

2023 FACADE REPAIR PROJECT

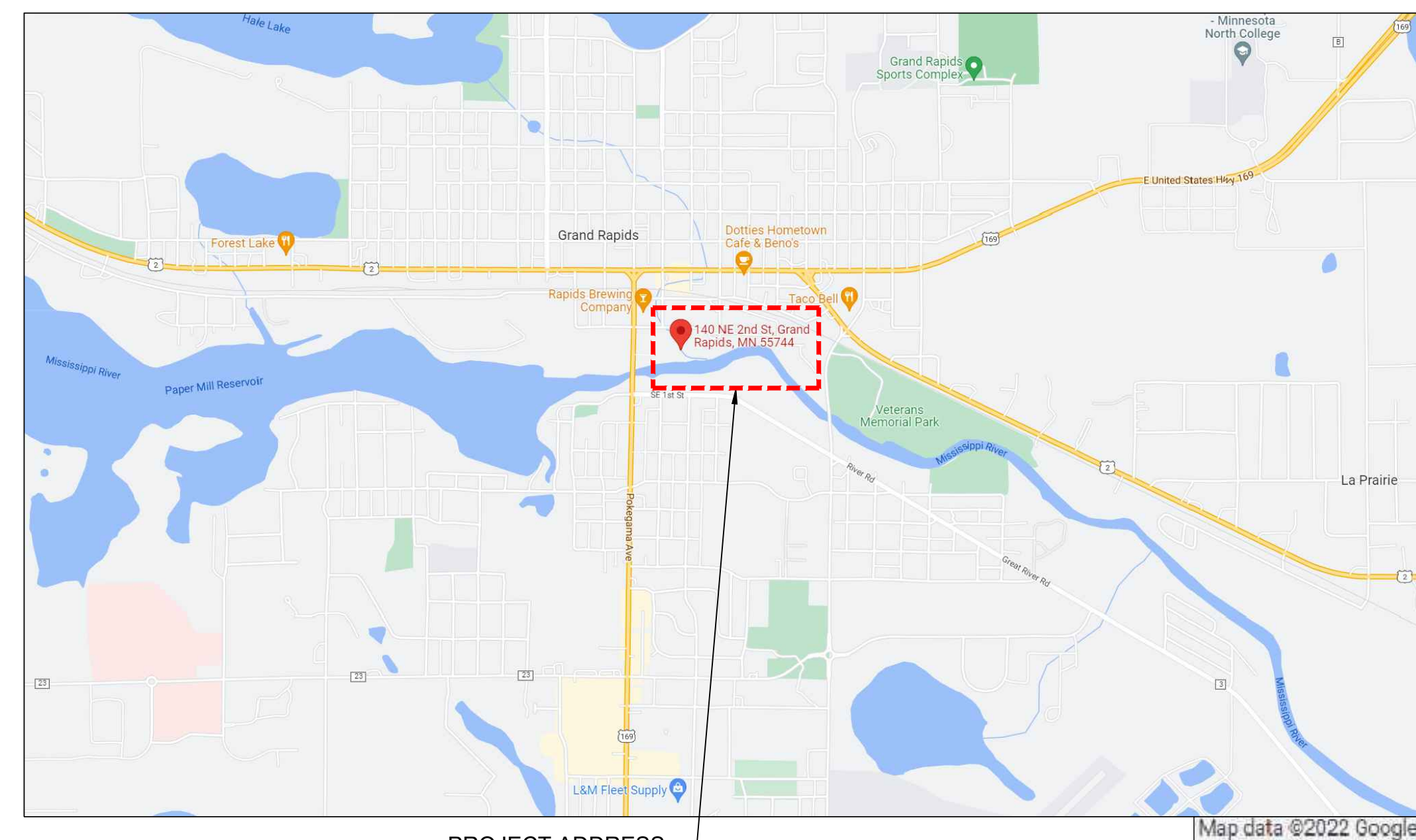
GRAND RAPIDS LIBRARY
140 NE 2ND STREET
GRAND RAPIDS, MN

DRAWING INDEX

1. TITLE SHEET
2. SITE PLAN
3. ELEVATIONS
4. ELEVATIONS
5. DETAILS
6. DETAILS

GENERAL NOTES

1. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO BIDDING AND/OR PERFORMING WORK.
2. ALL NEW WORK IS TO COMPLY WITH 2020 MINNESOTA STATE BUILDING CODE REQUIREMENTS.
3. PRIOR TO DEMO, CONTRACTOR SHALL PROVIDE OWNER WITH 24 HOURS NOTICE AND SHALL ERECT BARRIERS TO PREVENT PEDESTRIAN TRAFFIC BENEATH THE WORK AREA.
4. IN THE CASE OF AMBIGUITIES, DISCREPANCIES OR IRREGULARITIES IN THE DRAWINGS, SPECIFICATIONS, MANUFACTURER'S INSTRUCTIONS, SITE CONDITIONS OR APPLICABLE CODES AND STANDARDS, CONTRACTOR SHALL REQUEST CLARIFICATION FROM ENGINEER BEFORE PROCEEDING.
5. CONTRACTOR SHALL PROVIDE, ERECT, AND MAINTAIN TEMPORARY PEDESTRIAN WALKWAY PROTECTION ON ALL WALKWAYS BELOW WHICH OVERHEAD WORK IS OCCURRING. ALL BUILDING EGRESSES SHALL REMAIN OPEN & PROTECTED THROUGH THE FULL DURATION OF THE PROJECT.
6. CONTRACTOR SHALL LIMIT STAGING AND STORAGE AREAS TO THOSE APPROVED BY OWNER. CONTRACTOR SHALL PROTECT ALL PORTIONS OF THE BUILDING, LANDSCAPING, AND PROPERTY IN STAGING AND STORAGE AREAS, AND SHALL REPAIR ALL DAMAGED CAUSED BY STAGING AND STORAGE TO OWNER'S SATISFACTION.
7. CONTRACTOR SHALL PROVIDE ENGINEER WITH ACCESS TO THE BUILDING VIA CONTRACTOR'S SWINGSTAGE AS NEEDED THROUGHOUT THE DURATION OF WORK.



PROJECT ADDRESS:
GRAND RAPIDS LIBRARY
140 NE 2ND STREET
GRAND RAPIDS, MN 55744

Encompass
engineering consultants
forensic analysis

5435 Feltl Road
Minnetonka, MN 55343
Tel: (952) 854-4511

www.encompassinc.com

CONSULTANTS:

CERTIFICATION:

I hereby certify that this drawing was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Signature _____
Name _____
Date _____
Registration Number _____

Project Number: 22-8040-001

Date: 02/08/2023

Drawn: OV

Checked: BPS

Scale: AS NOTED

REVISIONS:

PROJECT:

GRAND RAPIDS LIBRARY

FACADE REPAIR DESIGN

140 NE 2ND STREET

GRAND RAPIDS, MN

SHEET TITLE:

TITLE SHEET

SHEET NUMBER:

1

BID SET 02/08/2023

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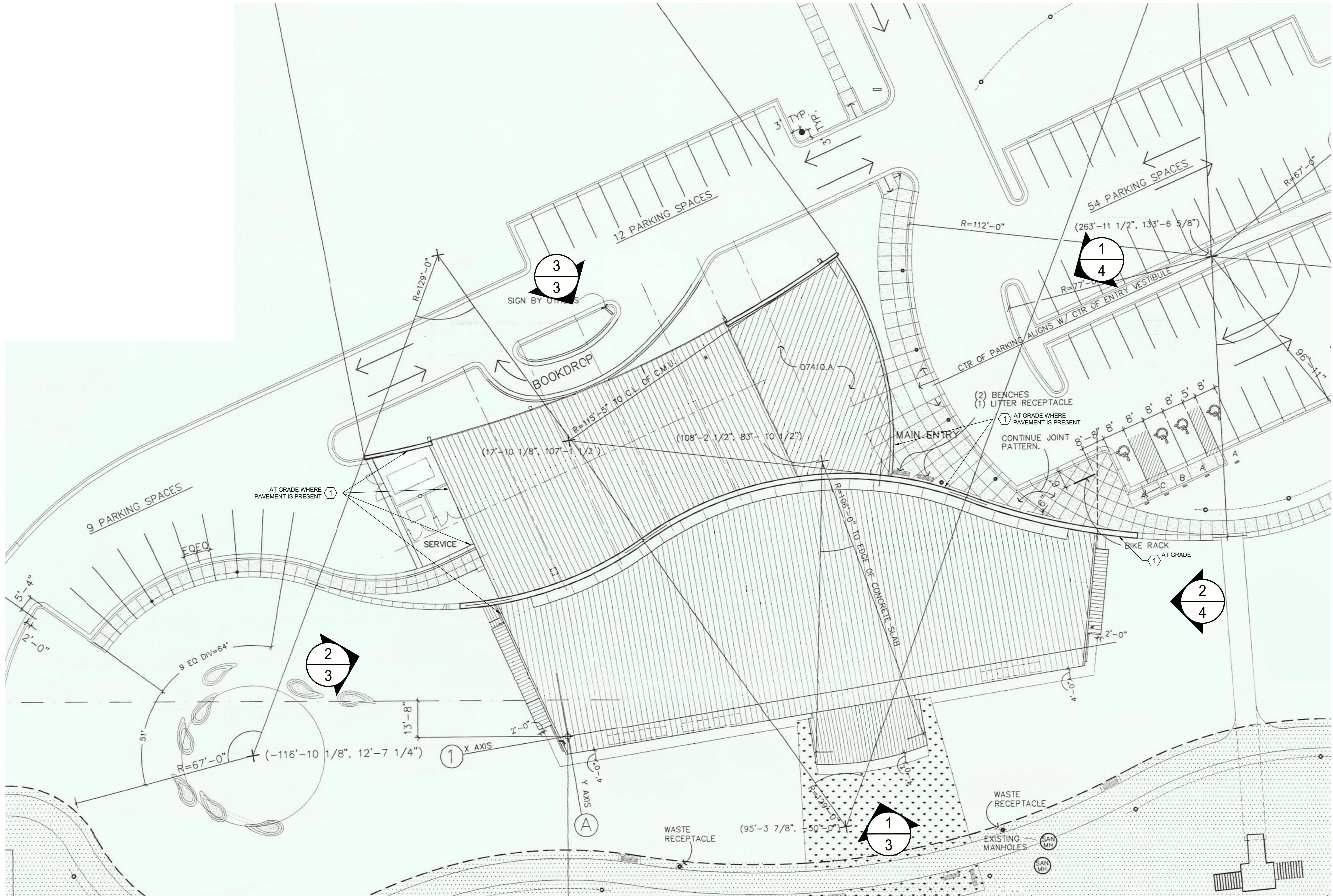
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SHEET TITLE:

SITE PLAN

SHEET NUMBER:

2



1 PLAN VIEW LAYOUT
2 SCALE: 1/16" = 1'-0"

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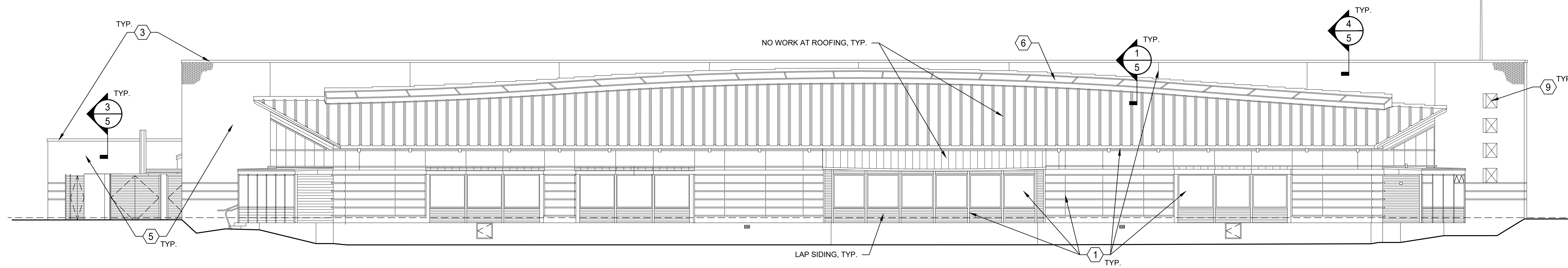
PROJECT:

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SHEET TITLE:
ELEVATIONS

SHEET NUMBER:

3



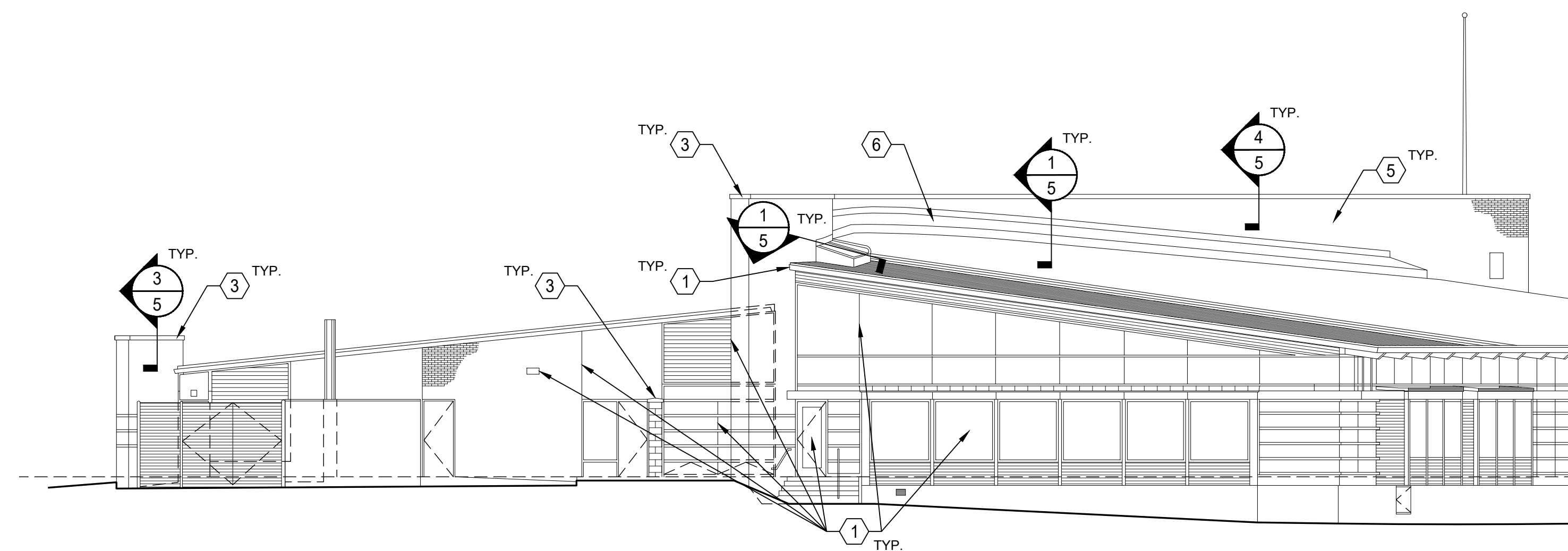
1 SOUTH ELEVATION
3 SCALE: 3/32" = 1'-0"

WORK ITEMS:

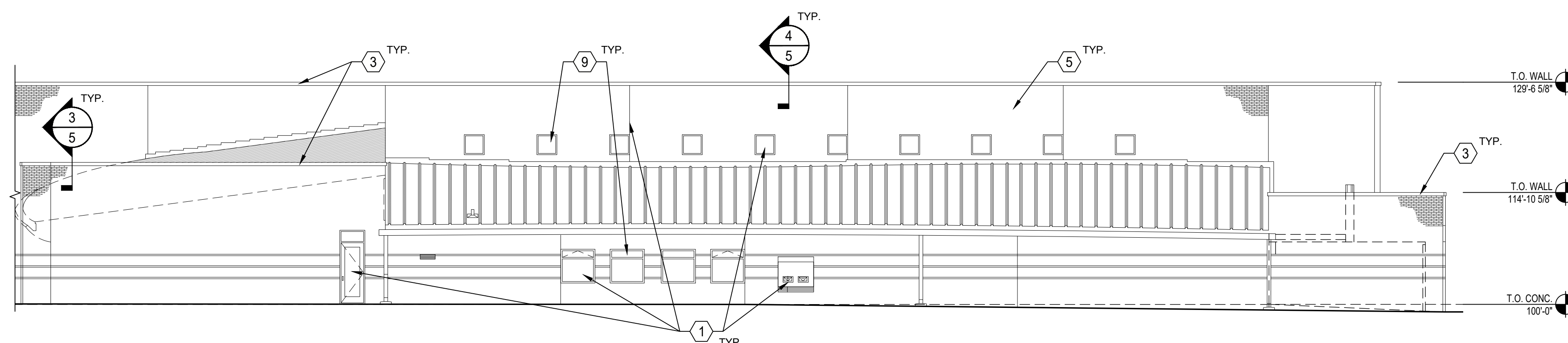
- ① REMOVE AND REPLACE ALL EXTERIOR BUILDING SEALANTS AT WINDOWS, GLASS, DOORS, CONTROL JOINTS, FLASHINGS, PENETRATIONS, DISSIMILAR MATERIALS, ETC. TYPICAL SEALANT LOCATIONS ARE NOTED ON THE ELEVATIONS. SEE DETAILS ON SHEETS 5 AND 6. EXCLUDES SEALANTS AT THE SKYLIGHTS.
- ② REPAIR FLASHING AT FRONT BAY WINDOWS.
- ③ RESET ALL CONCRETE CAP STONES WITH NEW FLASHING.
- ④ REMOVE, RESEAL, AND RESET (2) OPERABLE WINDOW UNITS.
- ⑤ CLEAN VISIBLE DEBRIS AND INSTALL MASONRY WATER REPELLENT AT STEM WALLS AND CONCRETE CAPS.
- ⑥ REMOVE AND REPLACE ALL EXISTING EXTERIOR SEALANTS AND GASKETS AT THE SKYLIGHT ASSEMBLIES INCLUDING AT GLAZING, FRAMING, FLASHINGS, AND TERMINATIONS.
- ⑦ SPOT BRICK REPLACEMENT AT BRICK FACADE, CONFIRM LOCATIONS WITH ENGINEER. QTY: 75 BRICK.
- ⑧ SPOT TUCKPOINTING AT BRICK FACADE, CONFIRM LOCATIONS WITH ENGINEER. QTY: 1,800 SF.
- ⑨ PAINT ALL EXPOSED STEEL LINTELS AT ALL WINDOWS, DOORS, AND MASONRY WALL OPENINGS.

ALTERNATE WORK ITEMS:

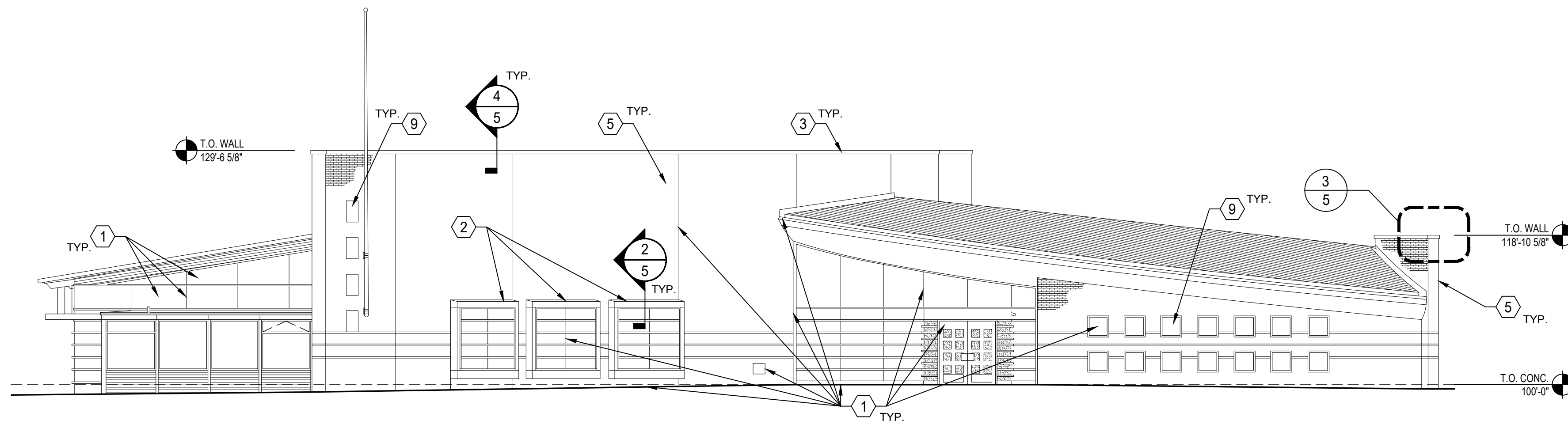
- ⑩ REPLACE THROUGH WALL FLASHING ABOVE SKYLIGHTS. SEE DETAIL 1R/5.



2 WEST ELEVATION
3 SCALE: 3/32" = 1'-0"



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



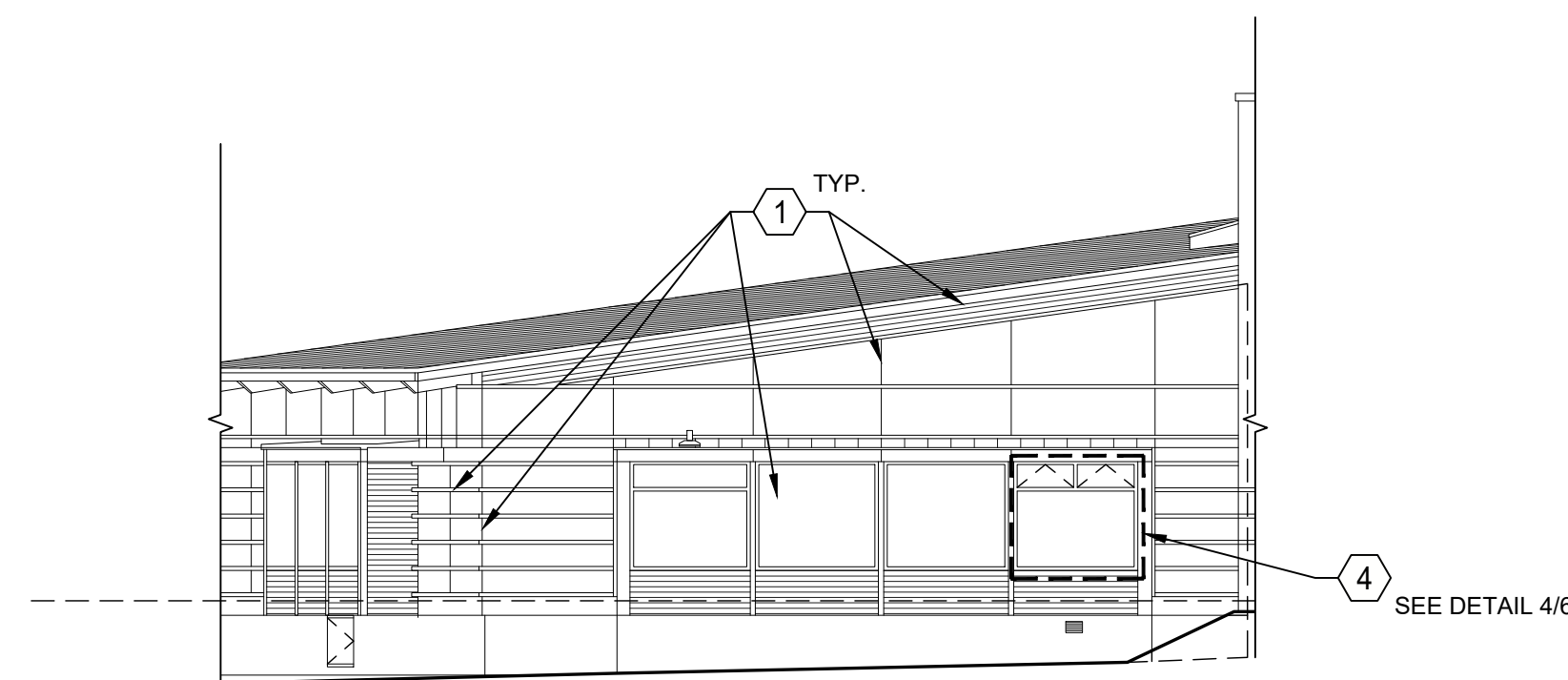
1 EAST ELEVATION
4 SCALE: 3/32" = 1'-0"

WORK ITEMS:

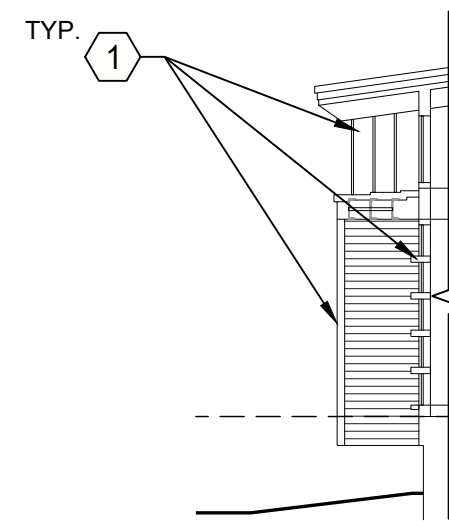
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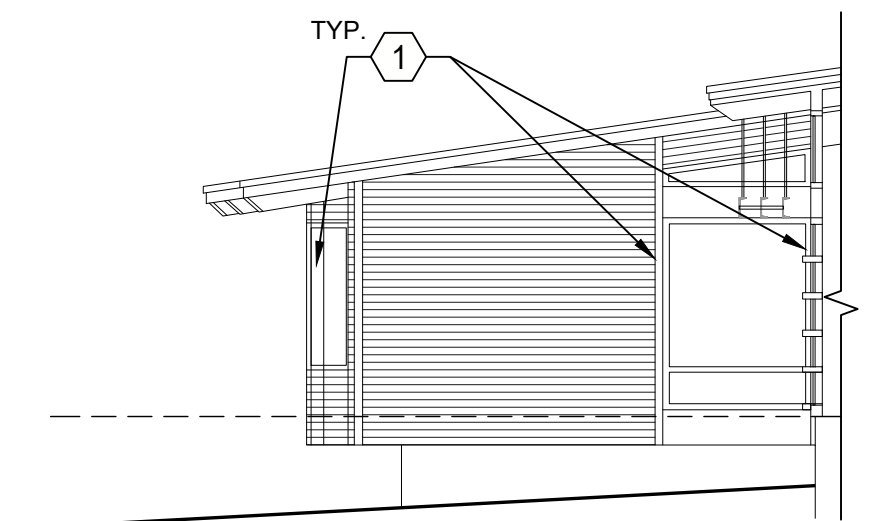
- ④TH REPAIR THROUGH WALL FLASHING ABOVE SKYLIGHTS. SEE DETAIL 1R/5



2 PARTIAL EAST ELEVATION
4 SCALE: 3/32" = 1'-0"



3 TYP. @ ROOMS 106, 108 - 111
4 SCALE: 1/8" = 1'-0"



4 TYP. SIDE ELEVATION @ ROOM 107
4 SCALE: 1/8" = 1'-0"

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SHEET TITLE:
ELEVATIONS

SHEET NUMBER:

4

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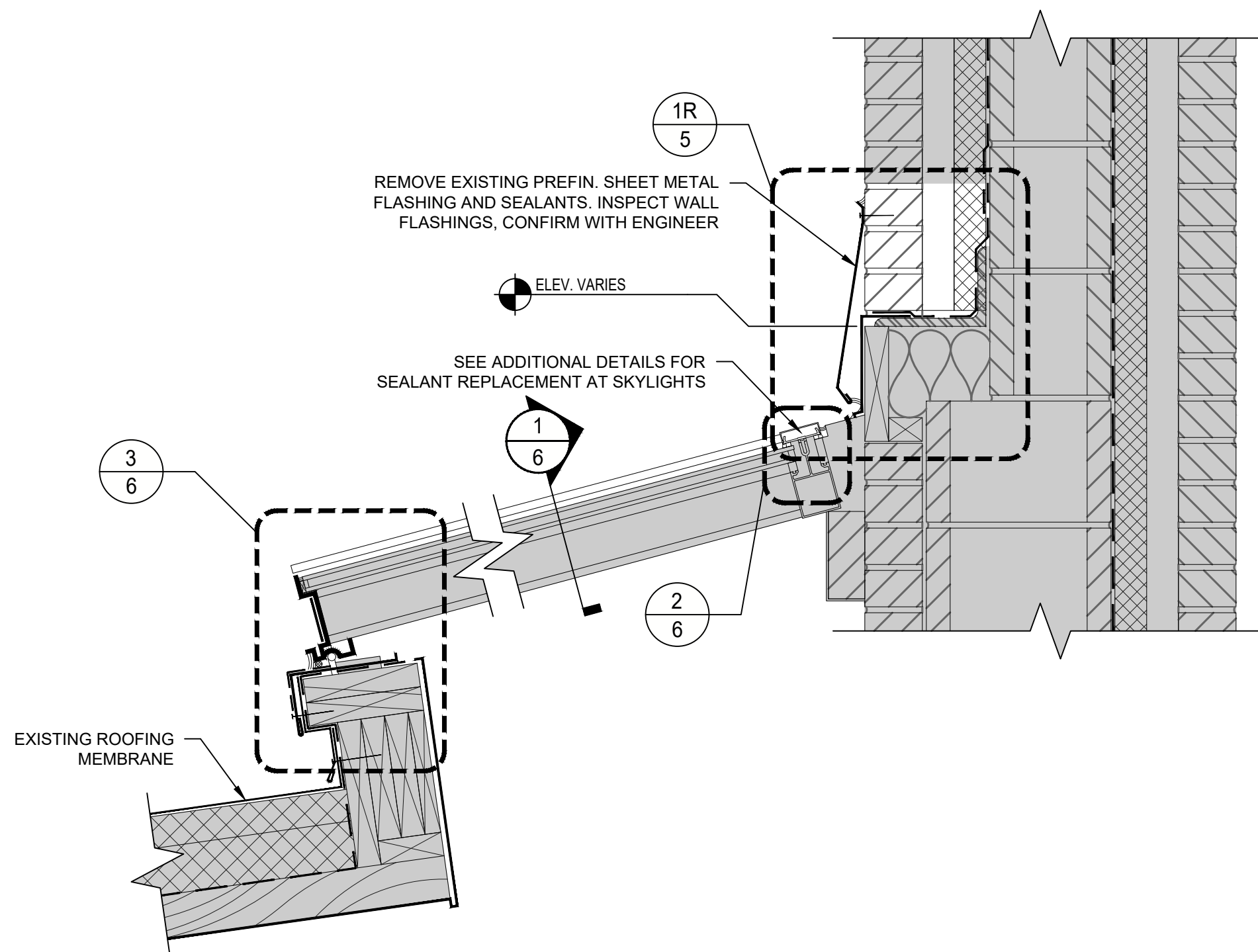
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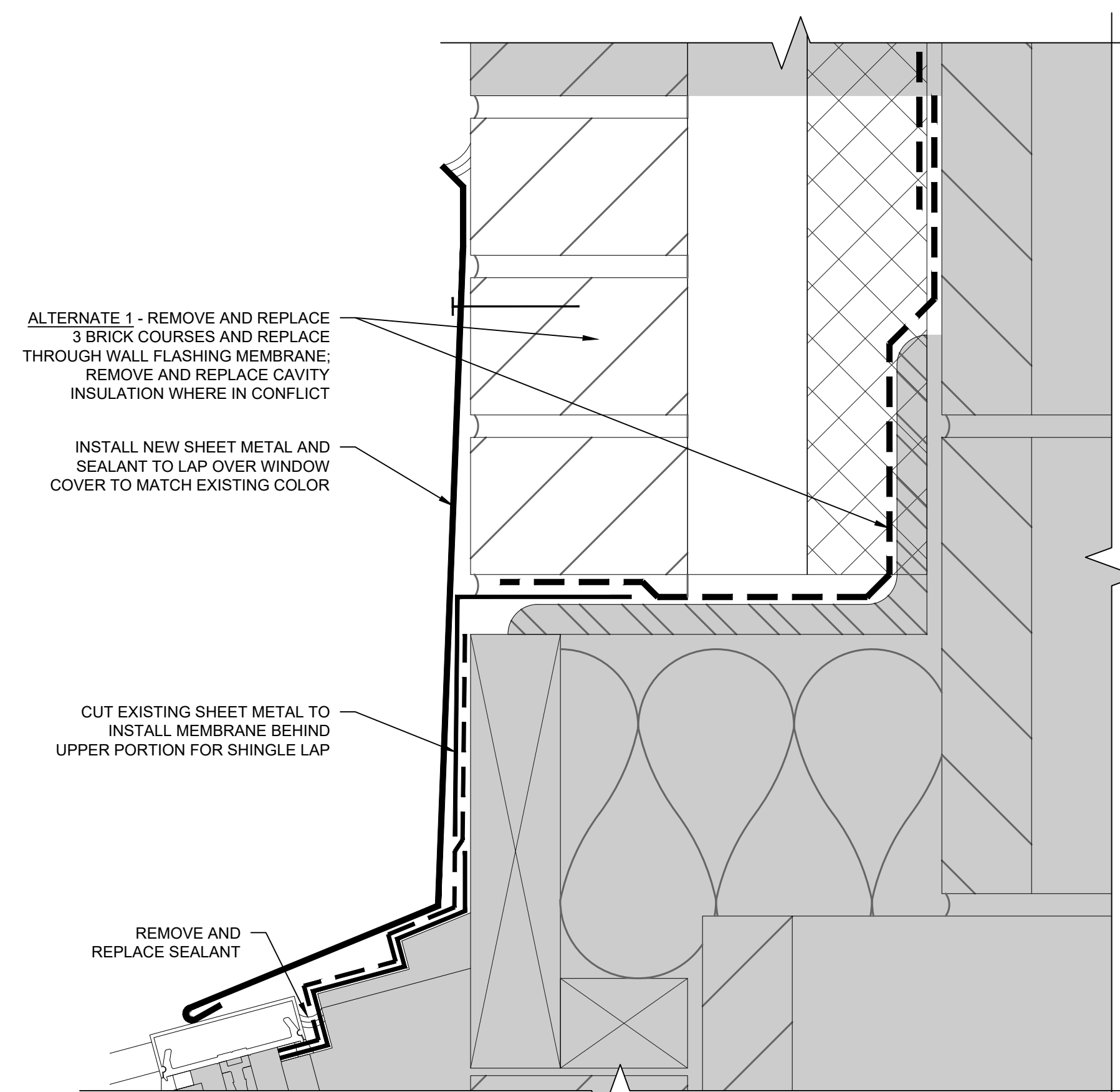
SHEET TITLE:
 DETAILS

SHEET NUMBER:

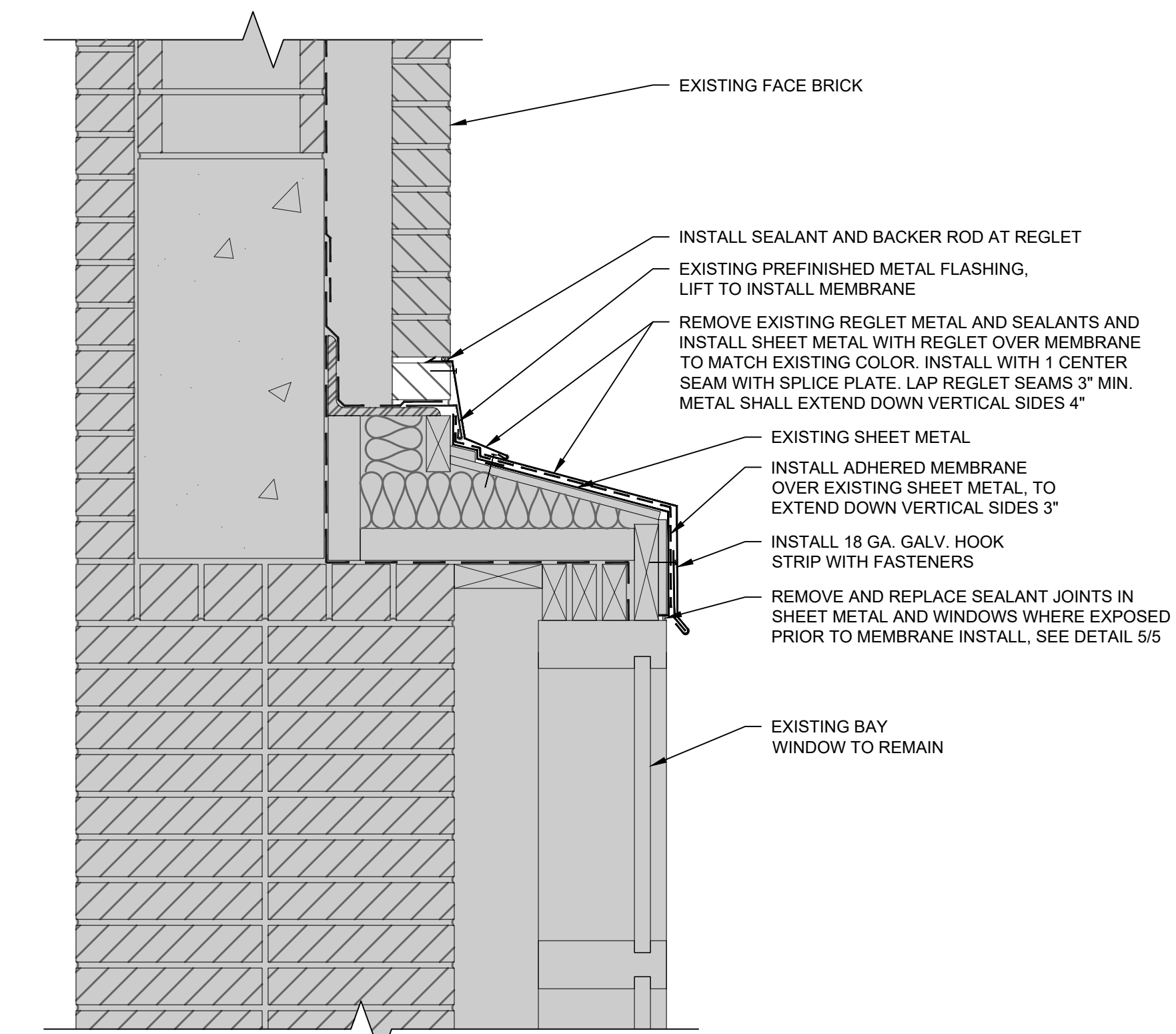
5



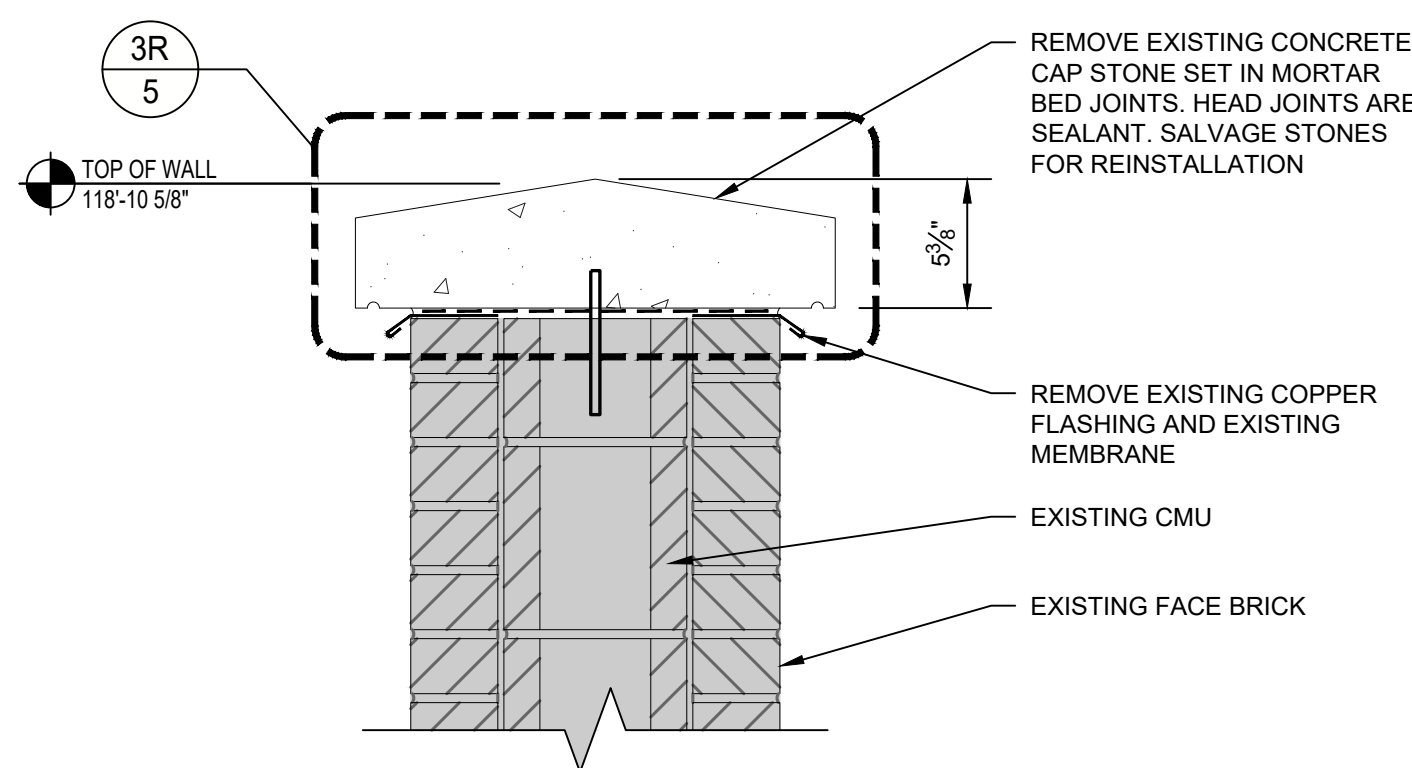
1
5 WALL AT SKYLIGHTS - EXISTING
 SCALE: 1-1/2" = 1'-0"



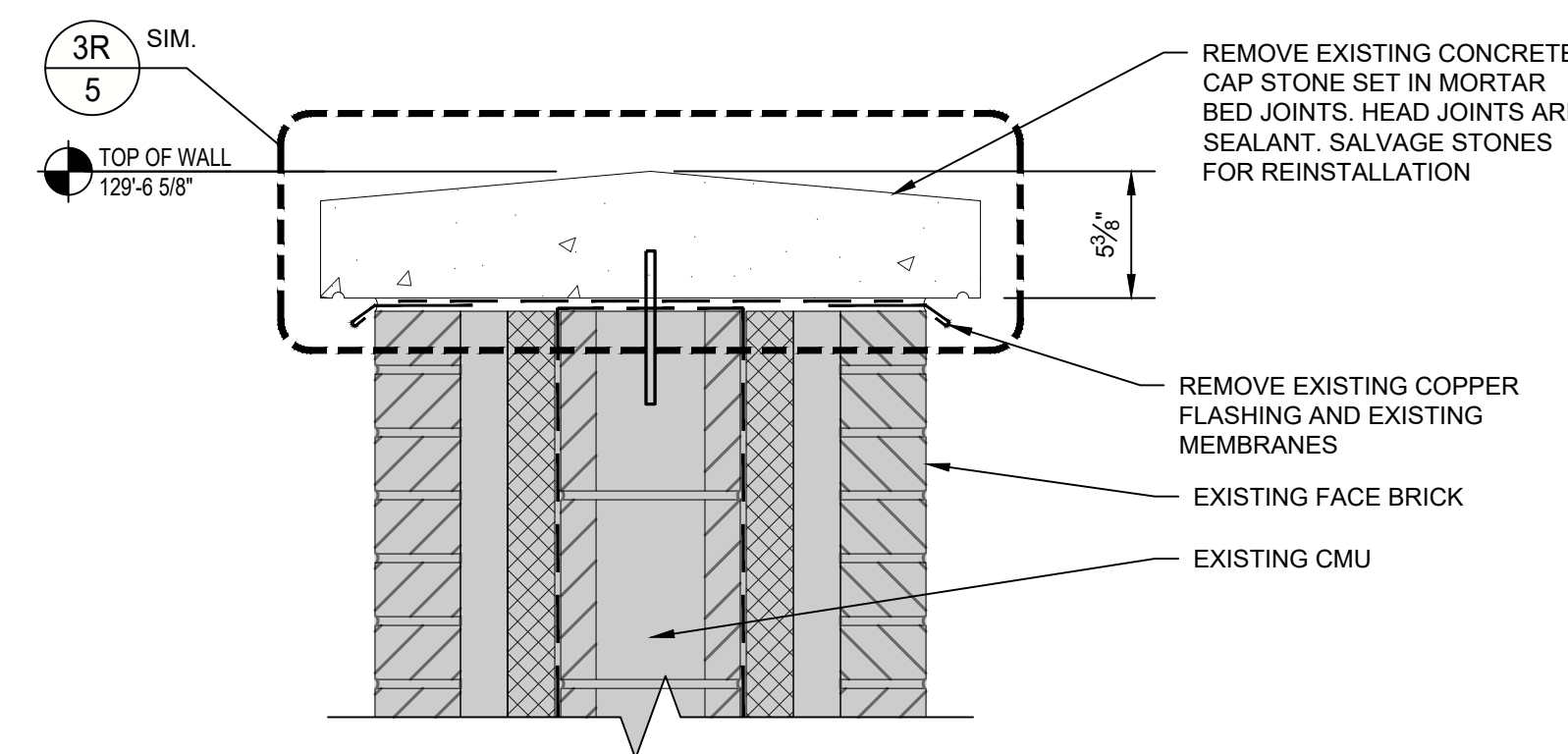
1R
5 WALL AT SKYLIGHTS - REPAIR
 SCALE: 6" = 1'-0"



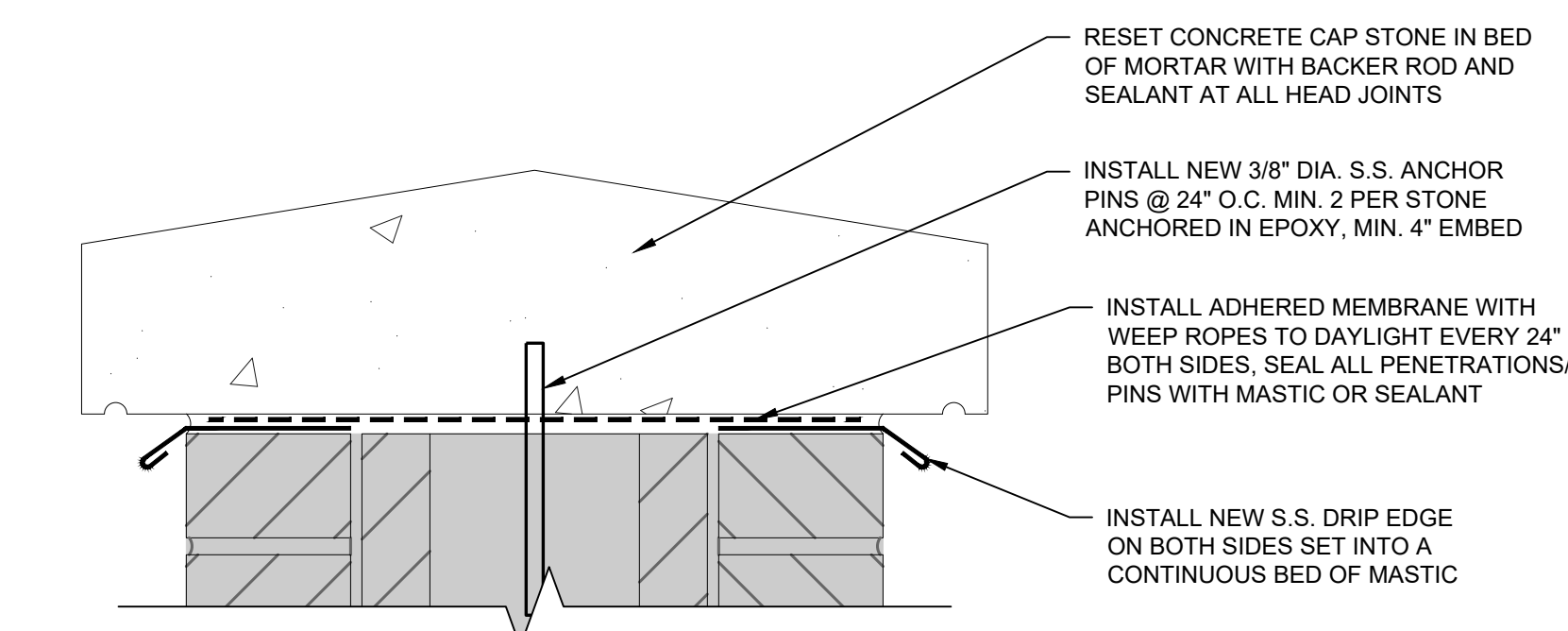
2
5 BAY WINDOW HEAD
 DETAIL - DEMO AND REPAIR
 SCALE: 1-1/2" = 1'-0"



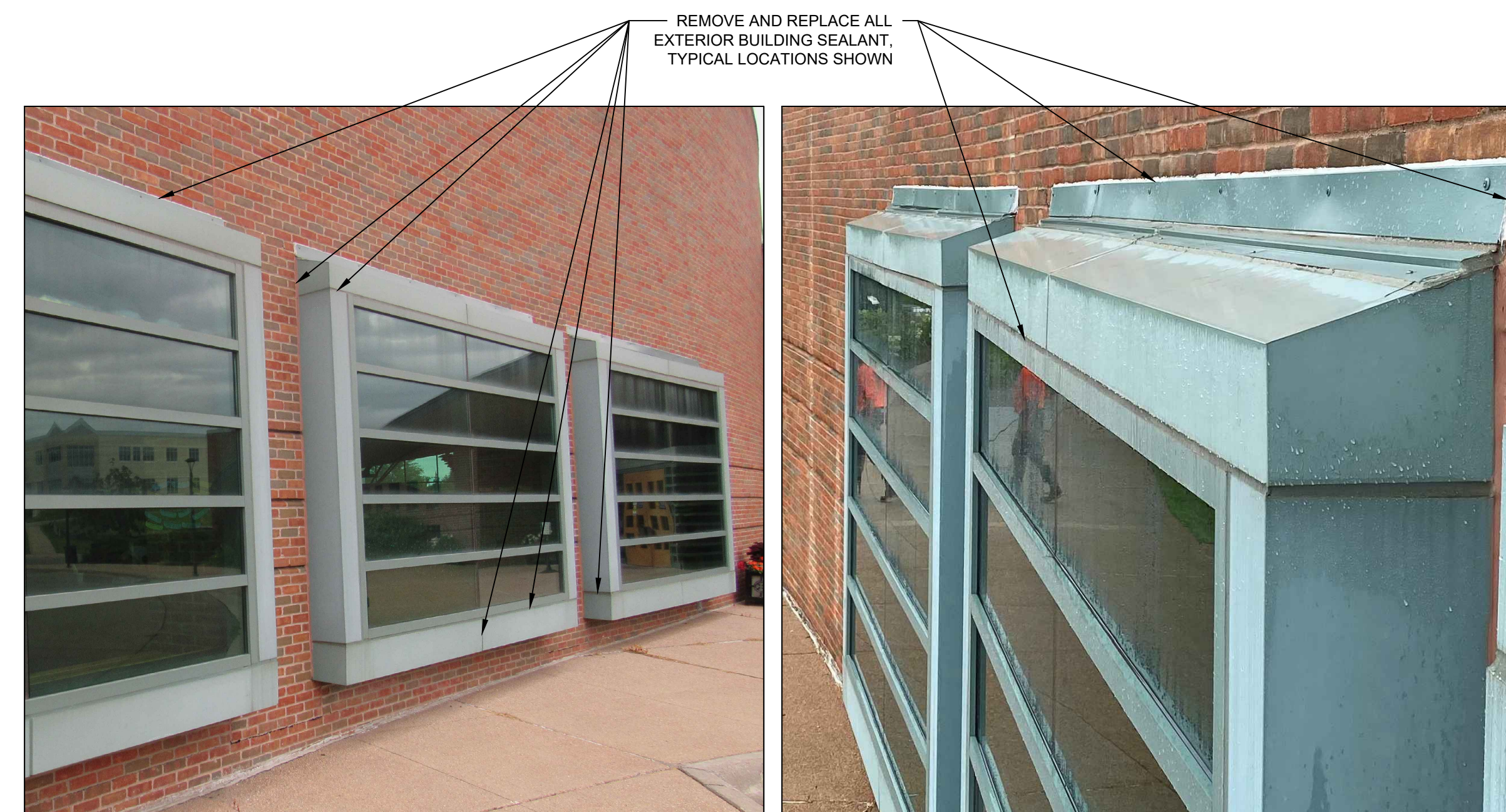
3
5 PARAPET AT NORTH WALL - DEMO
 SCALE: 1-1/2" = 1'-0"



3R
5 PARAPET AT CENTER STEM WALL - DEMO
 SCALE: 1-1/2" = 1'-0"



3R
5 PARAPET AT NORTH WALL - REPAIR
 SCALE: 3" = 1'-0"



5
5 BAY WINDOW DETAILS
 SCALE: NTS

NOTE:
ALL SEALANTS AT SKYLIGHT GLAZING SHALL BE SILICONE. ADDITIONAL SEALANTS HAVE BEEN INSTALLED AT THE SKYLIGHTS INTERMITTENTLY FOR MAINTENANCE REPAIRS THAT SHALL BE REMOVED. REINSTALL SEALANTS AS SHOWN ON DETAILS.

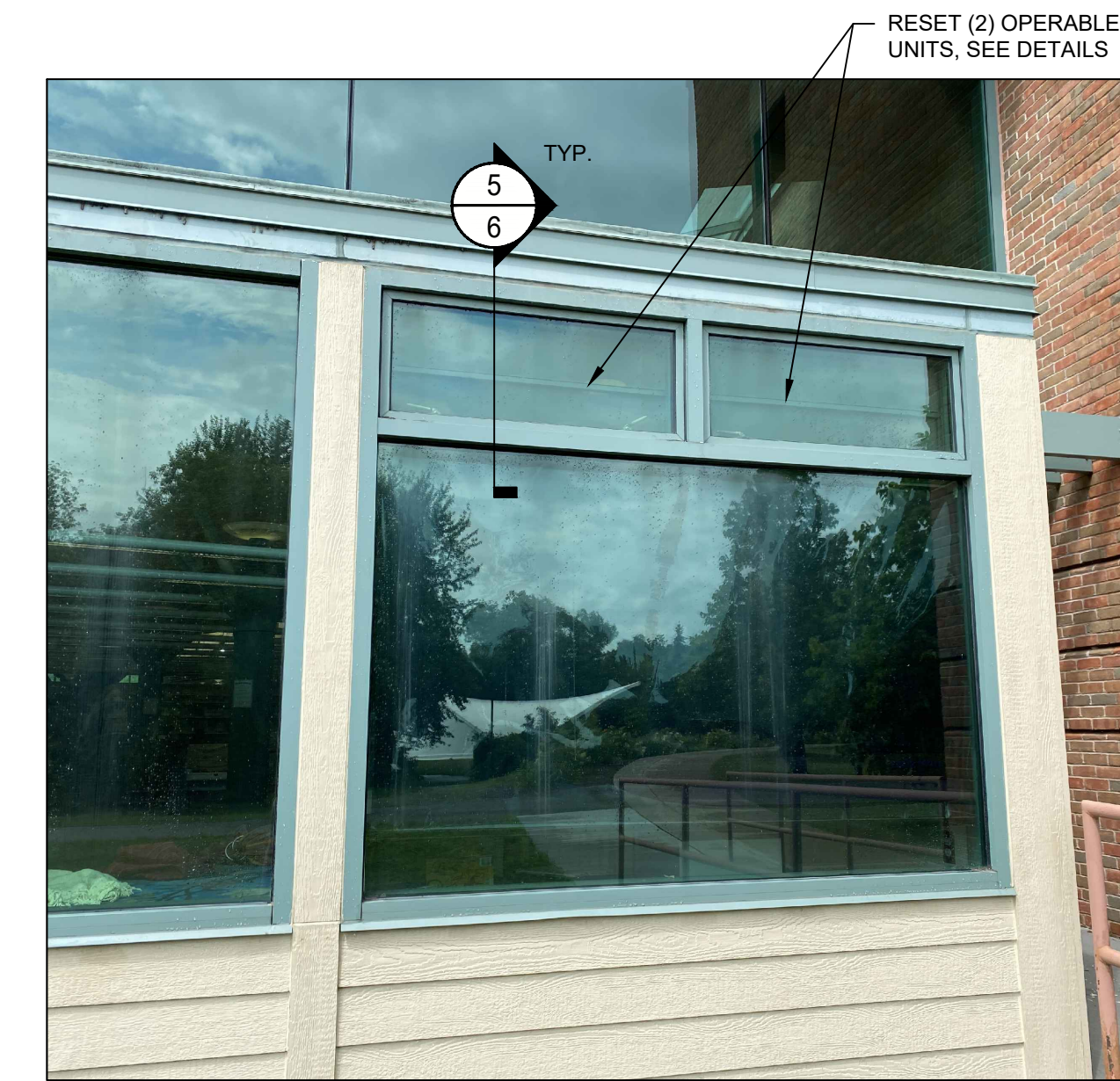
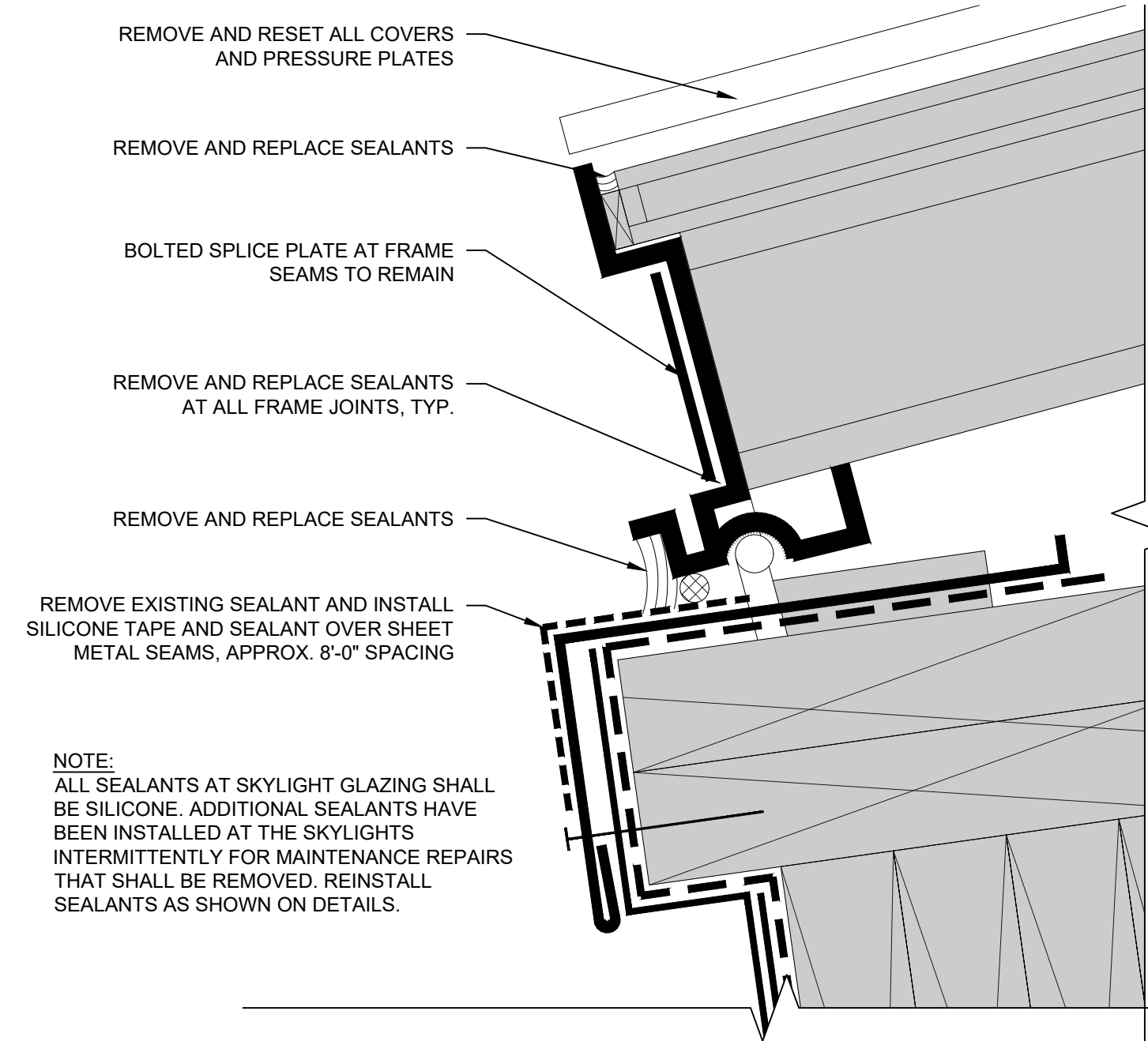
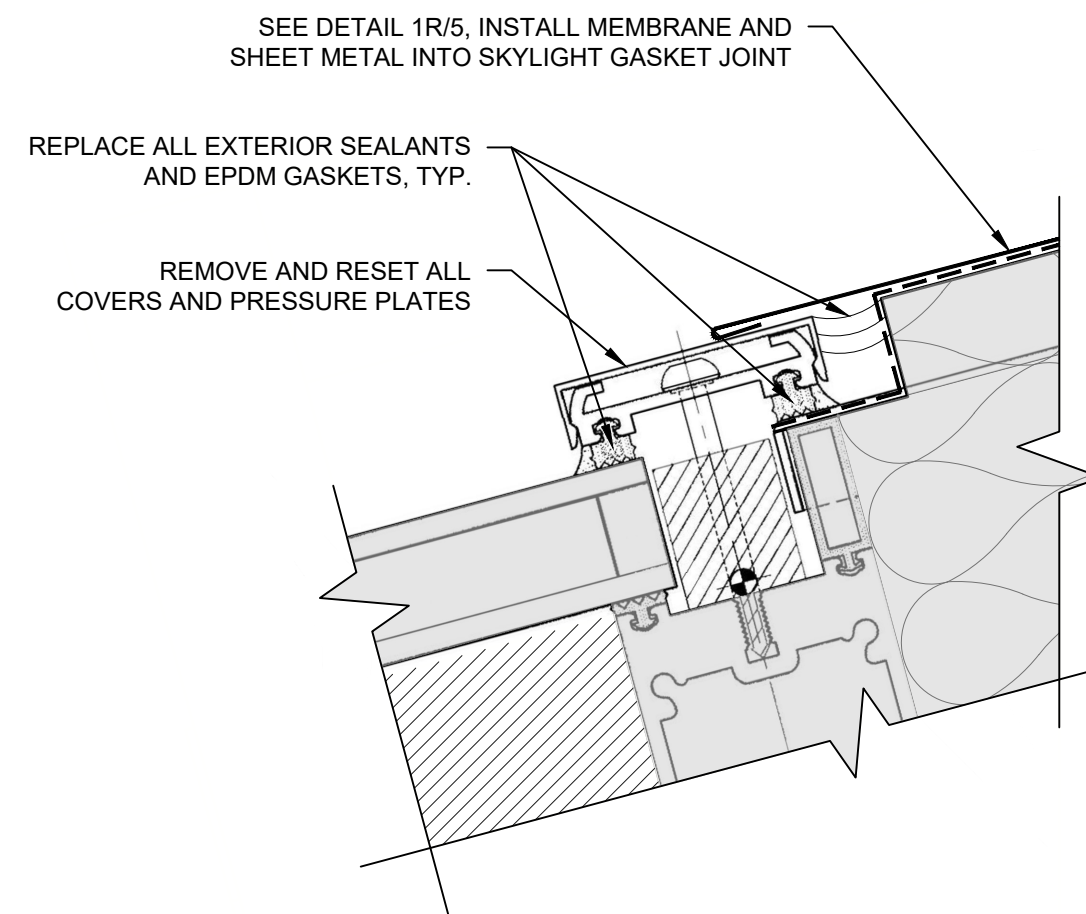
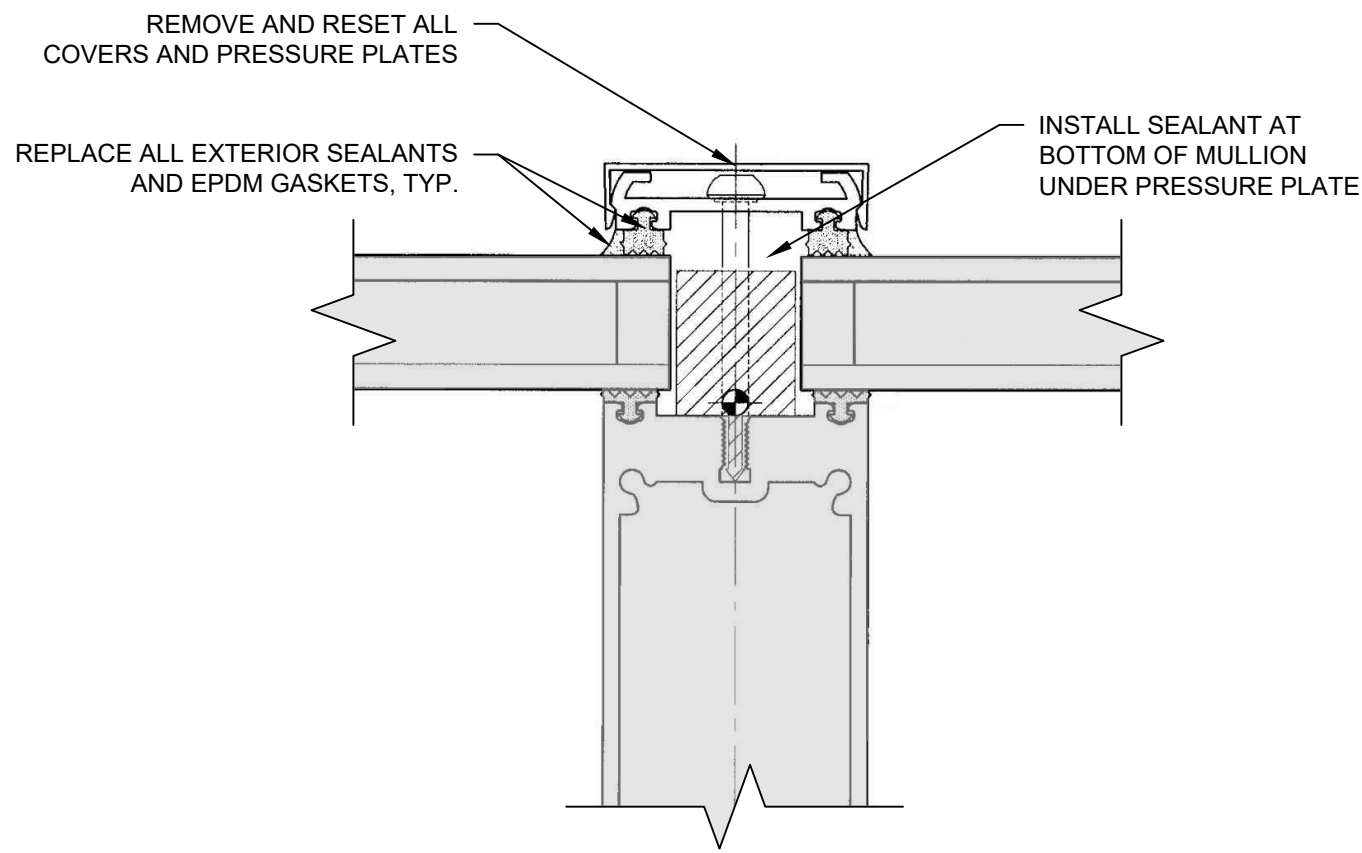
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NOTE:
REMOVE DETERIORATED MORTAR. REMOVE ADDITIONAL MORTAR UNTIL SOUND MORTAR IS ENCOUNTERED.

NOTE:
1. CLEAN AND PRIME SURFACE TO RECEIVE SEALANT IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION REQUIREMENTS
2. INSTALL CLOSED-CELL BACKER ROD (WHERE A GAP IS PRESENT)

NOTE:
1. STRIKE ALL JOINTS W/ CONCAVE BARREL PROFILE
2. REMOVE DETERIORATED MORTAR UNTIL SOUND MORTAR IS ENCOUNTERED.
3. EXISTING MASONRY JOINTS MAY CONTAIN SEALANT AND FOIL TAPE WHICH SHALL BE REMOVED ENTIRELY TO REPAIR JOINTS.

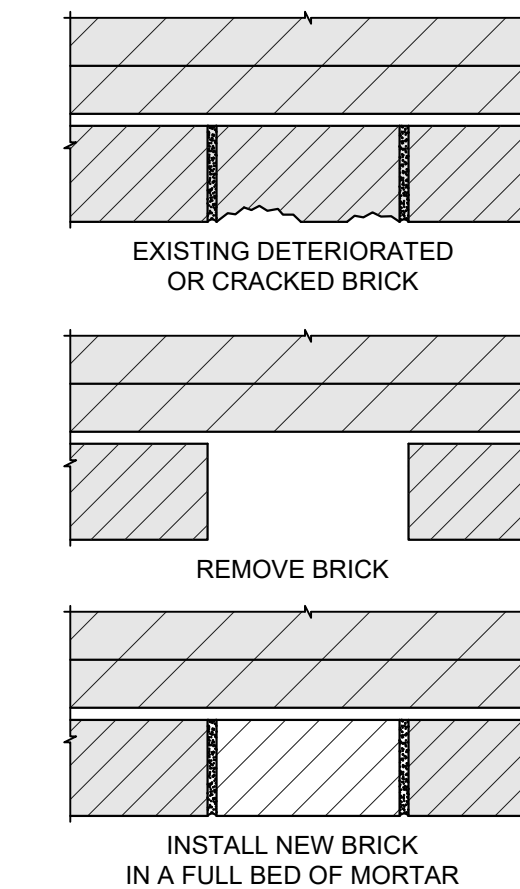
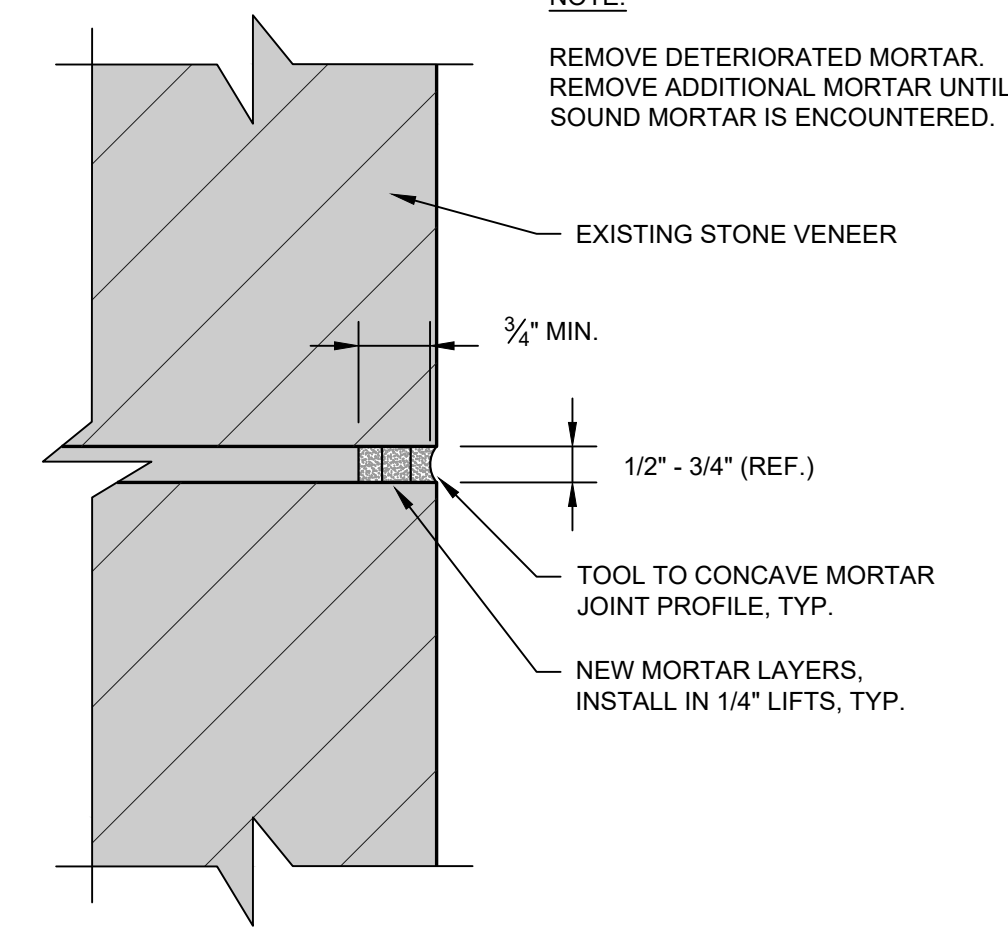
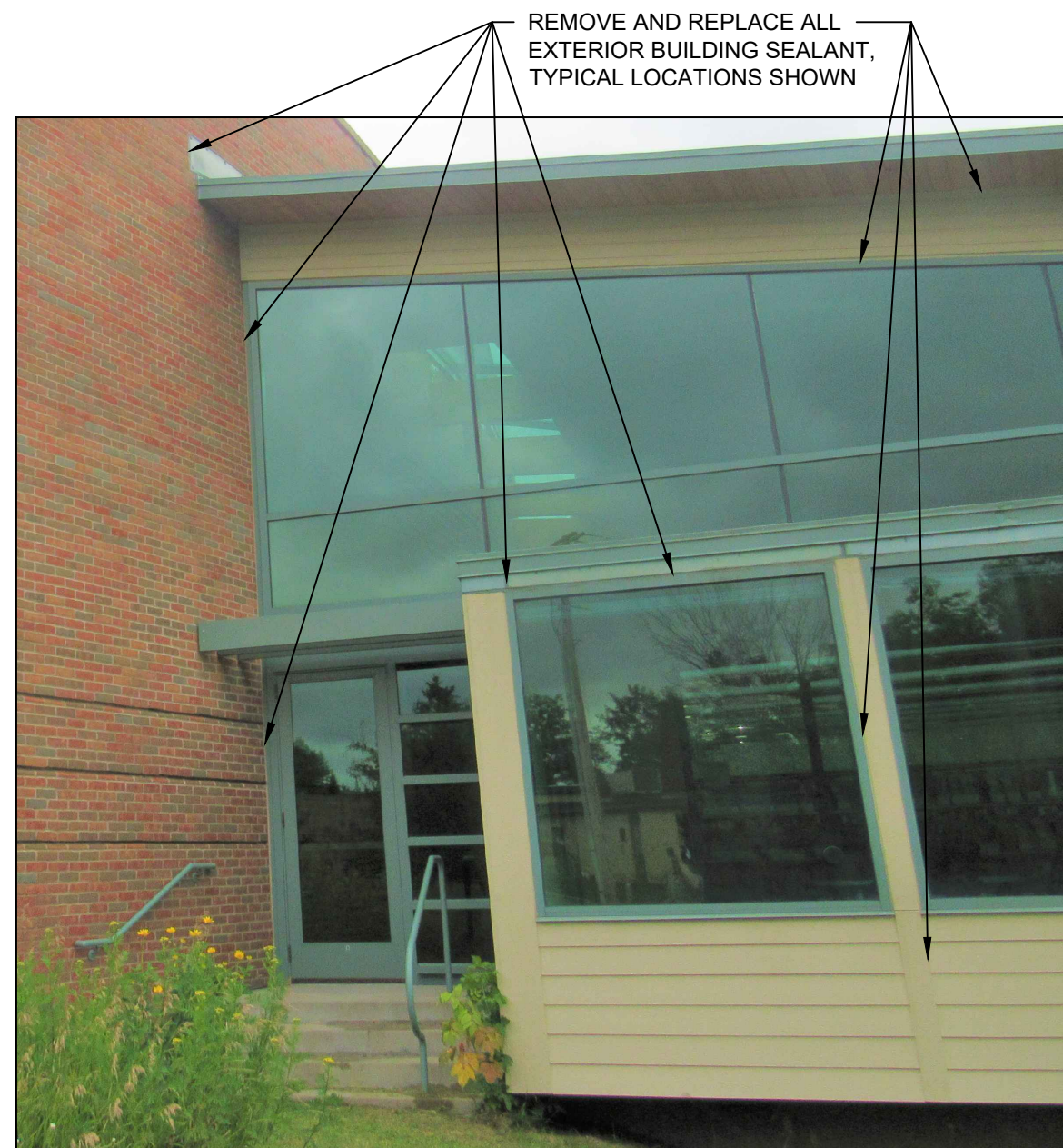
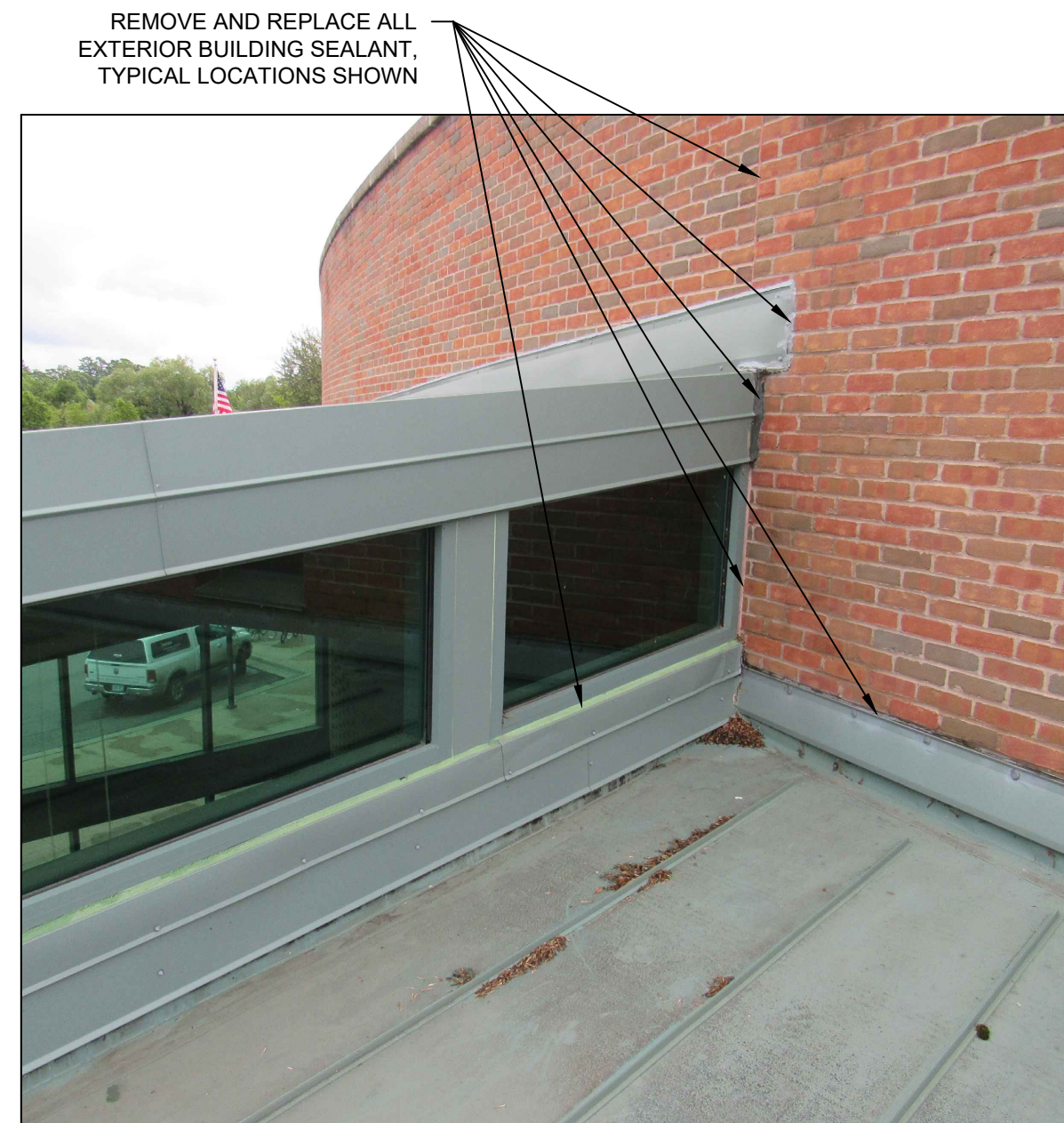
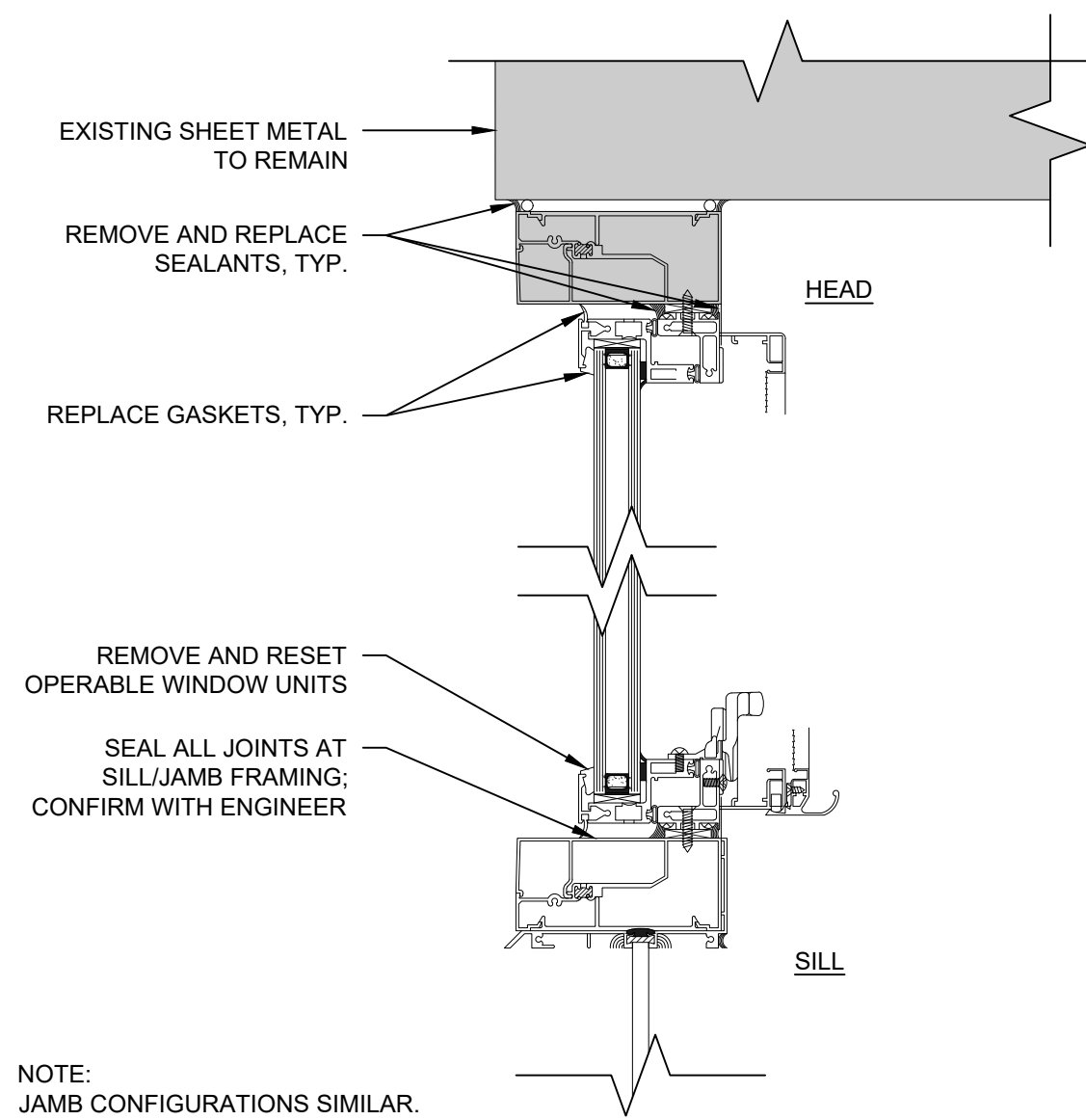


1
6 SKYLIGHT MULLION/RAFTER SECTION FOR WORK ITEM 6
SCALE: 6" = 1'-0"

2
6 SKYLIGHT HEAD SECTION FOR WORK ITEM 6
SCALE: 6" = 1'-0"

3
6 SKYLIGHT SILL SECTION FOR WORK ITEM 6
SCALE: 6" = 1'-0"

4
6 WINDOW RESET DETAILS
SCALE: NTS

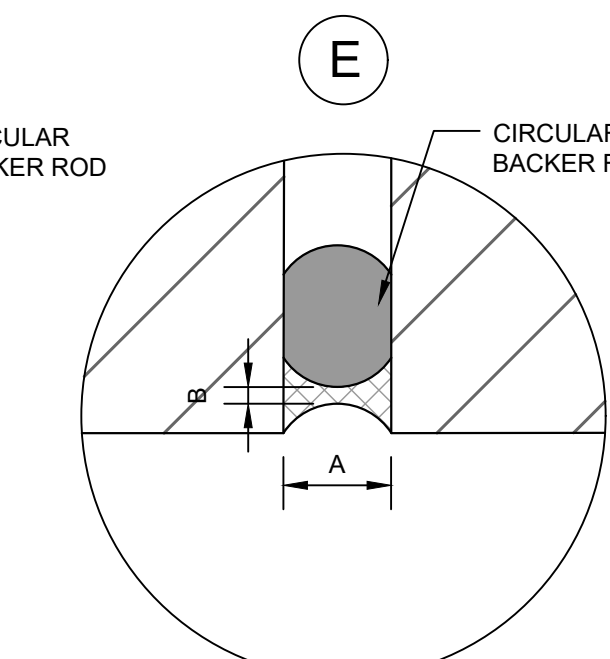
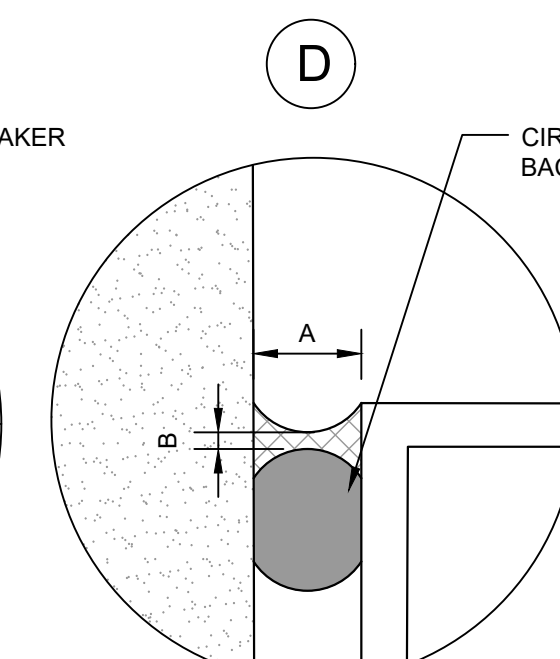
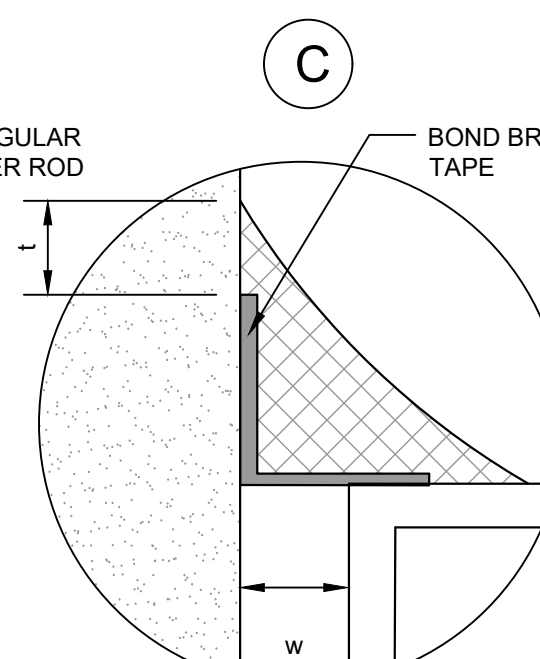
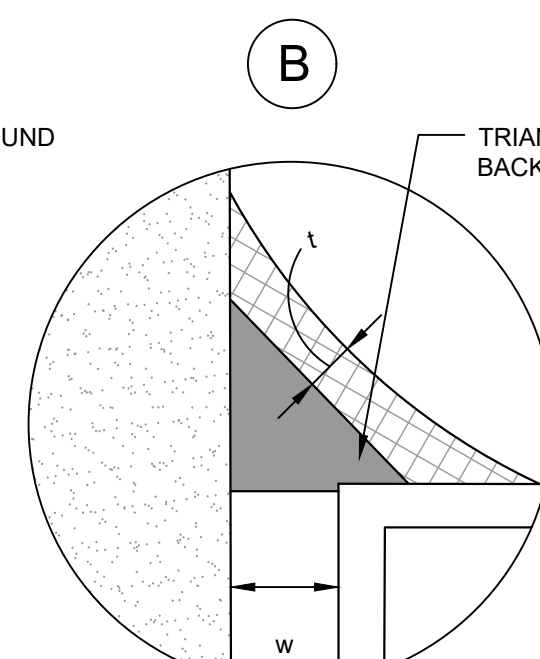
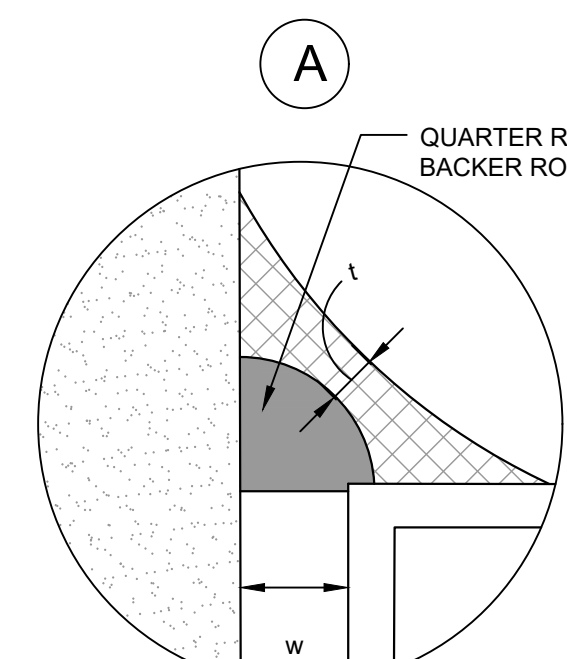


5
6 OPERABLE WINDOW SECTIONS
SCALE: 6" = 1'-0"

6
6 TYPICAL SEALANT DETAILS
SCALE: NTS

7
6 TYPICAL MASONRY TUCKPOINTING
SCALE: NTS

8
6 INDIVIDUAL BRICK REPLACEMENT
SCALE: NTS



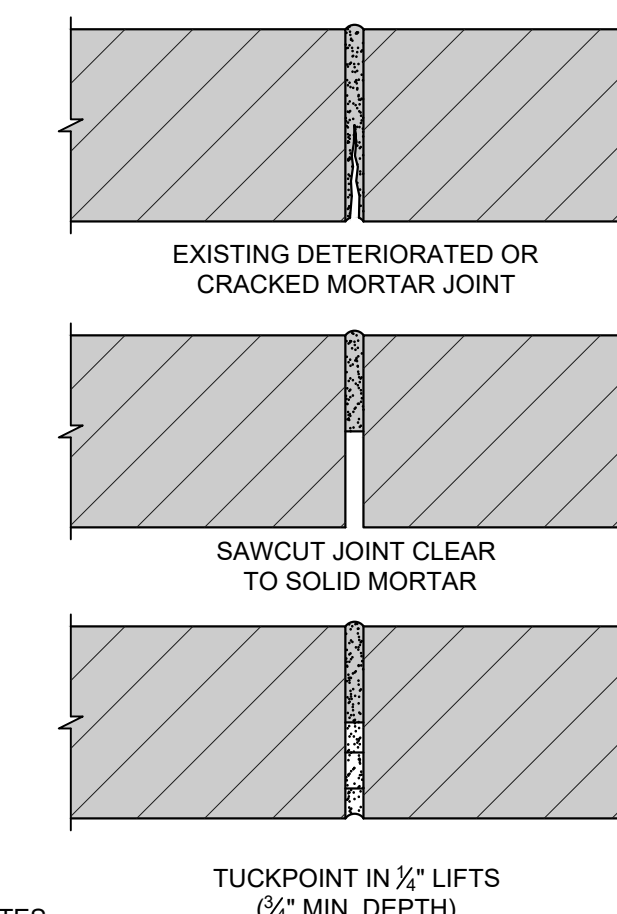
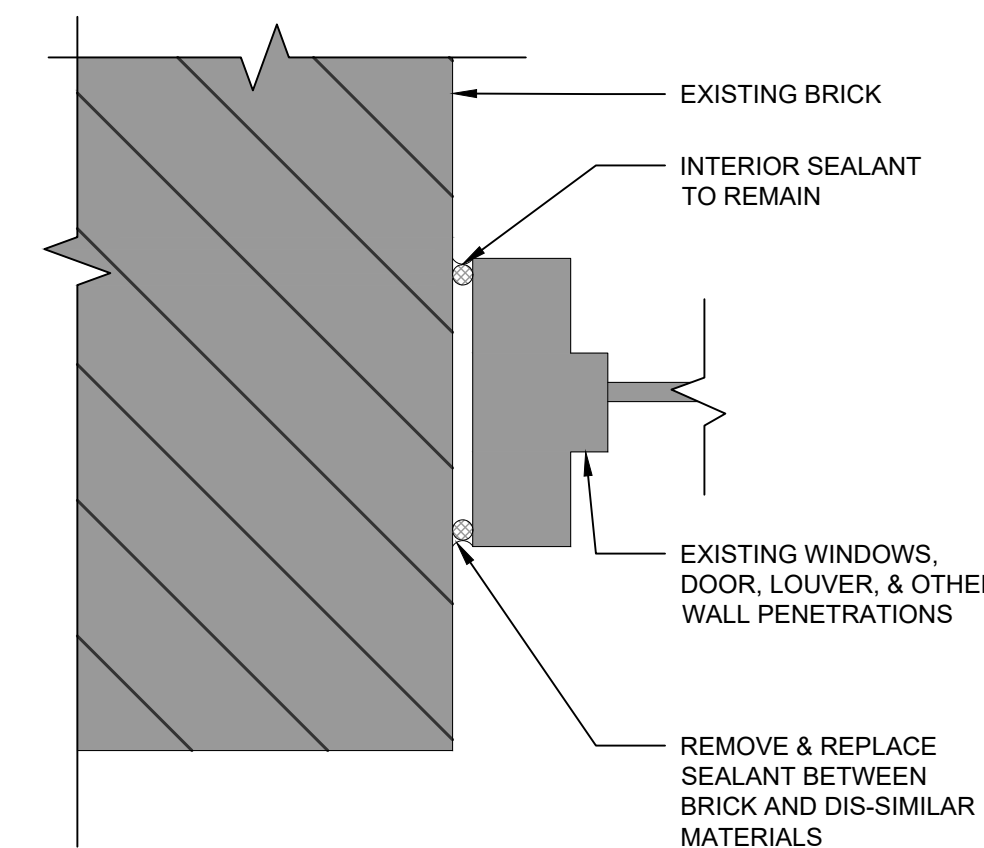
NOTES:
1) FOR ANGLE BEADS:
t = 1/4", MIN.
w = SPECIFIED BY SEALANT SUPPLIER BUT NOT LESS THAN 1/8"

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t = 1/4", MIN.
w = SPECIFIED BY SEALANT SUPPLIER BUT NOT LESS THAN 1/8"

NOTES:
1) RATIO A:B SHALL BE 2:1
2) "A" DIMENSION SHALL BE 1" MAX.
3) "B" DIMENSION SHALL BE 1/4" MIN., U.N.O.

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2) "A" DIMENSION SHALL BE 1" MAX.
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9
6 TYPICAL SEALANT DETAILS
SCALE: NTS

10
6 SEALANT REPLACEMENT
SCALE: NTS

11
6 TYP. TUCK-POINTING REPAIR
SCALE: NTS

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