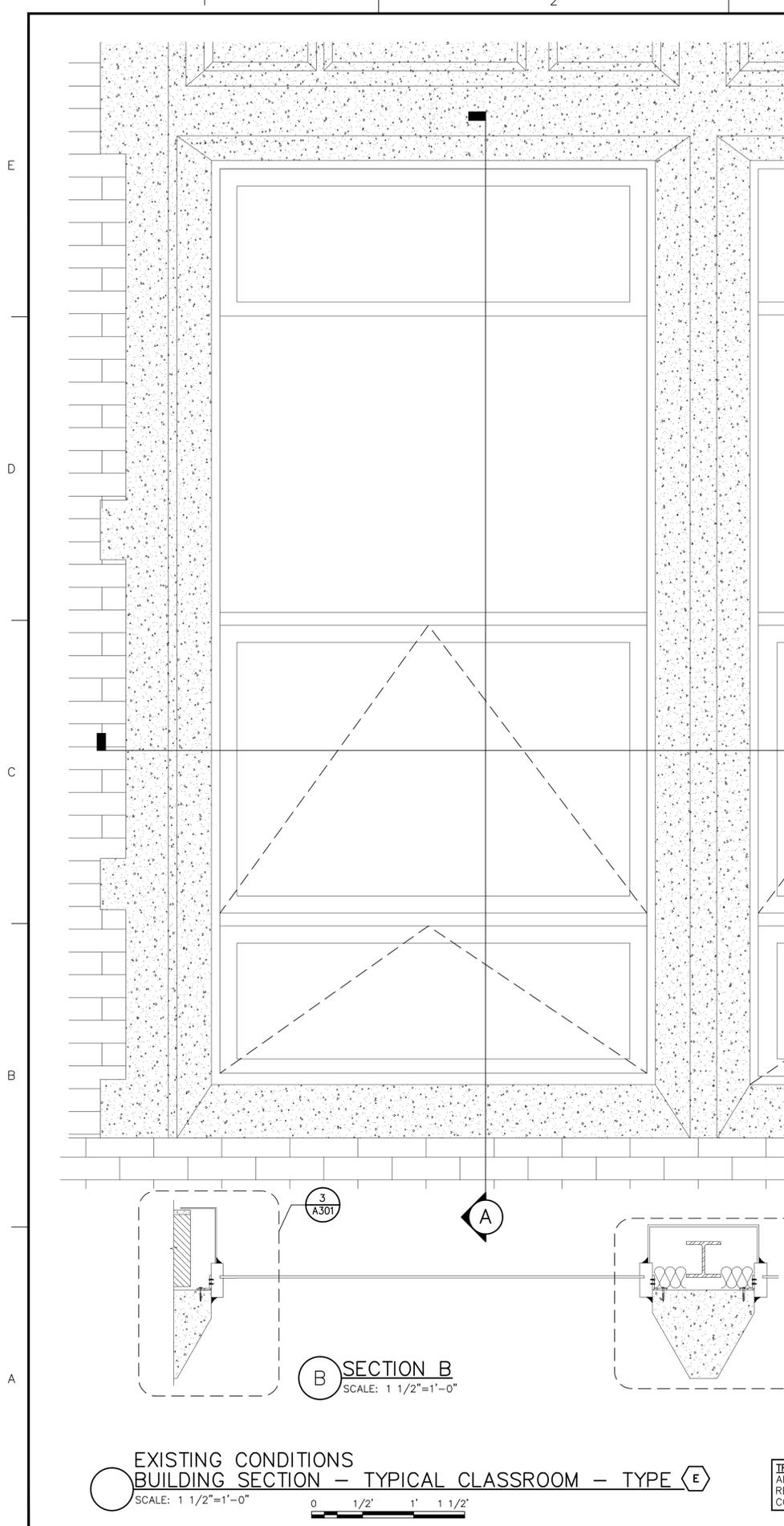
SHEET TITLE

**WALL SECTION &  
DETAILS, TYPICAL  
CLASSROOM  
EXISTING  
CONDITIONS**

DRAWING NO.

**A301**

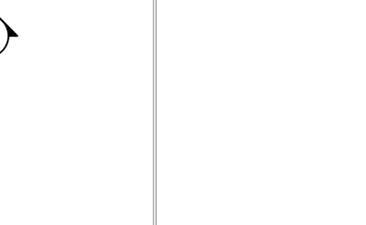
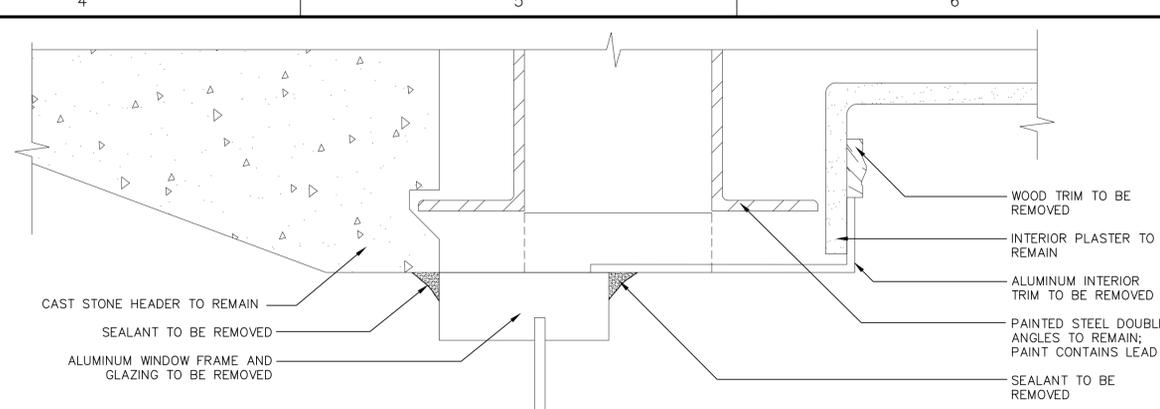
8 OF 12



NOTE: TEMPORARILY REMOVE CEILING TILES AND TRACK TO ACCESS WINDOW HEAD. RE-INSTALL TRACK AND TILES. INSTALL NEW TILES VERTICALLY TO ENCLOSE CEILING INBOARD OF WINDOW. CEILING TILE HEIGHT VARIES THROUGHOUT ELEVATIONS.

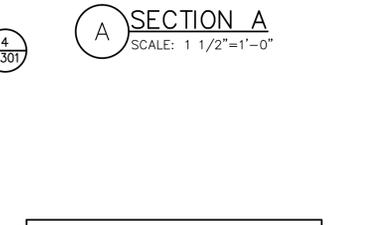
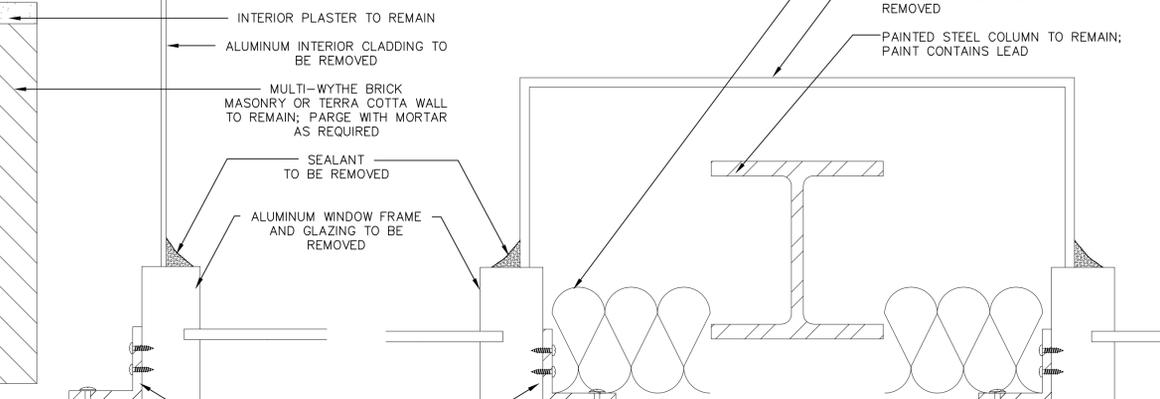
**EXISTING CONDITIONS CLASSROOM HEADER**

SCALE: 6"=1'-0" NOTE: ALL ITEMS ARE EXISTING



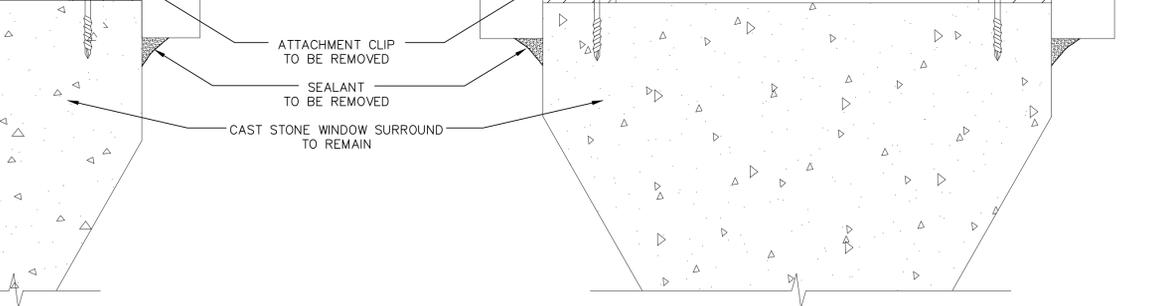
**EXISTING CONDITIONS CLASSROOM SILL**

SCALE: 6"=1'-0" NOTE: ALL ITEMS ARE EXISTING



**EXISTING CONDITIONS CLASSROOM JAMB**

SCALE: 6"=1'-0" NOTE: ALL ITEMS ARE EXISTING



NOTE: THE GLAZING CAULK HAVE BEEN TESTED AND CONTAIN ASBESTOS. REMOVE AND DISPOSE OF ASBESTOS CONTAINING MATERIAL IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS AND EPA, FEDERAL, STATE, AND CITY REGULATIONS.

TRADE NOTE:  
ALL WORK ON THIS SHEET IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR UNLESS OTHERWISE NOTED.

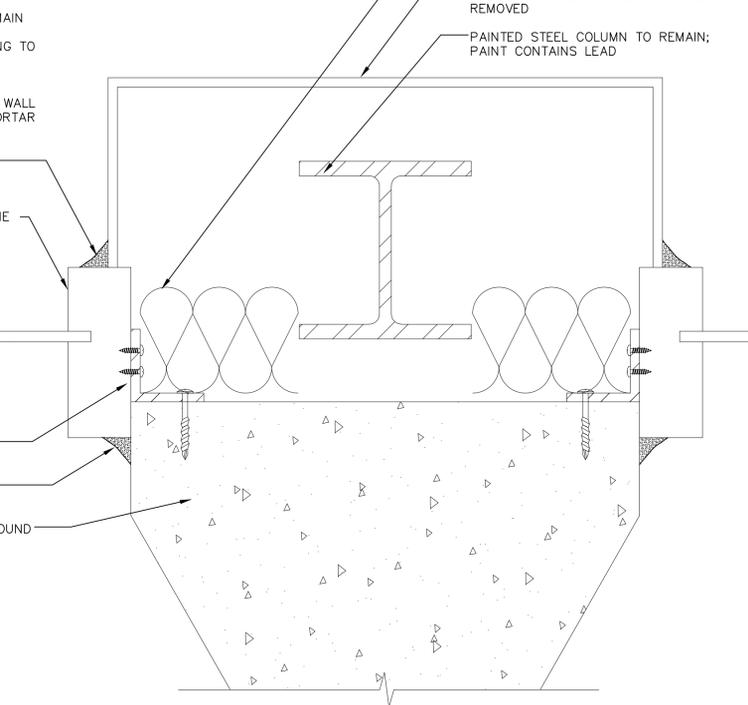
**EXISTING CONDITIONS BUILDING SECTION - TYPICAL CLASSROOM - TYPE E**

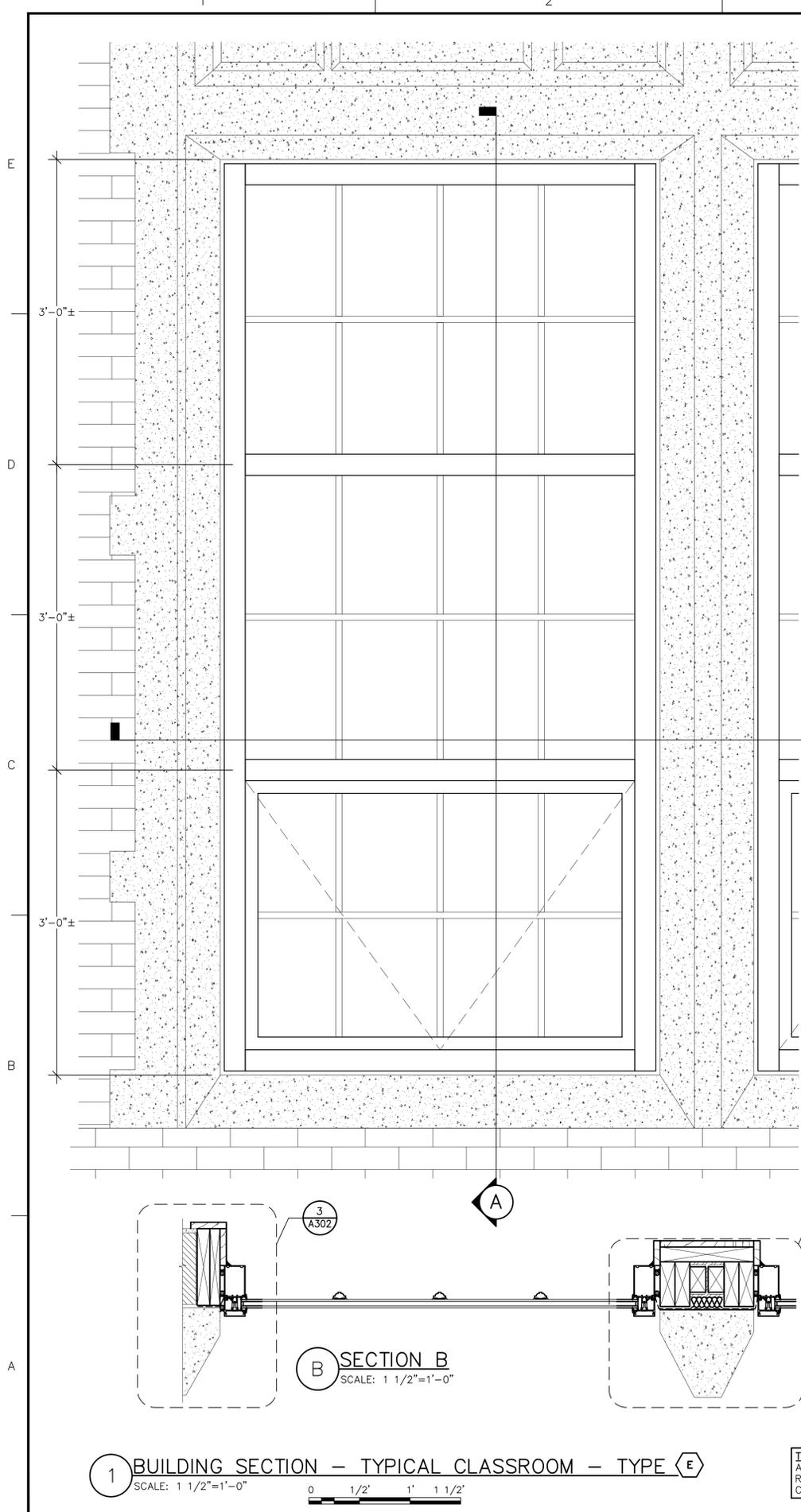
SCALE: 1 1/2"=1'-0" NOTE: ALL ITEMS ARE EXISTING



**EXISTING CONDITIONS CAST STONE MULLION**

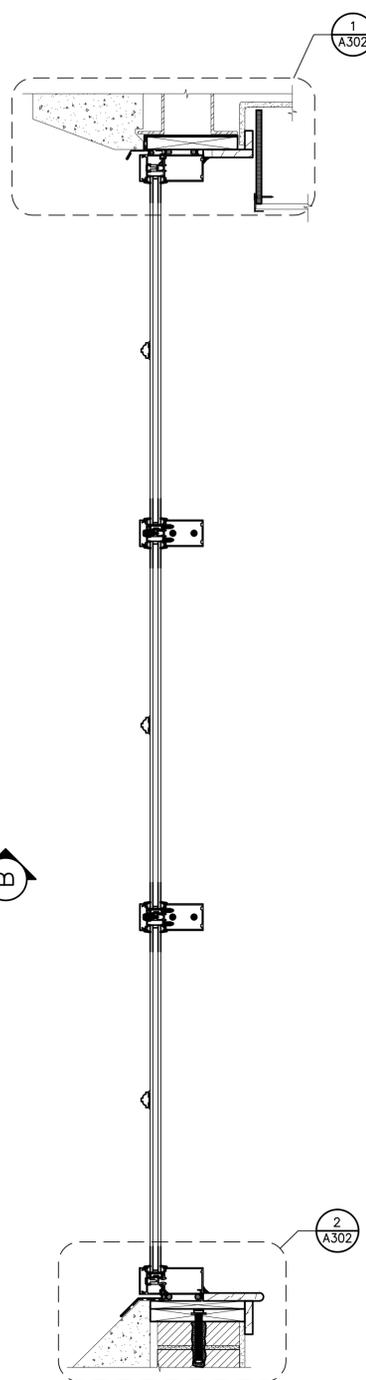
SCALE: 6"=1'-0" NOTE: ALL ITEMS ARE EXISTING



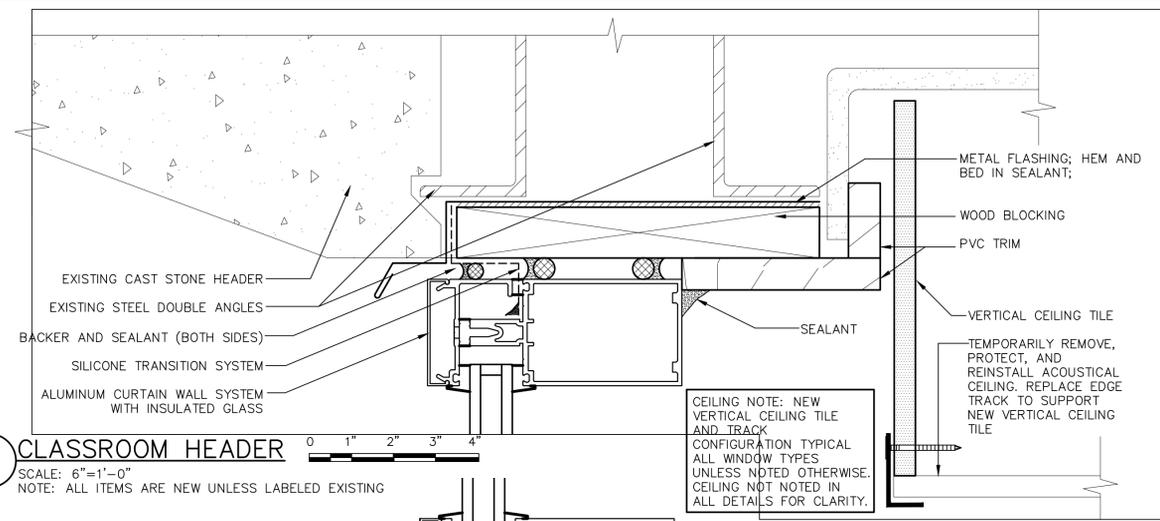


**1 BUILDING SECTION - TYPICAL CLASSROOM - TYPE E**  
 SCALE: 1 1/2"=1'-0"  
 0 1/2' 1' 1 1/2'

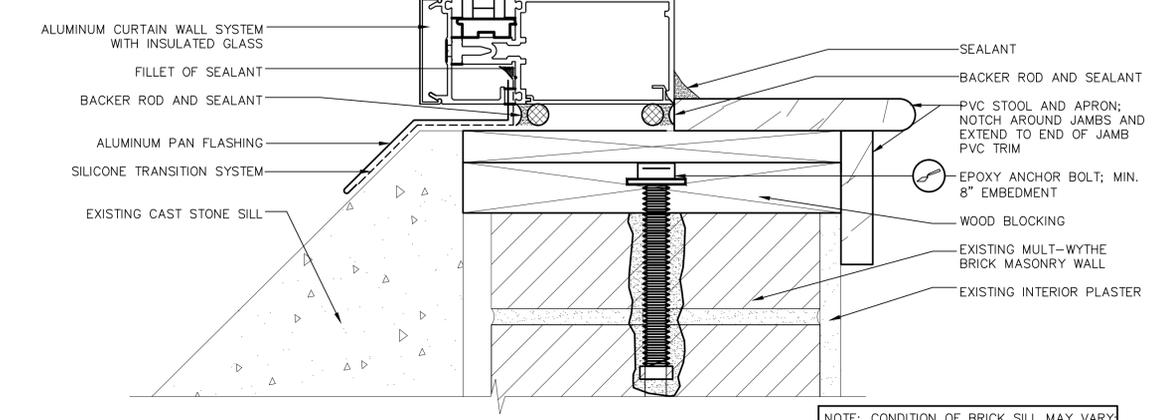
**TRADE NOTE:**  
 ALL WORK ON THIS SHEET IS THE  
 RESPONSIBILITY OF THE GENERAL  
 CONTRACTOR UNLESS OTHERWISE NOTED



**1 CLASSROOM HEADER**  
 SCALE: 6"=1'-0"  
 NOTE: ALL ITEMS ARE NEW UNLESS LABELED EXISTING

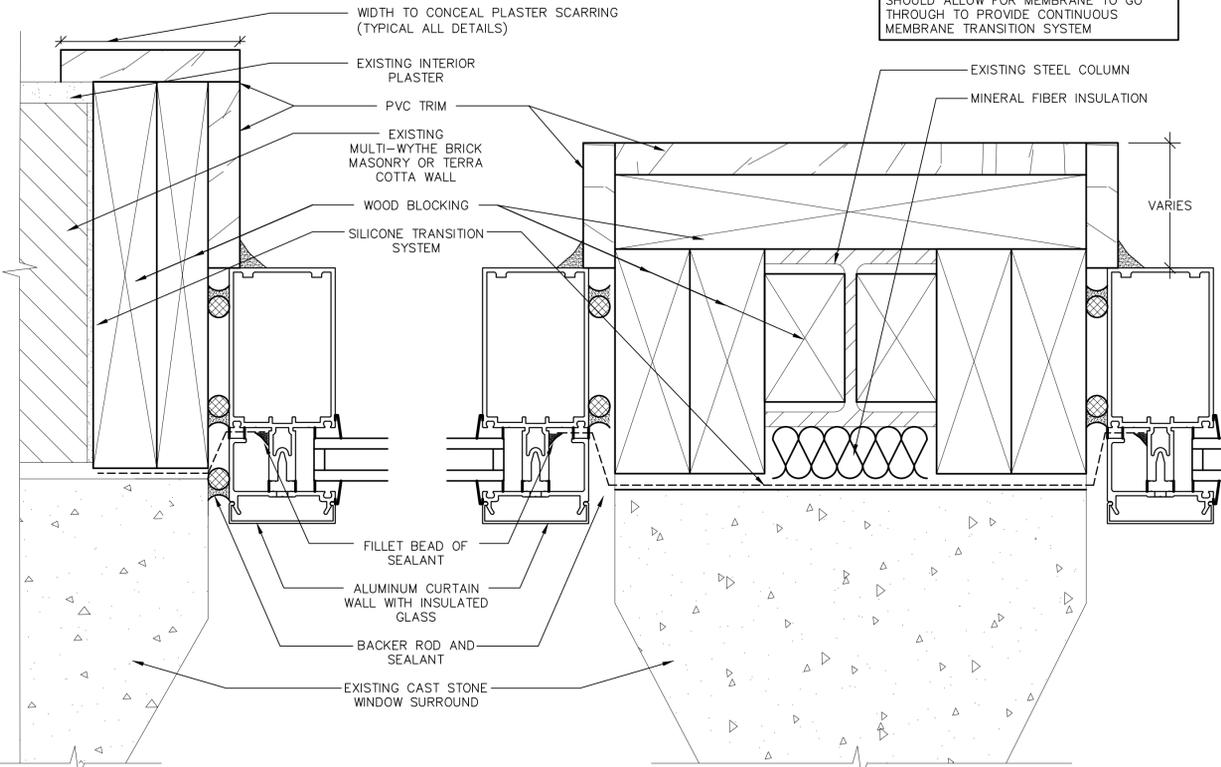


**2 CLASSROOM SILL**  
 SCALE: 6"=1'-0"  
 NOTE: ALL ITEMS ARE NEW UNLESS LABELED EXISTING



**3 CLASSROOM JAMB**  
 SCALE: 6"=1'-0"  
 NOTE: ALL ITEMS ARE NEW UNLESS LABELED EXISTING

**4 CAST STONE MULLION**  
 SCALE: 6"=1'-0"  
 NOTE: ALL ITEMS ARE NEW UNLESS LABELED EXISTING



**GALE**  
 Gale Associates, Inc.  
 Engineers and Planners  
 163 LIBBEY PARKWAY | WEYMOUTH, MA  
 02189 | 781.335.6465 | 781.335.6467  
 www.gaic.com  
 Boston Baltimore Orlando San Francisco

This drawing and the design and construction features disclosed are proprietary to Gale Associates, Inc. and shall not be altered or reused in whole or part without the express written permission of Gale Associates, Inc. Copyright©2015

**FOR CONSTRUCTION**

**PROJECT**  
 WINDOW REPLACEMENT & ASSOCIATED WORK  
 AT THE WATERTOWN MIDDLE SCHOOL  
 68 WAVERLEY AVENUE  
 WATERTOWN, MASSACHUSETTS 02472

**OWNER**  
 TOWN OF WATERTOWN  
 30 COMMON STREET  
 WATERTOWN, MASSACHUSETTS 02472

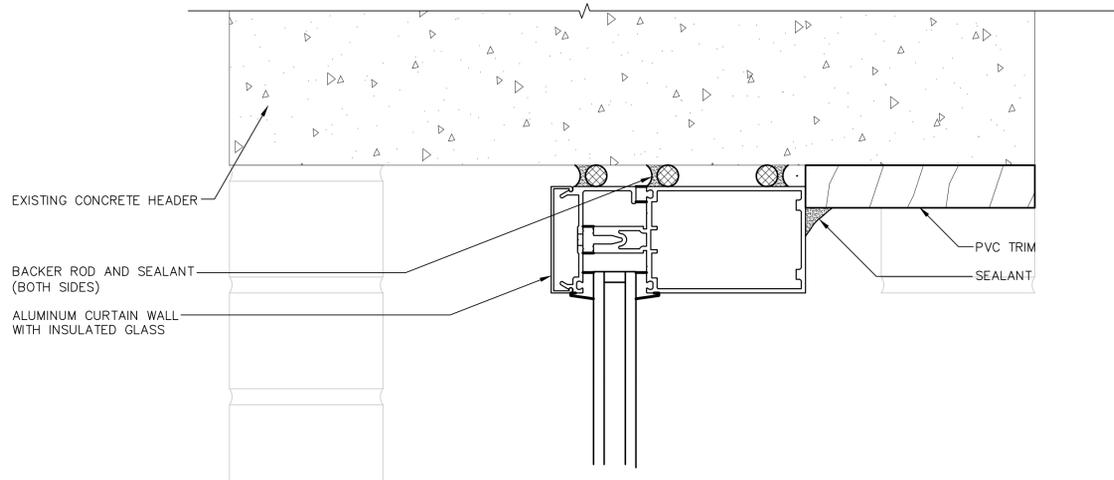
NO.	DATE	DESCRIPTION	BY
PROJECT NO.	830680		
CADD FILE	830680 A300_500		
DESIGNED BY	KRM		
DRAWN BY	DFH/KAK		
CHECKED BY	SRM		
DATE	NOV. 23, 2016		
DRAWING SCALE	AS NOTED		
GRAPHIC SCALE			

**SHEET TITLE**  
 WALL SECTION &  
 DETAILS, TYPICAL  
 CLASSROOM -  
 NEW

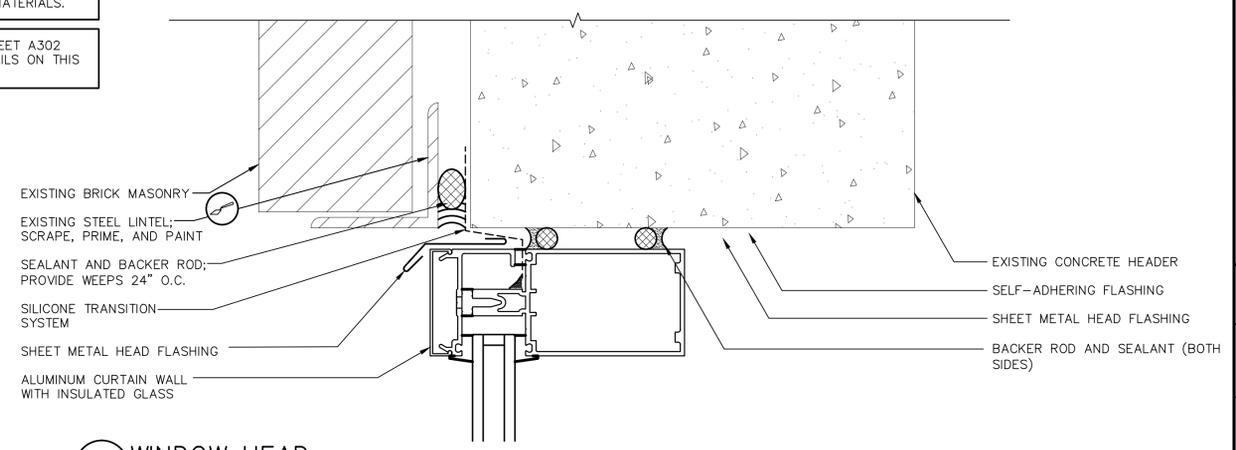
**DRAWING NO.**  
 A302  
 9 OF 12

NOTE: FOR ALL DETAILS ON THIS SHEET, WINDOW SHALL BE INSTALLED AT PLANE MOST PRACTICAL TO PROVIDE SOLID SUBSTRATE ATTACHMENT AND LIMIT SCARRING FROM REMOVED MATERIALS.

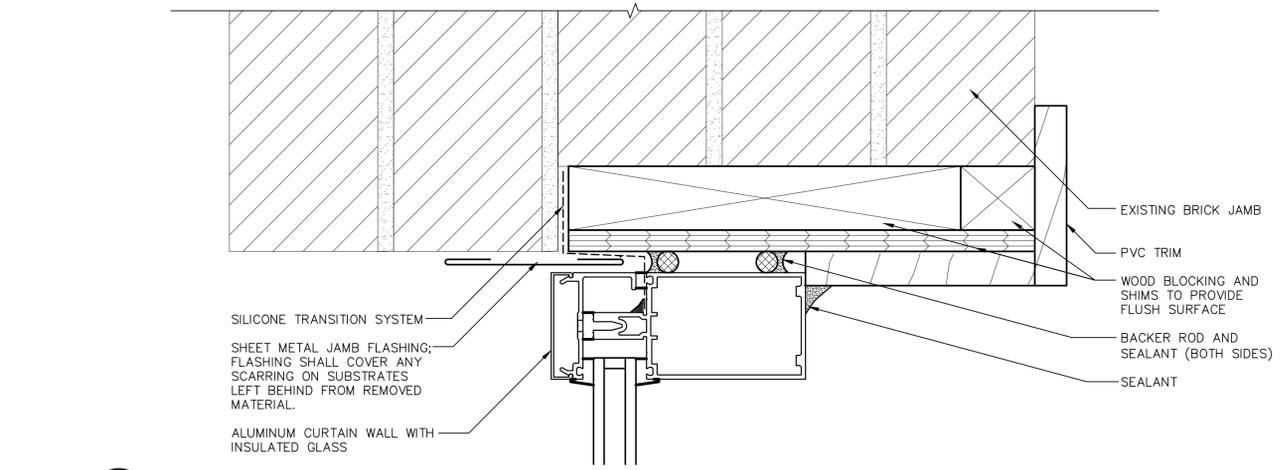
NOTE: CEILING NOTE ON SHEET A302 APPLIES TO ALL HEAD DETAILS ON THIS SHEET.



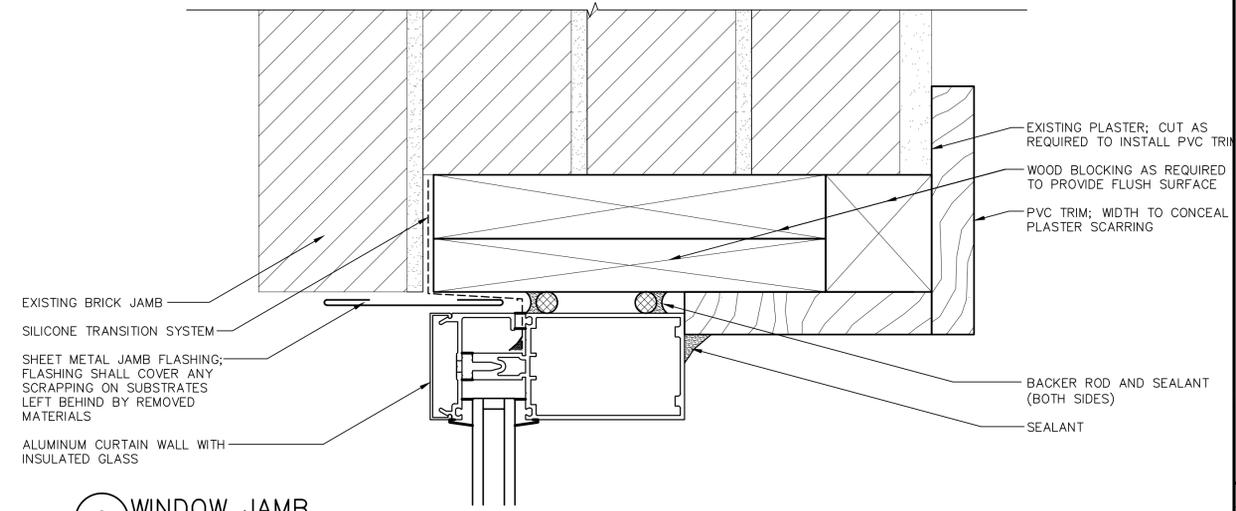
**5 WINDOW HEAD**  
SCALE: 6"=1'-0"  
(NOTE: ALL ITEMS ARE NEW UNLESS DESIGNATED EXISTING)



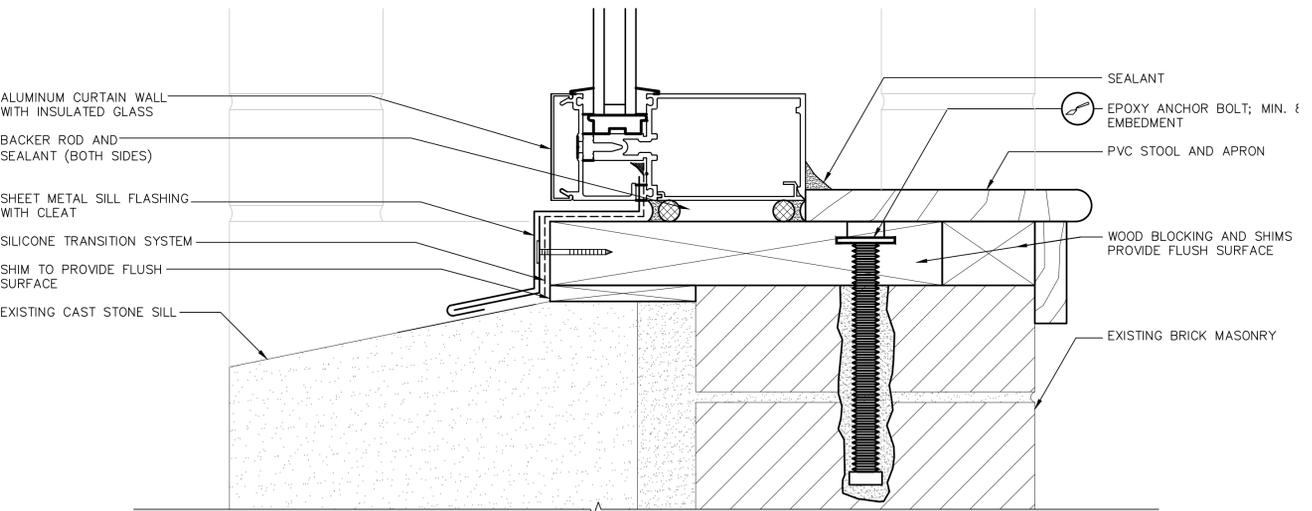
**8 WINDOW HEAD**  
SCALE: 6"=1'-0"  
(NOTE: ALL ITEMS ARE NEW UNLESS DESIGNATED EXISTING)



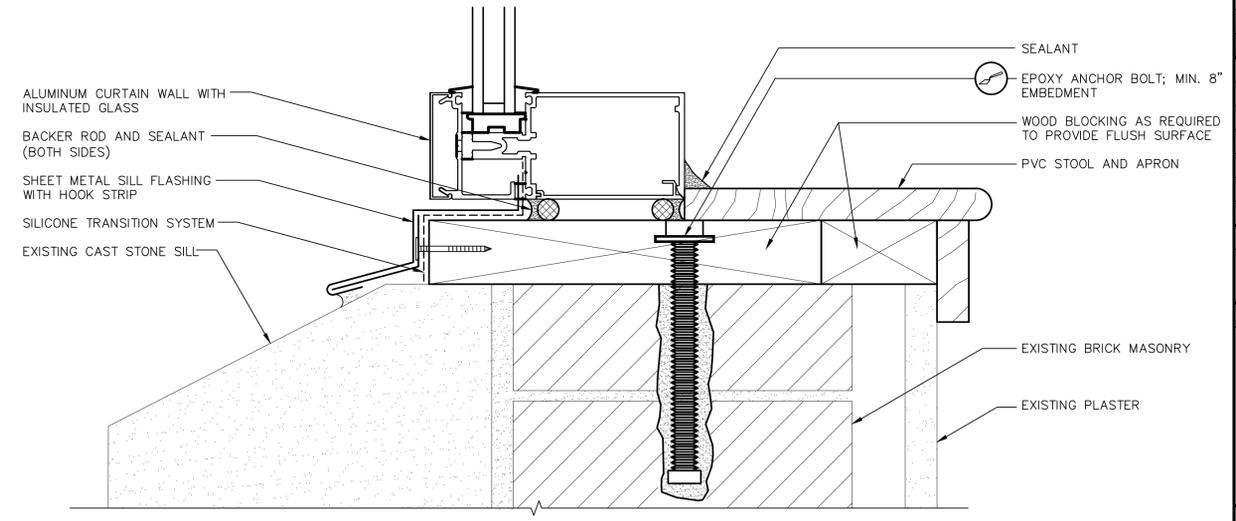
**6 WINDOW JAMB**  
SCALE: 6"=1'-0"  
(NOTE: ALL ITEMS ARE NEW UNLESS DESIGNATED EXISTING)



**9 WINDOW JAMB**  
SCALE: 6"=1'-0"  
(NOTE: ALL ITEMS ARE NEW UNLESS DESIGNATED EXISTING)



**7 WINDOW SILL**  
SCALE: 6"=1'-0"  
(NOTE: ALL ITEMS ARE NEW UNLESS DESIGNATED EXISTING)



**10 WINDOW SILL**  
SCALE: 6"=1'-0"  
(NOTE: ALL ITEMS ARE NEW UNLESS DESIGNATED EXISTING)

TRADE NOTE:  
ALL WORK ON THIS SHEET IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR UNLESS OTHERWISE NOTED



Gale Associates, Inc.  
Engineers and Planners  
163 LIBBEY PARKWAY | WEYMOUTH, MA  
02189 | 781.335.6465 | 781.335.6467  
www.gainc.com  
Boston Baltimore Orlando San Francisco

This drawing and the design and construction features disclosed are proprietary to Gale Associates, Inc. and shall not be altered or reused in whole or part without the express written permission of Gale Associates, Inc. Copyright©2015

**FOR CONSTRUCTION**

PROJECT  
**WINDOW REPLACEMENT & ASSOCIATED WORK AT THE WATERTOWN MIDDLE SCHOOL**  
68 WAVERLEY AVENUE  
WATERTOWN, MASSACHUSETTS 02472

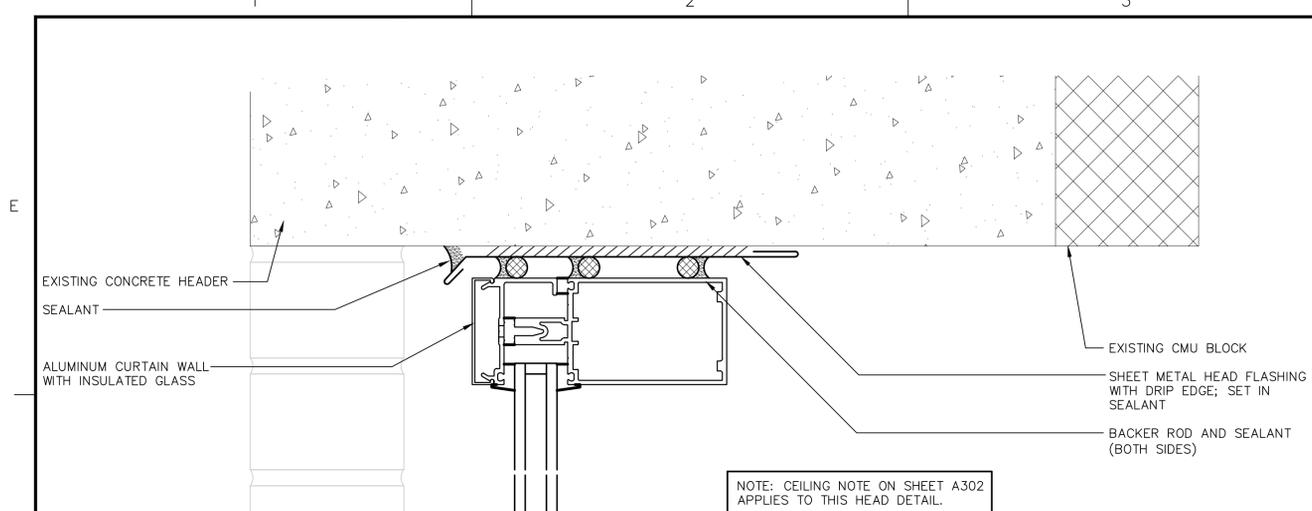
OWNER  
TOWN OF WATERTOWN  
30 COMMON STREET  
WATERTOWN, MASSACHUSETTS 02472

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	830680		
CADD FILE	830680 A300_500		
DESIGNED BY	KRM		
DRAWN BY	DFH/KAK		
CHECKED BY	SRM		
DATE	NOV. 23, 2016		
DRAWING SCALE	6"=1'-0"		

GRAPHIC SCALE  
0 1" 2" 3" 4"

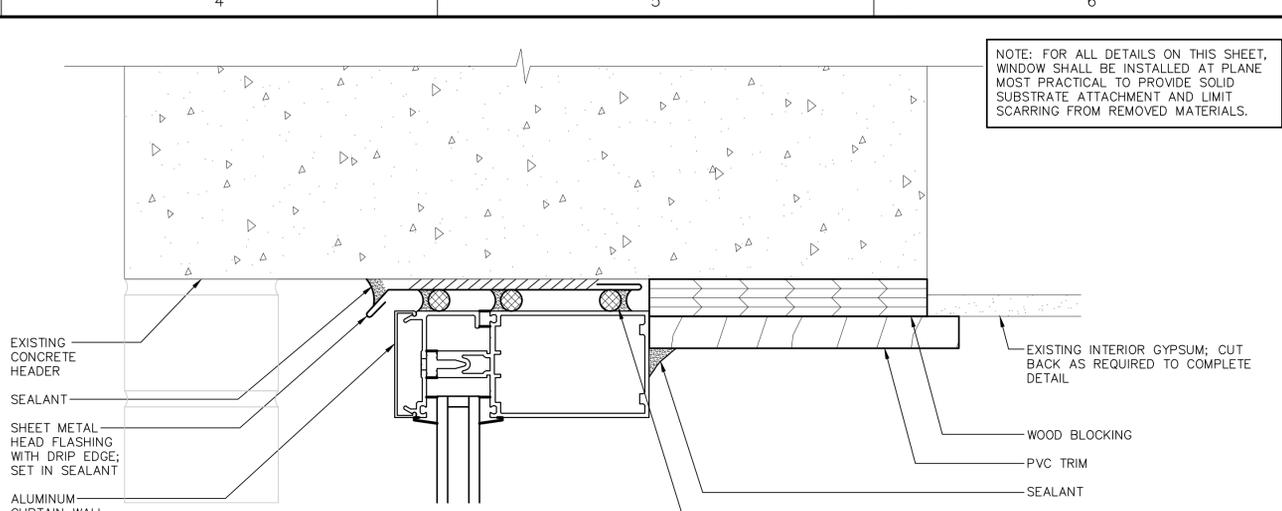
SHEET TITLE  
**WINDOW DETAILS**

DRAWING NO.  
**A501**  
10 OF 12



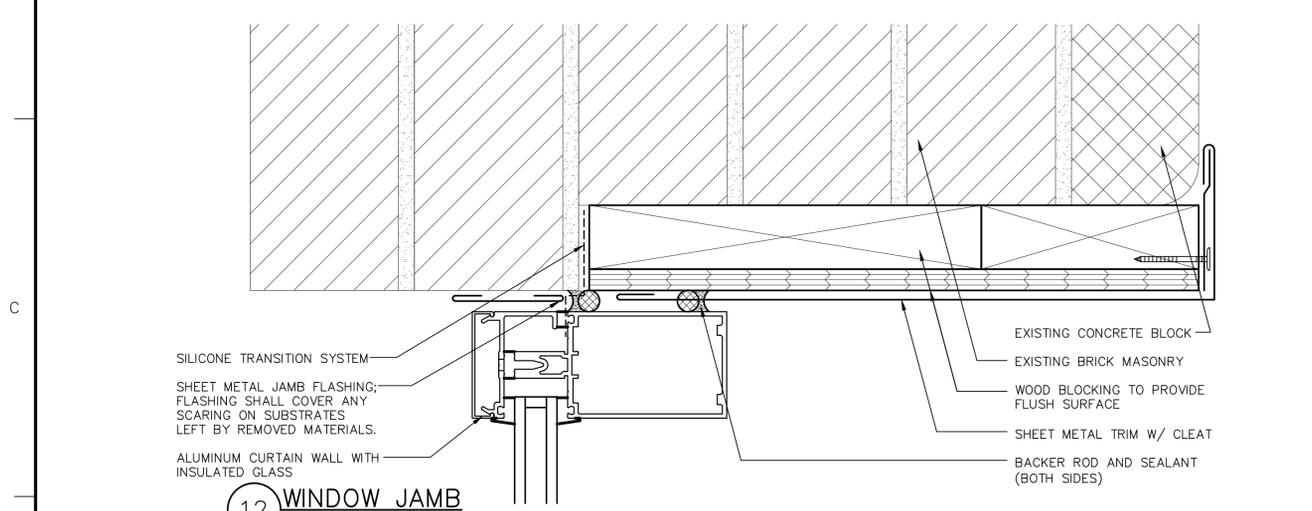
**11 WINDOW HEAD**  
 SCALE: 6"=1'-0"  
 (NOTE: ALL ITEMS ARE NEW UNLESS DESIGNATED EXISTING)

NOTE: CEILING NOTE ON SHEET A302 APPLIES TO THIS HEAD DETAIL.

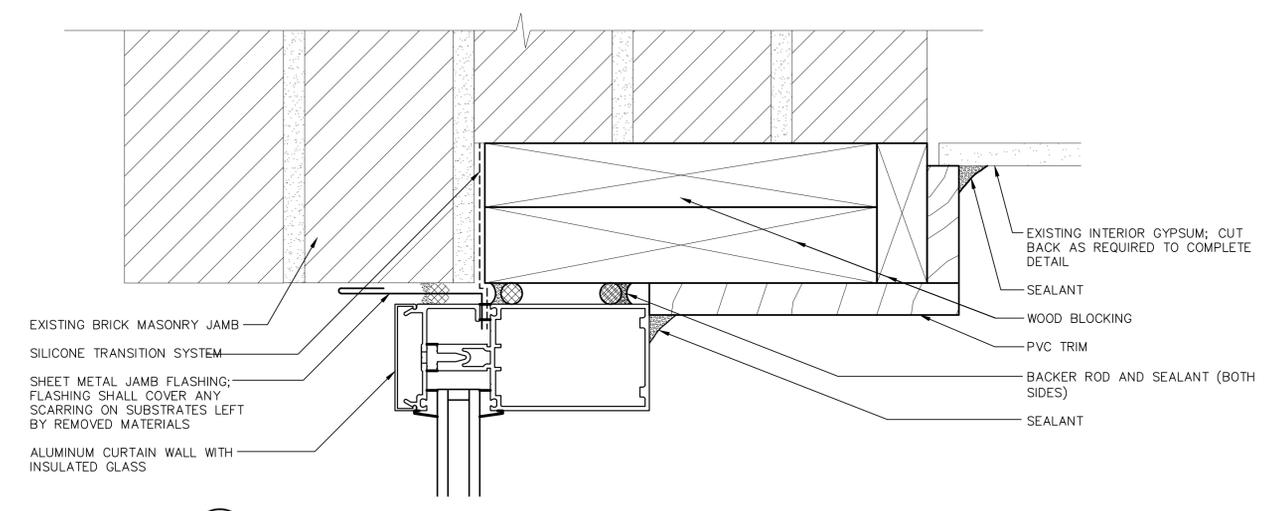


**14 WINDOW HEAD**  
 SCALE: 6"=1'-0"  
 (NOTE: ALL ITEMS ARE NEW UNLESS DESIGNATED EXISTING)

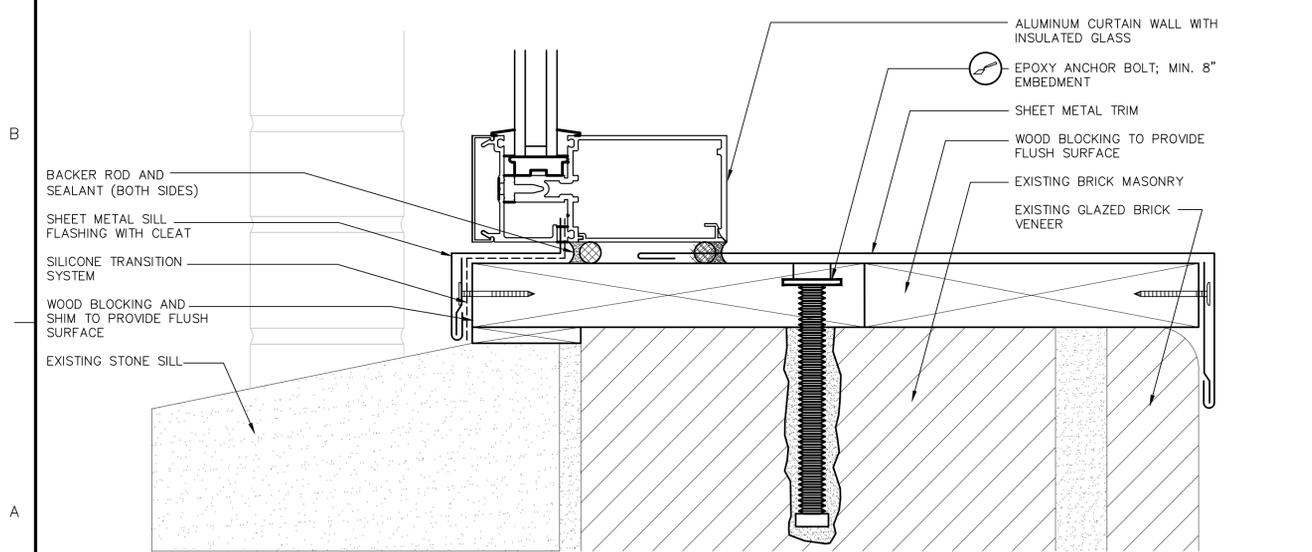
NOTE: FOR ALL DETAILS ON THIS SHEET, WINDOW SHALL BE INSTALLED AT PLANE MOST PRACTICAL TO PROVIDE SOLID SUBSTRATE ATTACHMENT AND LIMIT SCARRING FROM REMOVED MATERIALS.



**12 WINDOW JAMB**  
 SCALE: 6"=1'-0"  
 (NOTE: ALL ITEMS ARE NEW UNLESS DESIGNATED EXISTING)

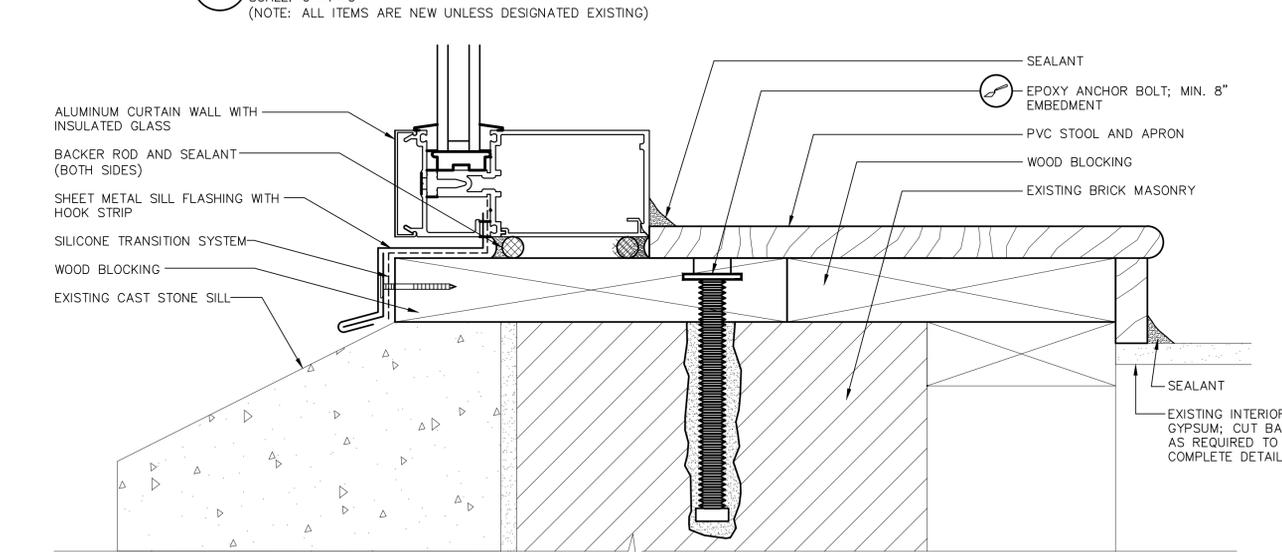


**15 WINDOW JAMB**  
 SCALE: 6"=1'-0"  
 (NOTE: ALL ITEMS ARE NEW UNLESS DESIGNATED EXISTING)



**13 WINDOW SILL**  
 SCALE: 6"=1'-0"  
 (NOTE: ALL ITEMS ARE NEW UNLESS DESIGNATED EXISTING)

NOTE: GENERAL CONTRACTOR SHALL CHIP OUT EXISTING SLOPED CONCRETE SILL TO THE TOP OF THE BRICK WALL TO COMPLETE DETAIL.



**16 WINDOW SILL**  
 SCALE: 6"=1'-0"  
 (NOTE: ALL ITEMS ARE NEW UNLESS DESIGNATED EXISTING)

TRADE NOTE:  
 ALL WORK ON THIS SHEET IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR UNLESS OTHERWISE NOTED

**GALE**  
 Gale Associates, Inc.  
 Engineers and Planners  
 163 LIBBEY PARKWAY | WEYMOUTH, MA  
 02189 | 781.335.6465 | 781.335.6467  
 www.gainc.com  
 Boston Baltimore Orlando San Francisco

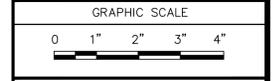
This drawing and the design and construction features disclosed are proprietary to Gale Associates, Inc. and shall not be altered or reused in whole or part without the express written permission of Gale Associates, Inc. Copyright©2015

**FOR CONSTRUCTION**

PROJECT  
**WINDOW REPLACEMENT & ASSOCIATED WORK AT THE WATERTOWN MIDDLE SCHOOL**  
 68 WAVERLEY AVENUE  
 WATERTOWN, MASSACHUSETTS 02472

OWNER  
**TOWN OF WATERTOWN**  
 30 COMMON STREET  
 WATERTOWN, MASSACHUSETTS 02472

NO.	DATE	DESCRIPTION	BY
PROJECT NO.	830680		
CADD FILE	830680 A300_500		
DESIGNED BY	KRM		
DRAWN BY	DFH/KAK		
CHECKED BY	SRM		
DATE	NOV. 23, 2016		
DRAWING SCALE	6"=1'-0"		

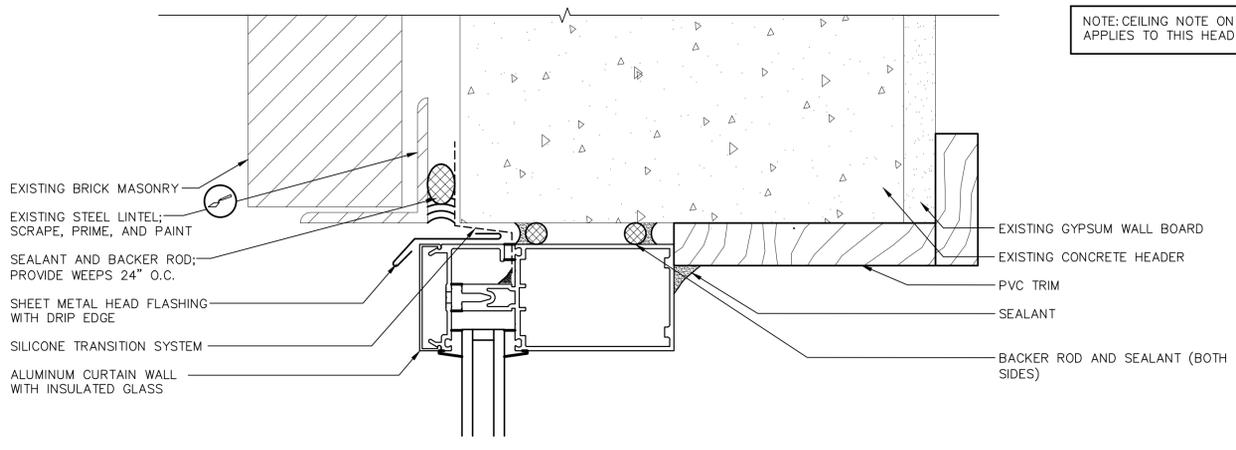


SHEET TITLE  
**WINDOW DETAILS**

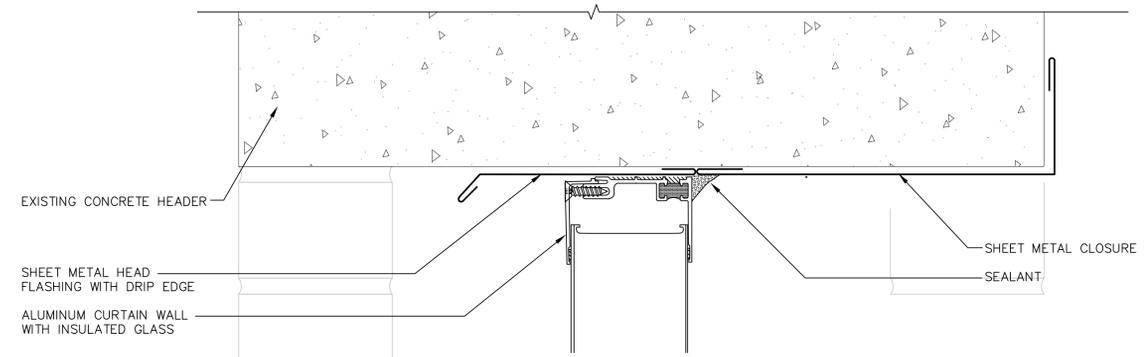
DRAWING NO.  
**A502**  
 11 OF 12

NOTE: CEILING NOTE ON SHEET A302 APPLIES TO THIS HEAD DETAIL.

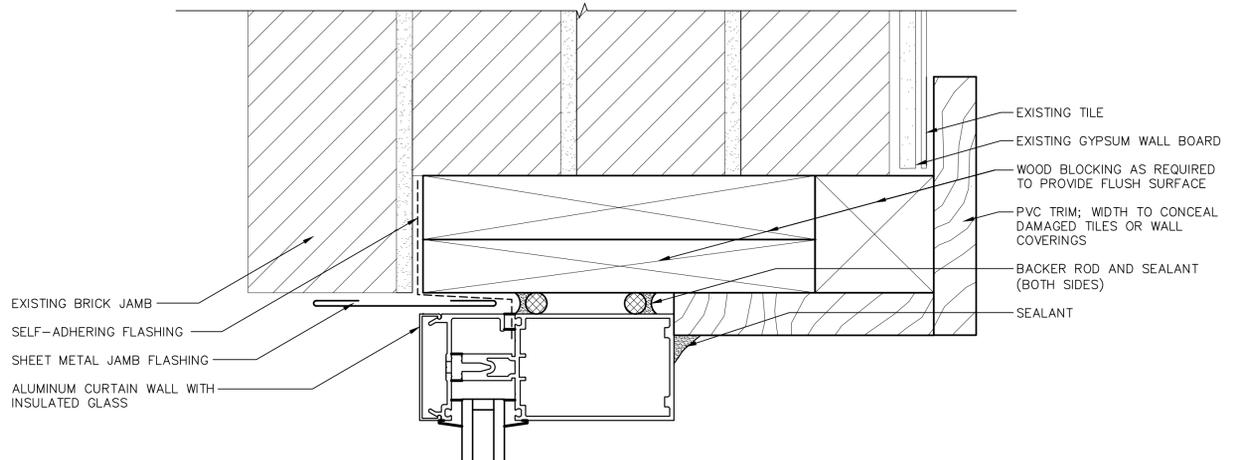
NOTE: FOR ALL DETAILS ON THIS SHEET, WINDOW SHALL BE INSTALLED AT PLANE MOST PRACTICAL TO PROVIDE SOLID SUBSTRATE ATTACHMENT AND LIMIT SCARRING FROM REMOVED MATERIALS.



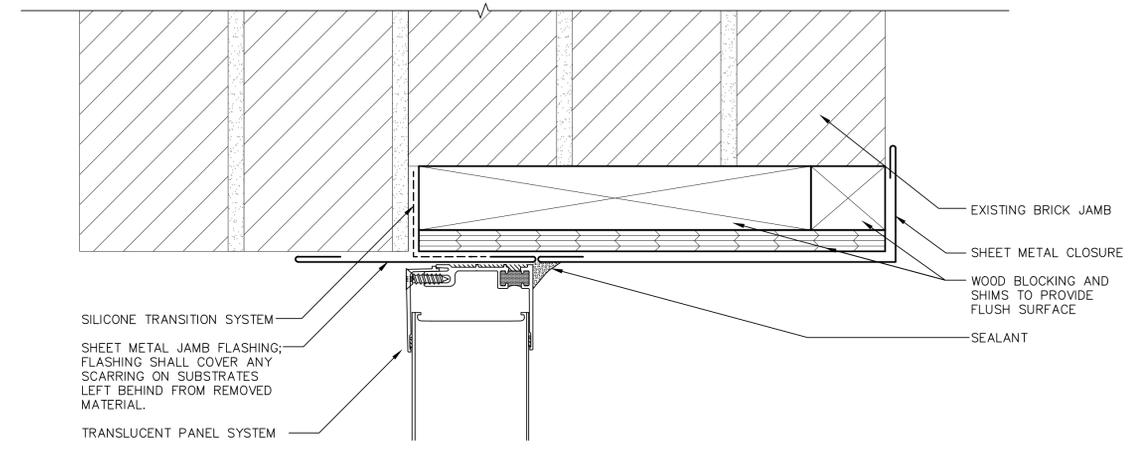
**17 WINDOW HEAD**  
SCALE: 6"=1'-0"  
(NOTE: ALL ITEMS ARE NEW UNLESS DESIGNATED EXISTING)



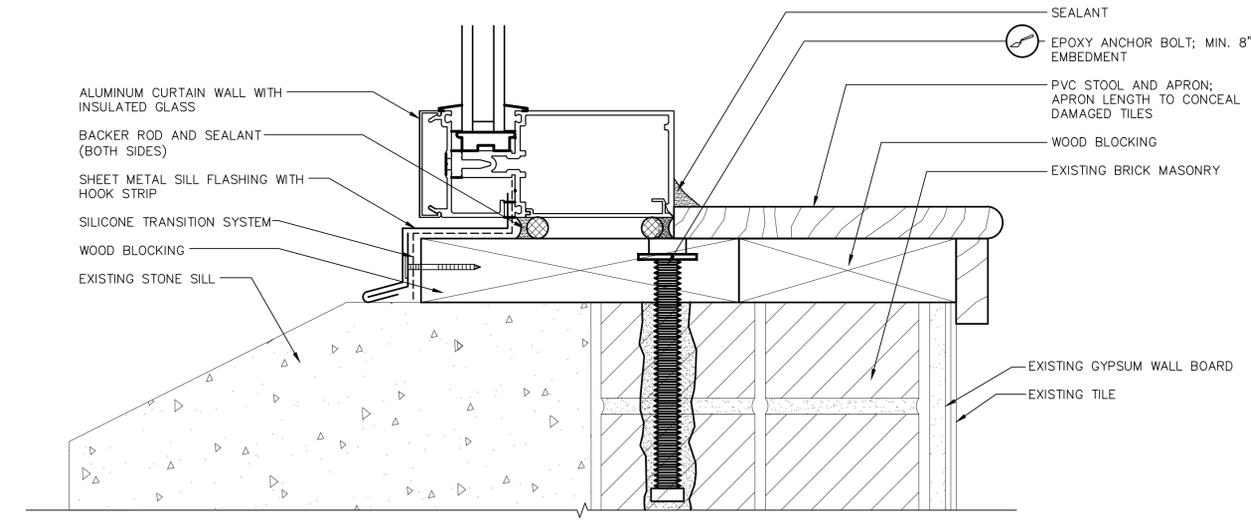
**20 TRANSLUCENT PANEL HEAD**  
SCALE: 6"=1'-0"  
(NOTE: ALL ITEMS ARE NEW UNLESS DESIGNATED EXISTING)



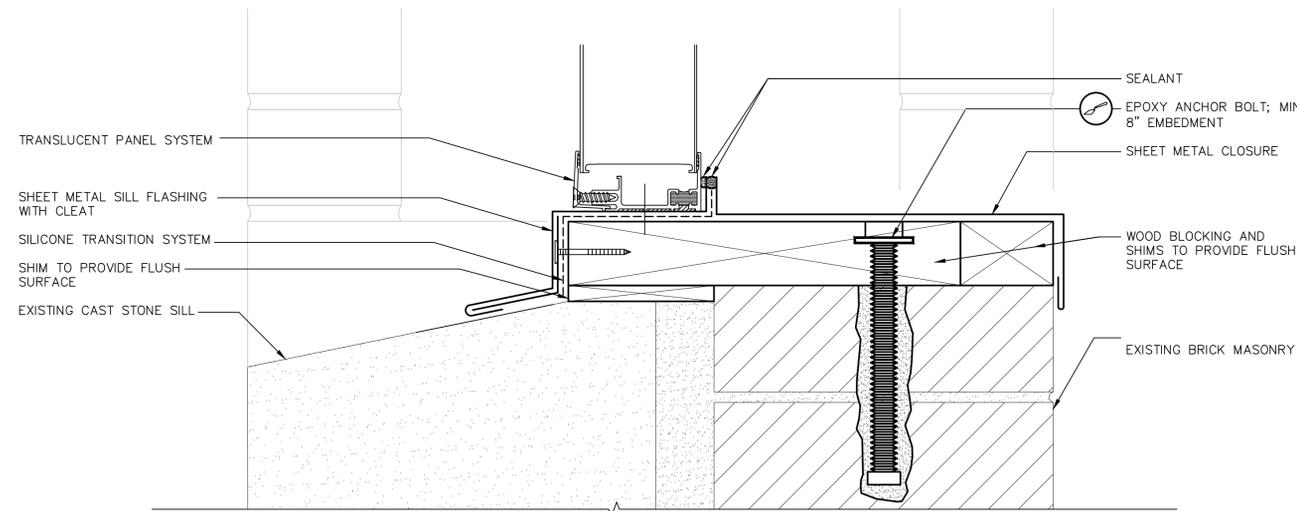
**18 WINDOW JAMB**  
SCALE: 6"=1'-0"  
(NOTE: ALL ITEMS ARE NEW UNLESS DESIGNATED EXISTING)



**21 TRANSLUCENT PANEL JAMB**  
SCALE: 6"=1'-0"  
(NOTE: ALL ITEMS ARE NEW UNLESS DESIGNATED EXISTING)



**19 WINDOW SILL**  
SCALE: 6"=1'-0"  
(NOTE: ALL ITEMS ARE NEW UNLESS DESIGNATED EXISTING)



**22 TRANSLUCENT PANEL SILL**  
SCALE: 6"=1'-0"  
(NOTE: ALL ITEMS ARE NEW UNLESS DESIGNATED EXISTING)

TRADE NOTE:  
ALL WORK ON THIS SHEET IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR UNLESS OTHERWISE NOTED



Gale Associates, Inc.  
Engineers and Planners  
163 LIBBEY PARKWAY | WEYMOUTH, MA  
02189 | 781.335.6465 | 781.335.6467  
www.gainc.com  
Boston Baltimore Orlando San Francisco

This drawing and the design and construction features disclosed are proprietary to Gale Associates, Inc. and shall not be altered or reused in whole or part without the express written permission of Gale Associates, Inc. Copyright©2015

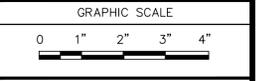
**FOR CONSTRUCTION**

PROJECT  
**WINDOW REPLACEMENT & ASSOCIATED WORK AT THE WATERTOWN MIDDLE SCHOOL**  
68 WAVERLEY AVENUE  
WATERTOWN, MASSACHUSETTS 02472

OWNER  
**TOWN OF WATERTOWN**  
30 COMMON STREET  
WATERTOWN, MASSACHUSETTS 02472

NO.	DATE	DESCRIPTION	BY

PROJECT NO.	830680
CADD FILE	830680 A300_500
DESIGNED BY	KRM
DRAWN BY	DFH/KAK
CHECKED BY	SRM
DATE	NOV. 23, 2016
DRAWING SCALE	6"=1'-0"



SHEET TITLE

**WINDOW DETAILS**

DRAWING NO.  
**A503**  
12 OF 12