

City of Worcester Historical Commission



Building Demolition Delay Waiver Application

Planning & Regulatory 455 Main Street - Room 404, Worcester, MA 01608
Phone 508-799-1400, x31440 - Fax 508-799-1406 - E-mail planning@worchesterma.gov

- 1. Building Address/Location: 55 Salisbury Street Worcester MA 01609 Date: April 11, 2024
2. Year Originally Built: 1898 Source: Massachusetts Cultural Resource Information System (MACRIS)
3. Description of Work: (i.e. Scope of work. List and explain each proposed change separately. Include description of materials and condition of items to be impacted.)

Area of Work

Partial Demolition of Building(s)

Describe "Other" Area of Work

Scope of Work - Describe Work to be Completed

A) Fuller Conservation Lab Roof & Skylight Replacement (1930s Roof Phase 2: Following the completion of the 1930s Roof Replacement (Phase 1) approved in AUG2022, WAM plans to remove and replace the 1983 sloped roof and skylight assemblies over the Fuller Conservation Lab per the SGH drawing set with oversight and coordination by Sam Anderson Architects.

B) Condenser Line Chase, Masonry Infill: Repurposing an under utilized brick masonry shaft and abandoned hoistway east of the building centerline, WAM seeks to infill two small masonry openings at the rooftop adjacent to the boiler chimney above the 1898 building. The Engineer of Record is Caputo & Wick.

Describe the Condition of Existing Materials to be Removed

A) Fuller Conservation Lab Roof & Skylight Replacement: The existing skylights are failing and require replacement. System details related to the skylights, sloped roof, and adjacent limestone wall require improvement as water infiltration and condensation have been an ongoing problem.

B) Condenser Line Chase, Masonry Infill: Per the existing conditions image provided, the vent opening currently exists. The scope of work will focus on infilling the existing opening.

Describe Proposed Materials

A) Fuller Conservation Lab:

- 1) Roof Replacement: Simulated- Metal Standing Seam Roof (SINGLE-PLY ADHERED PVC MEMBRANE) w/ code required insulation. PVC membrane color to match existing roof assembly as best as possible.
2) Skylights: Aluminum-framed triple-paned skylight assembly.
3) Limestone Wall: Existing limestone to salvage where possible and replaced to match where necessary.

B) Condenser Line Chase, Masonry Infill: New brick masonry & detailing to match new, previously approved infills located on other elevations of the 1898 building.

- 4. Reasons for Proposed Work: (e.g. Renovation, maintenance, addition, new use, code violation, etc.)

A) Fuller Conservation Lab Roof & Skylights: The existing assemblies are beyond their lifecycle and are failing.

B) Condenser Line Chase, Masonry Infill: Infill existing brick masonry open at rooftop chimney.

- 5. Applicant Name: Seth Wiseman

- 6. Owner Information:

DBA Name: (If Provided): Worcester Art Museum
Owner Name: Matthias Waschek
Owner Address: 55 Salisbury Street Worcester MA 01609 Worcester MA 01609
Owner Phone: (508) 799-4406
Owner Email: MatthiasWaschek@worchesterart.org

Owner's Signature certifying that the above information is true and accurate to the best of his/her knowledge.

(This is required if the Applicant is not the same as the Owner)

Paul Comerford

4/12/2024

Date:

Paul Comerford

Worcester Art Museum

Director of Facilities

2024 APR 16 PM 3:05
Worcester City Clerk





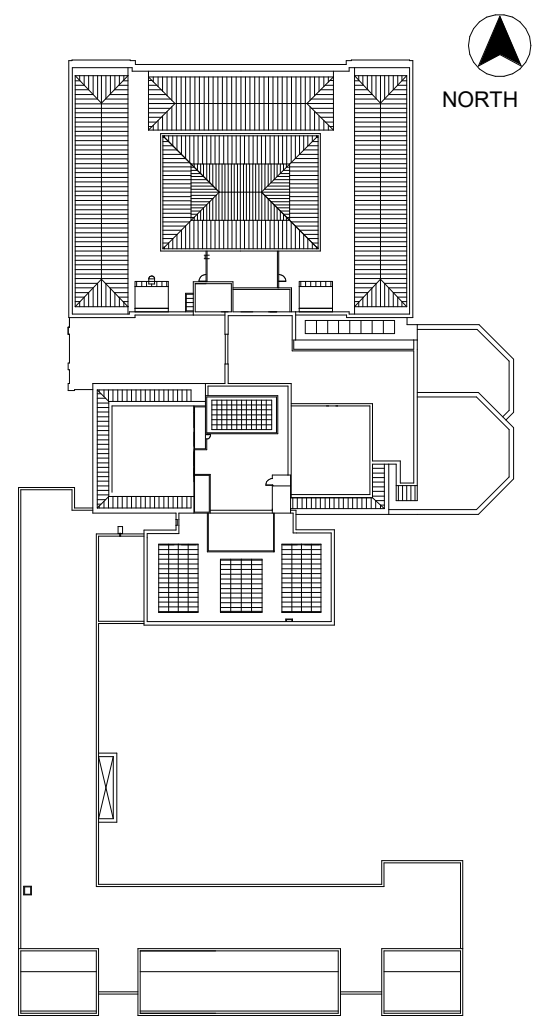
1930s BUILDING ROOF & FULLER LAB ENVELOPE IMPROVEMENTS

WORCESTER ART MUSEUM WORCESTER, MASSACHUSETTS PHASE 1 AND 2 - PERMIT SET



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KEY PLAN

DRAWING LIST		
SHEET NUMBER	PHASE	SHEET NAME
G-000		COVER SHEET AND DRAWING INDEX
G-100		SITE PLAN
G-101		PHASING
G-300		TYPICAL METAL DETAILS
G-301		TYPICAL METAL DETAILS
G-302		TYPICAL CONCRETE REPAIR DETAILS
R1-100	PHASE 1	ROOF REMOVAL PLAN
R1-200	PHASE 1	MECHANICAL ROOM REMOVAL ELEVATIONS
R1-201	PHASE 1	COVERED SKYLIGHT REMOVAL ELEVATION
R1-202	PHASE 1	PARAPET REMOVAL ELEVATIONS
R1-203	PHASE 1	FULLER LAB REMOVAL ELEVATIONS
R1-300	PHASE 1	REMOVAL DETAILS
BT1-100	PHASE 1	1930s ROOF PLAN
BT1-101	PHASE 1	FULLER ROOF AND MECHANICAL ROOM ROOFS
BT1-200	PHASE 1	MECHANICAL ROOM ELEVATIONS
BT1-201	PHASE 1	PARTIAL ELEVATIONS
BT1-202	PHASE 1	PARAPET ELEVATIONS
BT1-203	PHASE 1	FULLER LAB PARTIAL ELEVATIONS
BT1-300	PHASE 1	MODIFIED BITUMEN ROOF DETAILS
BT1-310	PHASE 1	EPDM ROOF DETAILS
BT1-320	PHASE 1	BUILT-IN GUTTER AND FLASHING DETAILS
BT1-321	PHASE 1	BUILT-IN GUTTER AND FLASHING DETAILS
BT1-330	PHASE 1	METAL PANEL INFILL DETAILS
BT1-340	PHASE 1	PENTHOUSE CLADDING DETAILS
R2-100	PHASE 2	FULLER ROOF REMOVAL PLAN
R2-200	PHASE 2	FULLER LAB REMOVAL ELEVATIONS
R2-201	PHASE 2	FULLER LAB WALL PART PLAN AND INTERIOR REMOVAL ELEVATION
BT2-100	PHASE 2	FULLER ROOF PLAN
BT2-200	PHASE 2	FULLER LAB PARTIAL ELEVATIONS
BT2-201	PHASE 2	FULLER LAB WALL PART PLAN AND INTERIOR ELEVATION
BT2-300	PHASE 2	PVC ROOF DETAILS
BT2-301	PHASE 2	PVC ROOF DETAILS
BT2-310	PHASE 2	WINDOW DETAILS
BT2-320	PHASE 2	UHPC CLADDING DETAILS

STRUCTURAL DRAWINGS		
Sheet Number	PHASE	Sheet Name
S0-001		SPECIAL TESTING & INSPECTION PROCEDURES
S0-003		SPECIAL TESTING & INSPECTION PROCEDURES
S0-010		TYPICAL DETAILS
S0-011		TYPICAL DETAILS
S0-300	PHASE 1, 2 & 3	SECTIONS AND DETAILS
S1-000		GENERAL NOTES
S1-002		SPECIAL TESTING & INSPECTION PROCEDURES
S1-100	PHASE 1	STRUCTURAL 1931 ROOF PLAN
S1-101	PHASE 1	STRUCTURAL HIGH ROOF PLAN
S1-301	PHASE 1	SECTIONS AND DETAILS
S1-302	PHASE 1	SECTIONS AND DETAILS
S1-303	PHASE 1	SECTIONS AND DETAILS
S2-102	PHASE 2	FULLER PART PLANS
S2-302	PHASE 2	SECTIONS AND DETAILS

No.	Date	Description	By
5	7/22/22	PHASE 1 AND 2 - PERMIT SET	
4	03/31/22	PHASE 3 - 90% CDs	
3	02/11/22	PHASE 1 AND 2 BID SET	
2	12/16/21	50% CONSTRUCTION DOCUMENTS	
1	10/28/21	100% DESIGN DEVELOPMENT	

1930s Building Roof & Fuller Lab Envelope Improvements
WORCESTER ART MUSEUM
WORCESTER, MA

Project

COVER SHEET AND DRAWING INDEX

Drawing Title

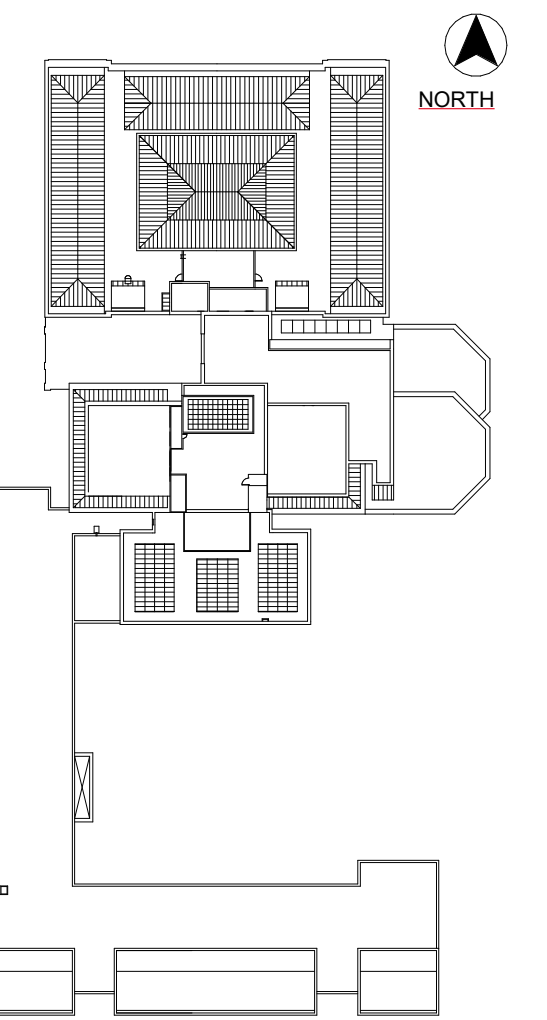
Project No. 210608.00	Checked CCW	Date 7/22/2022
Drawn KEM/BBS/MAW	Approved JSD	Scale As indicated

Seal	Drawing No. G-000
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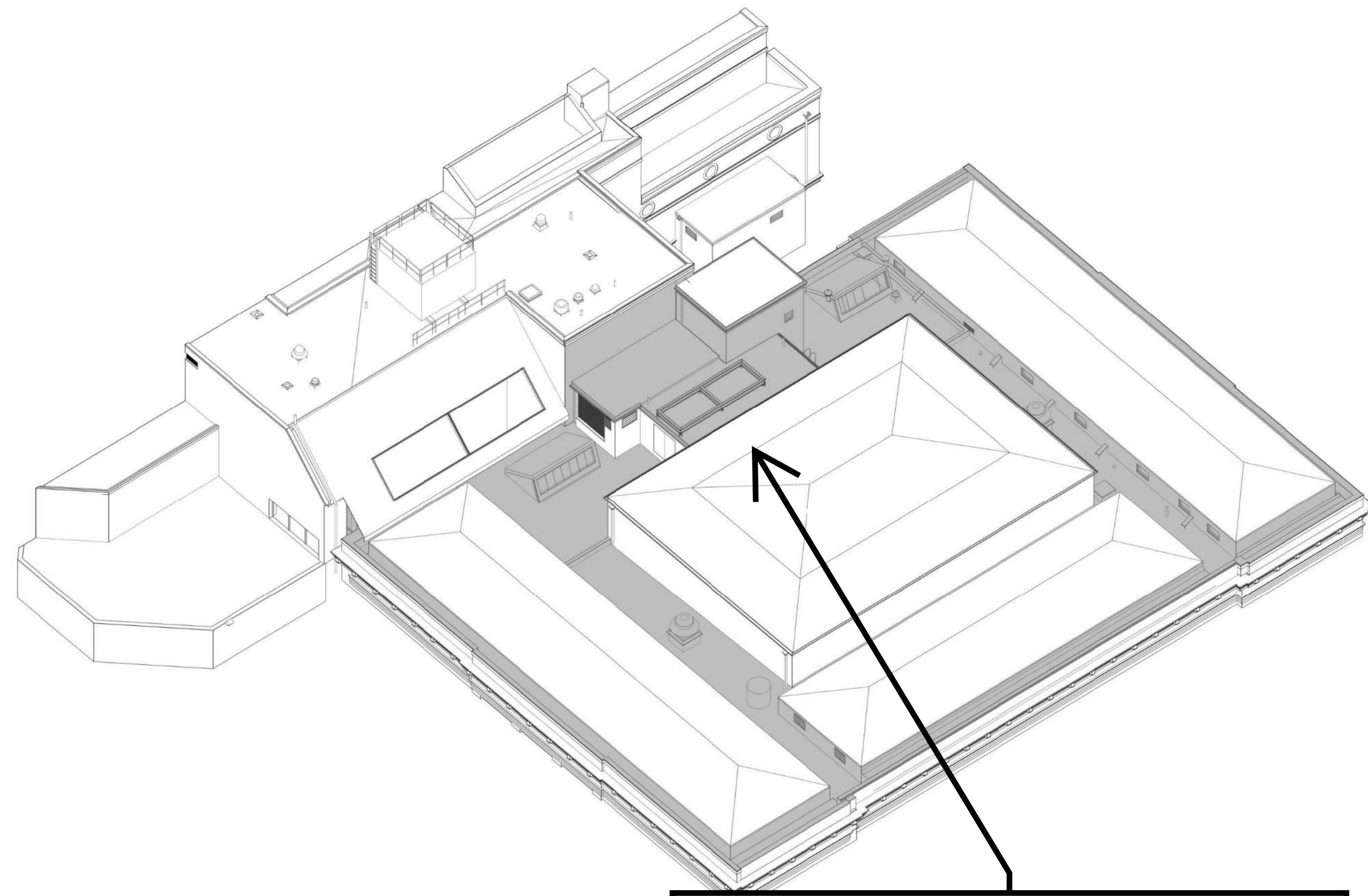


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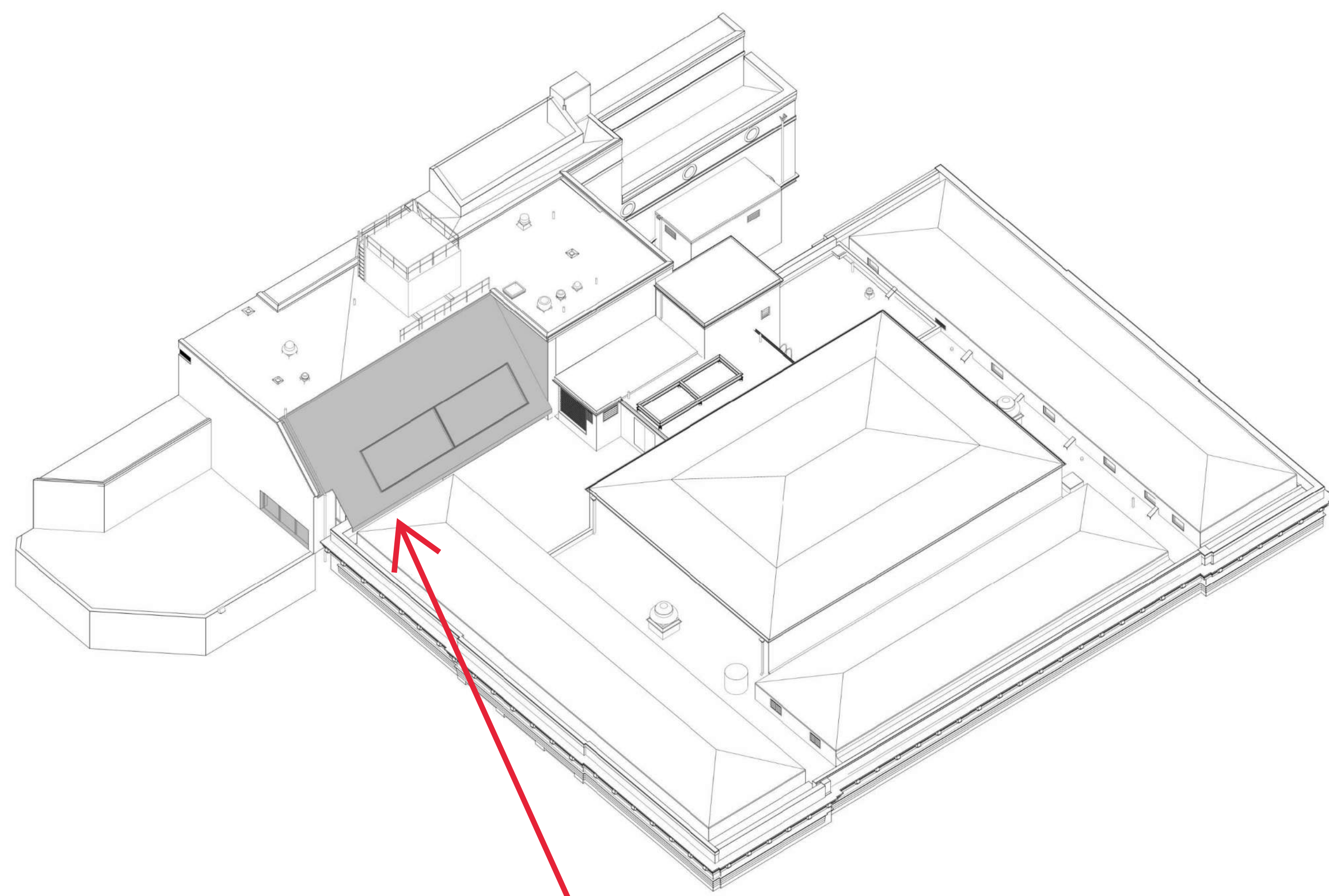


KEY PLAN



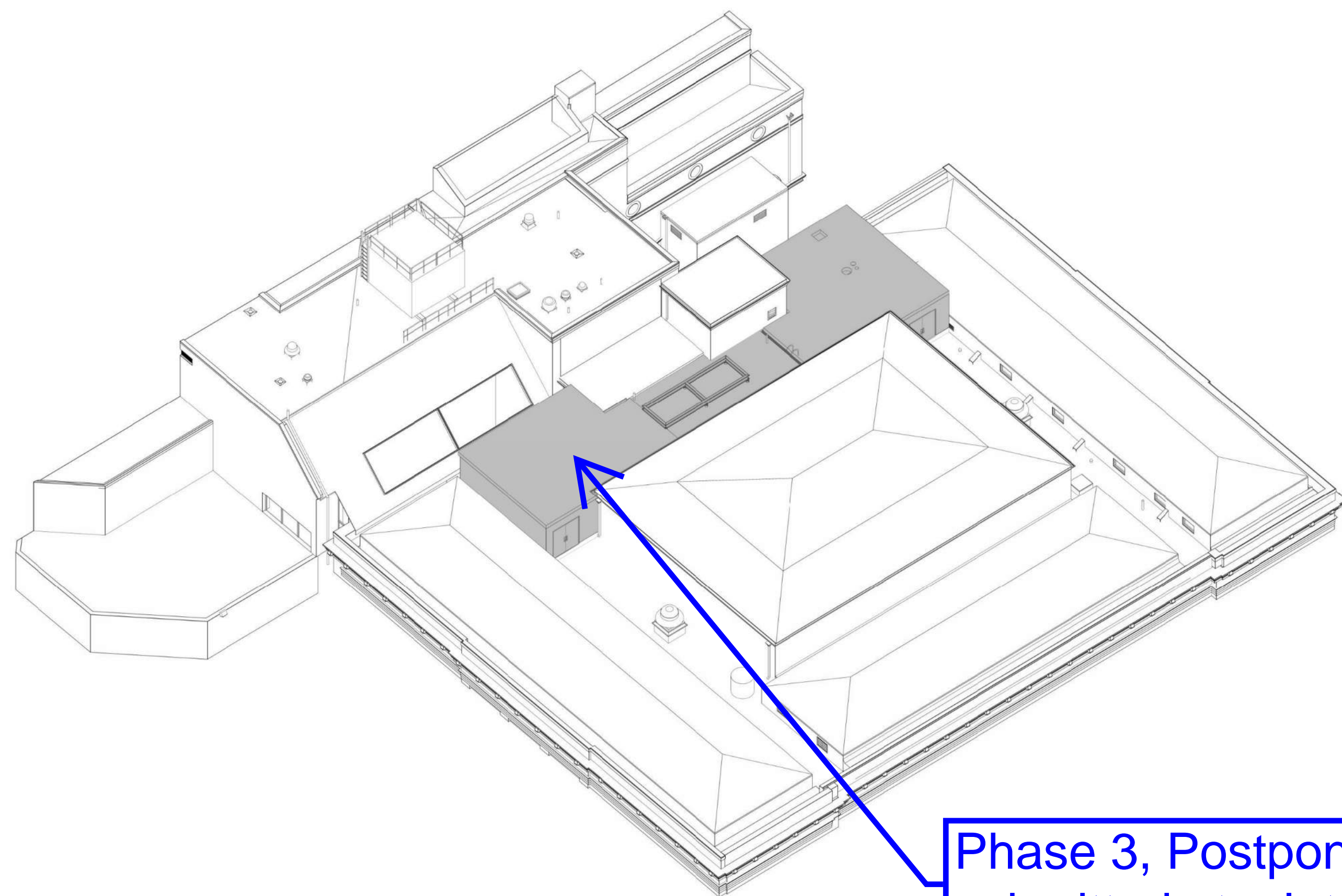
Phase 1, Complete per Decision 22AUG2022

1 PHASE 1
NTS



2 PHASE 2
NTS

**WHC, Area of Interest
Phase 2: Fuller
Conservation Lab Roof &
Skylight Replacement**



**Phase 3, Postponed &
submitted at a later date.**

3 PHASE 3
NTS

No.	Date	Description	By
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**1930s Building Roof & Fuller
Lab Envelope
Improvements
WORCESTER ART MUSEUM
WORCESTER, MA**

Project

PHASING

Drawing Title

Project No. 210608.00	Checked CCW	Date 7/22/2022
Drawn KEM/BBS/MAW	Approved JSD	Scale As indicated

Drawing No.

G-101

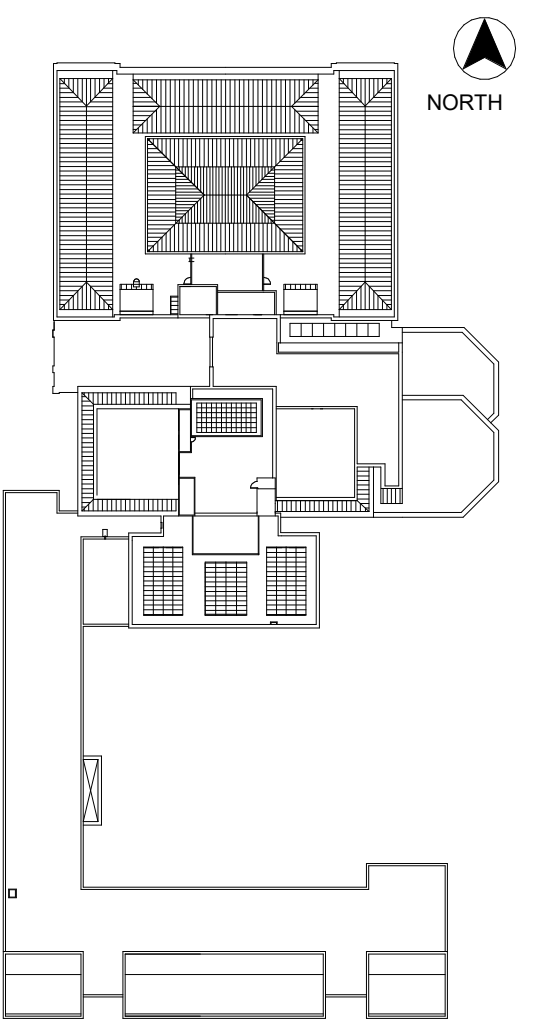
Seal

LEGEND

■	APPROXIMATE WORK AREA BY PHASE
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PHASING NOTES:

- BUILDING MODEL AND SHADING SHOWN SCHEMATICALLY TO ILLUSTRATE GENERAL PHASING OF THE SCOPE OF WORK RELATED TO THE 1930s ROOF AND FULLER LAB ENVELOPE IMPROVEMENTS AND INTENDED FOR INFORMATIONAL PURPOSES ONLY; REFER TO DRAWINGS AND SPECIFICATIONS FOR COMPLETE SCOPE OF WORK.
- GENERAL: PROTECT ALL SURROUNDING FINISHES AND STRUCTURE TO REMAIN. SEQUENCE WORK OR PROVIDE SHORING TO MAINTAIN STABILITY OF STRUCTURE. REFER TO ADDITIONAL REQUIREMENTS IN SPECIFICATIONS.
- HAZARDOUS MATERIALS: HAZARDOUS MATERIALS FOUND IN PROJECT AREA COORDINATE WITH ABATEMENT DRAWINGS AND REQUIREMENTS OF OWNER'S HAZARDOUS MATERIALS CONSULTANT.



KEY PLAN

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1930s Building Roof & Fuller Lab Envelope Improvements
WORCESTER ART MUSEUM
WORCESTER, MA

Project

TYPICAL METAL DETAILS

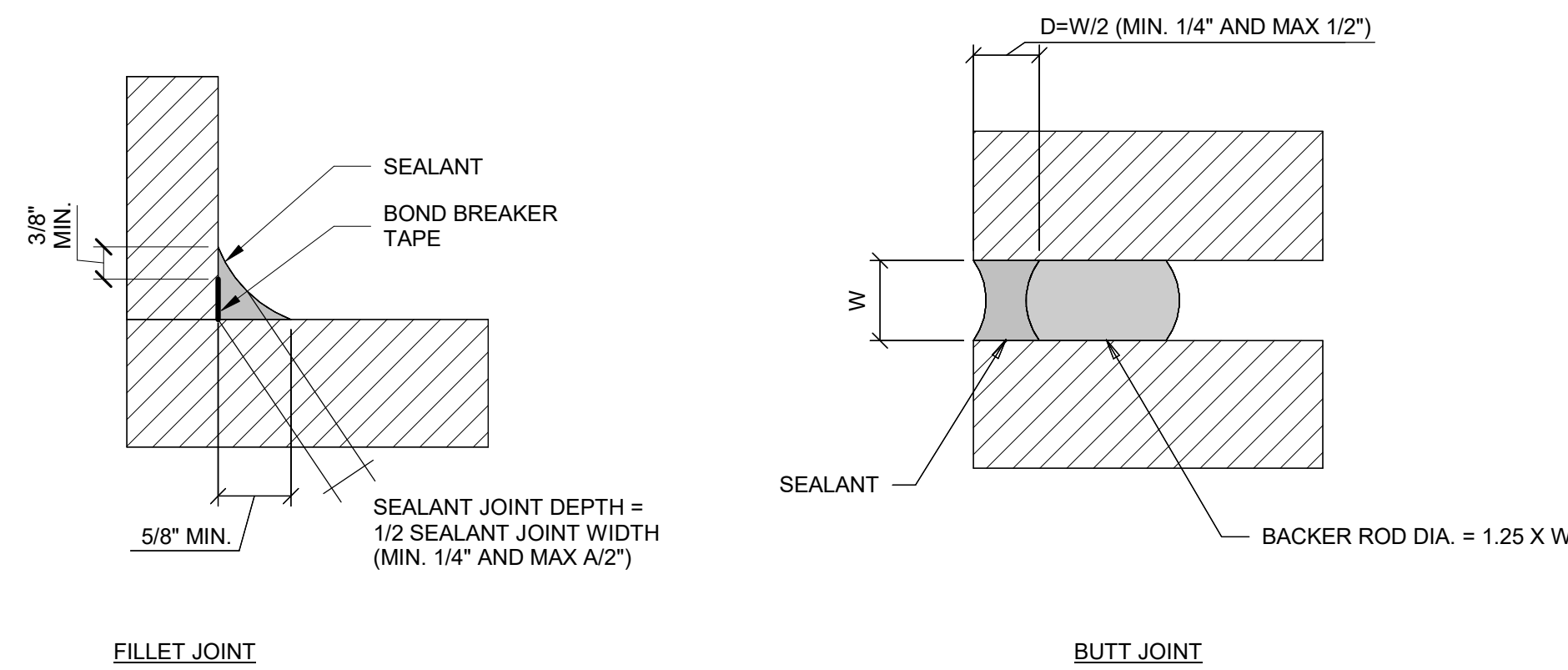
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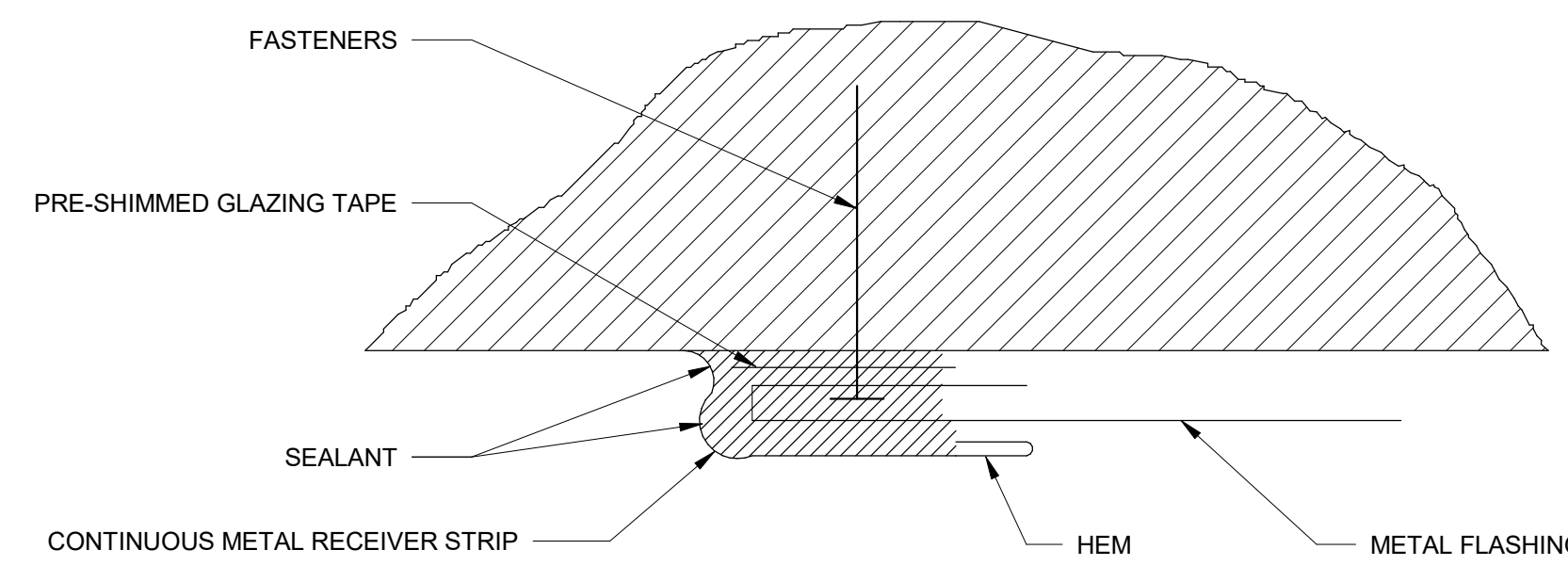
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G-300

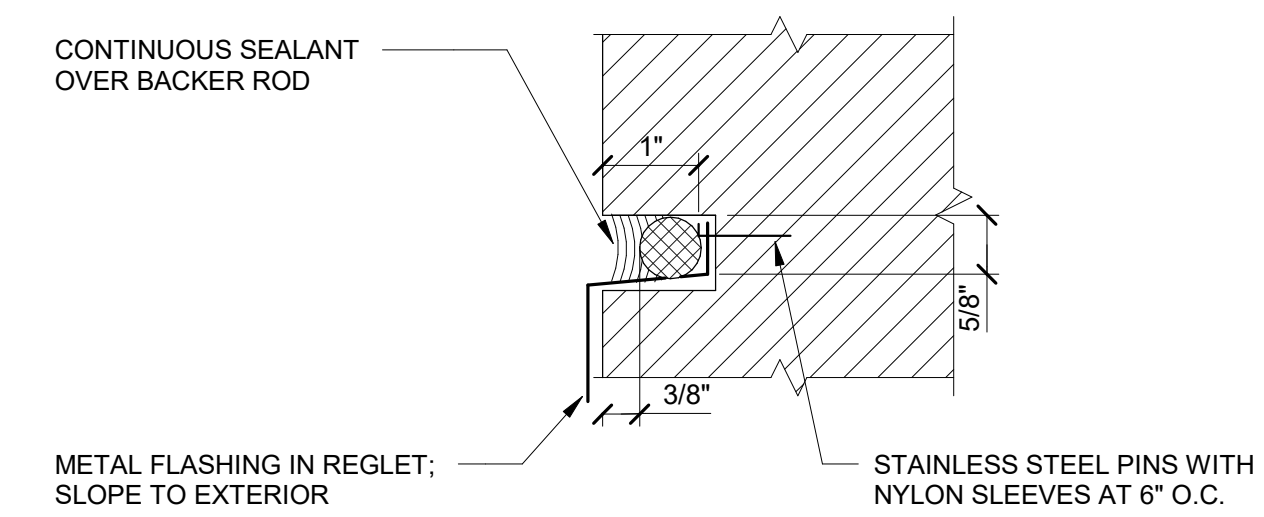
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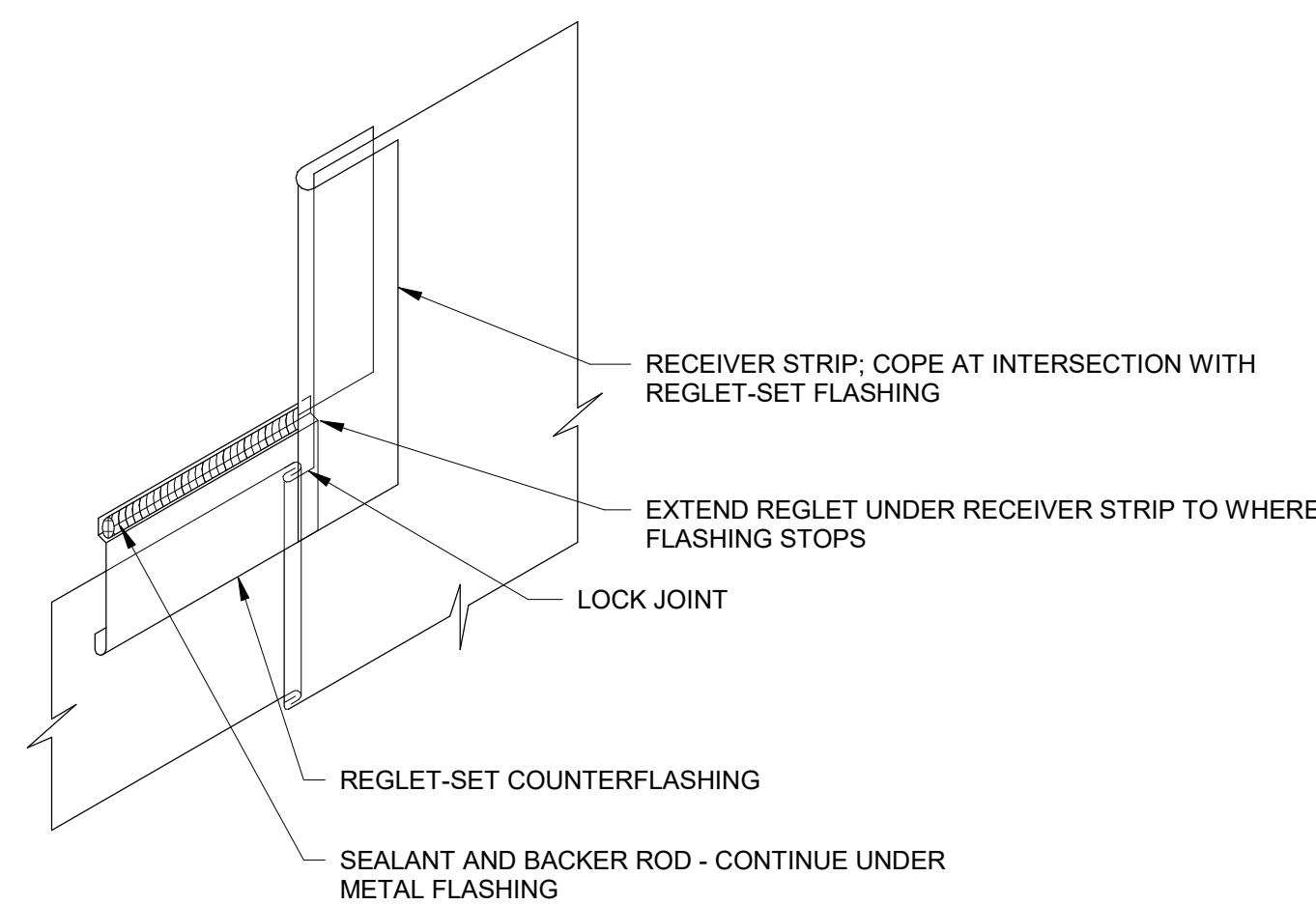
1 TYPICAL SEALANT JOINTS
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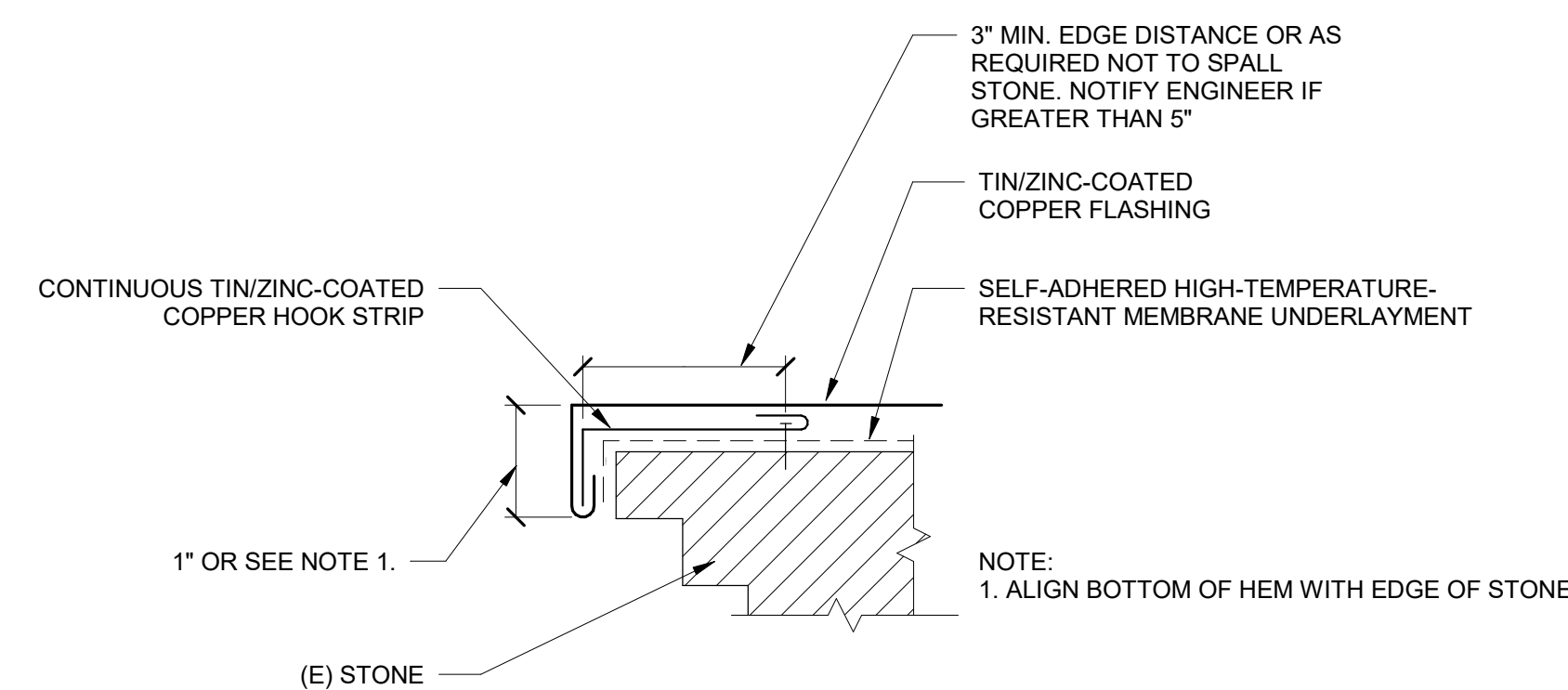
2 TYPICAL RECIEVER STRIP
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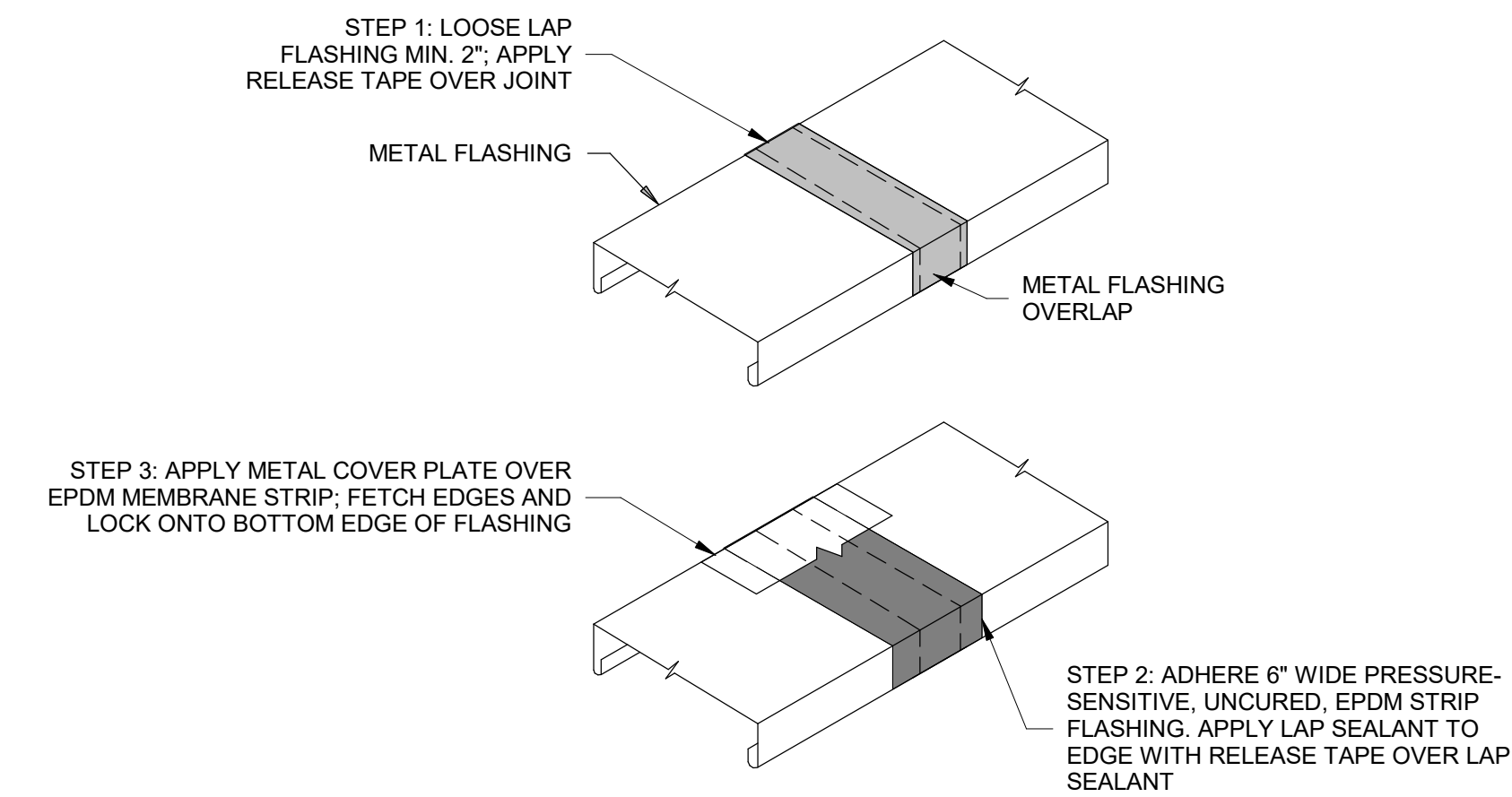
3 TYPICAL REGLET FOR METAL FLASHING
NTS



4 RECEIVER STRIP REGLET-SET FLASHING TRANSITION
NTS



5 TYPICAL FLASHING HEM
NTS

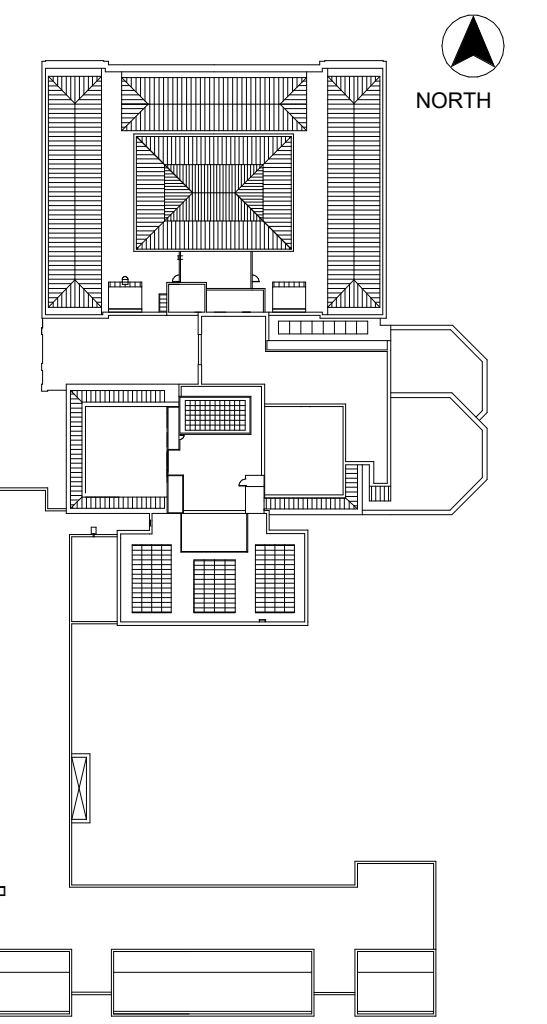


6 TYPICAL METAL FLASHING EXPANSION JOINT
NTS

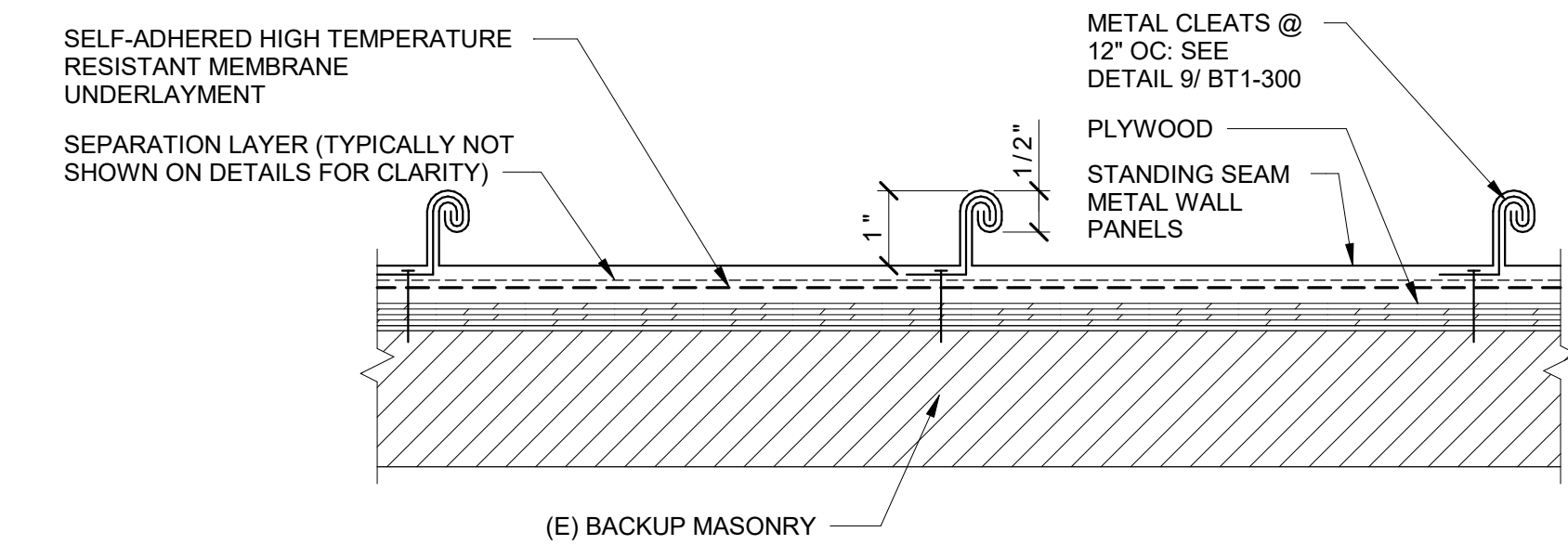


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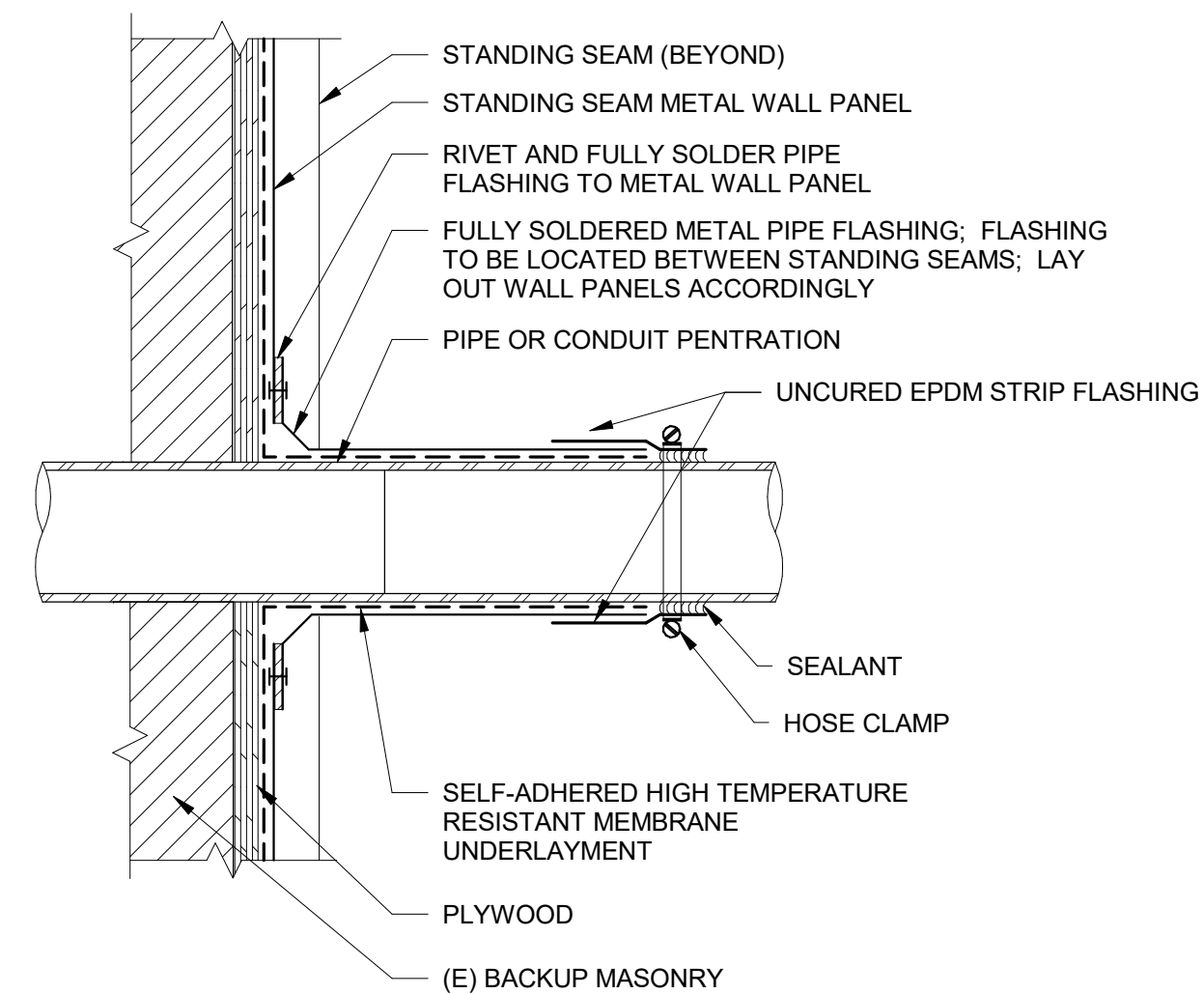
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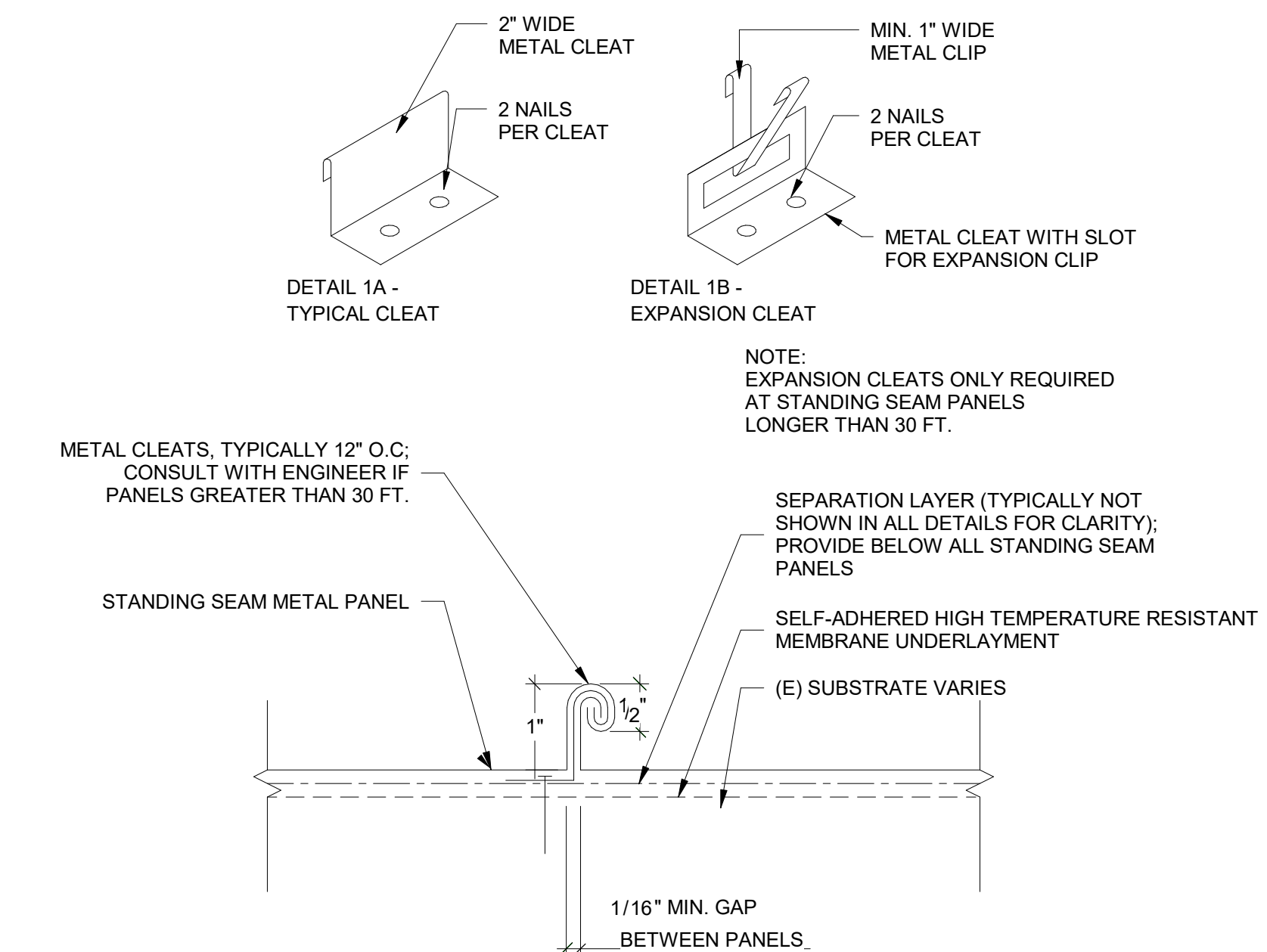
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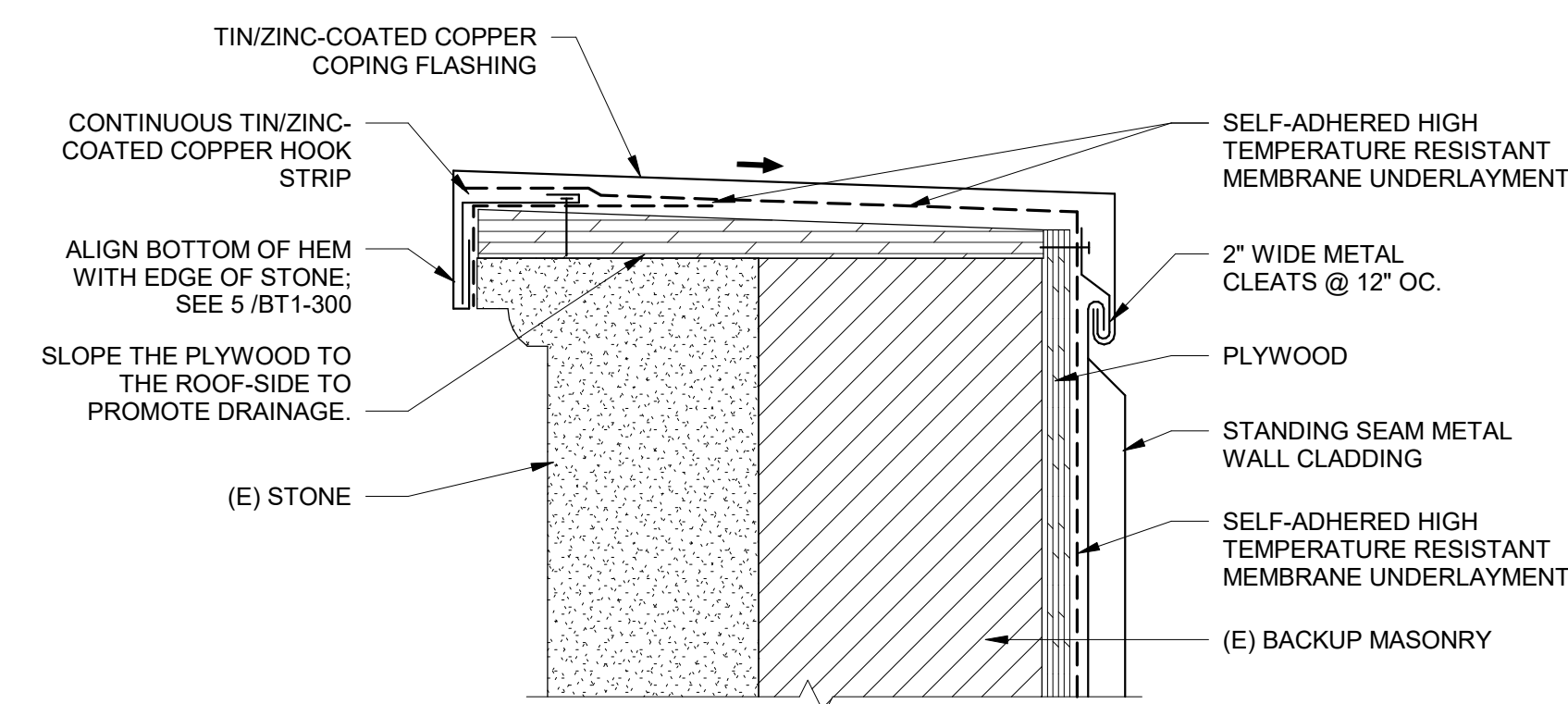
1 TYPICAL STANDING SEAM METAL WALL SYSTEM
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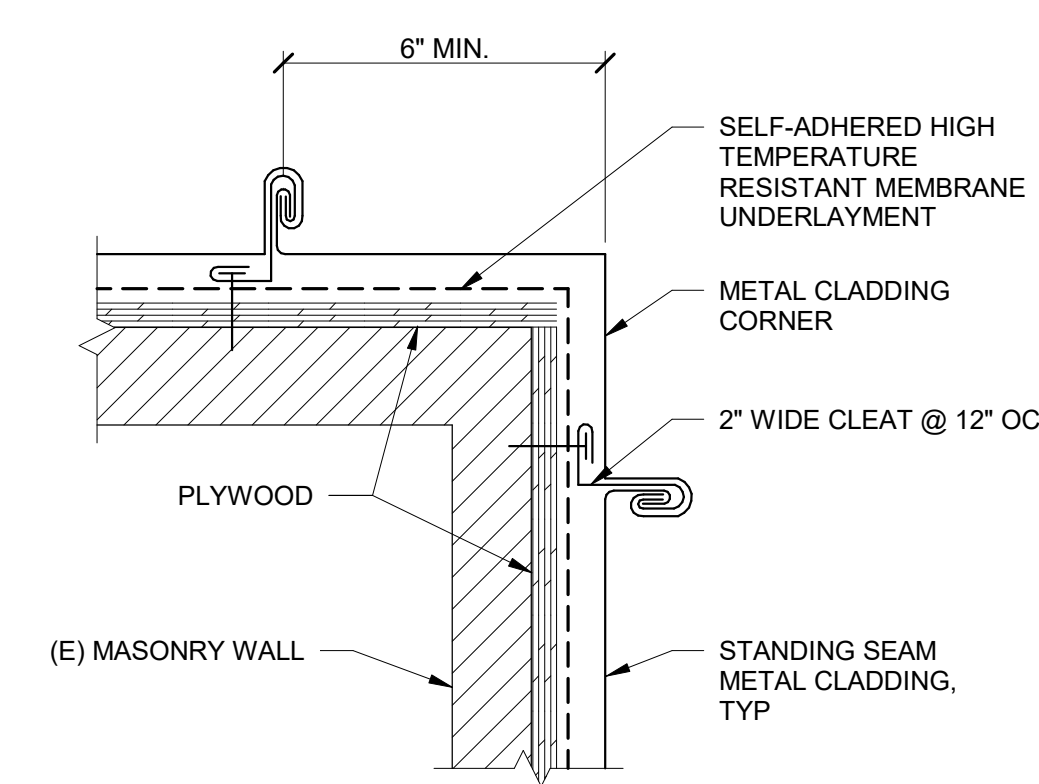
2 PENETRATION FLASHING AT STANDING SEAM WALL
 NTS



3 TYPICAL STANDING SEAM SECTION
 NTS



4 TYPICAL PARAPET COPING
 NTS



5 CORNER FLASHING
 NTS

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1930s Building Roof & Fuller Lab Envelope Improvements
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Project

TYPICAL METAL DETAILS

Drawing Title

Project No. 210608.00	Checked CCW	Date 7/22/2022
Drawn KEM/BBS/MAW	Approved JSD	Scale As indicated

Drawing No.

G-301

Seal

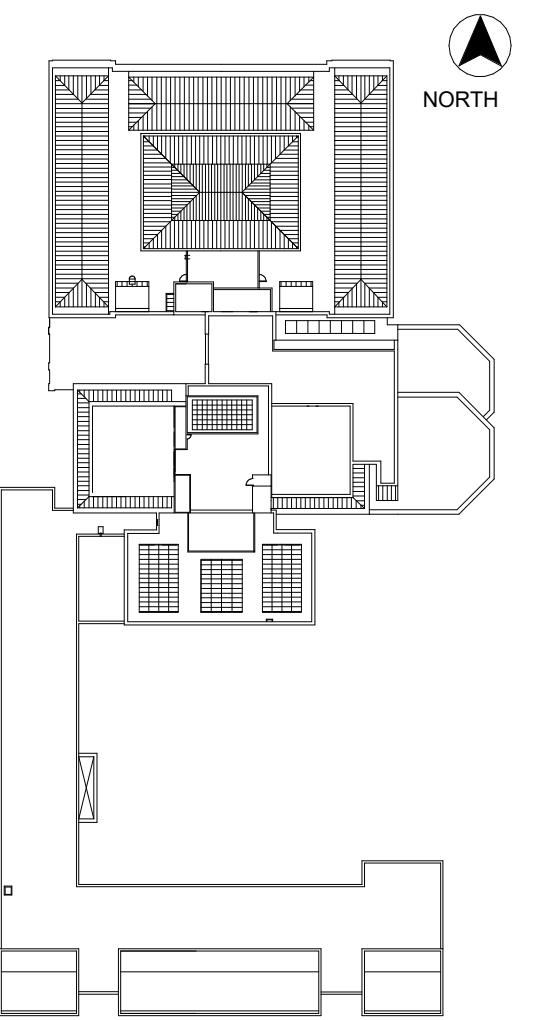
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Phase 1, Complete per Decision 22AUG2022

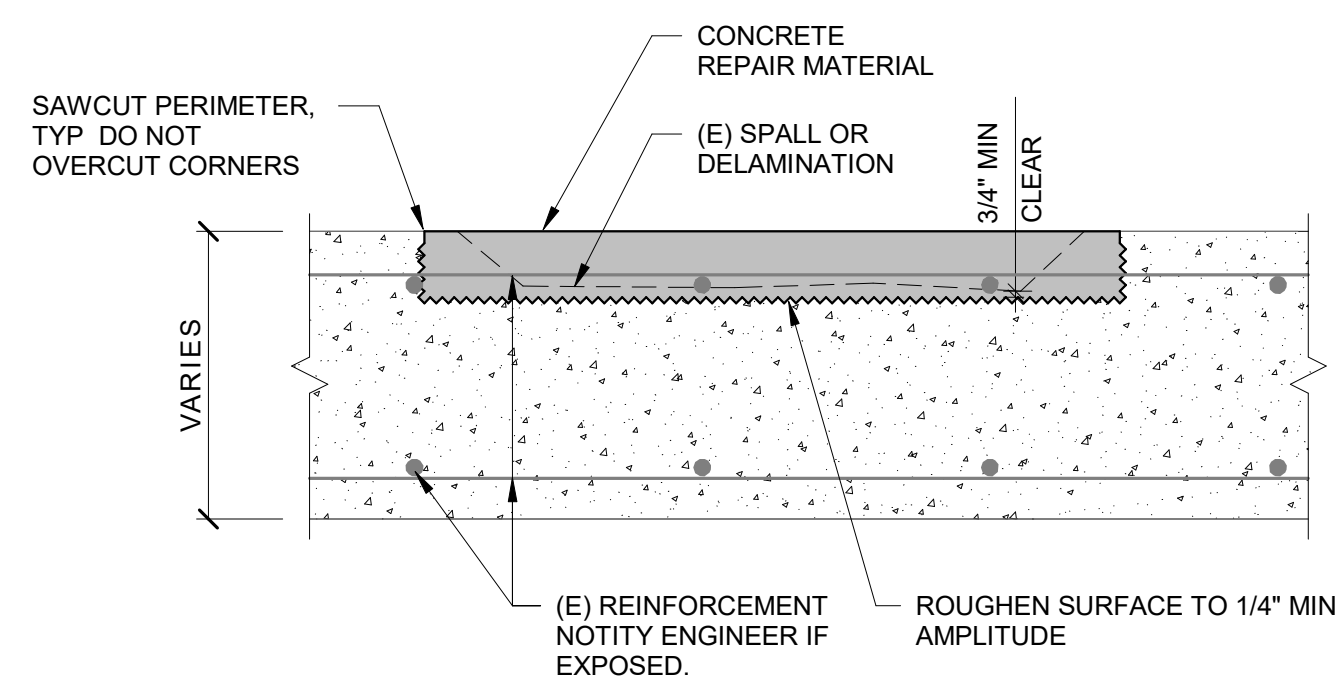


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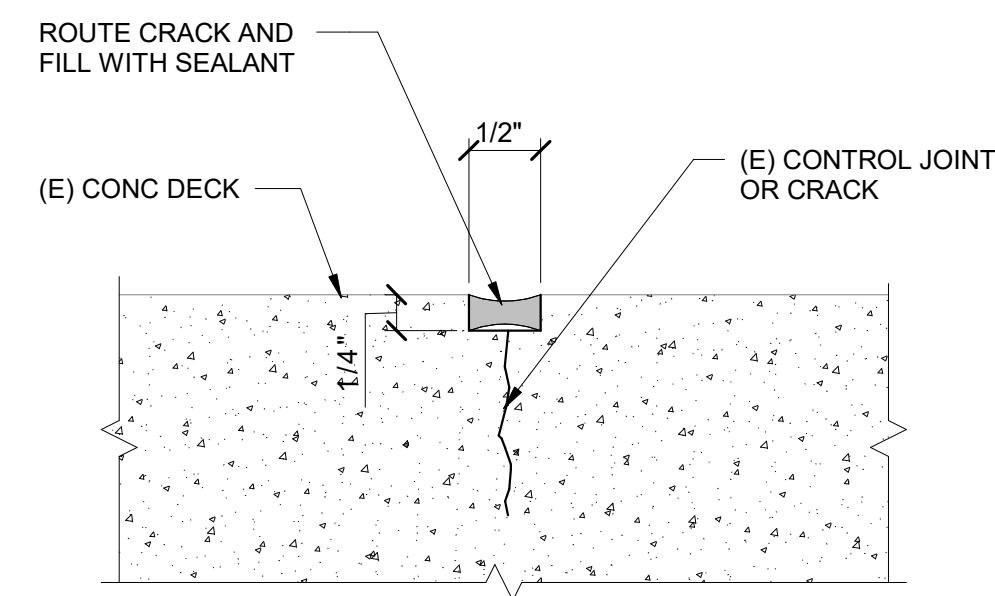


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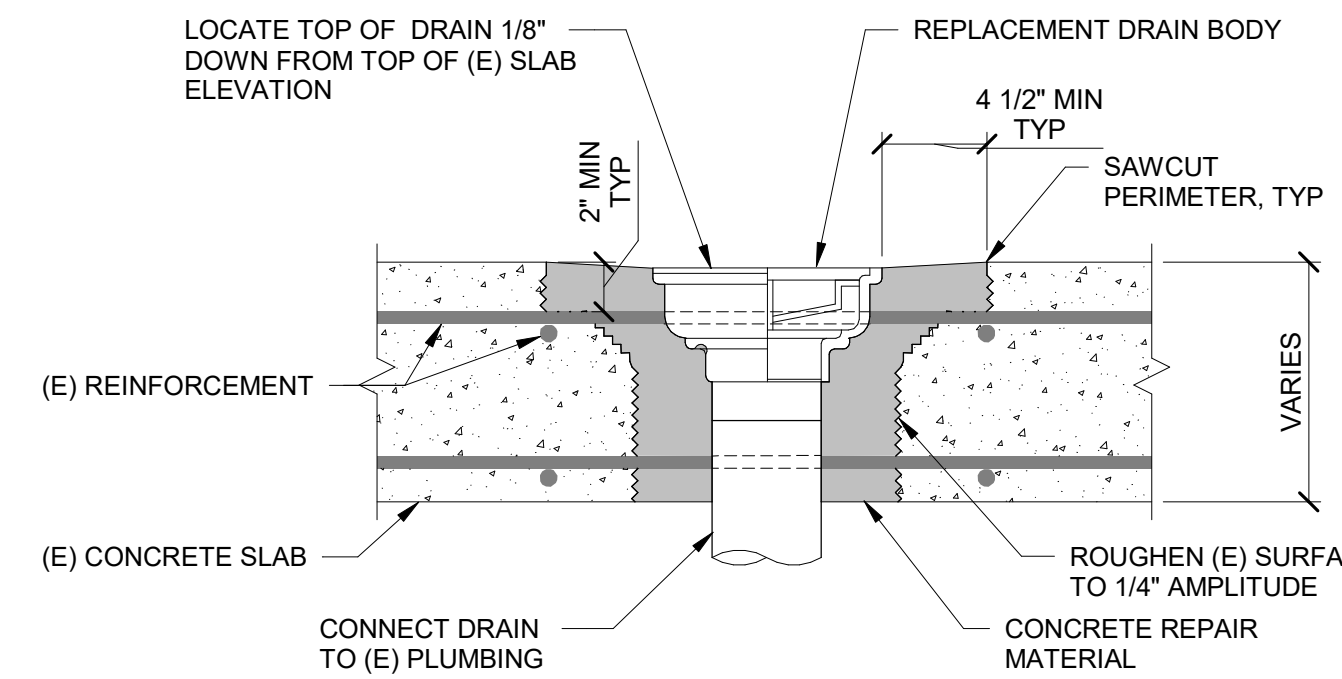


- NOTES:**
- IF (E) DETERIORATED CONCRETE EXTENDS TO (E) REINFORCEMENT, REMOVE CONCRETE TO EXPOSE ALL SIDES OF REINFORCEMENT BAR. EXTEND REMOVAL ALONG BAR LENGTH TO THE EXTENT NECESSARY TO EXPOSE UNCORRODED REINFORCEMENT AND SURFACE OF SOUND UNCONTAMINATED CONCRETE.
 - TREAT ALL EXPOSED (E) REINFORCEMENT WITH ANTI-CORROSION COATING.
 - NOTIFY ENGINEER OF SEVERELY DETERIORATED OR CORRODED REINFORCEMENT. ASSUME ADDED LAP SPLICE BARS OF MECHANICAL COUPLERS ARE REQUIRED TO ENGAGE (E) REINFORCEMENT TO MAINTAIN CONTINUITY.

1 CONCRETE DECK REPAIR
 NTS



2 CONCRETE CRACK REPAIR
 NTS



- NOTES:**
- LOCATE (E) REINFORCEMENT OR EMBEDDED CONDUIT. DO NOT CUT, NICK OR DAMAGE (E) REINFORCING BARS. CONTRACTOR MAY CUT THROUGH (E) WWR TO INSTALL NEW DRAINS, IF PRESENT.

3 DRAIN BODY REPLACEMENT SECTION
 NTS

7/22/2022 10:35:19 AM BIM_360/Root & Fuller Lab Envelope Improvements/210608.00_WAM-ROOF_R21_CENTRAL.rvt

Phase 1, Complete per Decision 22AUG2022

No.	Date	Description	By
5	7/22/22	PHASE 1 AND 2 - PERMIT SET	
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1930s Building Roof & Fuller Lab Envelope Improvements
WORCESTER ART MUSEUM
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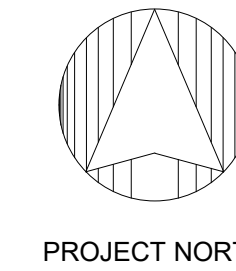
Project

TYPICAL CONCRETE REPAIR DETAILS

Drawing Title

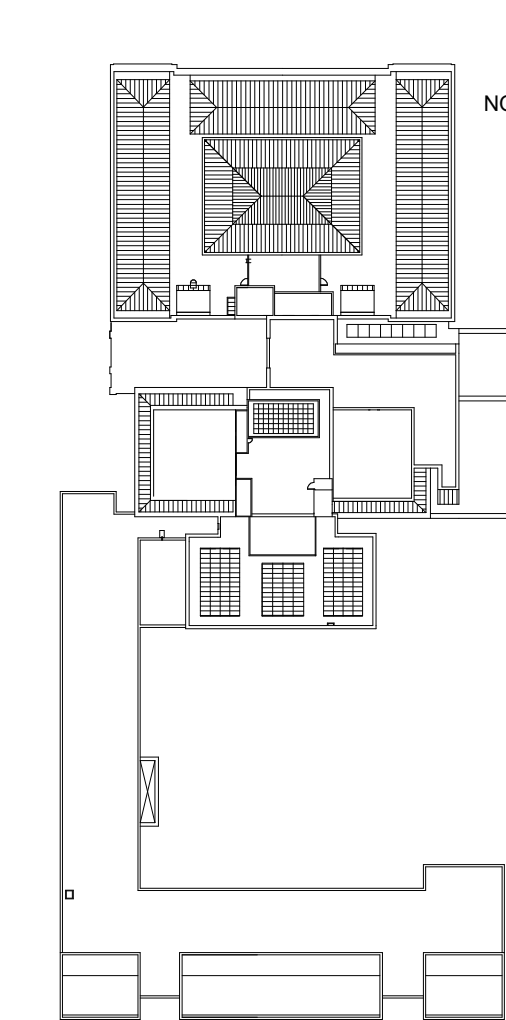
Project No. 210608.00	Checked CCW	Date 7/22/2022
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Seal	Drawing No. G-302
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KEY PLAN

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1930s Building Roof & Fuller Lab Envelope Improvements
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PHASE 1
ROOF REMOVAL PLAN

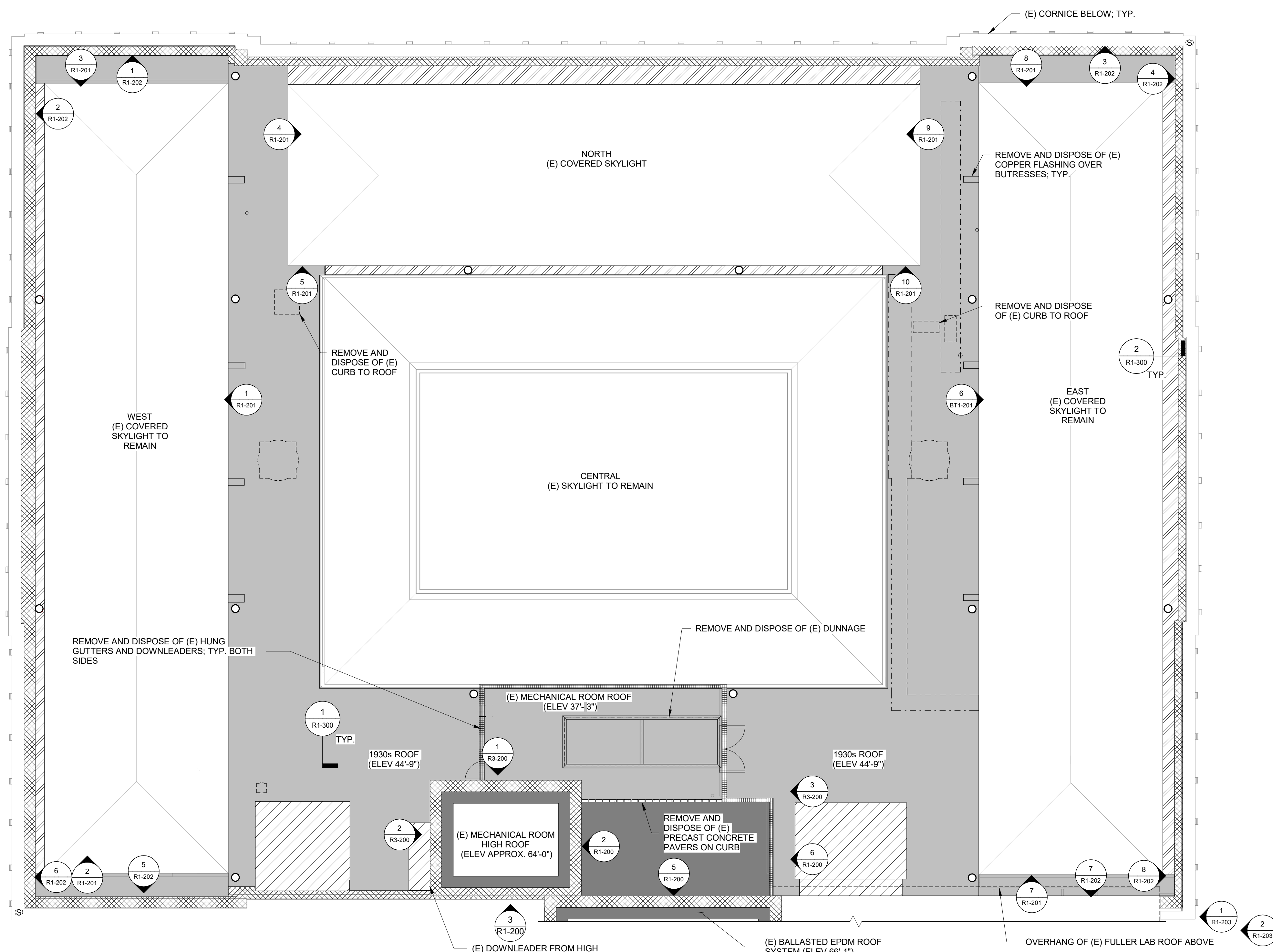
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Drawing No.

R1-100

Seal

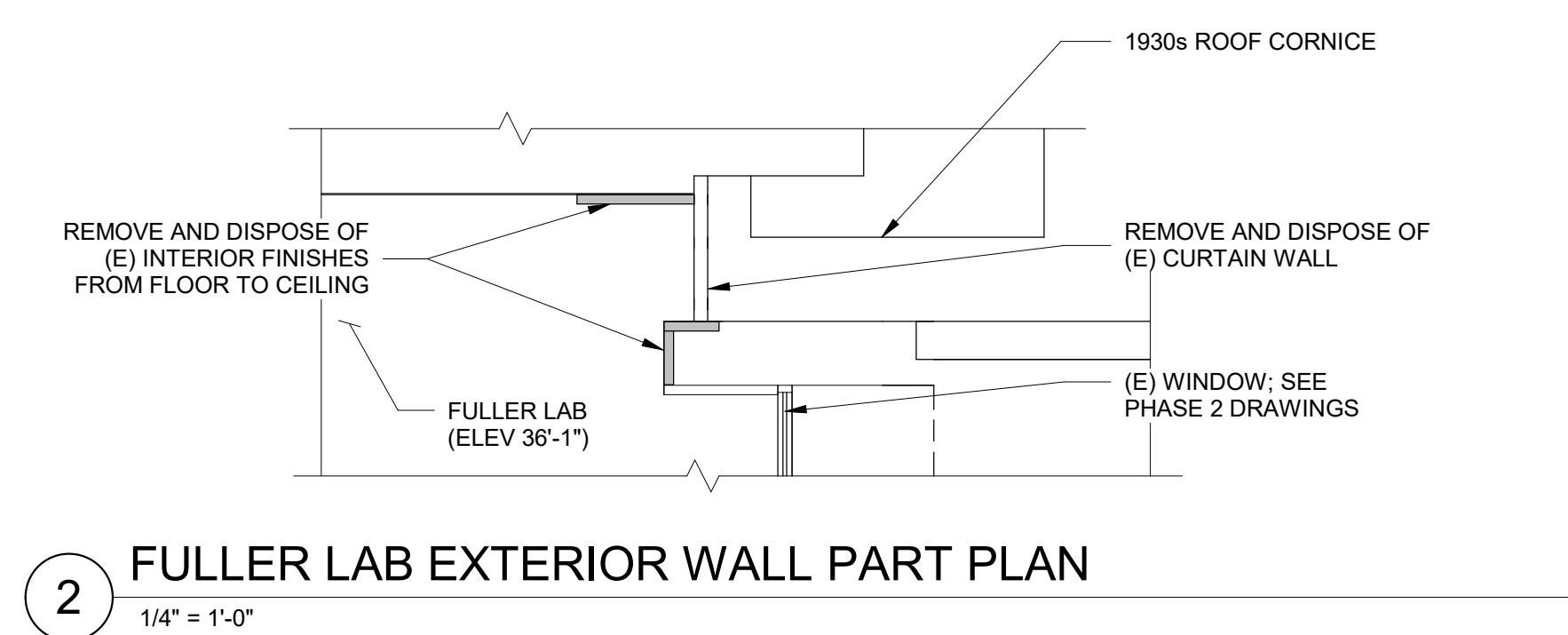


LEGEND

- REMOVE AND DISPOSE OF (E) BUILT-UP ROOF SYSTEM. REFER TO DETAIL 1/R1-300.
- REMOVE AND DISPOSE OF (E) METAL FLASHING AND UNDERLAYMENT
- REMOVE AND DISPOSE OF (E) DRAIN
- REMOVE AND DISPOSE OF (E) SKYLIGHT, FLASHING, FRAME, AND CURB
- REMOVE AND DISPOSE OF (E) BALLASTED EPDM ROOF SYSTEM
- REMOVE AND DISPOSE OF (E) METAL FLASHING AND UNDERLAYMENT AT BUILT-IN GUTTERS. REFER TO DETAIL 2/ R1-300.
- (E) SECURITY CAMERA ON METAL STRUT ATTACHMENT AND CONDUIT/WIRING; RELOCATE AS REQUIRED TO COMPLETE WORK. COORDINATE WITH OWNER.
- REMOVE AND DISPOSE OF (E) MECHANICAL CURB AND VENT.
- OUTLINE OF (E) MECHANICAL DUCTWORK AND EQUIPMENT TO BE REMOVED. COORDINATE WITH MECHANICAL DRAWINGS.

- 1930 ROOF SCOPE OF WORK:**
- REMOVE AND DISPOSE OF (E) BUILT-UP ROOF SYSTEM TO (E) CONCRETE DECK; ASSUME THE (E) ROOF SYSTEM IS A FIVE-PLY COAL TAR PITCH ROOF. REMOVE AND DISPOSE OF (E) FLASHING IN MASONRY WALLS AT PERIMETERS, PENETRATIONS, AND RISING WALLS. (E) THROUGH-WALL FLASHING TO REMAIN; UNHOOK AND LIFT (E) METAL FLASHING AS REQUIRED TO COMPLETE ROOFING WORK. PROTECT METAL FLASHING FROM DAMAGE AND DO NOT CUT.
 - REMOVE AND DISPOSE OF (E) BALLASTED EPDM MECHANICAL ROOM ROOF TO (E) CONCRETE DECK.
 - REMOVE AND DISPOSE OF (E) METAL FLASHING AND UNDERLAYMENT TO (E) WOOD BLOCKING AND FRAMING AT THE (E) BUILT-IN GUTTERS.
 - REMOVE AND DISPOSE OF (E) METAL FLASHING AND UNDERLAYMENT AT LOCATIONS SHOWN ON THE DRAWINGS.
 - REMOVE AND DISPOSE OF (E) ROOF DRAINS. COORDINATE WITH PLUMBING DRAWINGS.
 - RELOCATE SECURITY CAMERAS AS REQUIRED TO COMPLETE WORK. COORDINATE TEMPORARY LOCATIONS AND ALL SHUTDOWNS WITH OWNER'S SECURITY.
 - REMOVE AND DISPOSE OF (E) METAL EXHAUST VENTS AND VENT CURBS TO ROOF DECK AT LOCATIONS SHOWN. COORDINATE WITH MECHANICAL DRAWINGS.
 - REMOVE AND DISPOSE OF (E) INTERIOR FULLER LAB FINISHES AT LOCATIONS SHOWN.

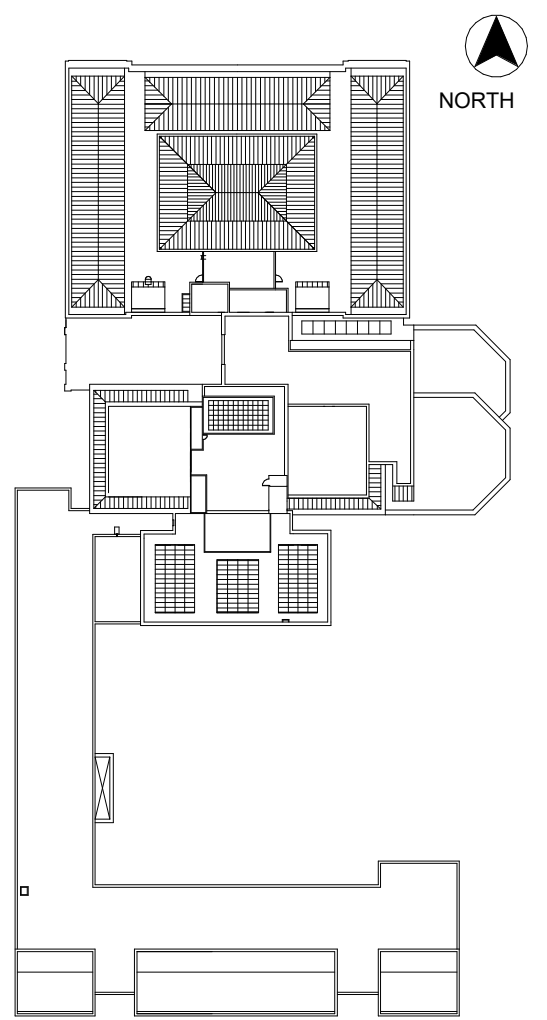
- NOTES:**
- PROVIDE TEMPORARY PROTECTION AS REQUIRED DURING REMOVALS TO MAINTAIN WEATHER-TIGHTNESS AND STRUCTURAL INTEGRITY.
 - DIMENSIONS, RELATIVE ELEVATIONS, SCALE, ETC. ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD PRIOR TO BIDDING.
 - HAZARDOUS MATERIALS: HAZARDOUS MATERIALS FOUND IN PROJECT AREA. COORDINATE WITH ABATEMENT DRAWINGS AND REQUIREMENTS OF OWNER'S HAZARDOUS MATERIALS CONSULTANT.



2 FULLER LAB EXTERIOR WALL PART PLAN
1/4" = 1'-0"

1 1930 ROOF REMOVAL PLAN
1/8" = 1'-0"

Phase 1, Complete per Decision 22AUG2022



KEY PLAN

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1930s Building Roof & Fuller Lab Envelope Improvements
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WORCESTER, MA

Project

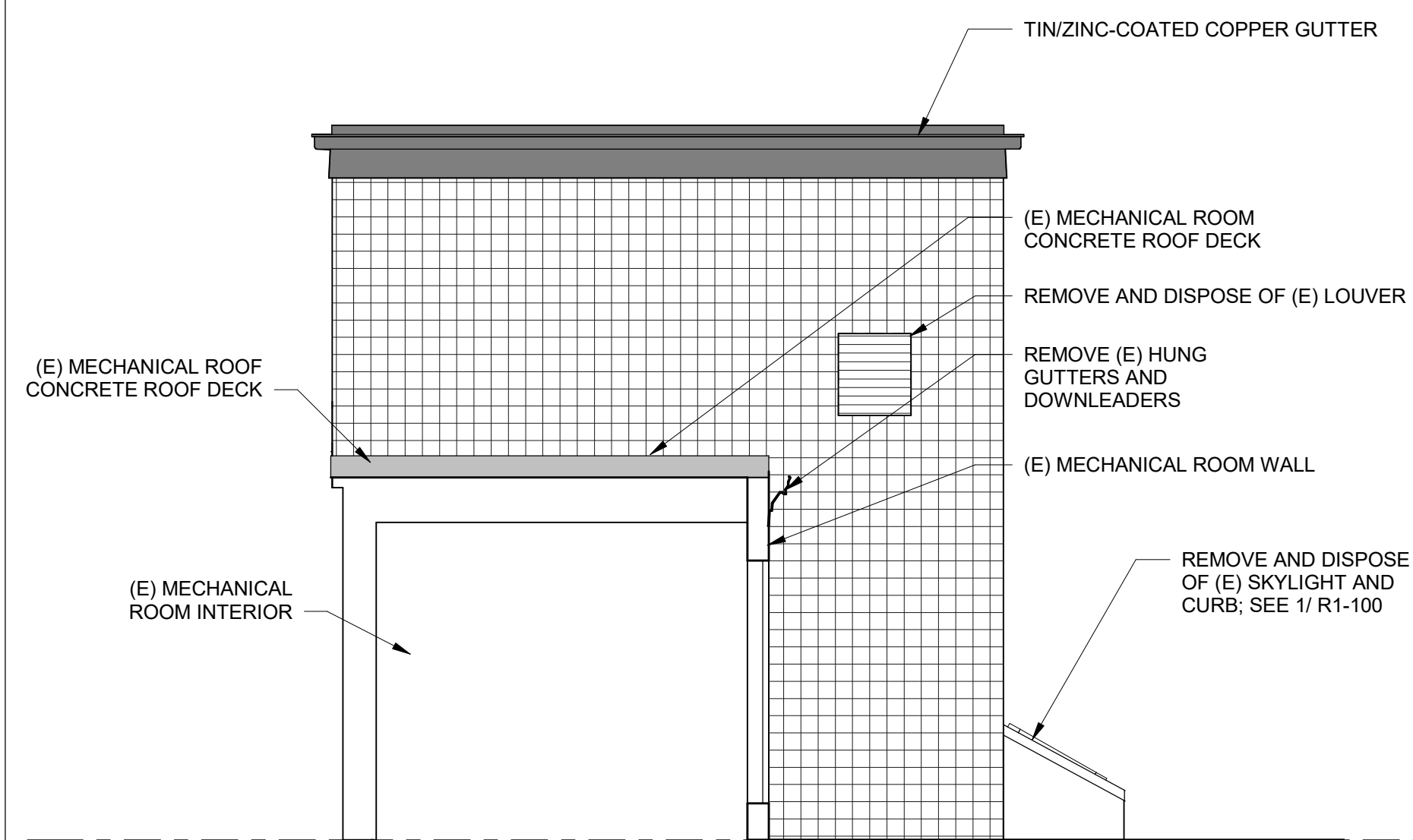
PHASE 1
MECHANICAL ROOM
REMOVAL ELEVATIONS

Drawing Title

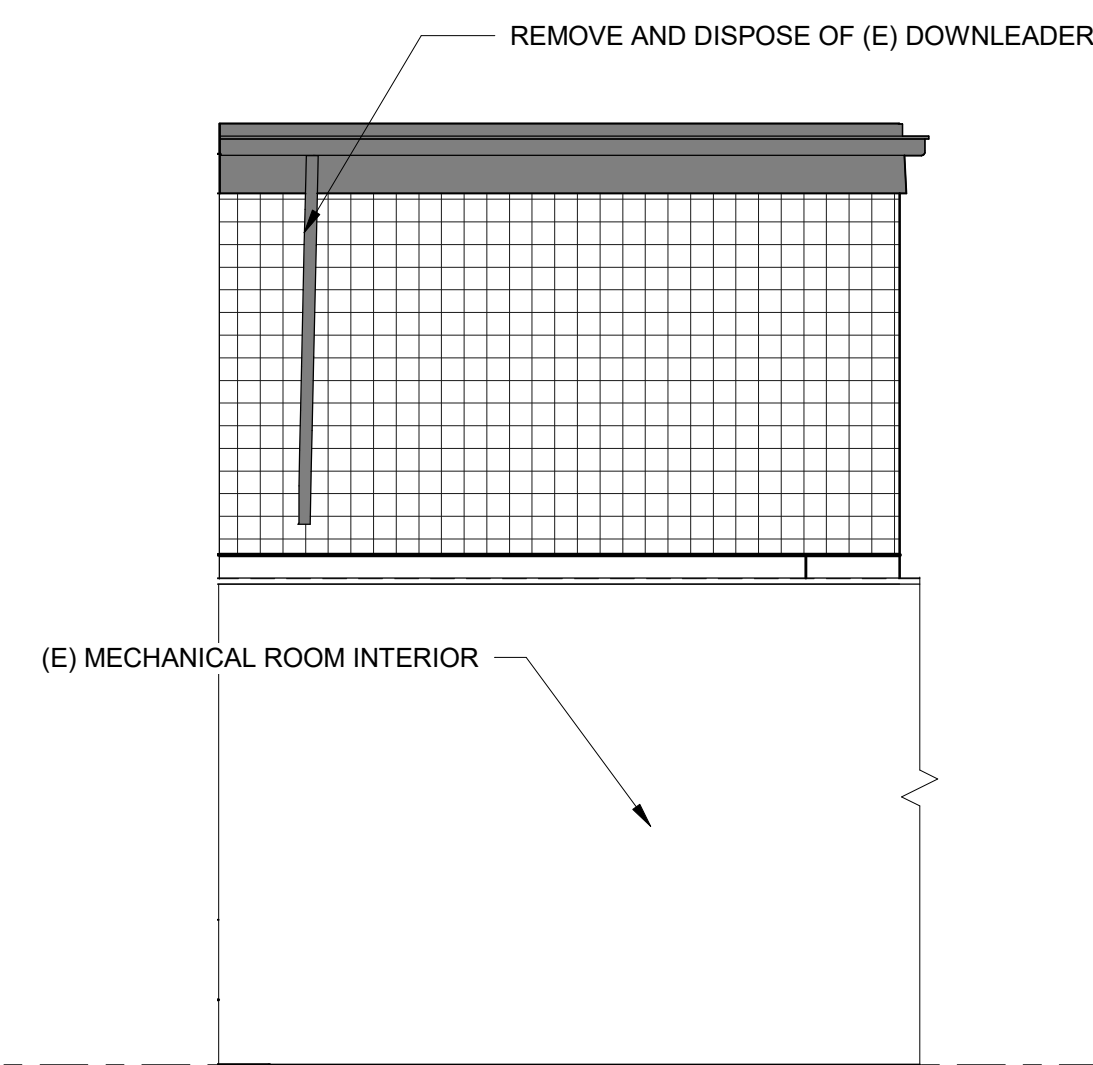
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Seal

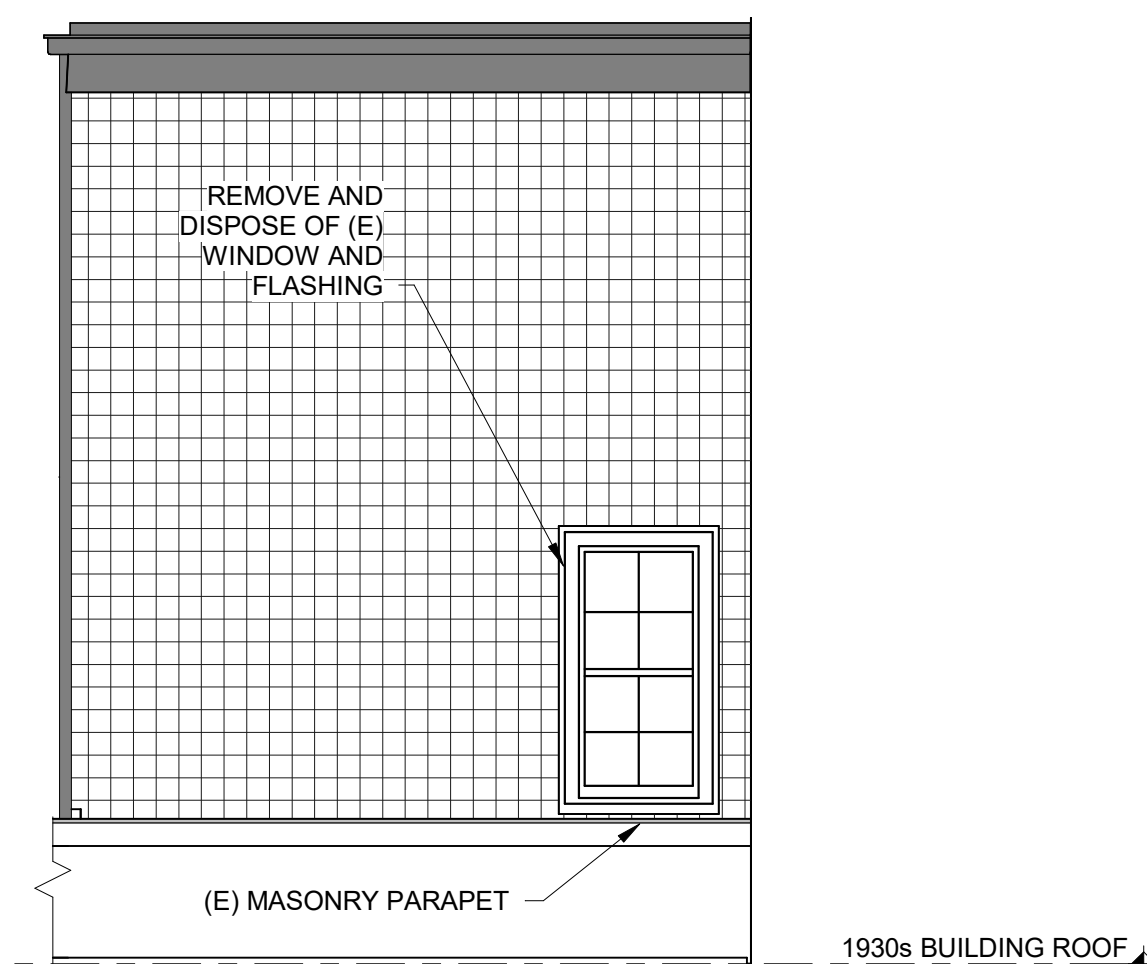
R1-200



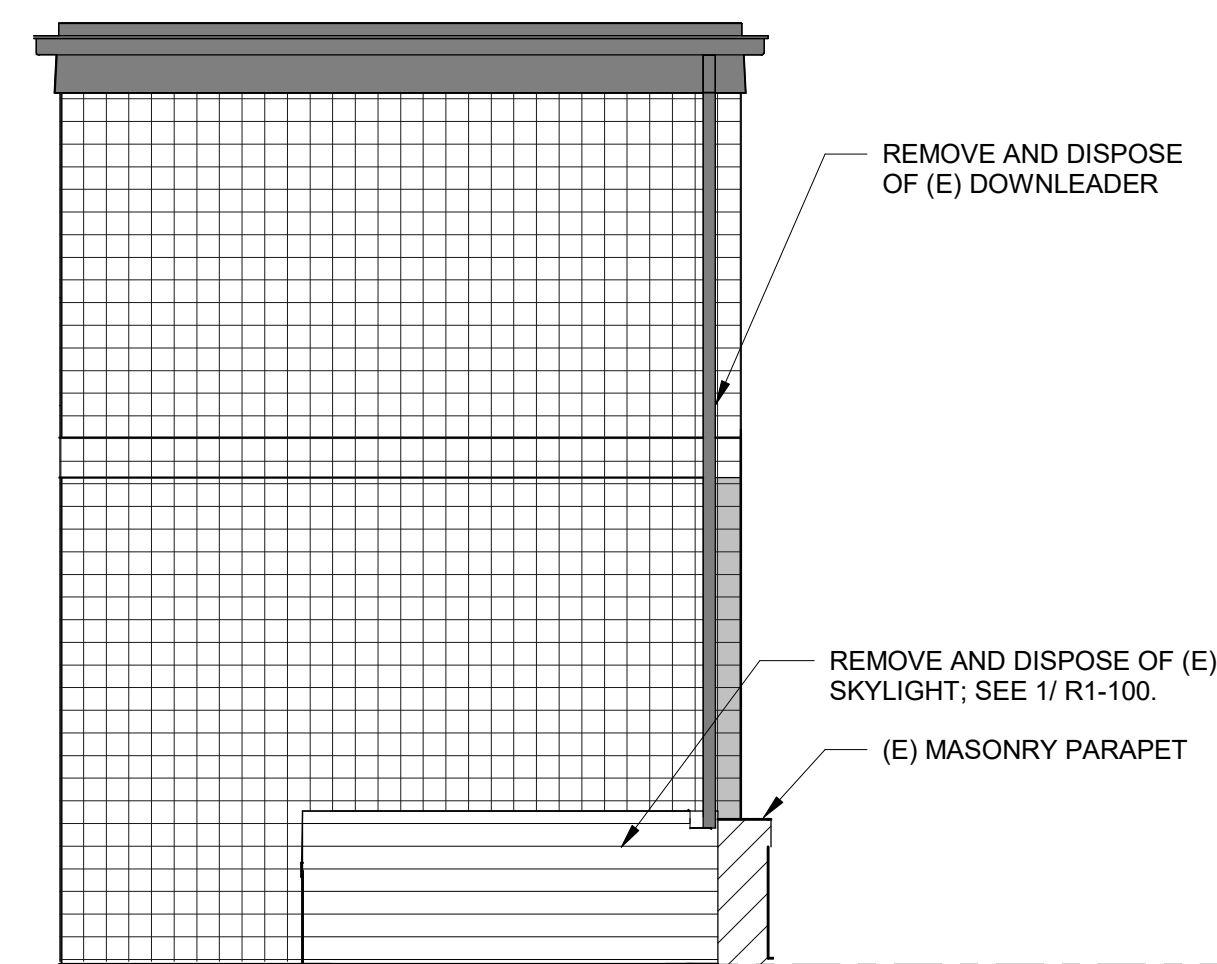
1 (E) PENTHOUSE HIGH ROOF - NORTH ELEVATION
1/4" = 1'-0"



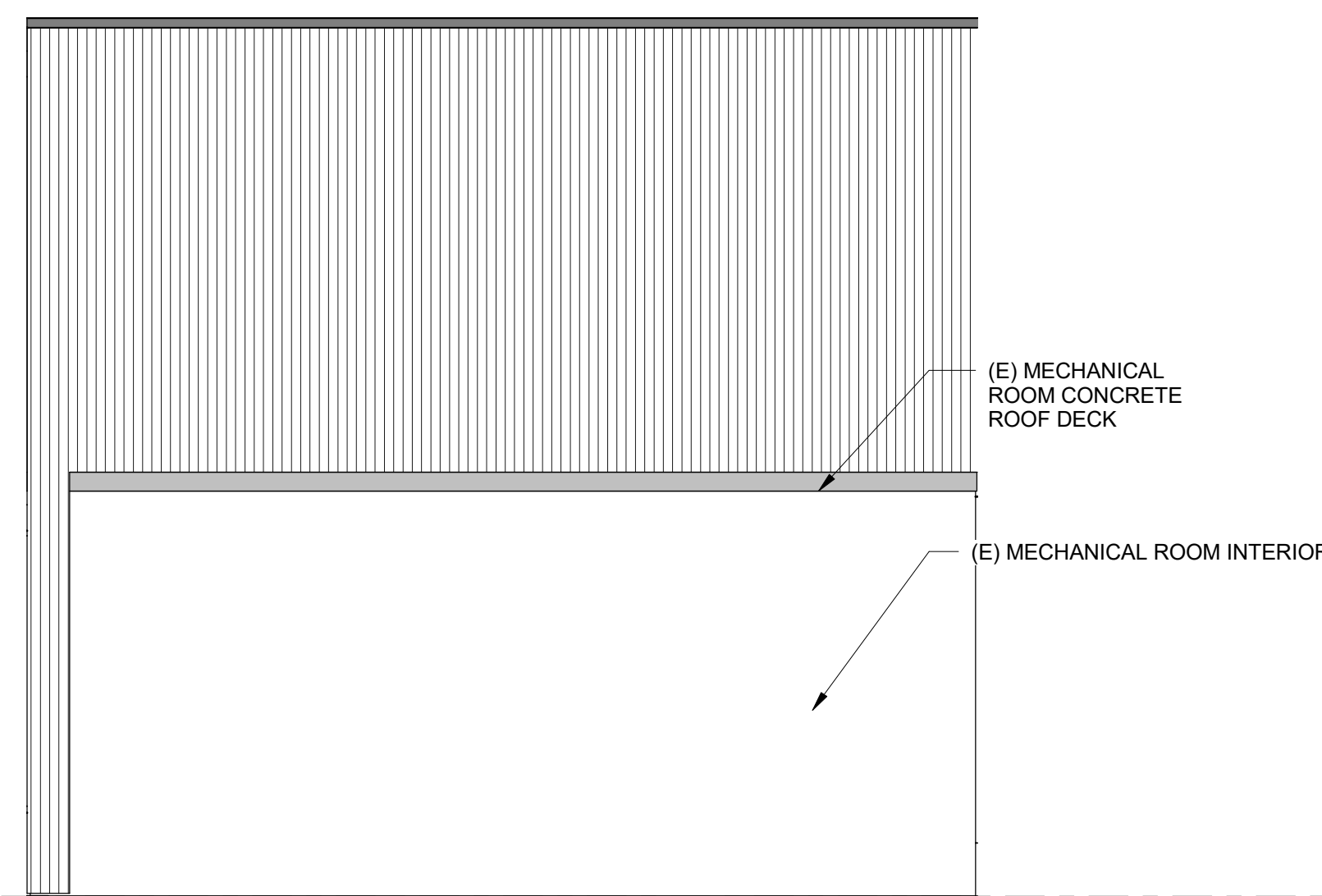
2 (E) PENTHOUSE HIGH ROOF - EAST ELEVATION
1/4" = 1'-0"



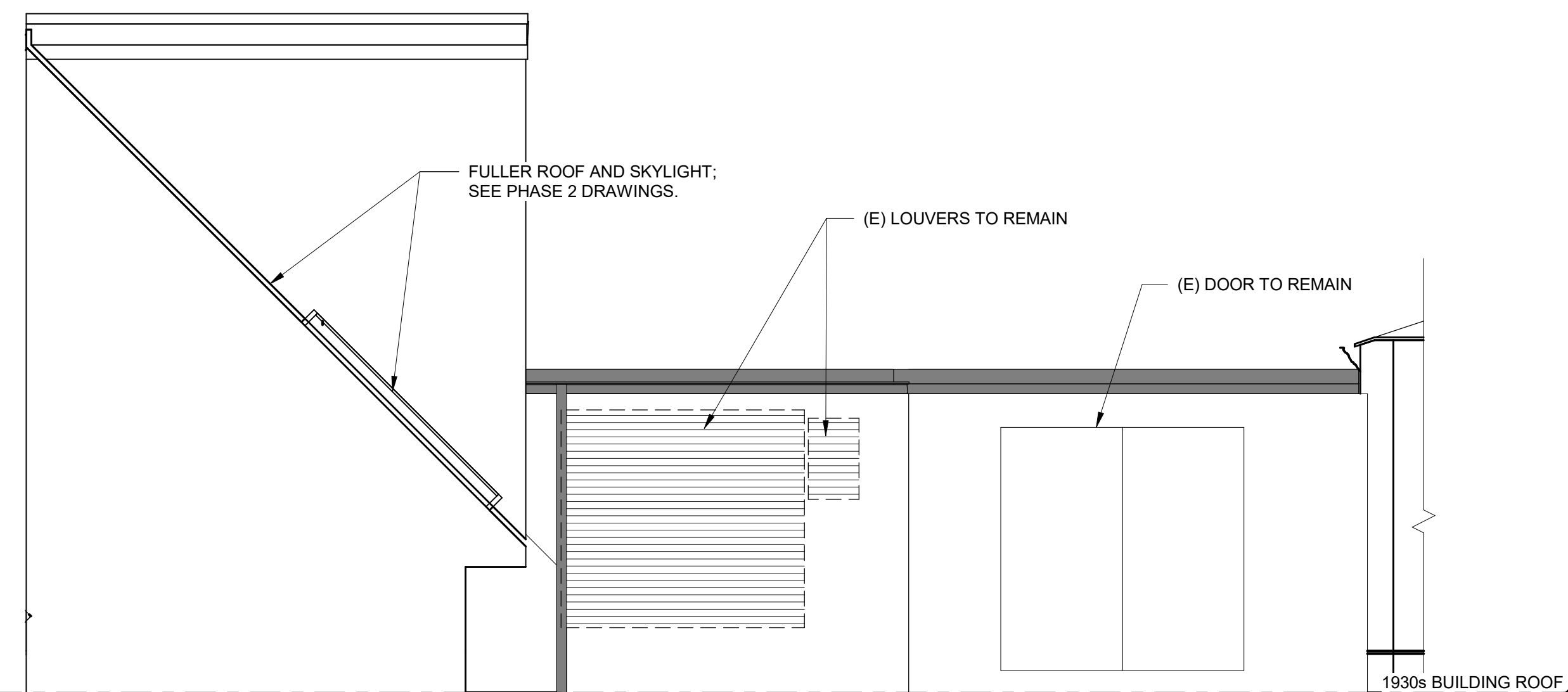
3 (E) PENTHOUSE HIGH ROOF & PENTHOUSE - SOUTH ELEVATION
1/4" = 1'-0"



4 (E) PENTHOUSE HIGH ROOF - WEST ELEVATION
1/4" = 1'-0"



5 FULLER HIGH ROOF - NORTH ELEVATION
1/4" = 1'-0"



6 FULLER HIGH ROOF - WEST ELEVATION
1/4" = 1'-0"

LEGEND

	REMOVE AND DISPOSE OF (E) EIFS OR (E) STUCCO WALL SYSTEM TO BACK-UP MASONRY
	REMOVE AND DISPOSE OF (E) STONE CLADDING SYSTEM TO BACK-UP MASONRY
	REMOVE AND DISPOSE OF (E) METAL FLASHING OR GUTTERS

- SCOPE OF WORK:**
- REMOVE AND DISPOSE OF (E) PENTHOUSE WALL CLADDING SYSTEMS TO EXPOSE BACK-UP MASONRY.
 - REMOVE AND DISPOSE OF EXISTING METAL FLASHING, GUTTERS, AND DOWNLEADERS.
 - REMOVE AND DISPOSE OF (E) LOUVERS, INCLUDING SEALANT AND PERIMETER FLASHING.

- NOTES:**
- PROTECT ALL SURROUNDING FINISHES AND STRUCTURE TO REMAIN.
 - DIMENSIONS, MEMBER SIZES, EXISTING FRAMING CONFIGURATIONS, RELATIVE ELEVATIONS, SCALE, ETC. ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD PRIOR TO BIDDING.
 - HAZARDOUS MATERIALS: HAZARDOUS MATERIALS FOUND IN PROJECT AREAS. COORDINATE WITH ABATEMENT DRAWINGS AND REQUIREMENTS OF OWNER'S HAZARDOUS MATERIALS CONSULTANT.

Phase 1, Complete per
Decision 22AUG2022

Phase 1, Complete per
Decision 22AUG2022

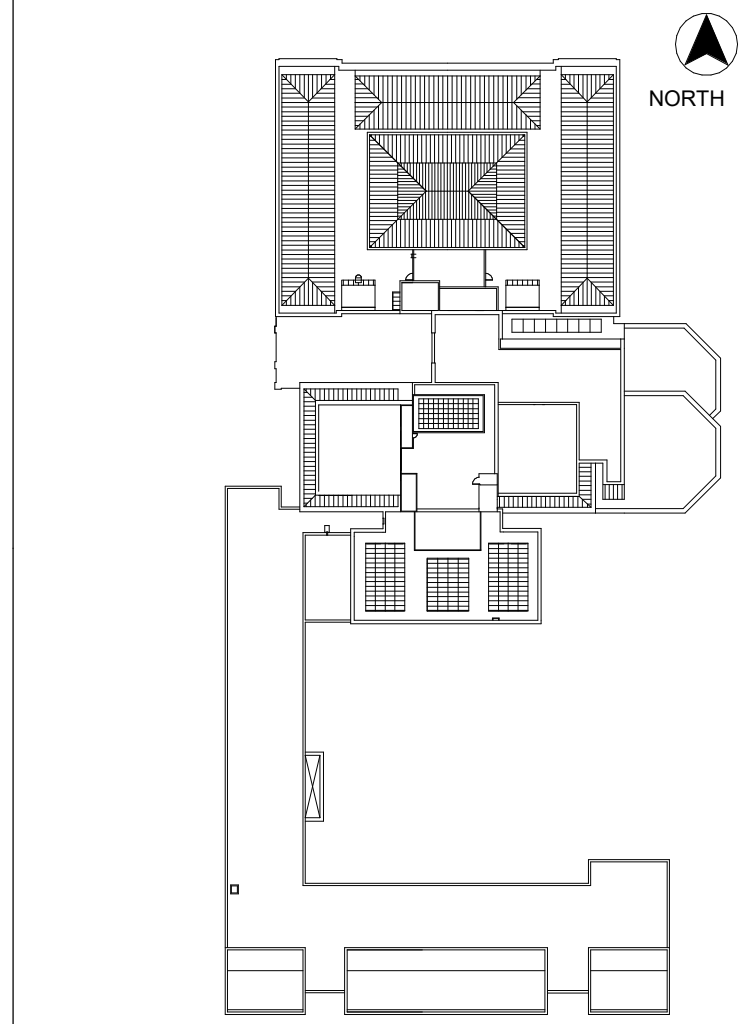


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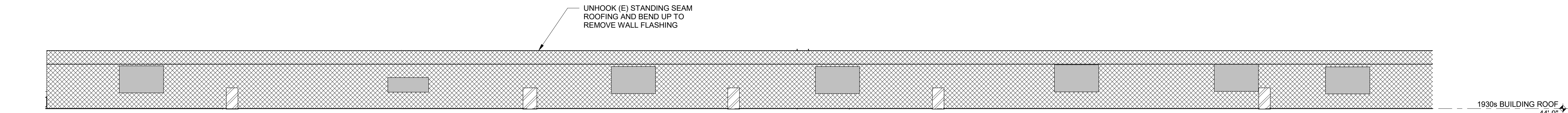
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- SCOPE OF WORK:**
1. REMOVE AND DISPOSE OF (E) METAL WALL CLADDING AND FLASHING AND UNDERLAYMENT TO EXPOSE MASONRY BACK-UP WALL. UNHOOK (E) STANDING SEAM ROOFING AND BEND UP AS REQUIRED TO REMOVE WALL FLASHING.
 2. REMOVE AND DISPOSE OF (E) WINDOWS AND LOUVERS AT COVERED SKYLIGHT RISING WALLS, INCLUDING SEALANT PERIMETER FLASHING.
 3. REMOVE AND DISPOSE OF (E) METAL FLASHING AND (E) BUILT-UP ROOFING AT BUTTRESSES TO EXPOSE CONCRETE ENCASED FRAMING.
- NOTES:**
1. PROVIDE TEMPORARY PROTECTION AS REQUIRED DURING REMOVALS TO MAINTAIN WEATHER-TIGHTNESS AND STRUCTURAL INTEGRITY.
 2. DIMENSIONS, RELATIVE ELEVATIONS, SCALE, ETC. ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD PRIOR TO BIDDING.
 3. HAZARDOUS MATERIALS: HAZARDOUS MATERIALS FOUND IN PROJECT AREA. COORDINATE WITH ABATEMENT DRAWINGS AND REQUIREMENTS.

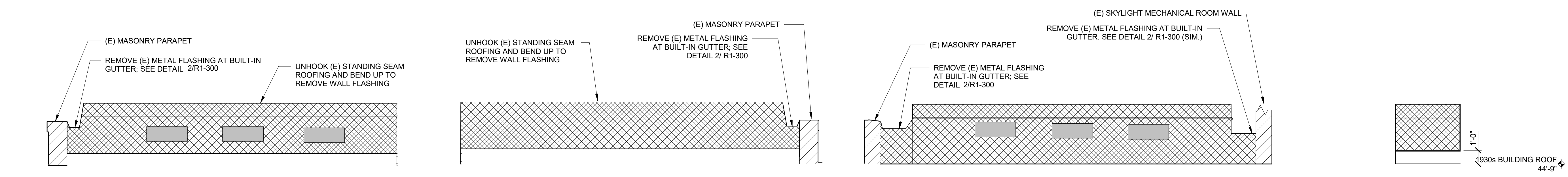
- LEGEND**
- REMOVE AND DISPOSE OF (E) METAL WALL CLADDING, FLASHING, AND UNDERLAYMENT
 - REMOVE AND DISPOSE OF (E) WINDOW OR LOUVER
 - REMOVE AND DISPOSE OF (E) METAL FLASHING AND BUILT-UP ROOFING TO EXPOSE (E) CONCRETE ENCASED BUTTRESS.



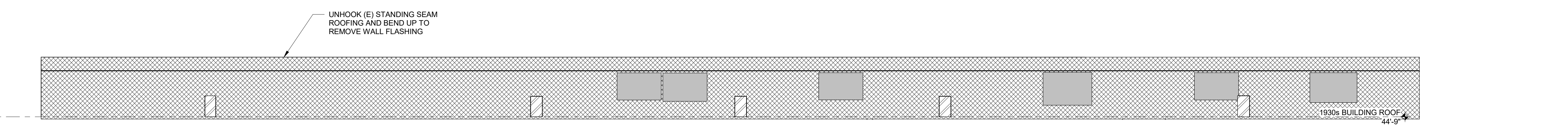
KEY PLAN



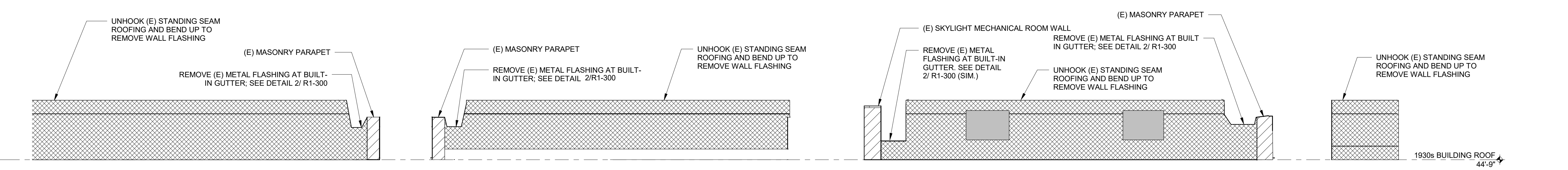
1 WEST COVERED SKYLIGHT - EAST ELEVATION
1/4" = 1'-0"



2 WEST COVERED SKYLIGHT - SOUTH ELEVATION 1/4" = 1'-0"
3 WEST COVERED SKYLIGHT - NORTH ELEVATION 1/4" = 1'-0"
4 NORTH COVERED SKYLIGHT - WEST ELEVATION 1/4" = 1'-0"
5 NORTH COVERED SKYLIGHT - SOUTHWEST RETURN ELEVATION 1/4" = 1'-0"



6 EAST COVERED SKYLIGHT - WEST ELEVATION
1/4" = 1'-0"



7 EAST COVERED SKYLIGHT - SOUTH ELEVATION 1/4" = 1'-0"
8 EAST COVERED SKYLIGHT - NORTH ELEVATION 1/4" = 1'-0"
9 NORTH COVERED SKYLIGHT - EAST ELEVATION 1/4" = 1'-0"
10 NORTH COVERED SKYLIGHT - SOUTHEAST RETURN ELEVATION 1/4" = 1'-0"

No.	Date	Description	By
5	7/22/22	PHASE 1 AND 2 - PERMIT SET	
4	03/31/22	PHASE 3 - 90% CDs	
3	02/11/22	PHASE 1 AND 2 BID SET	
2	12/16/21	50% CONSTRUCTION DOCUMENTS	
1	10/28/21	100% DESIGN DEVELOPMENT	

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PHASE 1
COVERED SKYLIGHT REMOVAL ELEVATION


Drawing Title

Project No. 210608.00	Checked CCW	Date 7/22/2022
Drawn KEM/BBS/MAW	Approved JSD	Scale As indicated

Drawing No.
R1-201

7/22/2022 10:35:25 AM BIM 360/Revit & Fuller Lab Envelope Improvements210608.00_WAM-ROOF_R21_CENTRAL.rvt

Phase 1, Complete per
Decision 22AUG2022

LEGEND
 REMOVE AND DISPOSE OF (E) METAL WALL CLADDING, FLASHING, AND UNDERLAYMENT

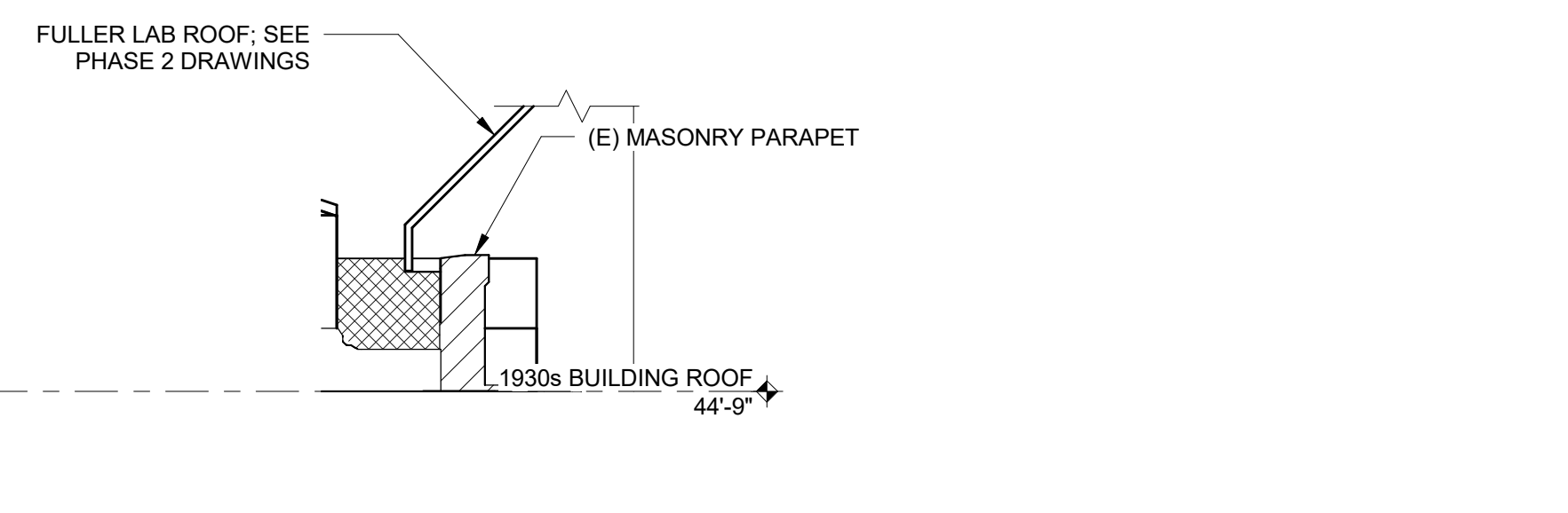
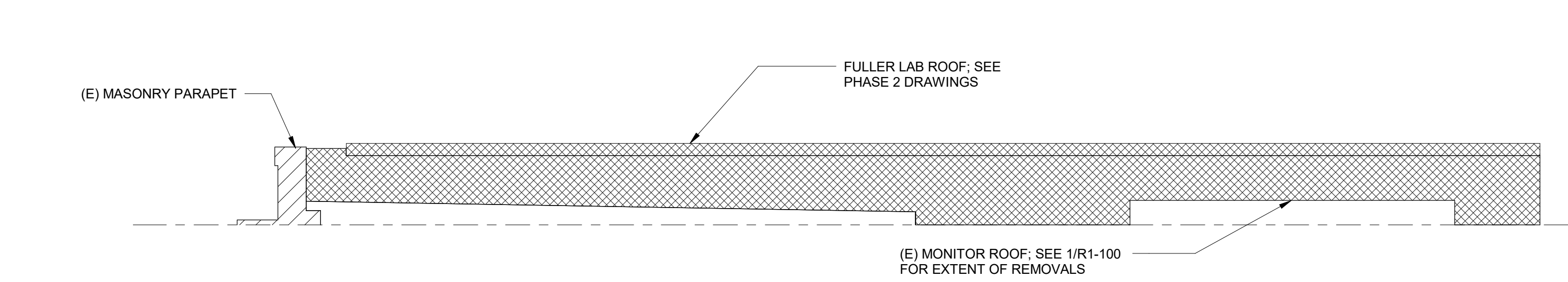
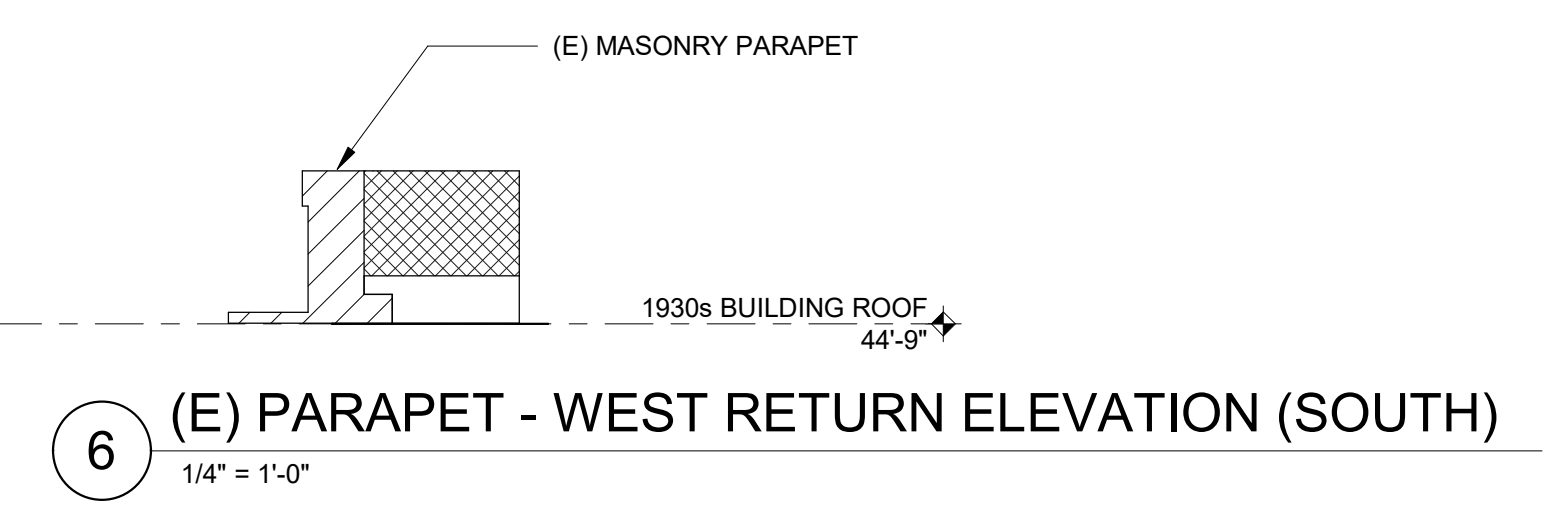
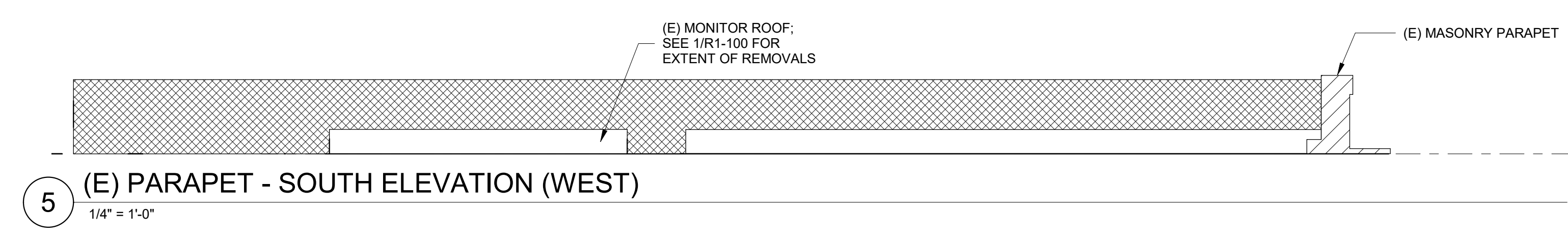
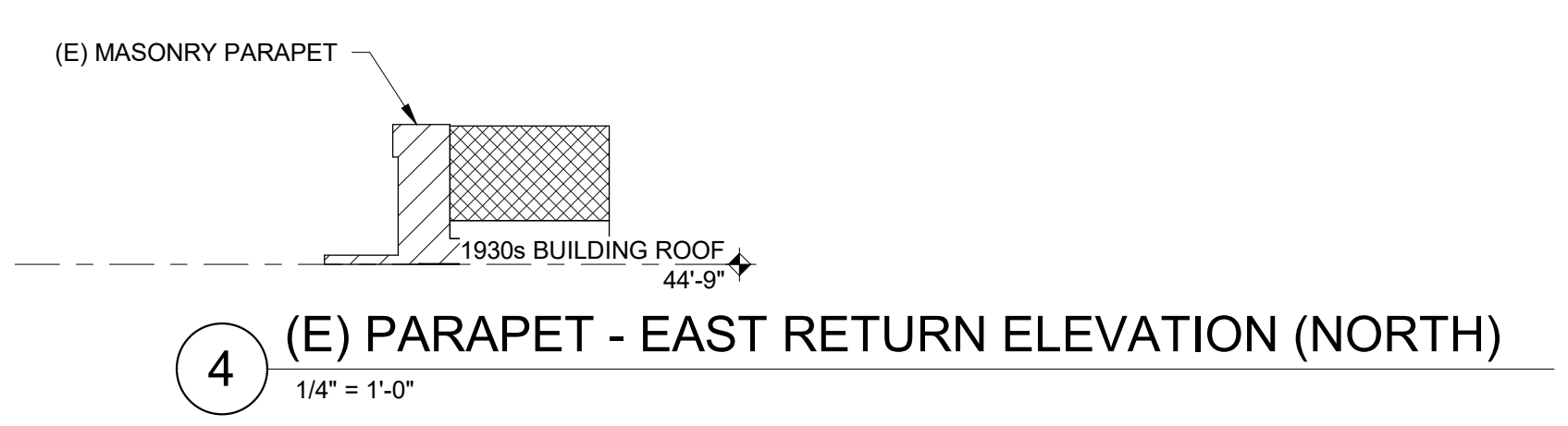
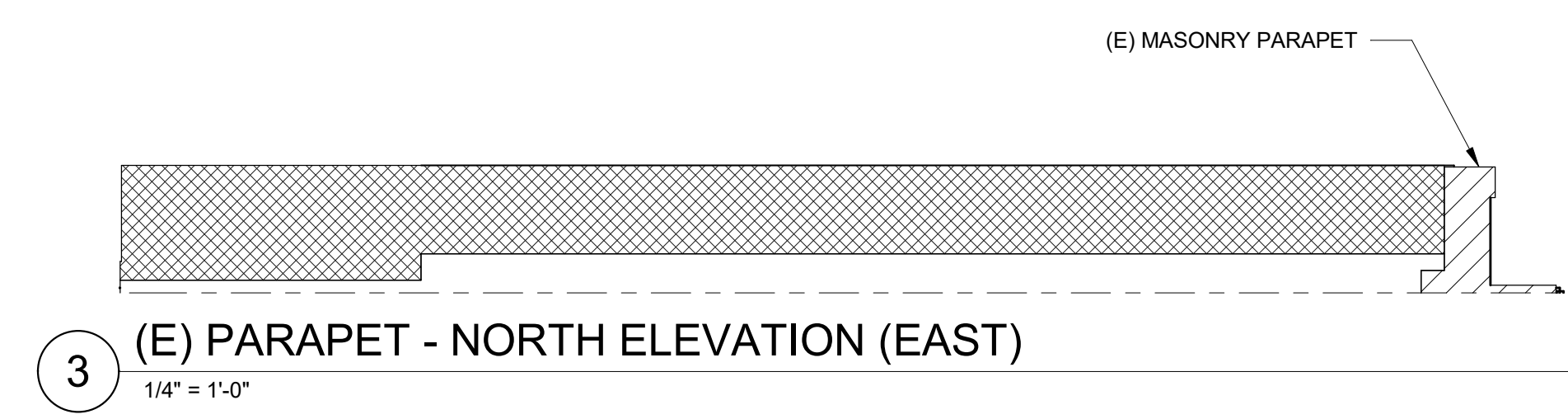
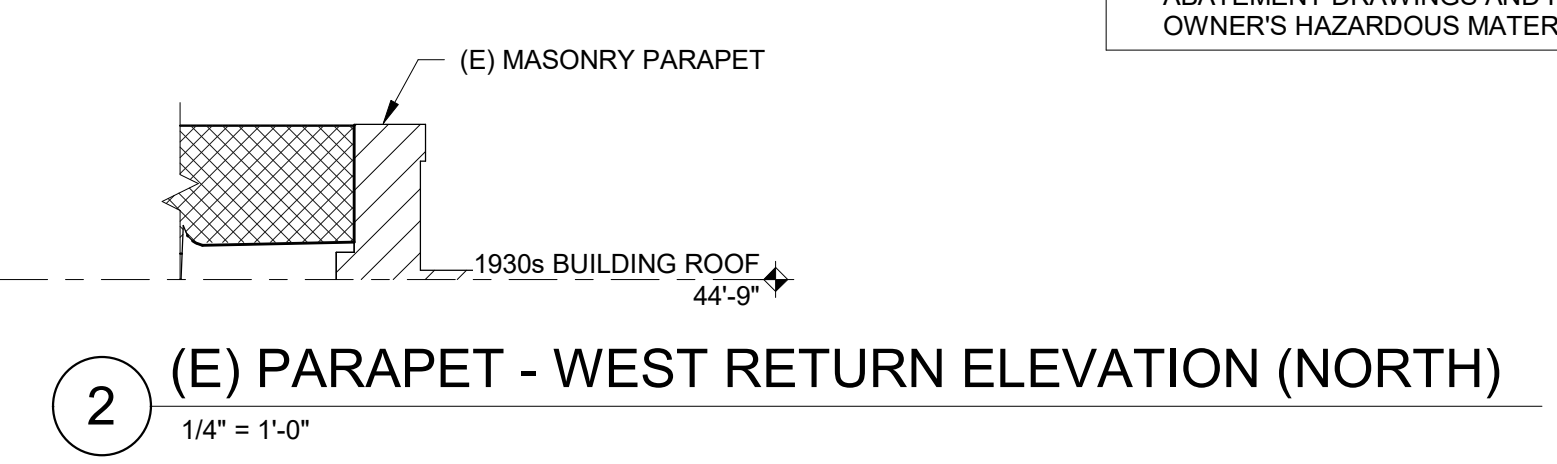
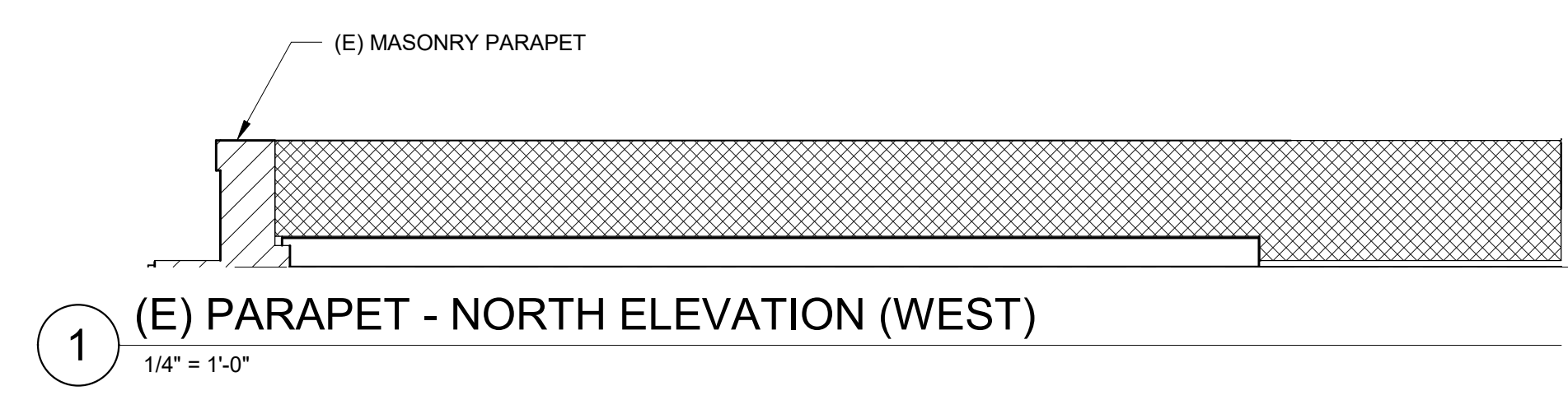
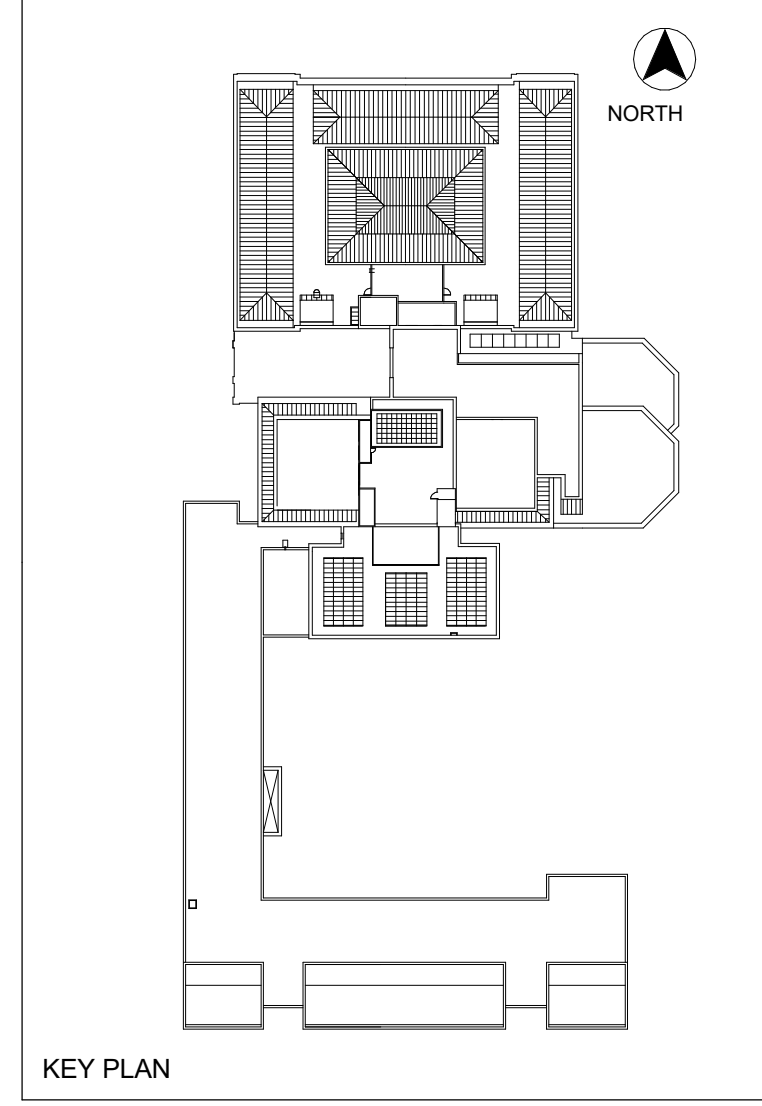
SCOPE OF WORK:
 1. REMOVE AND DISPOSE OF (E) PARAPET WALL CLADDING AND FLASHING AND UNDERLAYMENT TO EXPOSE BACK-UP MASONRY.

NOTES:
 1. PROTECT ALL SURROUNDING FINISHES AND STRUCTURE TO REMAIN.
 2. DIMENSIONS, MEMBER SIZES, EXISTING FRAMING CONFIGURATIONS, RELATIVE ELEVATIONS, SCALE, ETC. ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD PRIOR TO BIDDING.
 3. HAZARDOUS MATERIALS: HAZARDOUS MATERIALS FOUND IN PROJECT AREAS. COORDINATE WITH ABATEMENT DRAWINGS AND REQUIREMENTS OF OWNER'S HAZARDOUS MATERIALS CONSULTANT.



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No.	Date	Description	By
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4	03/31/22	PHASE 3 - 90% CDs	
3	02/11/22	PHASE 1 AND 2 BID SET	
2	12/16/21	50% CONSTRUCTION DOCUMENTS	
1	10/28/21	100% DESIGN DEVELOPMENT	

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Project

PHASE 1
PARAPET REMOVAL ELEVATIONS

Drawing Title

Project No. 210608.00	Checked CCW	Date 7/22/2022
Drawn KEM/BBS/MAW	Approved JSD	Scale As indicated

Seal

Drawing No.
R1-202

WHC, Note of Omission
 Removal of the multistory curtain wall assembly is omitted from this application.
 Per April 03, 2024 decision, the window will be replaced in-kind via the 1898/ 1983 Facade Improvement project.

LEGEND

■ REMOVE AND DISPOSE OF (E) FENESTRATION ASSEMBLY

SCOPE OF WORK:

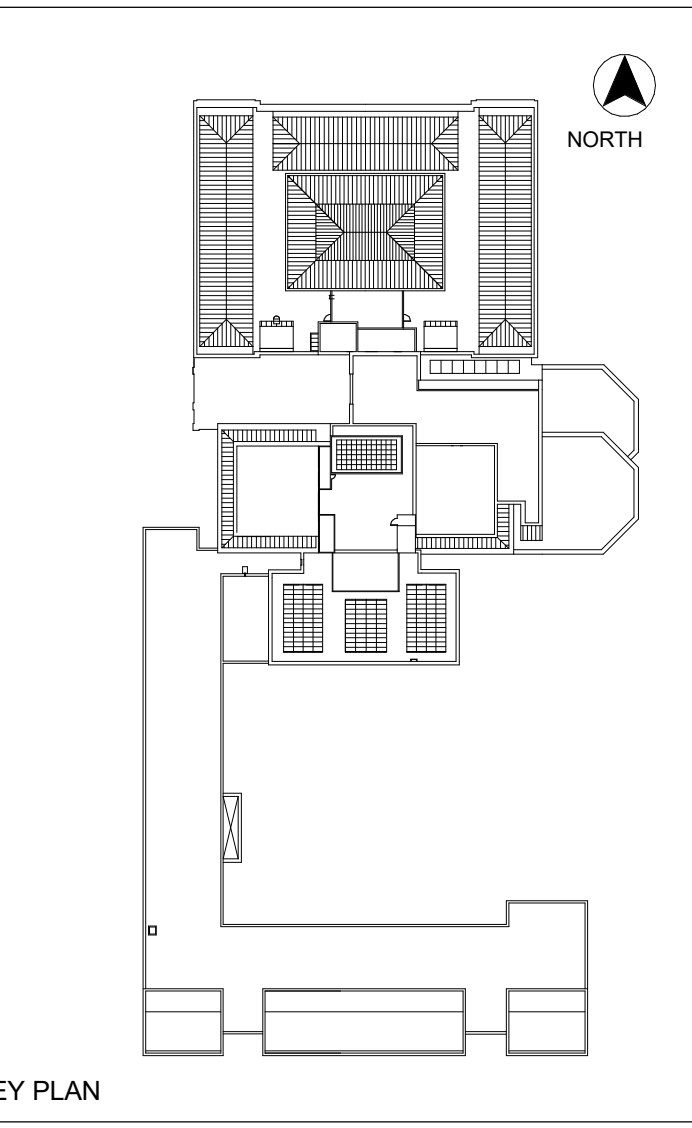
- REMOVE AND DISPOSE OF (E) CURTAIN WALL AT FULLER, INCLUDING SEALANT, PERIMETER FLASHING, SPANDREL INSULATION, BACK PAN ASSEMBLY, FIRESAFING AT FLOOR LINES, ETC.

NOTES:

- PROVIDE TEMPORARY PROTECTION AS REQUIRED DURING REMOVALS TO MAINTAIN WEATHER-TIGHTNESS AND STRUCTURAL INTEGRITY.
- DIMENSIONS, RELATIVE ELEVATIONS, SCALE, ETC. ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD PRIOR TO BIDDING.
- HAZARDOUS MATERIALS: HAZARDOUS MATERIALS FOUND IN PROJECT AREA. COORDINATE WITH ABATEMENT DRAWINGS AND REQUIREMENTS OF OWNER'S HAZARDOUS MATERIALS CONSULTANT.



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KEY PLAN

No.	Date	Description	By
5	7/22/22	PHASE 1 AND 2 - PERMIT SET	
4	03/31/22	PHASE 3 - 90% CDs	
3	02/11/22	PHASE 1 AND 2 BID SET	
2	12/16/21	50% CONSTRUCTION DOCUMENTS	
1	10/28/21	100% DESIGN DEVELOPMENT	

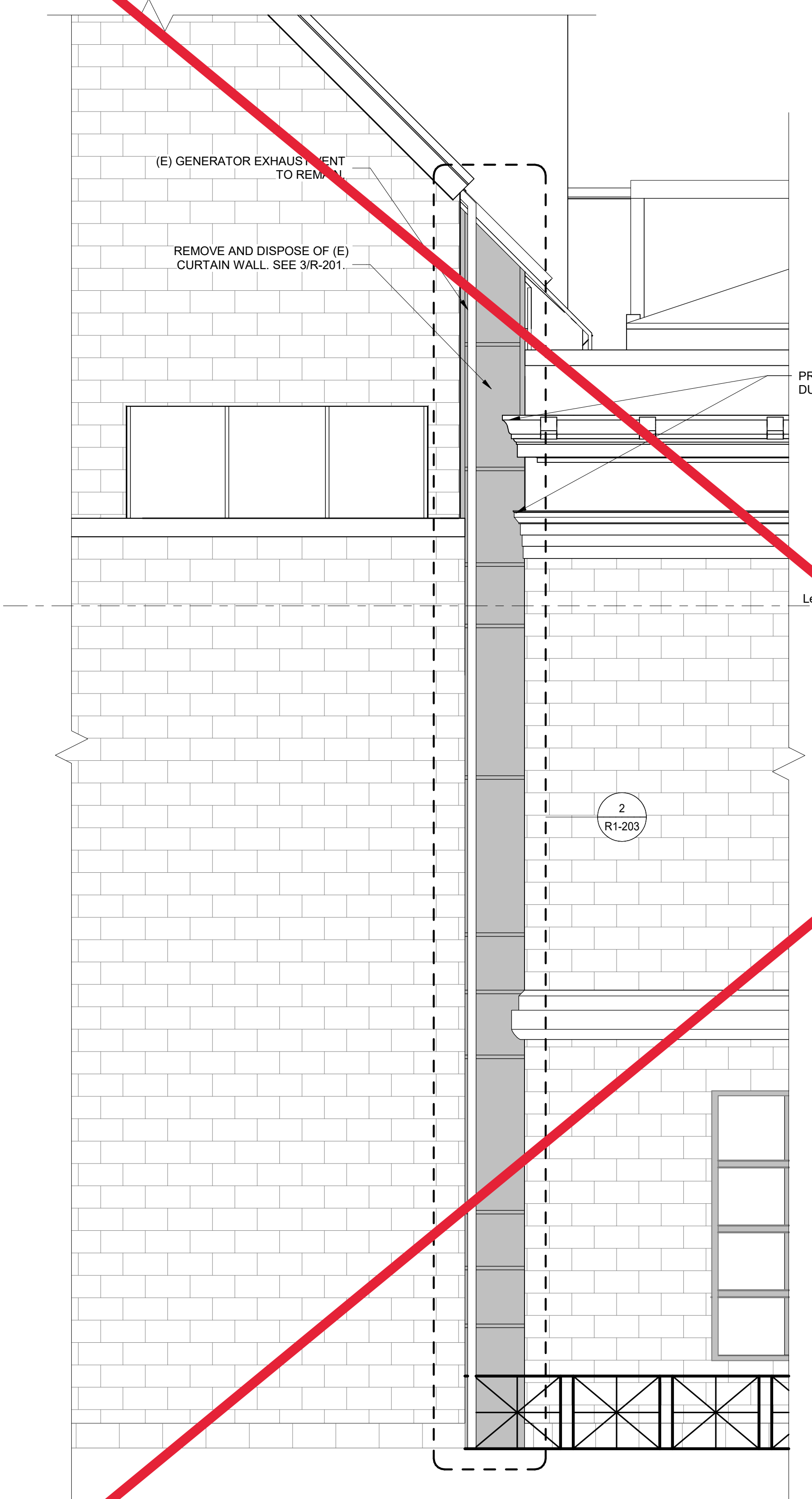
1930s Building Roof & Fuller Lab Envelope Improvements
WORCESTER ART MUSEUM
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Project

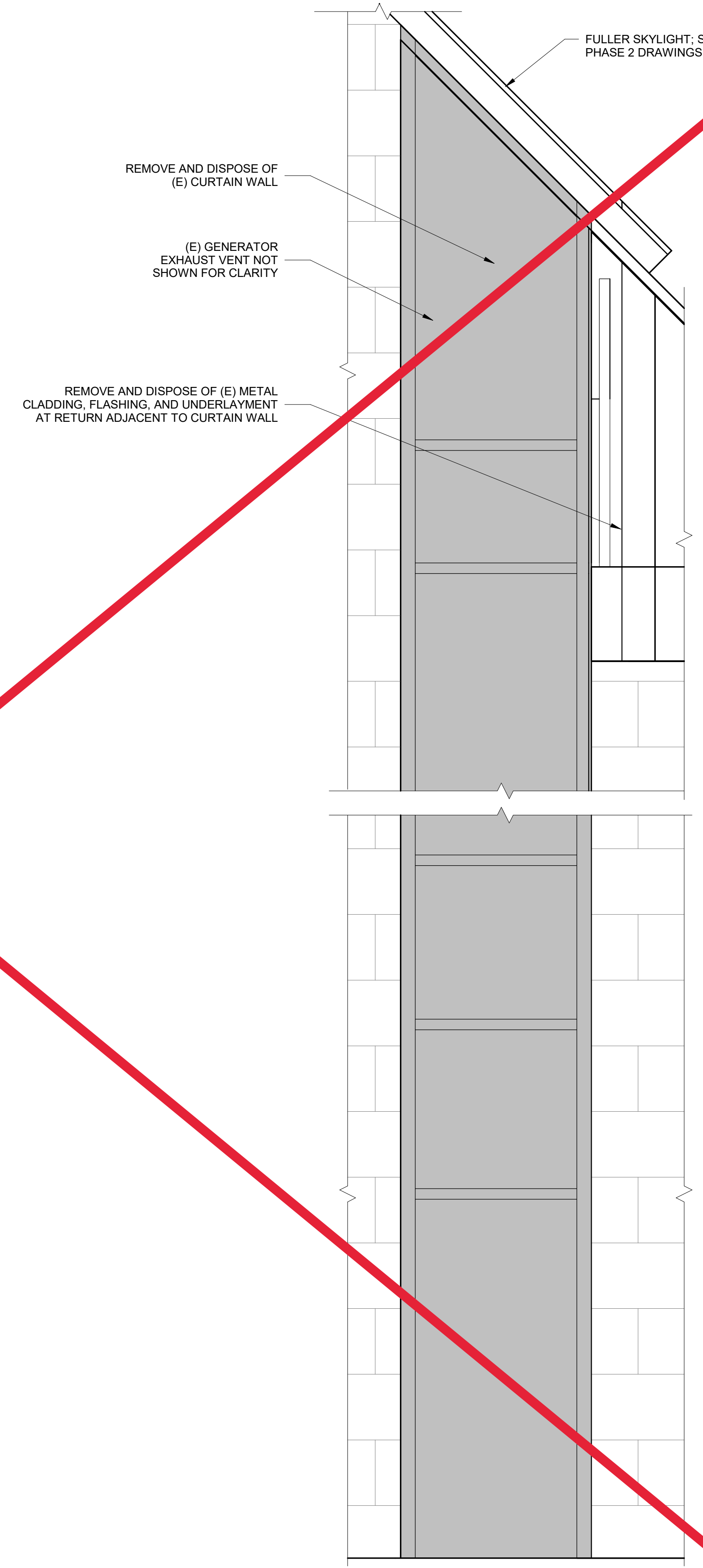
PHASE 1
FULLER LAB REMOVAL ELEVATIONS

Drawing Title

Project No. 210608.00	Checked CCW	Date 7/22/2022
Drawn KEM/BBS/MAW	Approved JSD	Scale As indicated
Seal		Drawing No. R1-203



1 FULLER LAB EAST ELEVATION REMOVAL
 1/4" = 1'-0"

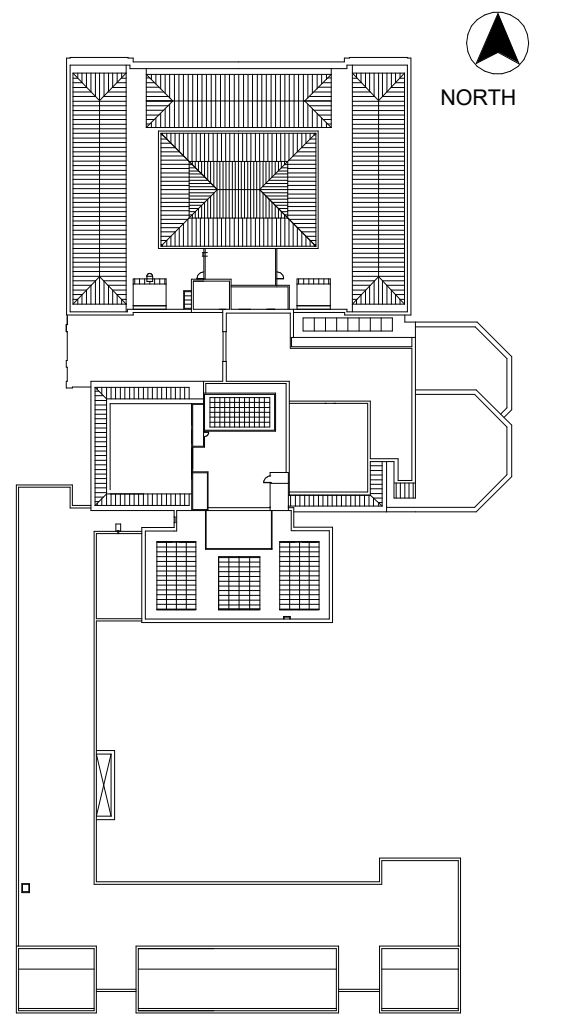


2 MULTISTORY CURTAIN WALL ELEVATION REMOVAL
 3/4" = 1'-0"



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KEY PLAN

No.	Date	Description	By
5	7/22/22	PHASE 1 AND 2 - PERMIT SET	
4	03/31/22	PHASE 3 - 90% CDs	
3	02/11/22	PHASE 1 AND 2 BID SET	
2	12/16/21	50% CONSTRUCTION DOCUMENTS	
1	10/28/21	100% DESIGN DEVELOPMENT	

1930s Building Roof & Fuller Lab Envelope Improvements
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Project

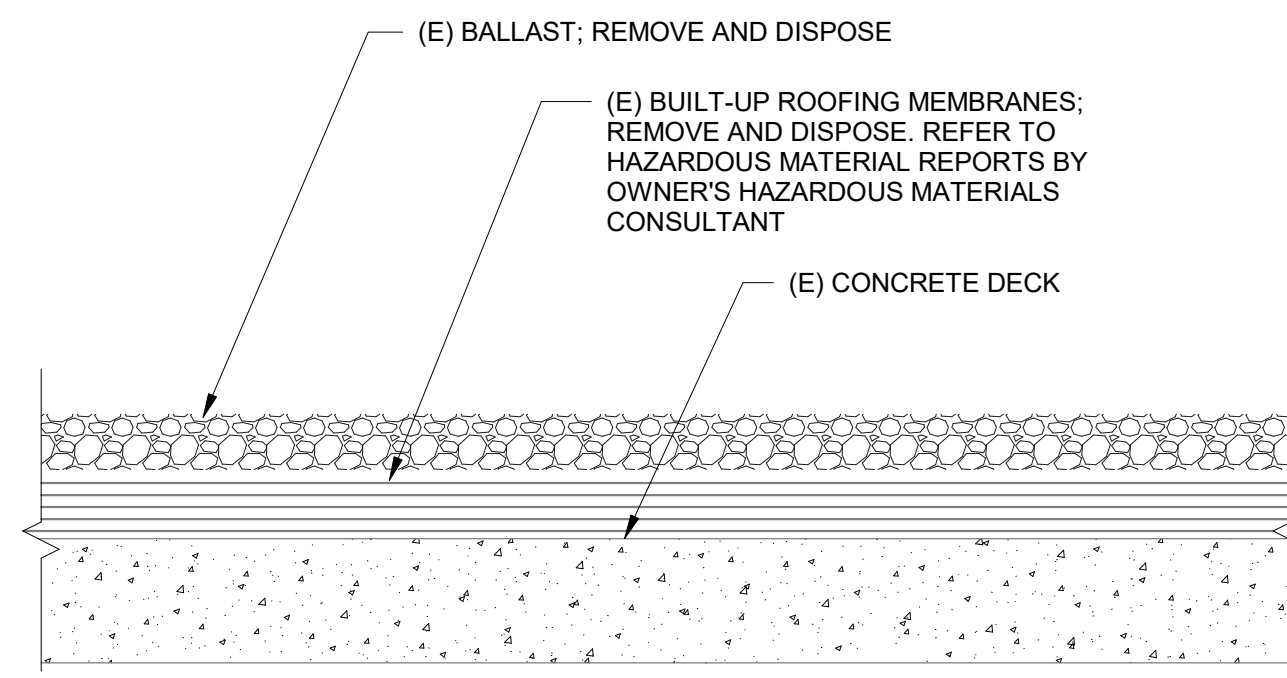
PHASE 1
REMOVAL DETAILS

Drawing Title

Project No. 210608.00	Checked CCW	Date 7/22/2022
Drawn KEM/BBS/MAW	Approved JSD	Scale As indicated

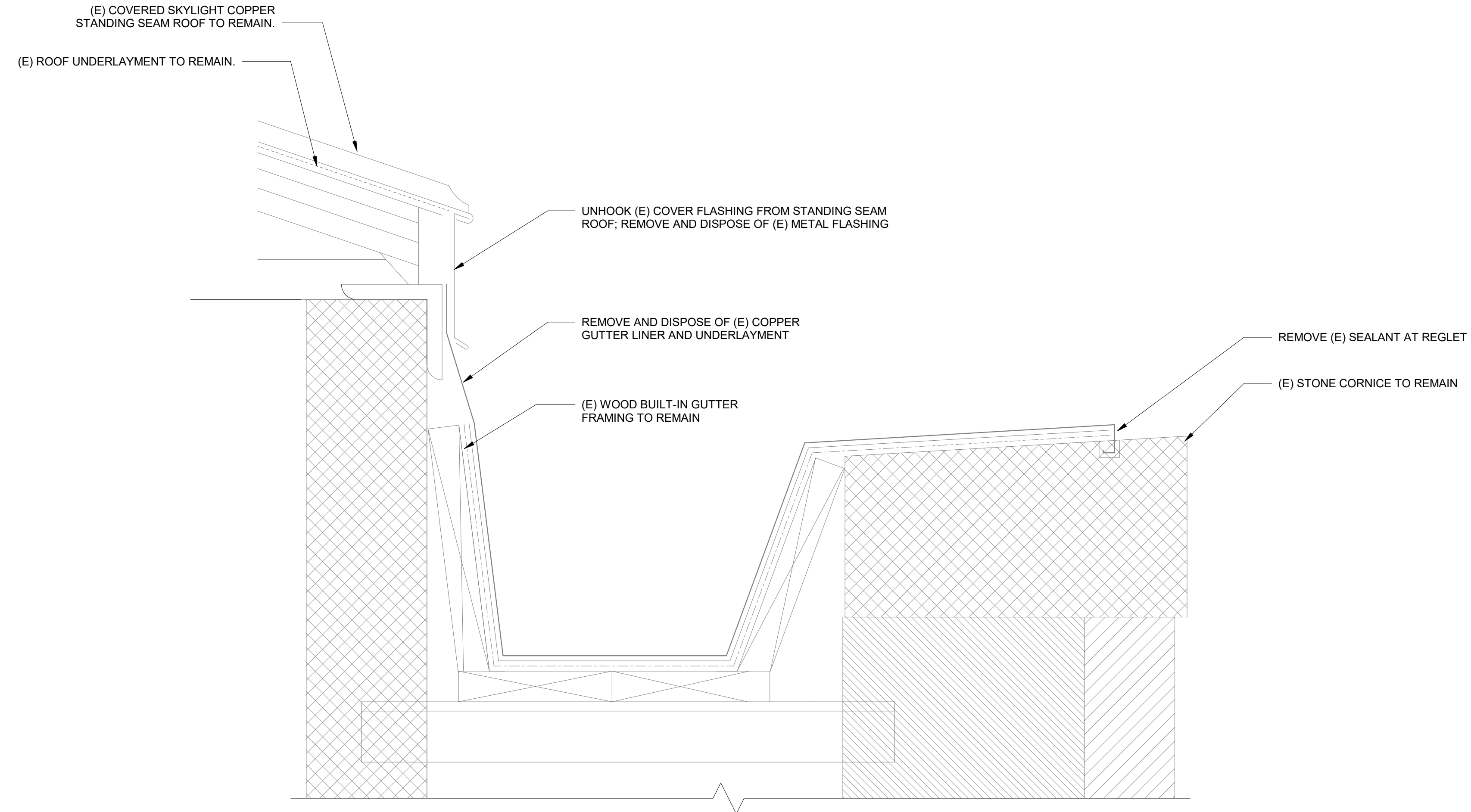
Seal

Drawing No.
R1-300



1 (E) BUILT-UP ROOFING SYSTEM
 NTS

(E) BALLAST; REMOVE AND DISPOSE
 (E) BUILT-UP ROOFING MEMBRANES;
 REMOVE AND DISPOSE. REFER TO
 HAZARDOUS MATERIAL REPORTS BY
 OWNER'S HAZARDOUS MATERIALS
 CONSULTANT
 (E) CONCRETE DECK

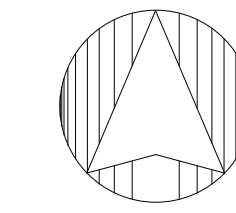


2 (E) BUILT IN GUTTER AT ROOF EDGE
 NTS

(E) COVERED SKYLIGHT COPPER
 STANDING SEAM ROOF TO REMAIN.
 (E) ROOF UNDERLAYMENT TO REMAIN.
 UNHOOK (E) COVER FLASHING FROM STANDING SEAM
 ROOF; REMOVE AND DISPOSE OF (E) METAL FLASHING
 REMOVE AND DISPOSE OF (E) COPPER
 GUTTER LINER AND UNDERLAYMENT
 (E) WOOD BUILT-IN GUTTER
 FRAMING TO REMAIN
 REMOVE (E) SEALANT AT REGLET
 (E) STONE CORNICE TO REMAIN

NOTES:
 1. ALLOW ENGINEER TO REVIEW CONDITION OF (E) WOOD FRAMING DURING GUTTER REMOVAL.

Phase 1, Complete per
 Decision 22AUG2022

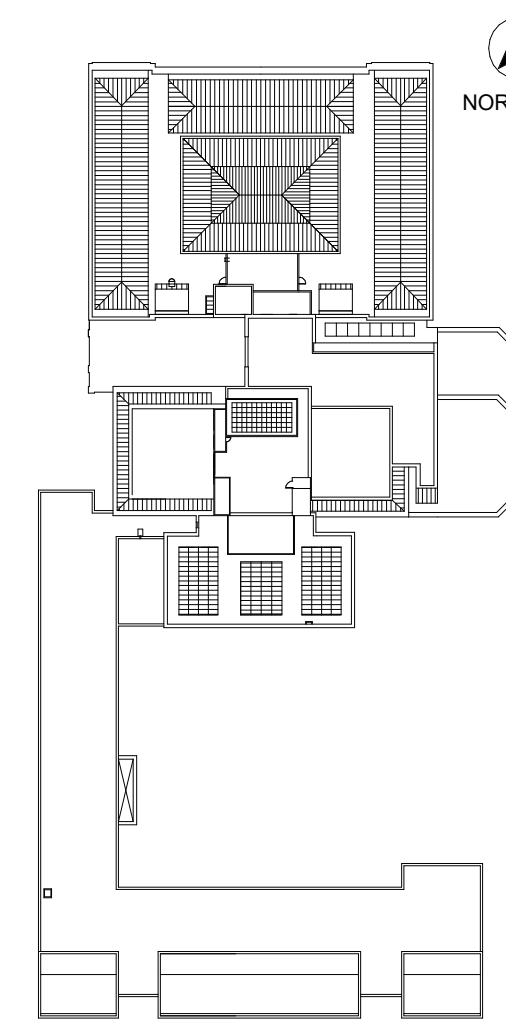


PROJECT NORTH

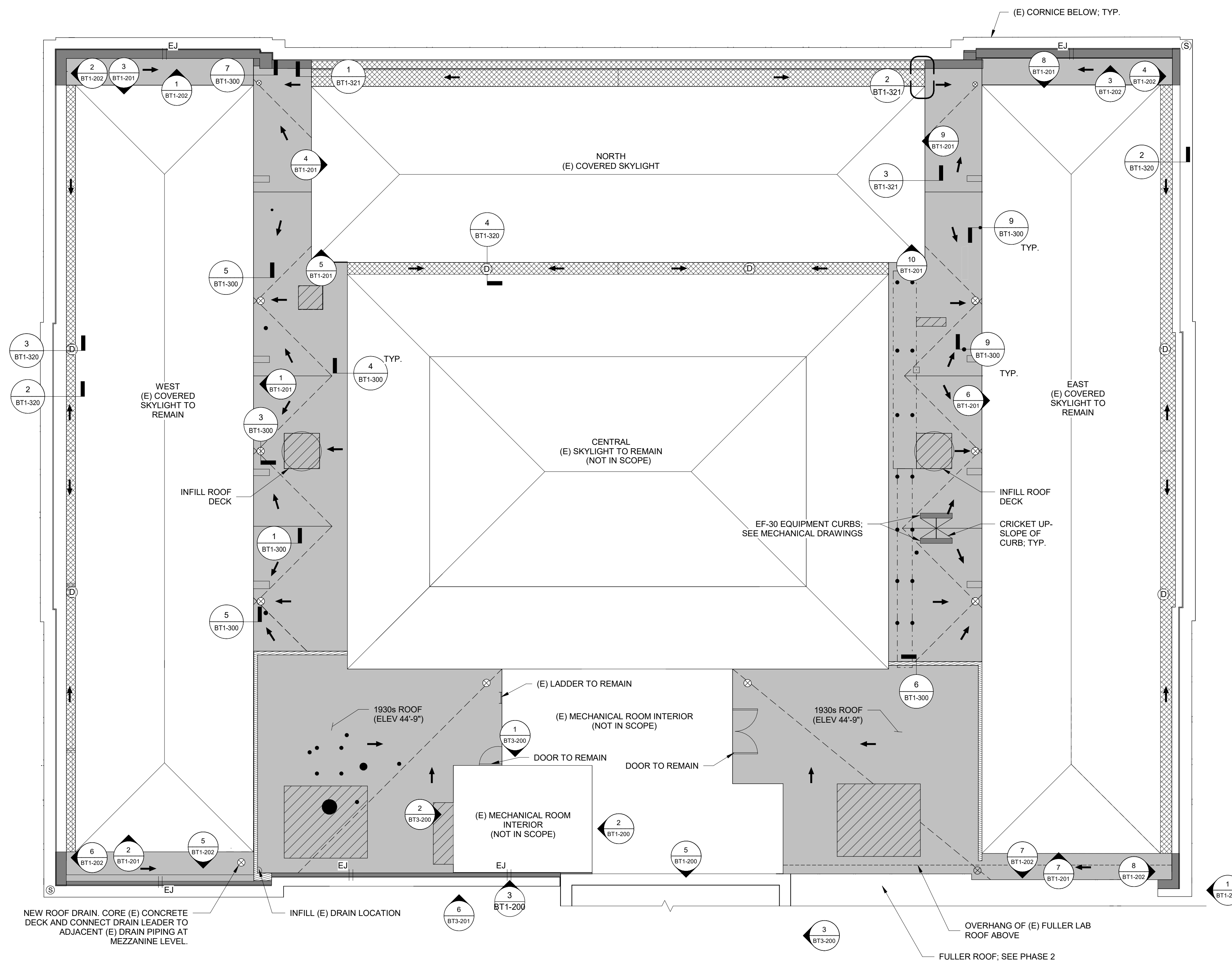


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KEY PLAN



LEGEND

- TWO-PLY MODIFIED BITUMEN ROOF SYSTEM; SEE 1/BT1-300
- REINFORCED FLUID-APPLIED WATERPROOFING AT BUILT-IN GUTTER AND COPING
- TIN/ZINC-COATED COPPER CORNICE FLASHING
- CONCRETE CURB WITH COPPER FLASHING
- SECONDARY ROOF DRAIN; CORE (E) CONCRETE DECK AND CONNECT TO DRAIN LEADER. SEE PLUMBING DRAWINGS.
- BUILT-IN GUTTER DRAIN; SEE 3/BT1-320
- ROOF DRAIN; REPLACE DRAIN BODY AND STRAINER AND CONNECT TO (E) DRAIN LEADER. SEE 3/BT1-300, SIM.
- SLOPE TO DRAIN; MIN. 1/4" PER FT.
- PIPE PENETRATION; SEE 9/BT1-300
- REINSTALL (E) SECURITY CAMERA, CONDUIT, AND WIRING. PROVIDE REPLACEMENT GALVANIZED STEEL ATTACHMENT STRUT.
- PROVIDE INFILL ROOF DECKING; SEE STRUCTURAL DRAWINGS
- EXPANSION JOINT; SEE DETAIL 6/G-300
- OUTLINE OF REPLACEMENT MECHANICAL DUCTWORK AND EQUIPMENT; COORDINATE WITH MECHANICAL DRAWINGS

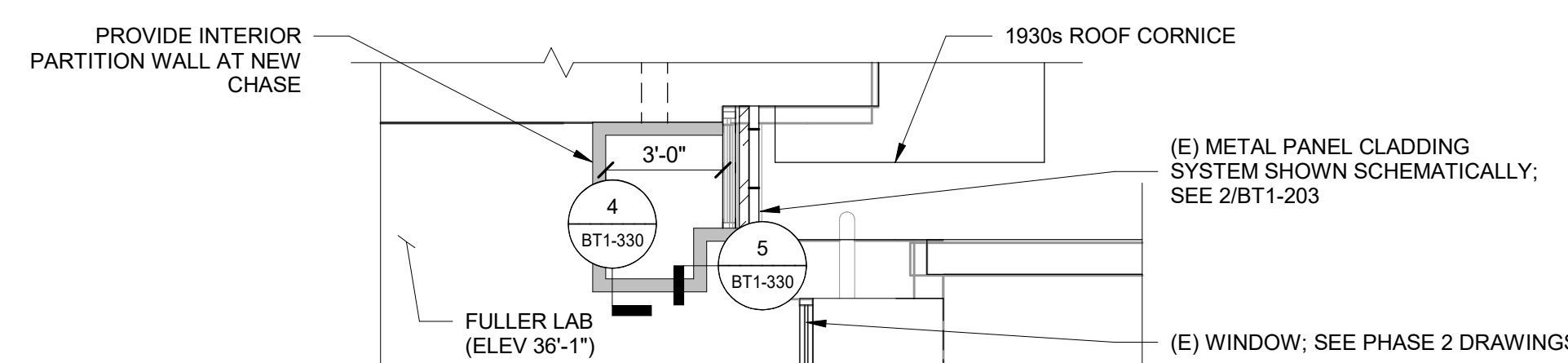
1930s ROOF SCOPE OF WORK:

1. PROVIDE TWO-PLY MODIFIED BITUMEN ROOF SYSTEM, INCLUDING VAPOR RETARDER, MECHANICALLY FASTENED TAPERED INSULATION, AND COVERBOARD. PROVIDE CRICKETS FORMED WITH TAPERED INSULATION. PROVIDE METAL FLASHING AT PERIMETERS, CURBS, AND TRANSITIONS. PROVIDE PMMA FLUID-APPLIED FLASHING AT PENETRATIONS. FOR PRICING, INCLUDE ADDITIONAL 6 PIPE PENETRATIONS.
2. SOUND (E) CONCRETE DECK AND REPAIR DELAMINATED OR SPALLED CONCRETE SURFACE; INCLUDE 10% OF AREA IN BID.
3. PROVIDE ROOF DRAINS AND RELATED ACCESSORIES AT LOCATIONS SHOWN. AT (N) DRAIN LOCATIONS, CORE (E) CONCRETE DECK. COORDINATE WITH PLUMBING DRAWINGS FOR PIPING AND PIPE INSULATION SCOPE OF WORK. INFILL (E) DRAIN LOCATIONS.
4. REINSTALL OR PROVIDE METAL EXHAUST VENTS AT CURBS AT LOCATIONS SHOWN. COORDINATE WITH MECHANICAL DRAWINGS.
5. PROVIDE INFILL BLOCKING AND PLYWOOD AT BUILT-IN GUTTERS AND ADJACENT CORNICE; SLOPE GUTTERS TO DRAINS MIN. 1/4 IN. PER FT. PROVIDE REINFORCED FLUID-APPLIED WATERPROOFING AT GUTTER AND CORNICE. PROVIDE SHEET METAL CLOSURE, COPPER COUNTERFLASHING, AND TIN/ZINC-COATED COPPER DRIP EDGE.
6. PROVIDE CORNICE DRAINS AT (E) BUILT-IN GUTTER DRAIN LOCATIONS.
7. PROVIDE TIN/ZINC-COATED COPPER COPING FLASHING AND COPPER STANDING SEAM PARAPET RISING WALL FLASHING.
8. PROVIDE CONCRETE CURB AND COPPER FLASHING AT LOCATIONS SHOWN ON THE DRAWING.
9. PROVIDE INTERIOR WALLS AT PIPE CHASE AND REPLACEMENT INTERIOR FINISHES AT (E) WALLS.

NOTES:

1. PROTECT ALL SURROUNDING FINISHES AND STRUCTURE TO REMAIN.
2. DIMENSIONS, MEMBER SIZES, EXISTING FRAMING CONFIGURATIONS, RELATIVE ELEVATIONS, SCALE, ETC. ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD PRIOR TO BIDDING.
3. HAZARDOUS MATERIALS: HAZARDOUS MATERIALS FOUND IN PROJECT AREAS. COORDINATE WITH ABATEMENT DRAWINGS AND REQUIREMENTS OF OWNER'S HAZARDOUS MATERIALS CONSULTANT.

1 1930s ROOF PLAN
1/8" = 1'-0"



2 FULLER LAB EXTERIOR WALL PART PLAN
1/4" = 1'-0"

Phase 1, Complete per Decision 22AUG2022

No.	Date	Description	By
5	7/22/22	PHASE 1 AND 2 - PERMIT SET	
4	03/31/22	PHASE 3 - 90% CDs	
3	02/11/22	PHASE 1 AND 2 BID SET	
2	12/16/21	50% CONSTRUCTION DOCUMENTS	
1	10/28/21	100% DESIGN DEVELOPMENT	

1930s Building Roof & Fuller Lab Envelope Improvements
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WORCESTER, MA

Project

PHASE 1

1930s ROOF PLAN

Drawing Title

Project No. 210608.00	Checked CCW	Date 7/22/2022
Drawn KEM/BBS/MAW	Approved JSD	Scale As indicated

Drawing No.

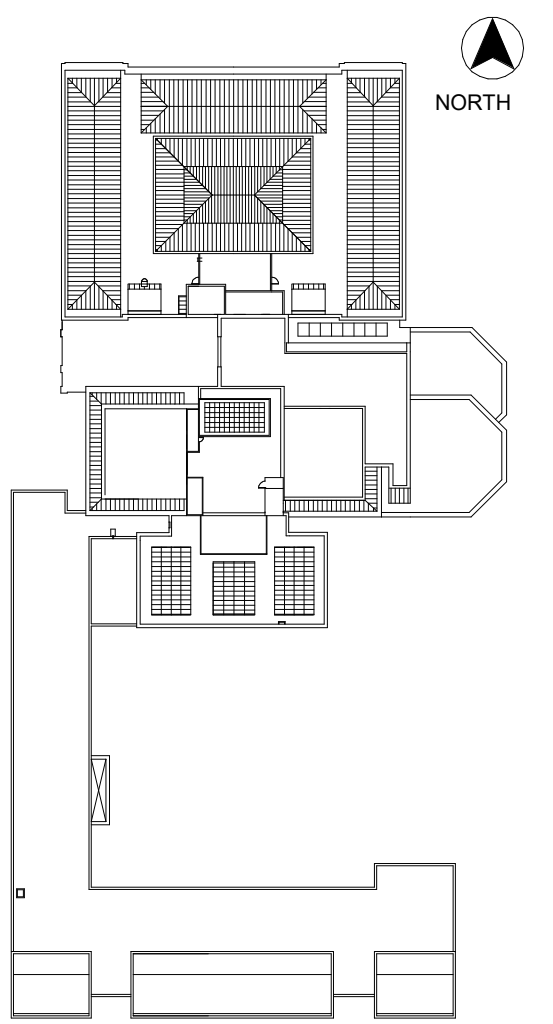
BT1-100

Seal



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KEY PLAN

LEGEND

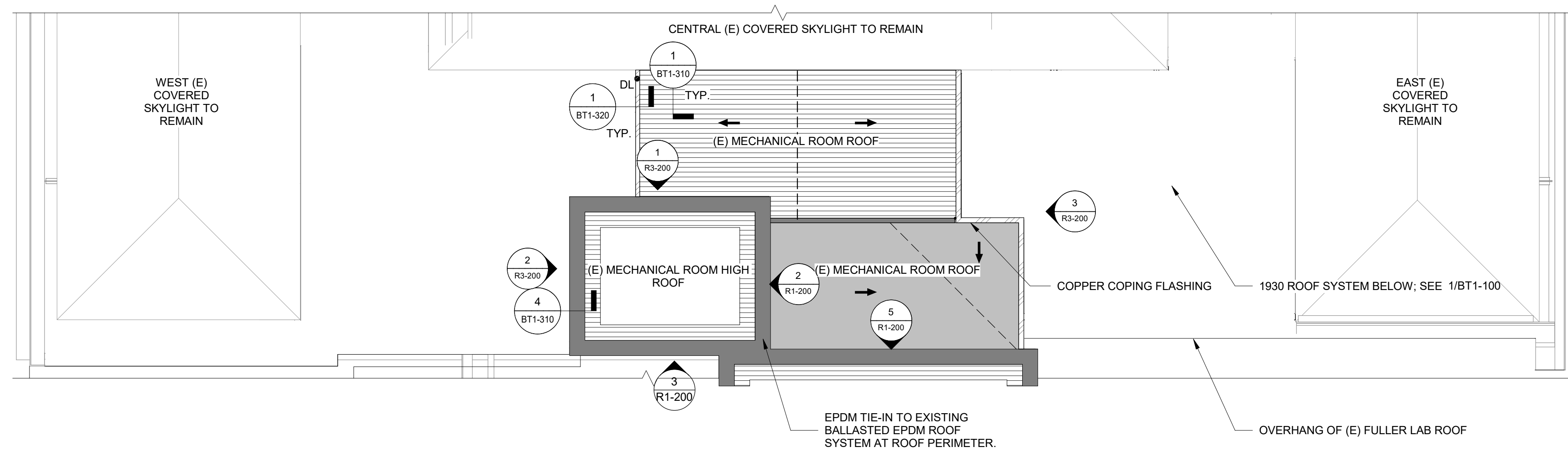
- TWO-PLY MODIFIED BITUMEN ROOF SYSTEM; SEE 1/BT1-300
- EPDM ROOF SYSTEM; SEE 1/BT1-310
- TIN/ZINC-COATED COPPER COPING OR CURB FLASHING
- ALUMINUM HUNG GUTTER 1/BT1-320
- DL DOWNLEADER
- SLOPE TO DRAIN; MIN. 1/4" PER FT.
- PENETRATION; SEE 2/BT1-310

MECHANICAL ROOM ROOF SCOPE OF WORK:

1. PROVIDE TWO-PLY MODIFIED BITUMEN ROOF SYSTEM, INCLUDING VAPOR RETARDER, MECHANICALLY FASTENED TAPERED INSULATION, AND COVERBOARD. PROVIDE CRICKETS FORMED WITH TAPERED INSULATION. PROVIDE METAL FLASHING AT PERIMETERS, CURBS, AND TRANSITIONS.
2. PROVIDE EPDM ROOF SYSTEM, INCLUDING VAPOR RETARDER, MECHANICALLY FASTENED TAPERED INSULATION, AND COVERBOARD. PROVIDE CRICKETS FORMED WITH TAPERED INSULATION. PROVIDE METAL FLASHING AT PERIMETERS, CURBS, AND TRANSITIONS.
3. PROVIDE GUTTERS AT LOCATIONS SHOWN ON DRAWING.
4. SOUND (E) CONCRETE DECK AND REPAIR DELAMINATED OR SPALLED CONCRETE SURFACE; INCLUDE 5% OF AREA IN BID.

NOTES:

1. PROTECT ALL SURROUNDING FINISHES AND STRUCTURE TO REMAIN.
2. DIMENSIONS, MEMBER SIZES, EXISTING FRAMING CONFIGURATIONS, RELATIVE ELEVATIONS, SCALE, ETC. ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD PRIOR TO BIDDING.
3. HAZARDOUS MATERIALS: HAZARDOUS MATERIALS FOUND IN PROJECT AREAS. COORDINATE WITH ABATEMENT DRAWINGS AND REQUIREMENTS OF OWNER'S HAZARDOUS MATERIALS CONSULTANT.



1 MECHANICAL ROOM AND FULLER ROOF PLAN
 1/8" = 1'-0"

No.	Date	Description	By
5	7/22/22	PHASE 1 AND 2 - PERMIT SET	
4	03/31/22	PHASE 3 - 90% CDs	
3	02/11/22	PHASE 1 AND 2 BID SET	
2	12/16/21	50% CONSTRUCTION DOCUMENTS	
1	10/28/21	100% DESIGN DEVELOPMENT	

1930s Building Roof & Fuller Lab Envelope Improvements
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WORCESTER, MA

Project

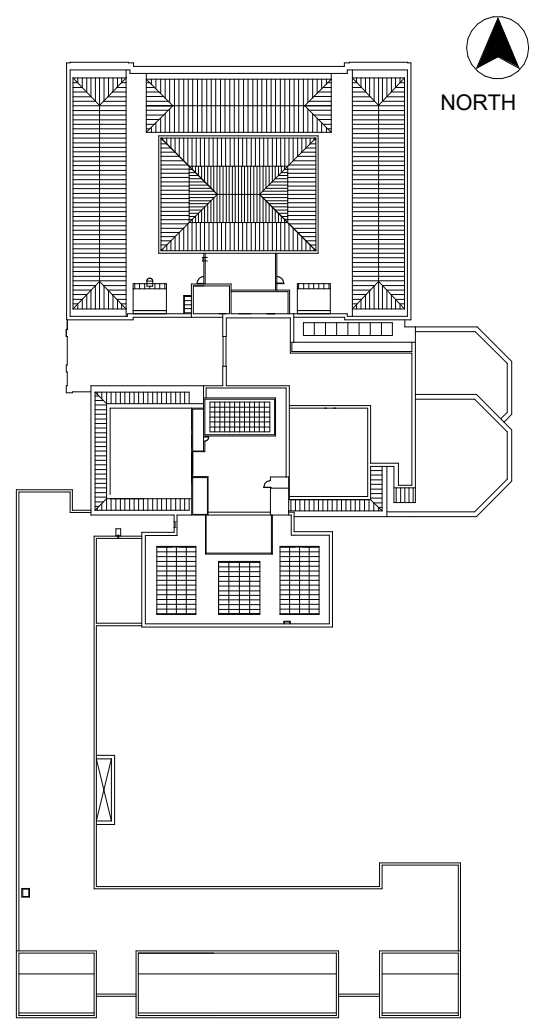
PHASE 1
FULLER ROOF AND MECHANICAL ROOM ROOFS

Drawing Title

Project No. 210608.00	Checked CCW	Date 7/22/2022
Drawn KEM/BBS/MAW	Approved JSD	Scale As indicated

Seal	Drawing No. BT1-101
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Phase 1, Complete per
 Decision 22AUG2022



KEY PLAN

No.	Date	Description	By
5	7/22/22	PHASE 1 AND 2 - PERMIT SET	
4	03/31/22	PHASE 3 - 90% CDs	
3	02/11/22	PHASE 1 AND 2 BID SET	
2	12/16/21	50% CONSTRUCTION DOCUMENTS	
1	10/28/21	100% DESIGN DEVELOPMENT	

1930s Building Roof & Fuller Lab Envelope Improvements
WORCESTER ART MUSEUM
WORCESTER, MA

Project

PHASE 1
MECHANICAL ROOM ELEVATIONS

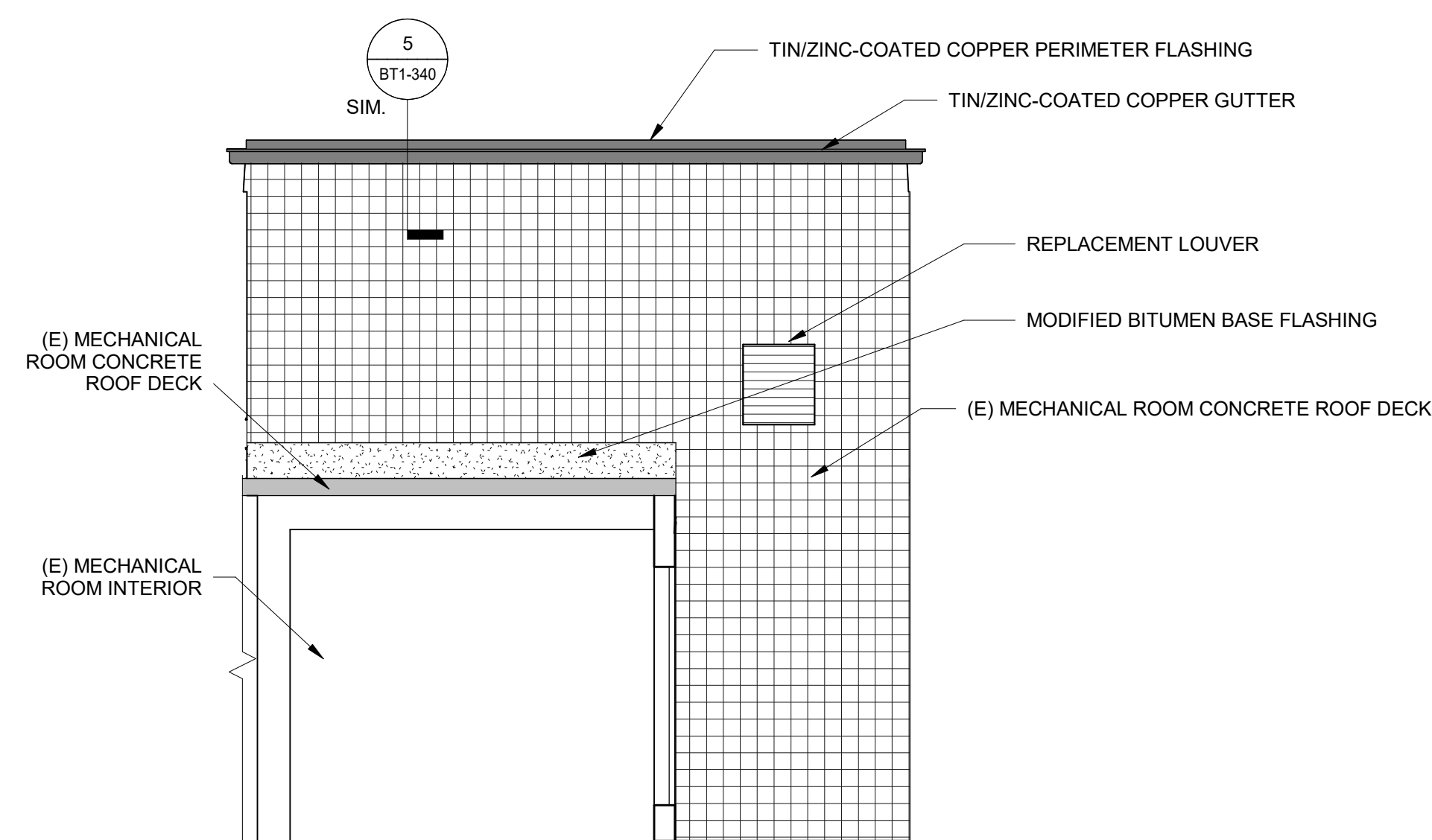
Drawing Title

Project No. 210608.00	Checked CCW	Date 7/22/2022
Drawn KEM/BBS/MAW	Approved JSD	Scale As indicated

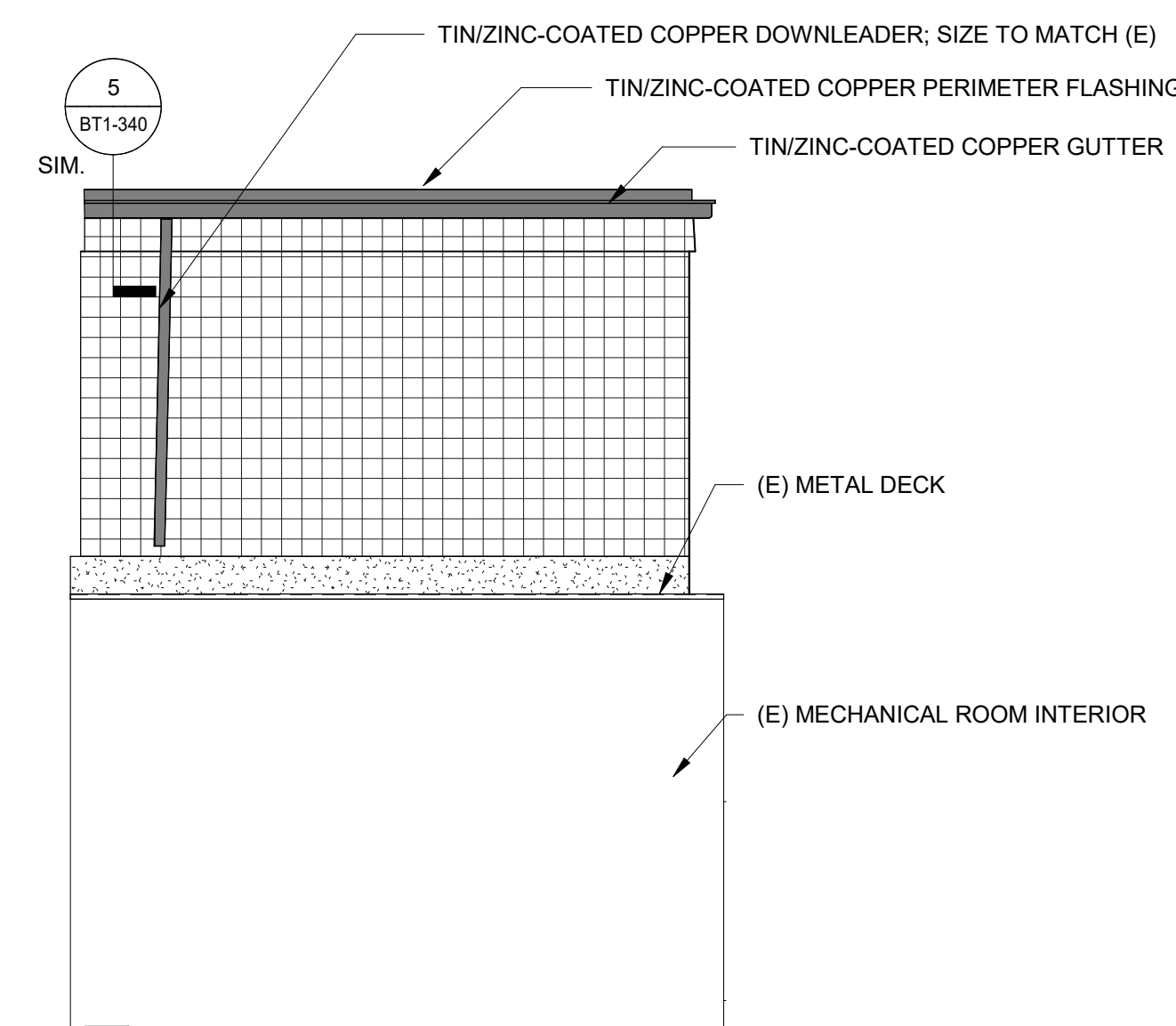
Drawing No.

BT1-200

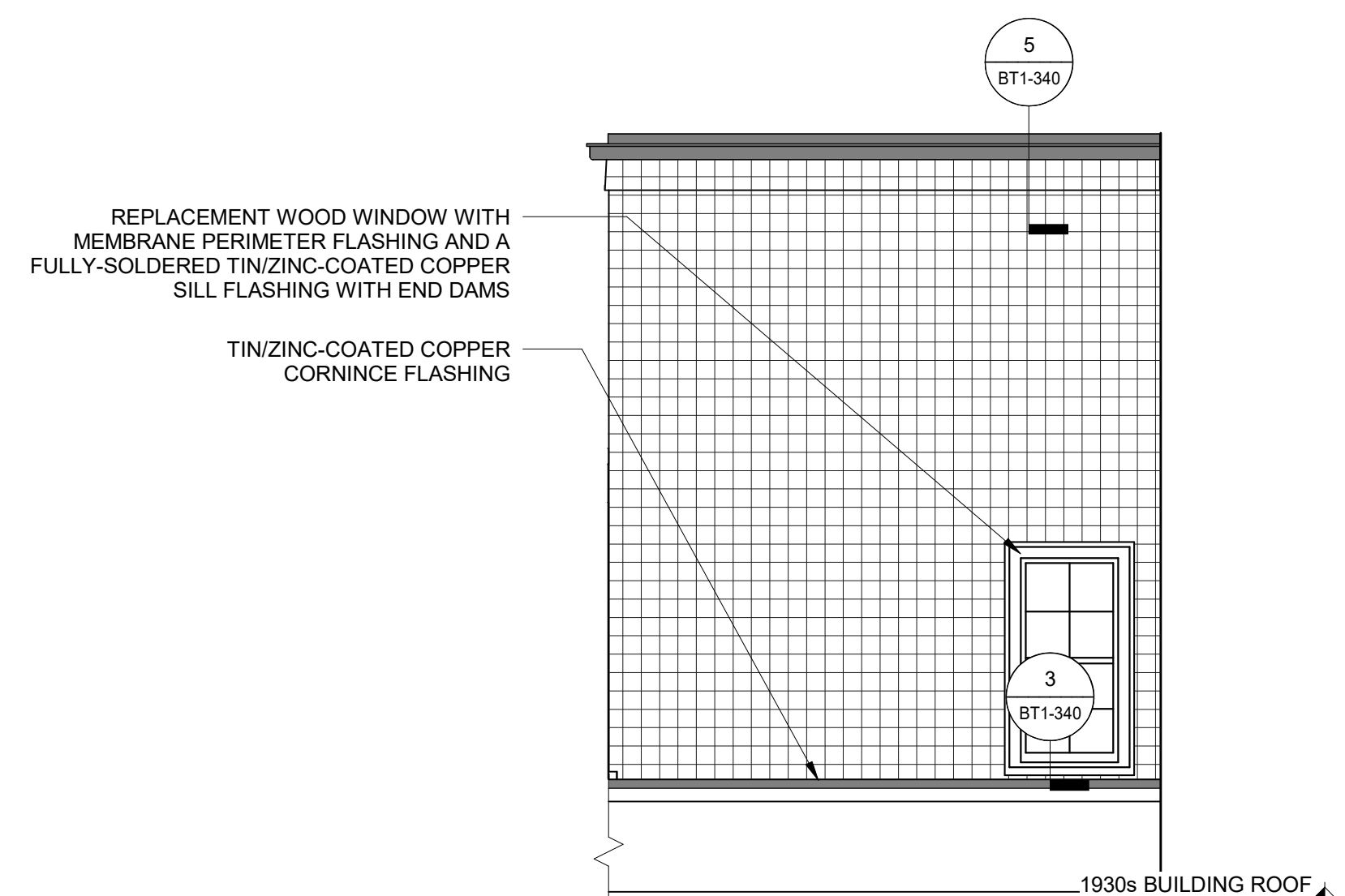
Seal



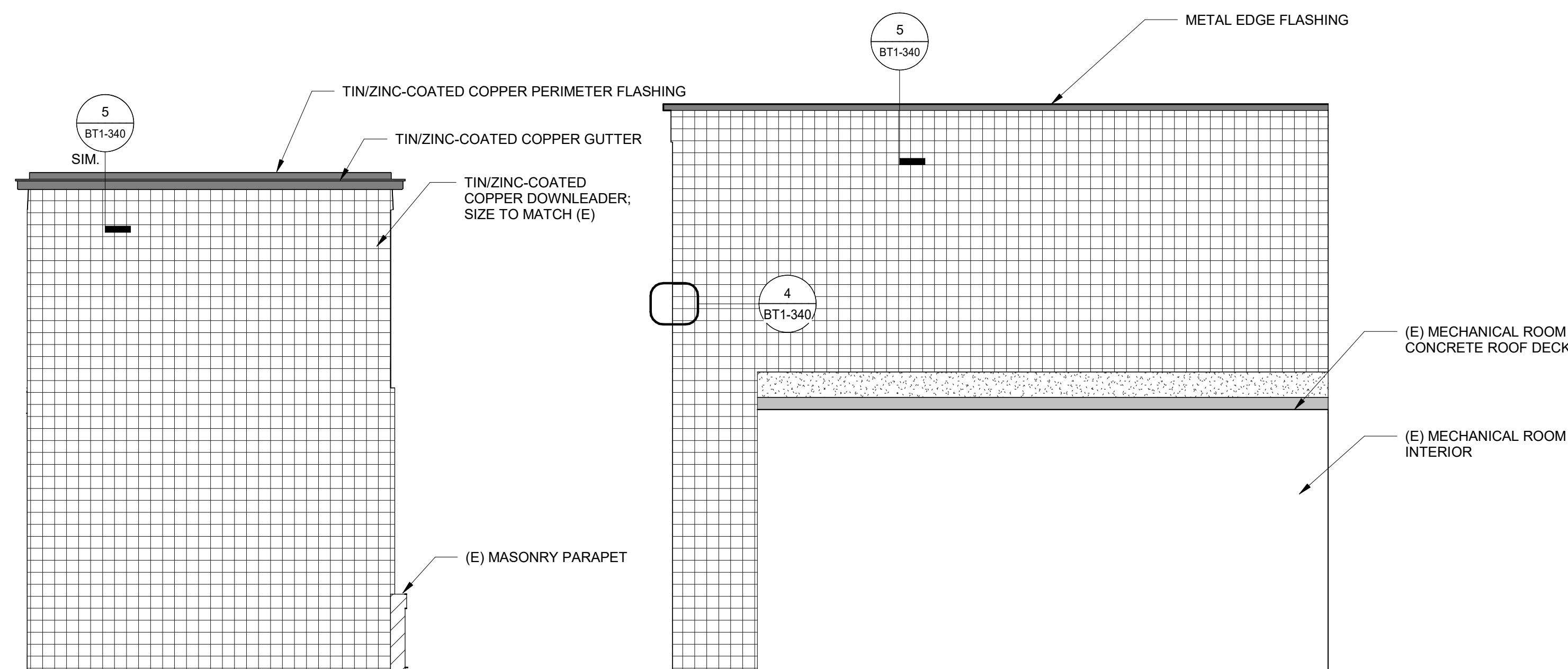
1 (E) MECHANICAL ROOM HIGH ROOF - NORTH ELEVATION
1/4" = 1'-0"



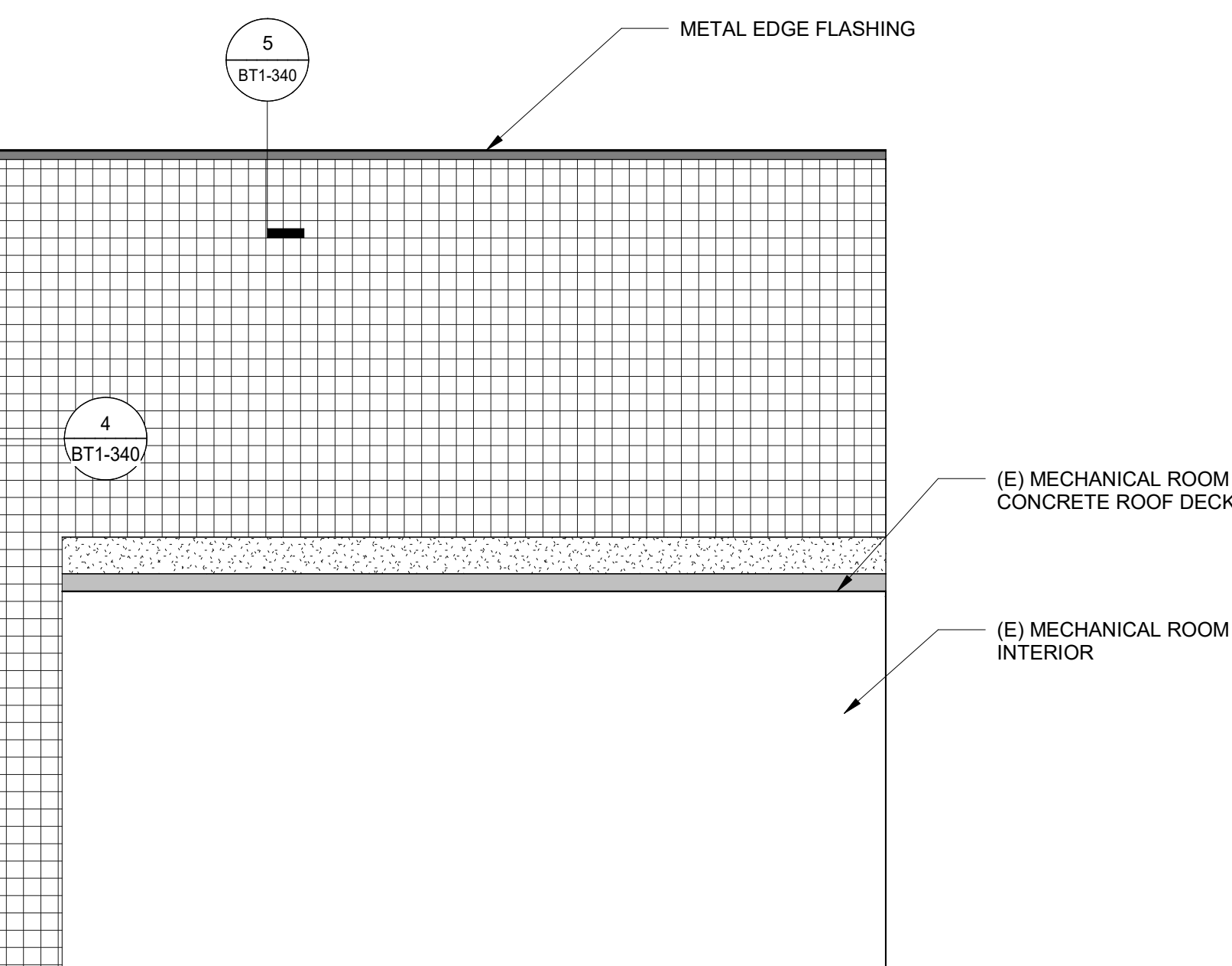
2 (E) MECHANICAL ROOM HIGH ROOF - EAST ELEVATION
1/4" = 1'-0"



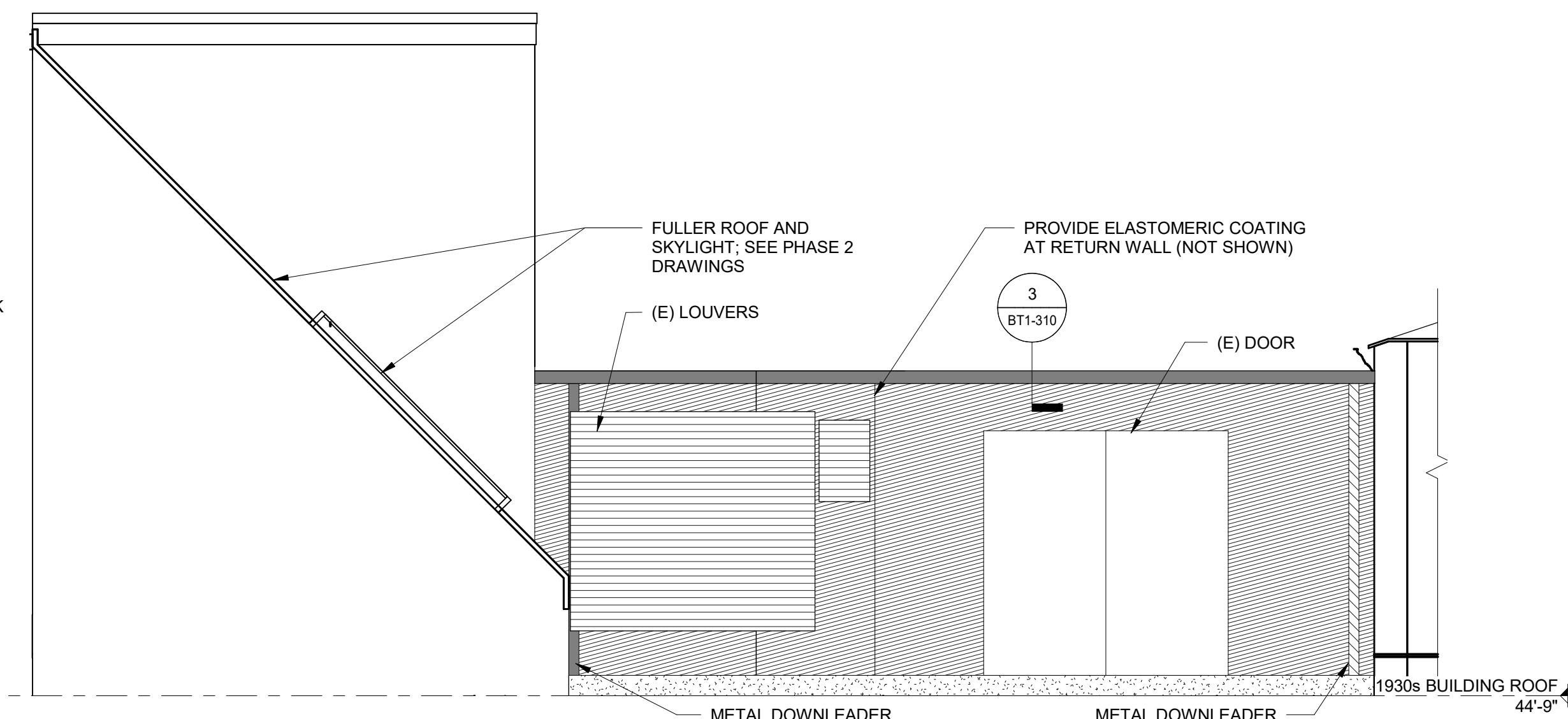
3 (E) MECHANICAL ROOM HIGH ROOF & MECHANICAL ROOM - SOUTH ELEVATION
1/4" = 1'-0"



4 (E) MECHANICAL ROOM HIGH ROOF - WEST ELEVATION
1/4" = 1'-0"



5 FULLER HIGH ROOF - NORTH ELEVATION
1/4" = 1'-0"



6 FULLER HIGH ROOF - WEST ELEVATION
1/4" = 1'-0"

LEGEND

- UPHC CLADDING SYSTEM; SEE DETAIL 1/BT1-340
- TIN/ZINC-COATED COPPER FLASHING, GUTTER, AND DOWNLEADER
- MODIFIED BITUMEN BASE FLASHING
- ELASTOMERIC COATING ON (E) EIFS OR STUCCO

SCOPE OF WORK:
1. PROVIDE UPHC CLADDING SYSTEM AT MECHANICAL ROOM AND (E) MECHANICAL ROOM WALLS, INCLUDING SELF-ADHERED AIR BARRIER, 5 IN. MINERAL WOOL INSULATION BETWEEN DISCRETE ATTACHMENT BRACKETS, AND UHPC PANELS. MECHANICAL ROOM WALLS ARE 6" COLD FORMED STUD WALLS WITH GYPSUM SHEATHING AND (E) MECHANICAL ROOM WALLS ARE CMU.
2. PROVIDE TIN/ZINC-COATED COPPER PERIMETER AND TRANSITION FLASHING, GUTTERS, AND DOWNLEADERS AT LOCATIONS SHOWN.

NOTES:
1. PROTECT ALL SURROUNDING FINISHES AND STRUCTURE TO REMAIN.
2. DIMENSIONS, MEMBER SIZES, EXISTING FRAMING CONFIGURATIONS, RELATIVE ELEVATIONS, SCALE, ETC. ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD PRIOR TO BIDDING.
3. HAZARDOUS MATERIALS: HAZARDOUS MATERIALS FOUND IN PROJECT AREAS. COORDINATE WITH ABATEMENT DRAWINGS AND REQUIREMENTS OF OWNER'S HAZARDOUS MATERIALS CONSULTANT.

Phase 1, Complete per
Decision 22AUG2022

Phase 1, Complete per
Decision 22AUG2022

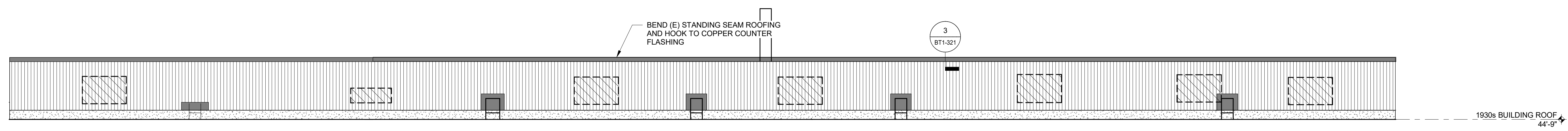
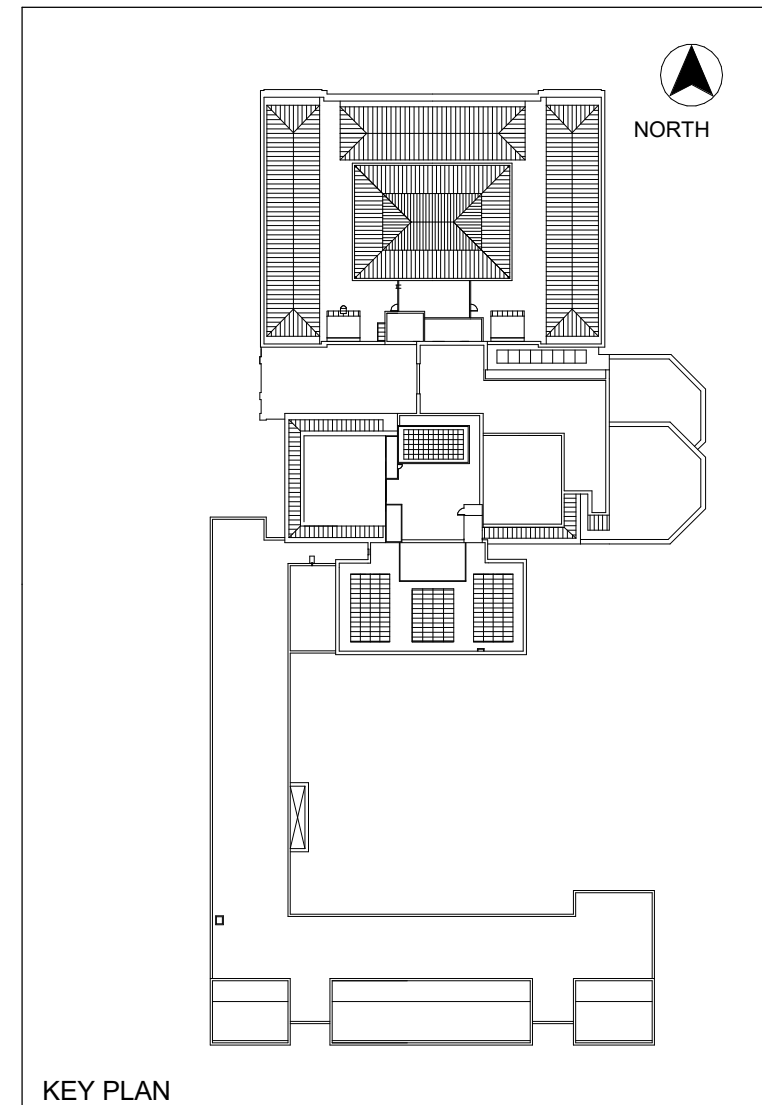
LEGEND

	COPPER STANDING SEAM PANELS
	COPPER PERIMETER FLASHING
	INFILL OPENINGS IN (E) TERRA COTTA BACK-UP WALL WITH MASONRY
	MODIFIED BITUMEN BASE FLASHING

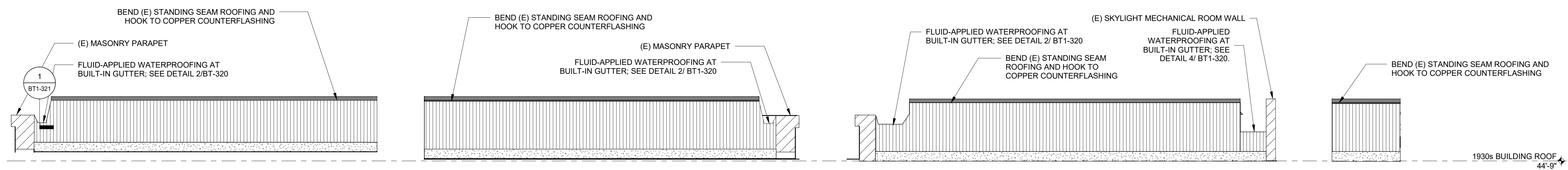
- SCOPE OF WORK:**
- INFILL EXISTING WINDOW AND LOUVER OPENINGS IN THE TERRA COTTA BACK-UP WALLS WITH CONCRETE BRICK MASONRY.
 - PROVIDE COPPER STANDING SEAM PANELS AT WALLS WITH HIGH TEMPERATURE RESISTANT SELF-ADHERED MEMBRANE AND PLYWOOD FASTENED TO THE EXISTING BACK-UP WALL.
 - PROVIDE COPPER PERIMETER FLASHING AND BUTTRESS FLASHING.
- NOTES:**
- PROTECT ALL SURROUNDING FINISHES AND STRUCTURE TO REMAIN.
 - DIMENSIONS, MEMBER SIZES, EXISTING FRAMING CONFIGURATIONS, RELATIVE ELEVATIONS, SCALE, ETC. ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD PRIOR TO BIDDING.
 - HAZARDOUS MATERIALS: HAZARDOUS MATERIALS FOUND IN PROJECT AREAS. COORDINATE WITH ABATEMENT DRAWINGS AND REQUIREMENTS.



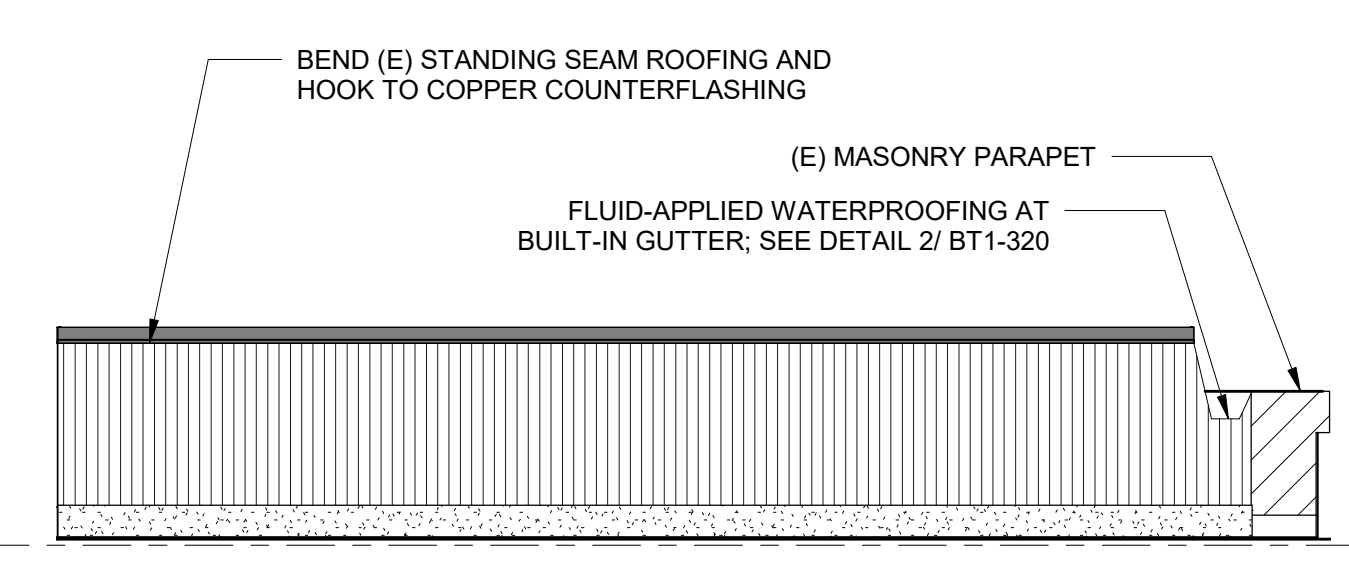
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480 Totten Pond Road
Waltham, MA 02451
781.907.9000
sgh.com



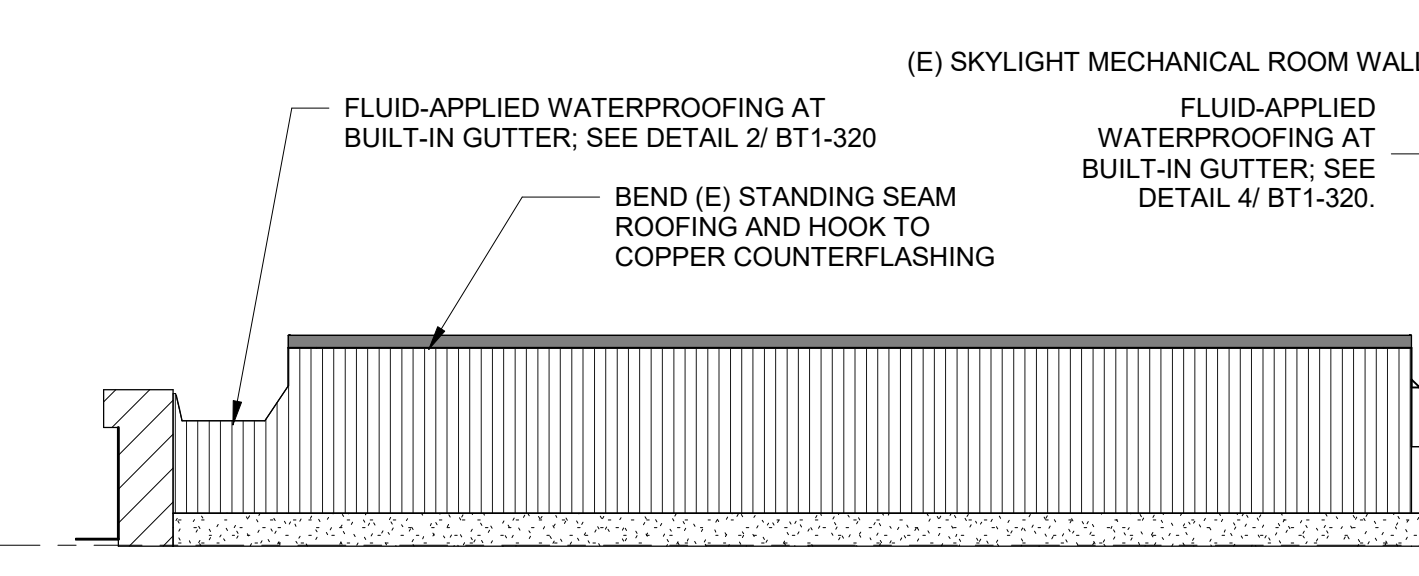
1 WEST COVERED SKYLIGHT - EAST ELEVATION
1/4" = 1'-0"



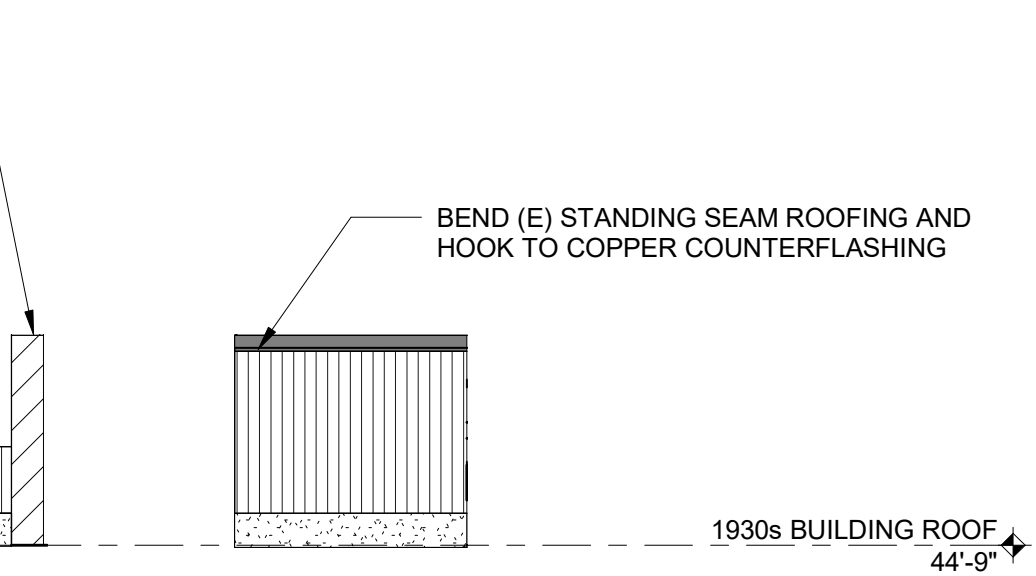
2 WEST COVERED SKYLIGHT - SOUTH ELEVATION
1/4" = 1'-0"



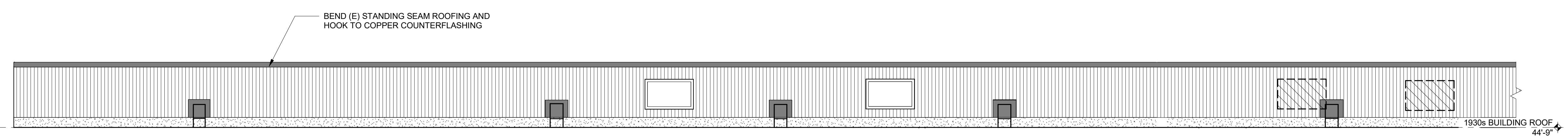
3 WEST COVERED SKYLIGHT - NORTH ELEVATION
1/4" = 1'-0"



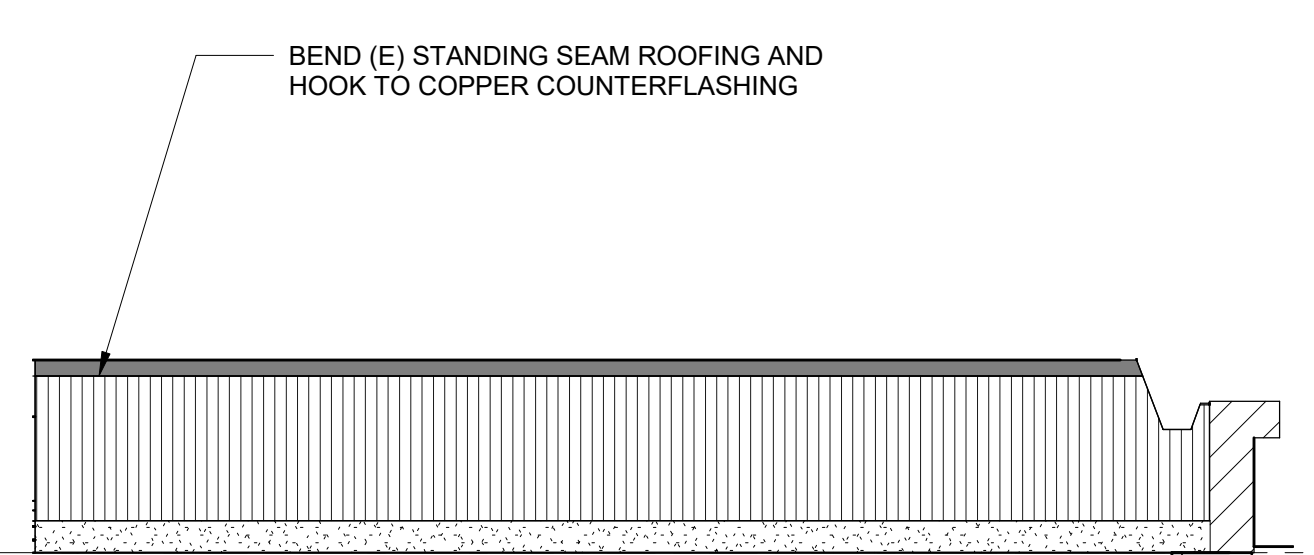
4 NORTH COVERED SKYLIGHT - WEST ELEVATION
1/4" = 1'-0"



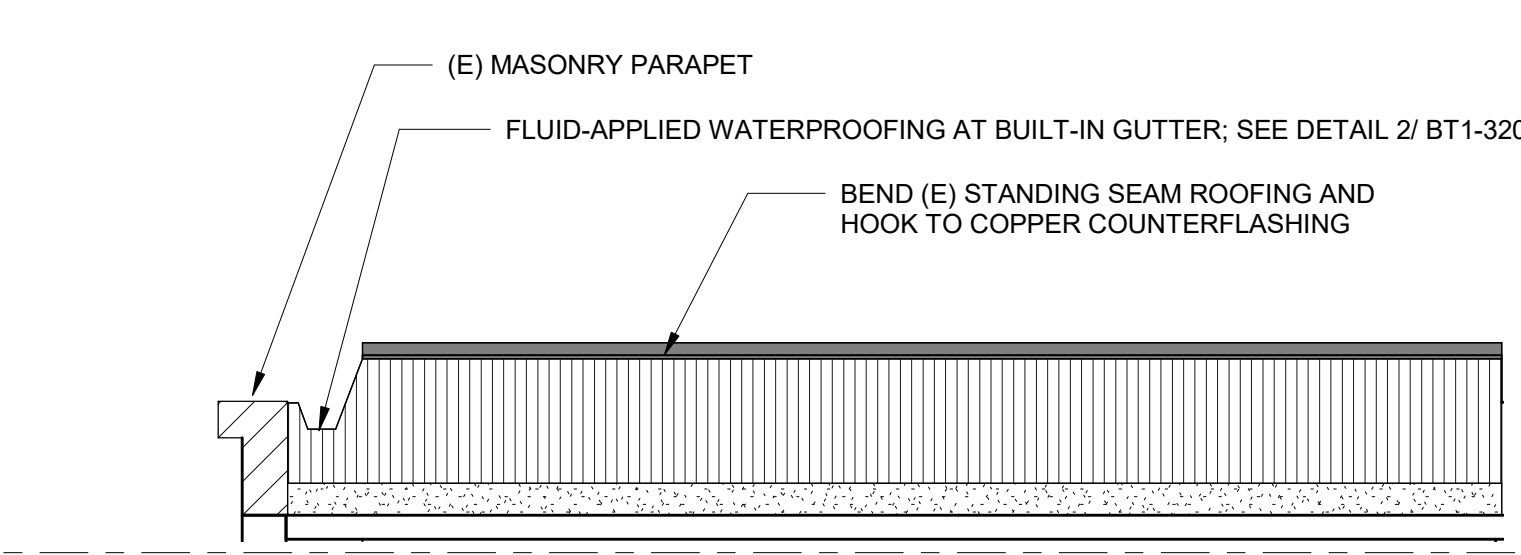
5 NORTH COVERED SKYLIGHT - SOUTHWEST RETURN ELEVATION
1/4" = 1'-0"



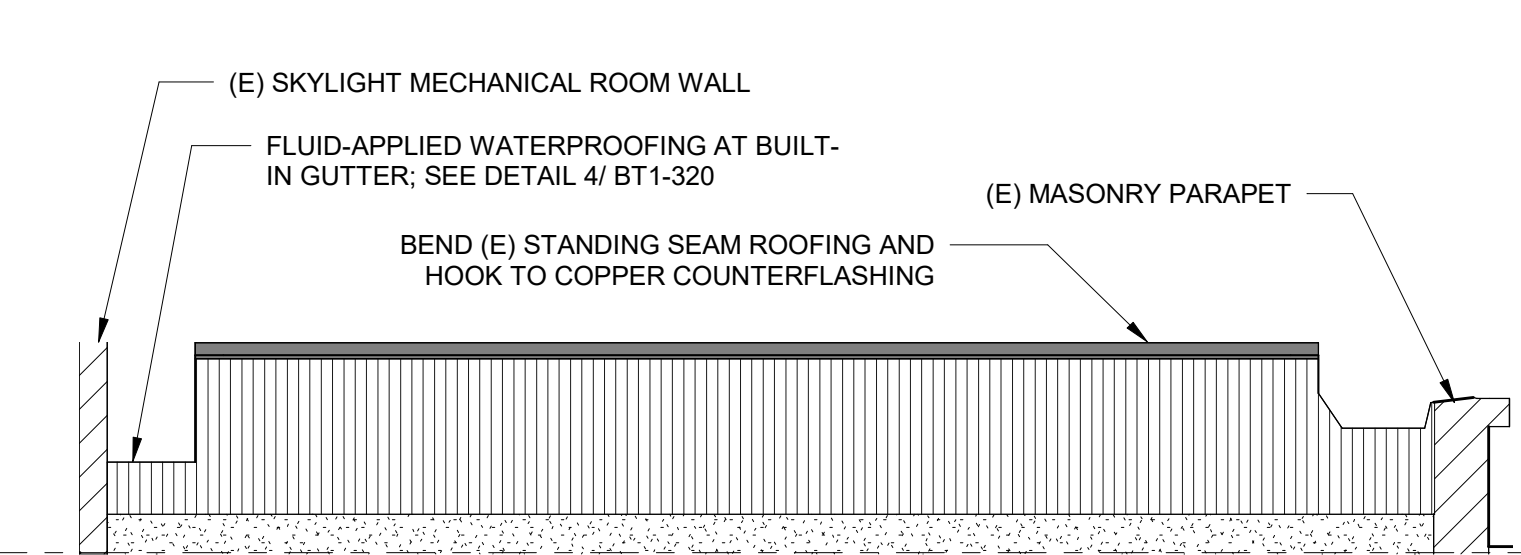
6 EAST COVERED SKYLIGHT - WEST ELEVATION
1/4" = 1'-0"



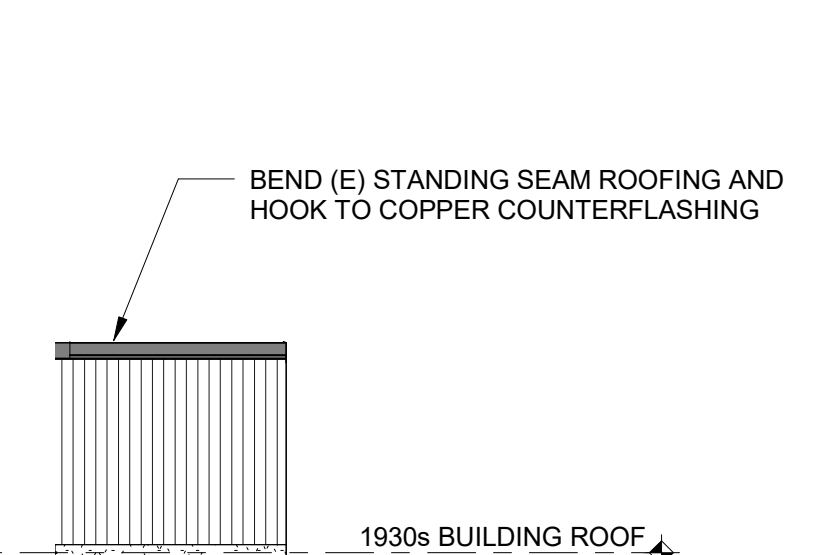
7 EAST COVERED SKYLIGHT - SOUTH ELEVATION
1/4" = 1'-0"



8 EAST COVERED SKYLIGHT - NORTH ELEVATION
1/4" = 1'-0"



9 NORTH COVERED SKYLIGHT - EAST ELEVATION
1/4" = 1'-0"



10 NORTH COVERED SKYLIGHT - SOUTHEAST RETURN ELEVATION
1/4" = 1'-0"

No.	Date	Description	By
5	7/22/22	PHASE 1 AND 2 - PERMIT SET	
4	03/31/22	PHASE 3 - 90% CDs	
3	02/11/22	PHASE 1 AND 2 BID SET	
2	12/16/21	50% CONSTRUCTION DOCUMENTS	
1	10/28/21	100% DESIGN DEVELOPMENT	

1930s Building Roof & Fuller Lab Envelope Improvements
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WORCESTER, MA

Project

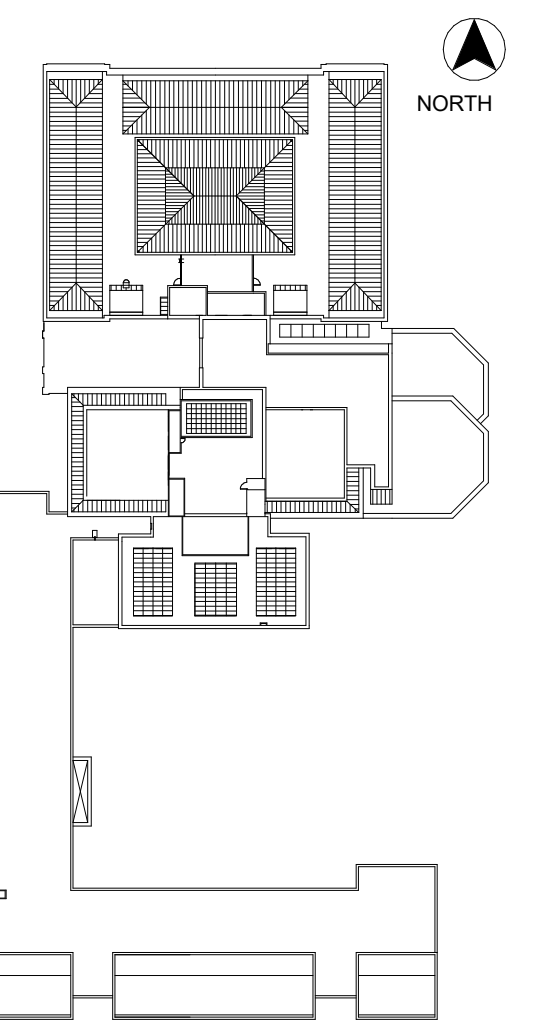
PHASE 1

PARTIAL ELEVATIONS

Drawing Title

Project No. 210608.00	Checked CCW	Date 7/22/2022
Drawn KEM/BBS/MAW	Approved JSD	Scale As indicated
Seal		Drawing No. BT1-201

7/22/2022 10:35:03 AM BIM 360/Revit & Fuller Lab Envelope Improvements210608.00_WAM-ROOF_R21_CENTRAL.rvt



KEY PLAN

No.	Date	Description	By
5	7/22/22	PHASE 1 AND 2 - PERMIT SET	
4	03/31/22	PHASE 3 - 90% CDs	
3	02/11/22	PHASE 1 AND 2 BID SET	
2	12/16/21	50% CONSTRUCTION DOCUMENTS	
1	10/28/21	100% DESIGN DEVELOPMENT	

1930s Building Roof & Fuller Lab Envelope Improvements
WORCESTER ART MUSEUM
WORCESTER, MA

Project

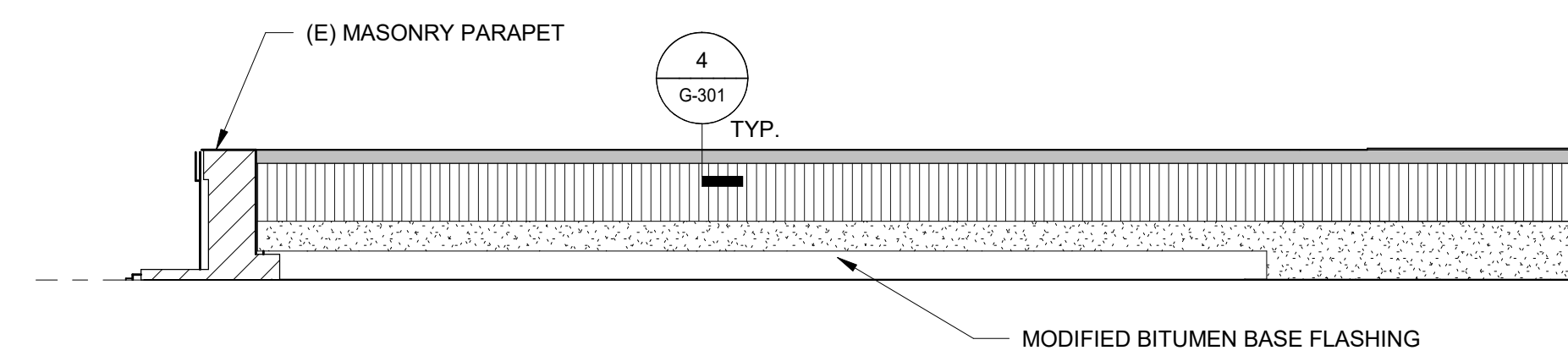
PHASE 1
PARAPET ELEVATIONS

Drawing Title

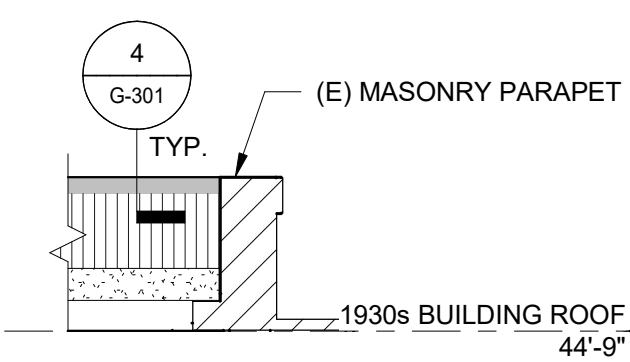
Project No. 210608.00	Checked CCW	Date 7/22/2022
Drawn KEM/BBS/MAW	Approved JSD	Scale As indicated

Seal

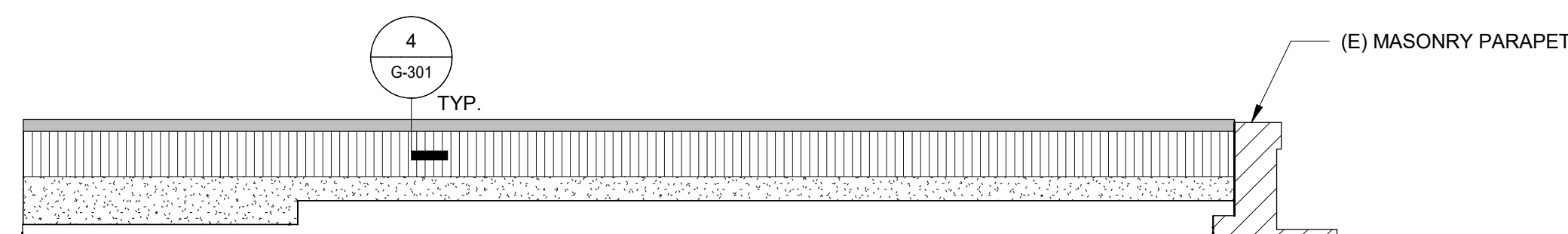
BT1-202



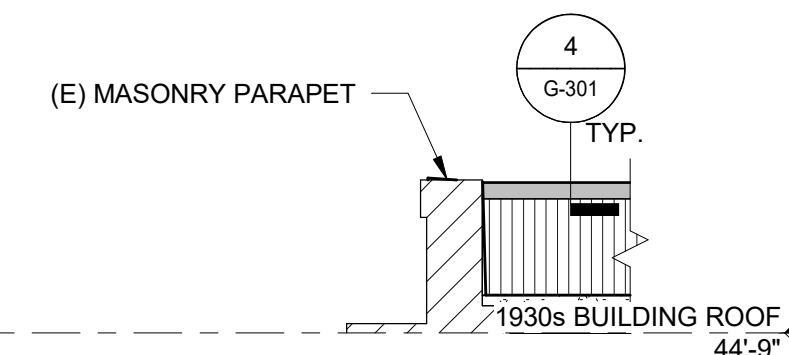
1 (E) PARAPET - NORTH ELEVATION (WEST)
1/4" = 1'-0"



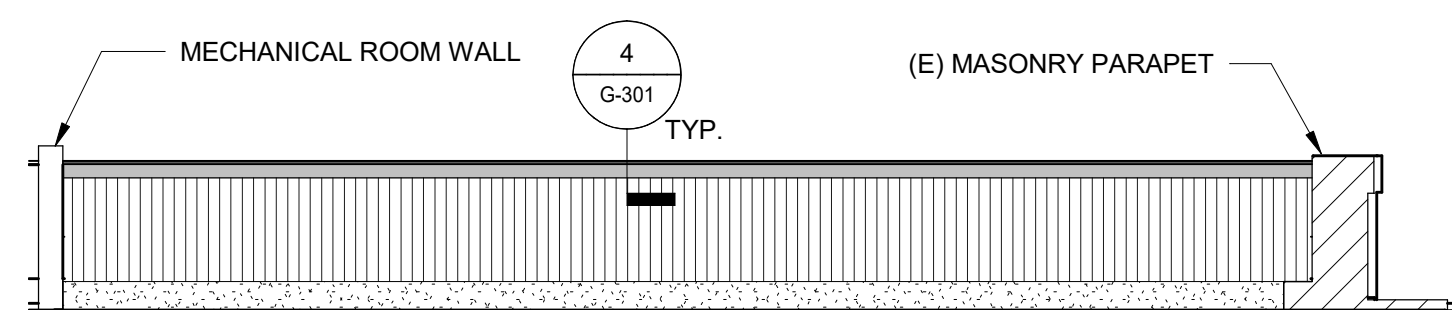
2 (E) PARAPET - WEST RETURN ELEVATION (NORTH)
1/4" = 1'-0"



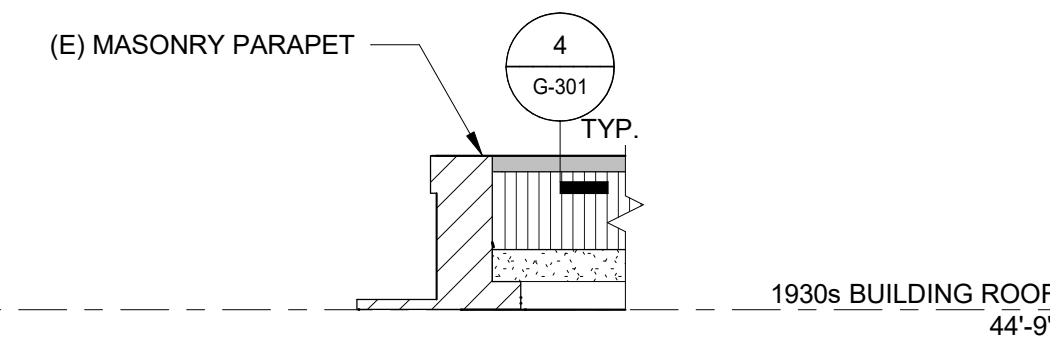
3 (E) PARAPET - NORTH ELEVATION (EAST)
1/4" = 1'-0"



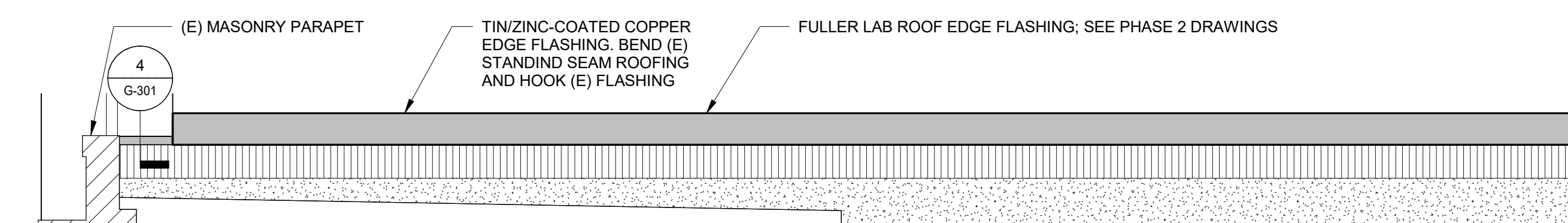
4 (E) PARAPET - EAST RETURN ELEVATION (NORTH)
1/4" = 1'-0"



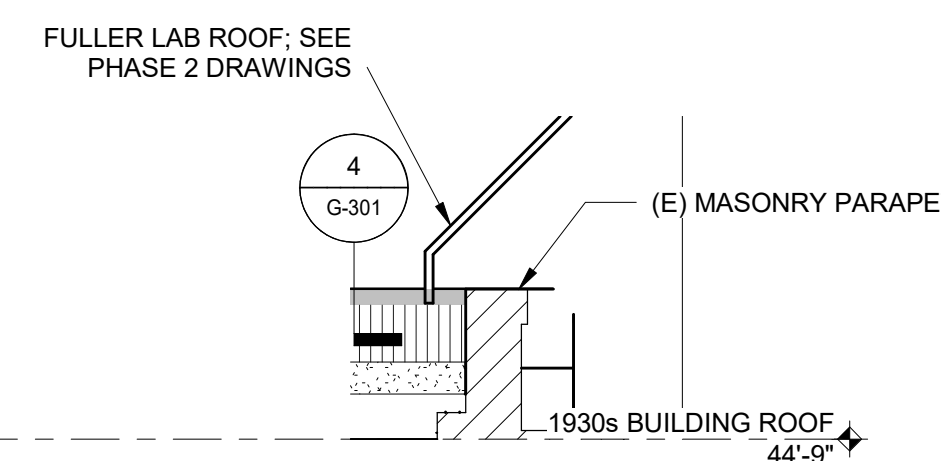
5 (E) PARAPET - SOUTH ELEVATION (WEST)
1/4" = 1'-0"



6 (E) PARAPET - WEST RETURN ELEVATION (SOUTH)
1/4" = 1'-0"



7 (E) PARAPET - SOUTH ELEVATION (EAST)
1/4" = 1'-0"



8 (E) PARAPET - EAST RETURN ELEVATION (SOUTH)
1/4" = 1'-0"

LEGEND

	COPPER STANDING SEAM PANELS; SEE 1/ G-301
	TIN/ZINC-COATED COPPER COPING FLASHING; SEE: 4/G-301
	MODIFIED BITUMEN BASE FLASHING

SCOPE OF WORK:
1. PROVIDE COPPER STANDING SEAM PANELS AT WALLS WITH HIGH TEMPERATURE RESISTANT SELF-ADHERED MEMBRANE AND PLYWOOD FASTENED TO THE EXISTING BACK-UP WALL.

2. PROVIDE TIN/ZINC-COATED COPPER COPING FLASHING.
3. PROVIDE TIN/ZINC-COATED COPPER ROOF EDGE FLASHING ADJACENT TO FULLER ROOF.

NOTES:
1. PROTECT ALL SURROUNDING FINISHES AND STRUCTURE TO REMAIN.
2. DIMENSIONS, MEMBER SIZES, EXISTING FRAMING CONFIGURATIONS, RELATIVE ELEVATIONS, SCALE, ETC. ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD PRIOR TO BIDDING.
3. HAZARDOUS MATERIALS: HAZARDOUS MATERIALS FOUND IN PROJECT AREAS. COORDINATE WITH ABATEMENT DRAWINGS AND REQUIREMENTS.

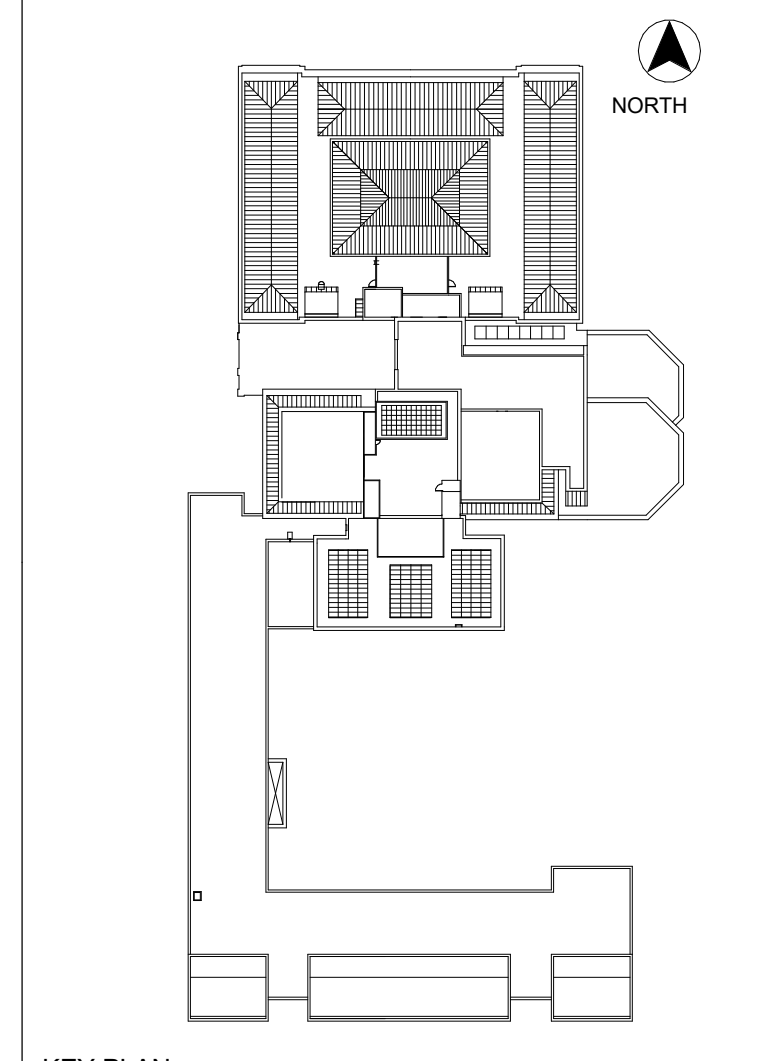
Phase 1, Complete per
Decision 22AUG2022

WHC, Note of Omission
 Replacement of the multistory curtain wall assembly with a metal panel assembly is omitted from this application.
 Per April 03, 2024 decision, the window will be replaced in-kind via the 1898/ 1983 Facade Improvement project.

- SCOPE OF WORK:**
1. PROVIDE METAL PANELS WITH SUB-FRAMING ATTACHMENT SYSTEM, MINERAL WOOL INSULATION, SELF-ADHERING SHEET MEMBRANE AIR BARRIER MEMBRANE, EXTERIOR SHEATHING, AND COLD-FORMED METAL FRAMING AT MULTI-STORY OPENING.
 2. PROVIDE UL-APPROVED FIRESTOPPING AND JOINT AT FLOOR LINES.
- NOTES:**
1. PROTECT ALL SURROUNDING FINISHES AND STRUCTURE TO REMAIN.
 2. DIMENSIONS, MEMBER SIZES, EXISTING FRAMING CONFIGURATIONS, RELATIVE ELEVATIONS, SCALE, ETC. ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD PRIOR TO BIDDING.
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 Waltham, MA 02451
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KEY PLAN

No.	Date	Description	By
5	7/22/22	PHASE 1 AND 2 - PERMIT SET	
4	03/31/22	PHASE 3 - 90% CDs	
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1930s Building Roof & Fuller Lab Envelope Improvements
WORCESTER ART MUSEUM
WORCESTER, MA

PHASE 1
FULLER LAB PARTIAL ELEVATIONS

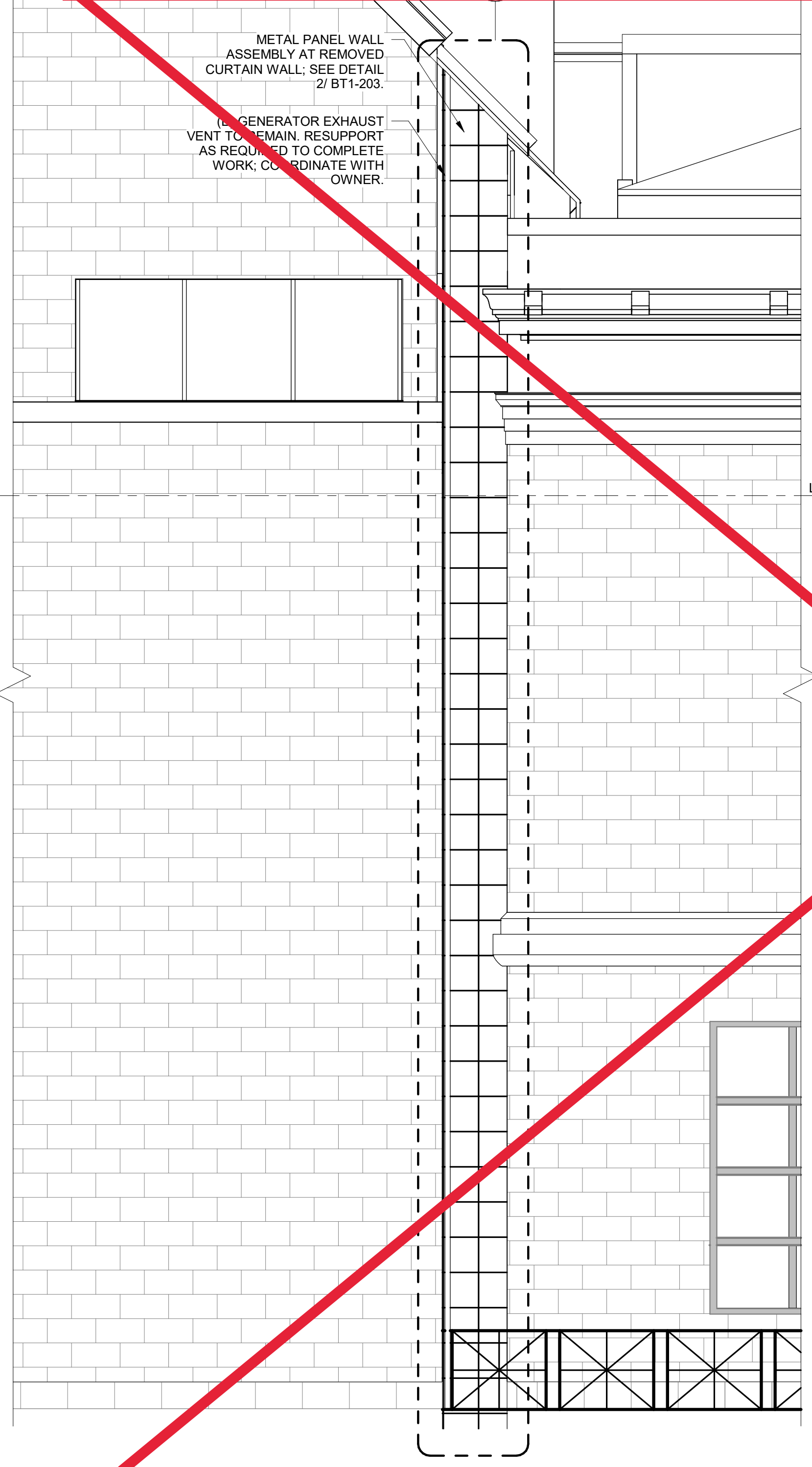
Drawing Title

Project No. 210608.00	Checked CCW	Date 7/22/2022
Drawn KEM/BBS/MAW	Approved JSD	Scale As indicated

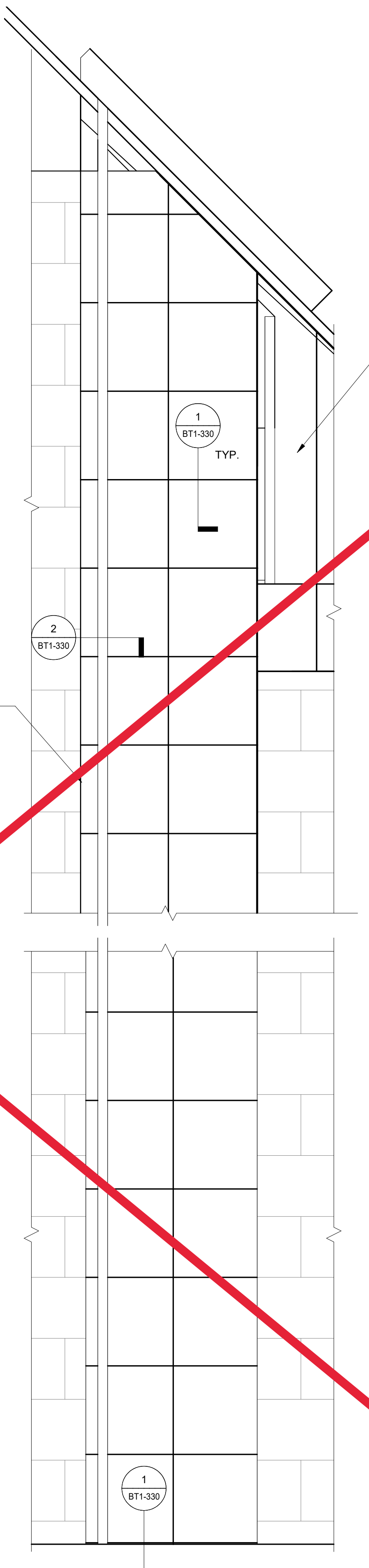
Drawing No.

BT1-203

Seal

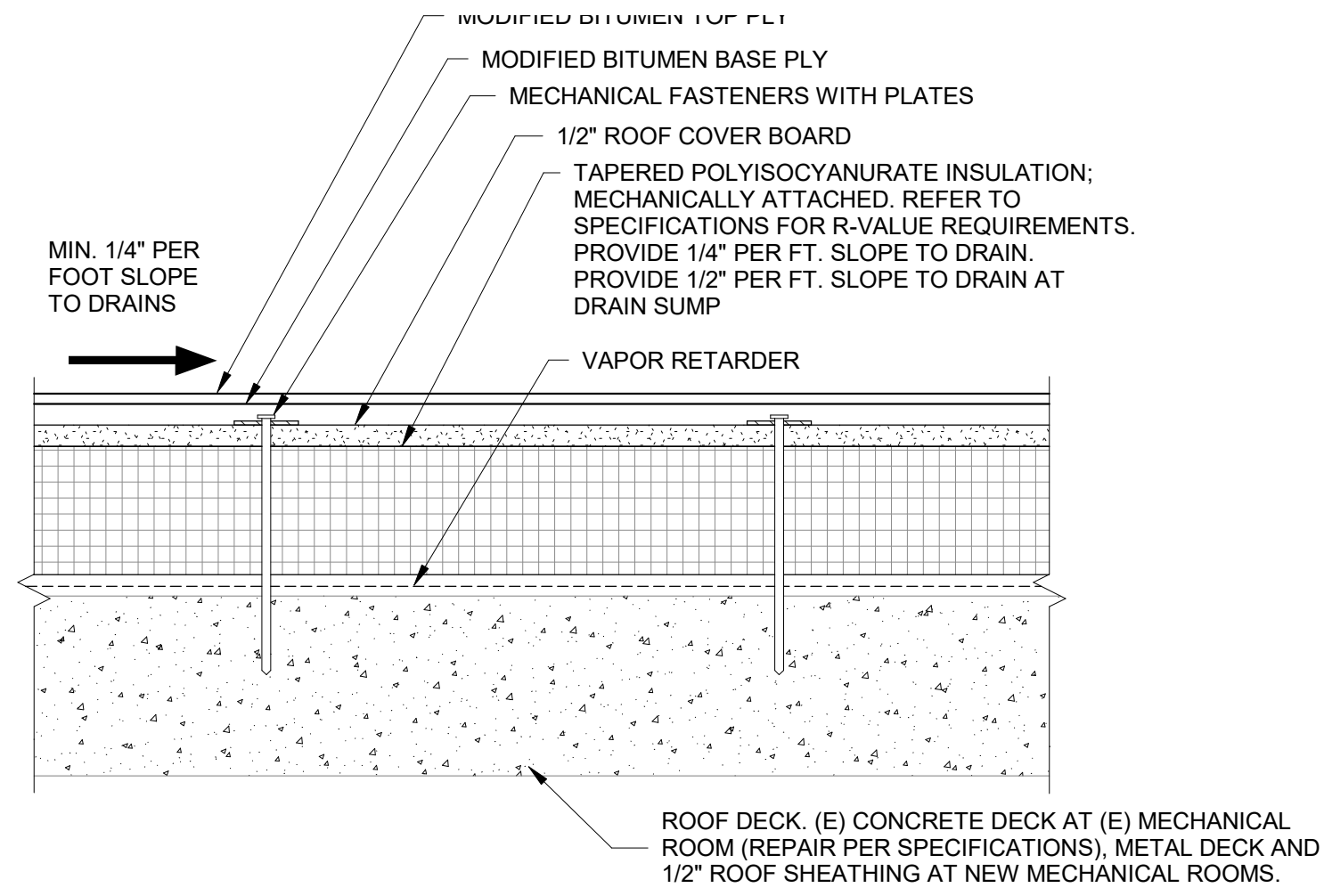


1 FULLER LAB EAST ELEVATION
 1/4" = 1'-0"

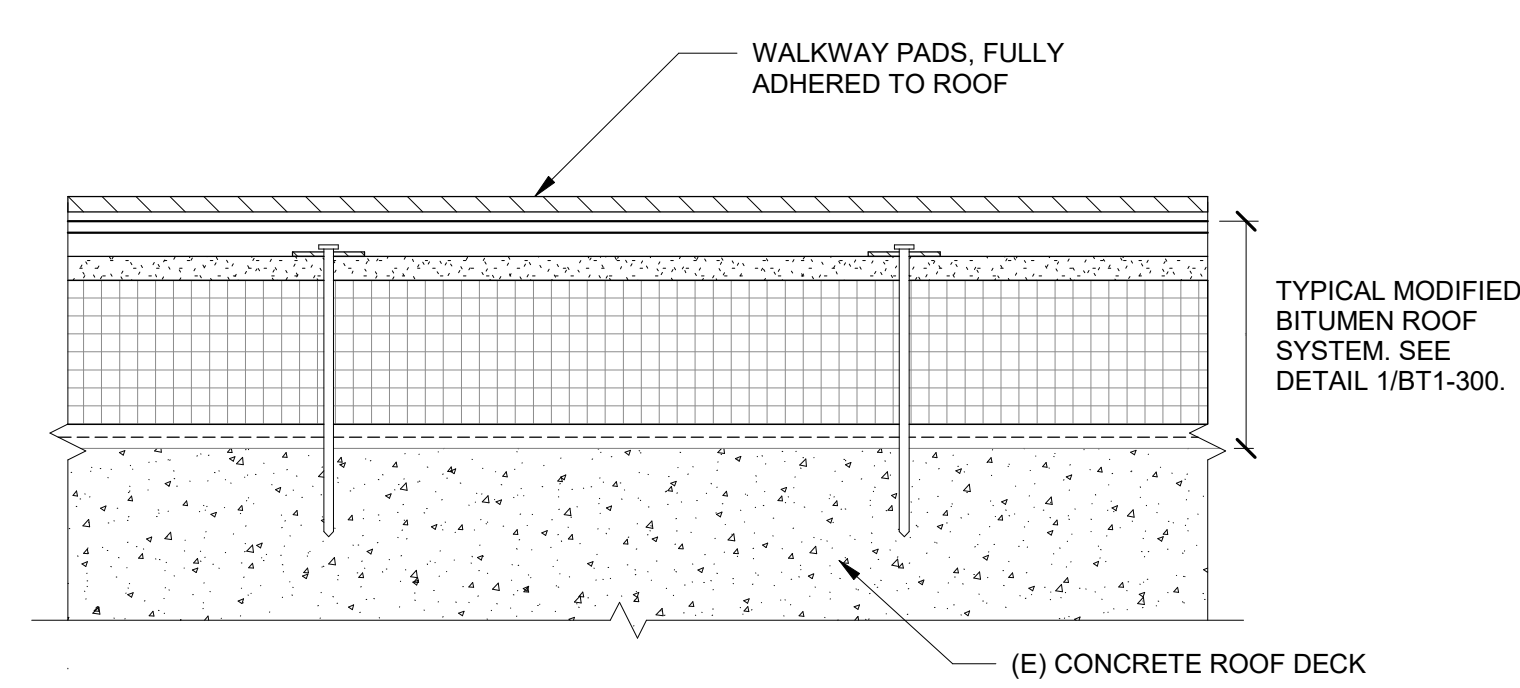


2 MULTISTORY METAL PANEL WALL ASSEMBLY ELEVATION
 3/4" = 1'-0"

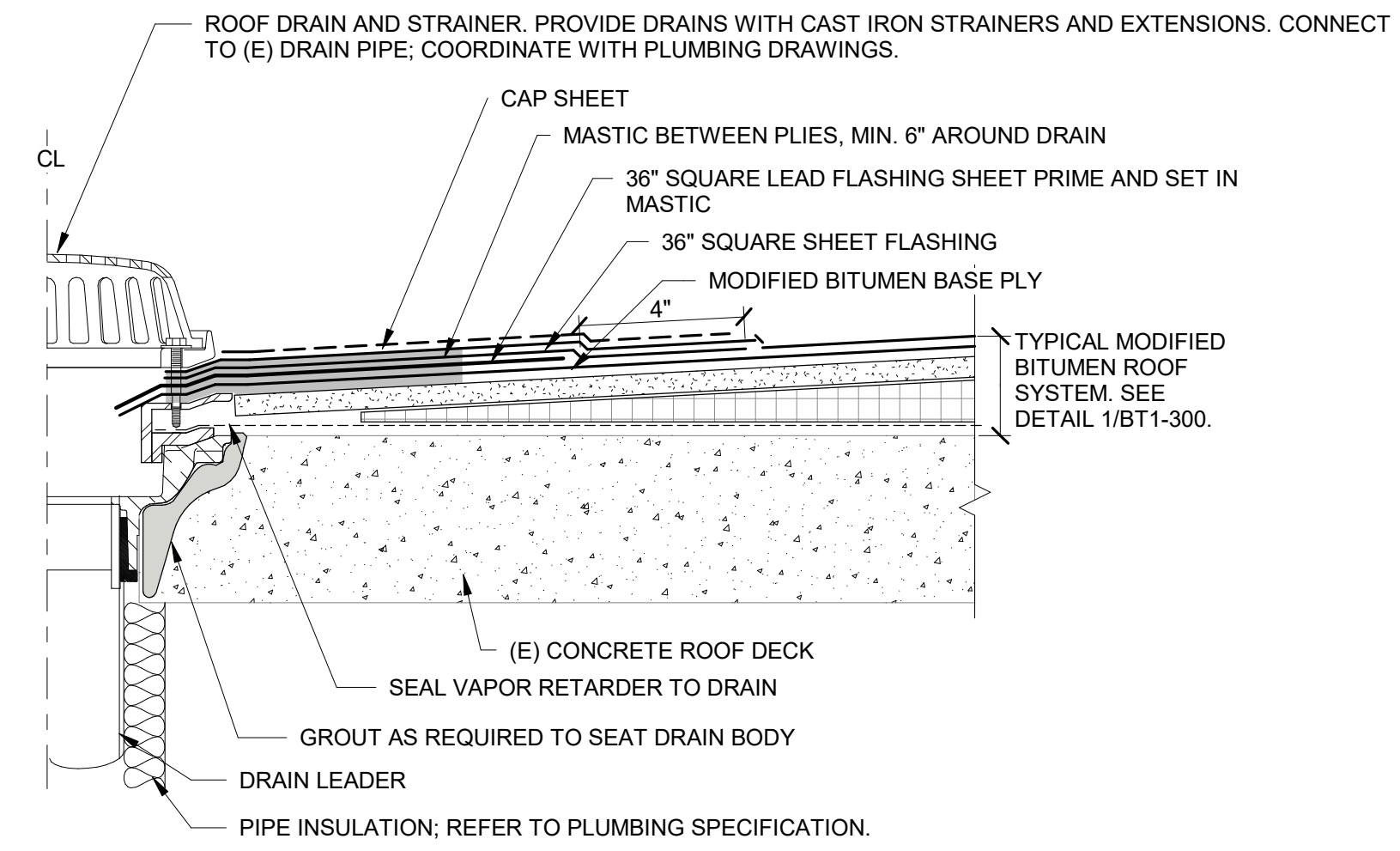
Phase 1, Complete per
Decision 22AUG2022



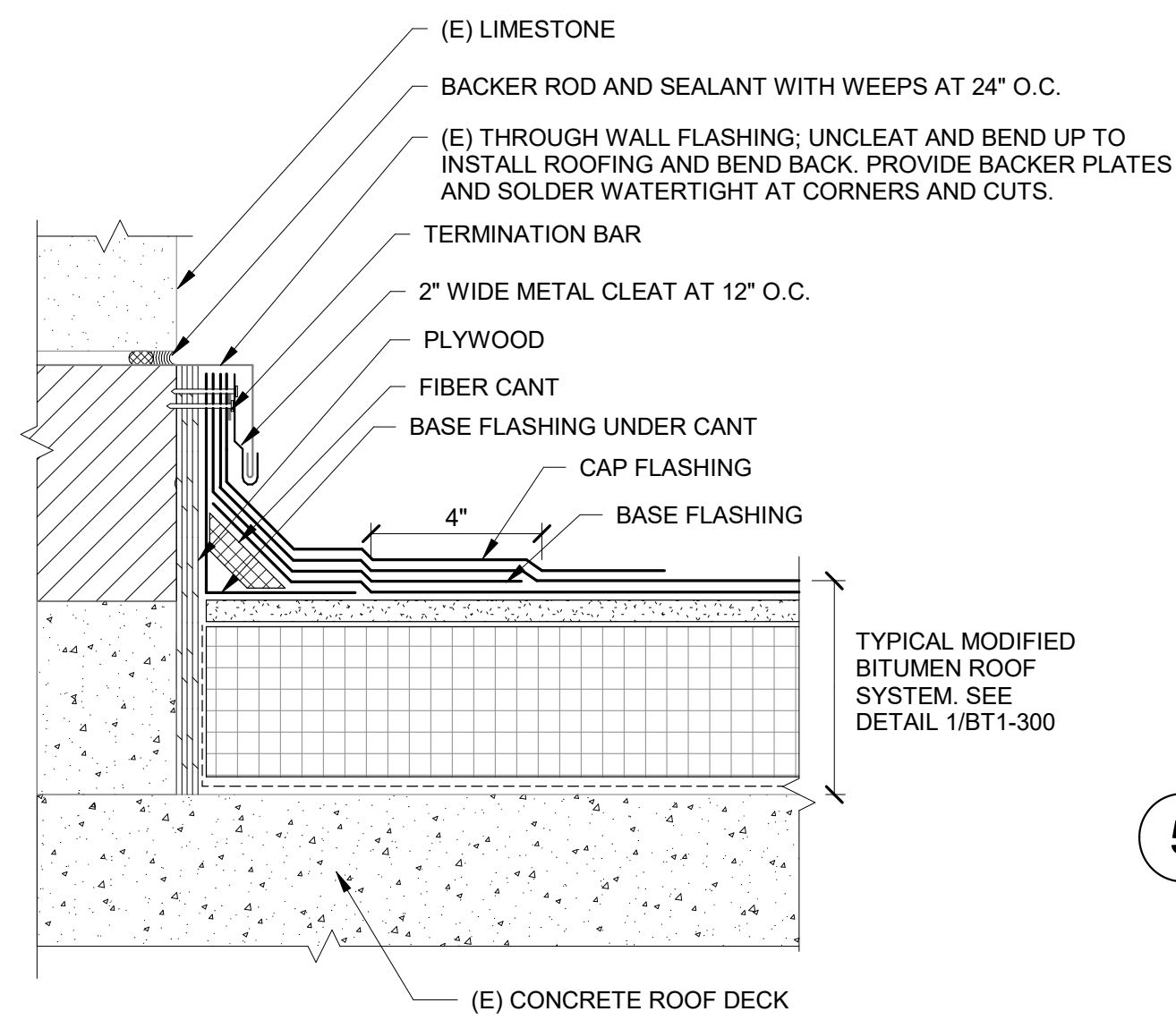
1 TYPICAL MODIFIED BITUMEN ROOFING ASSEMBLY
NTS



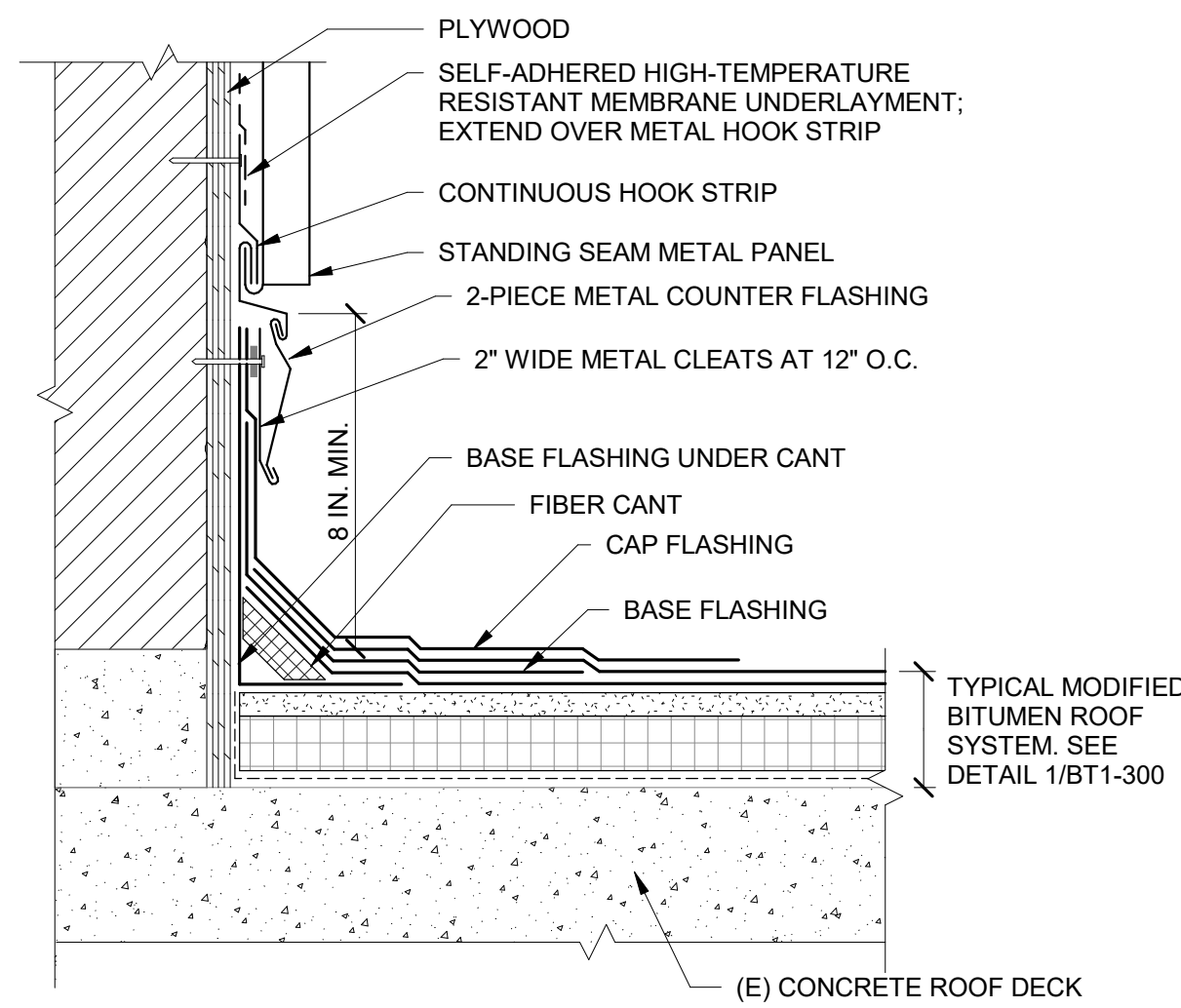
2 MODIFIED BITUMEN ROOFING WALKWAY PADS
NTS



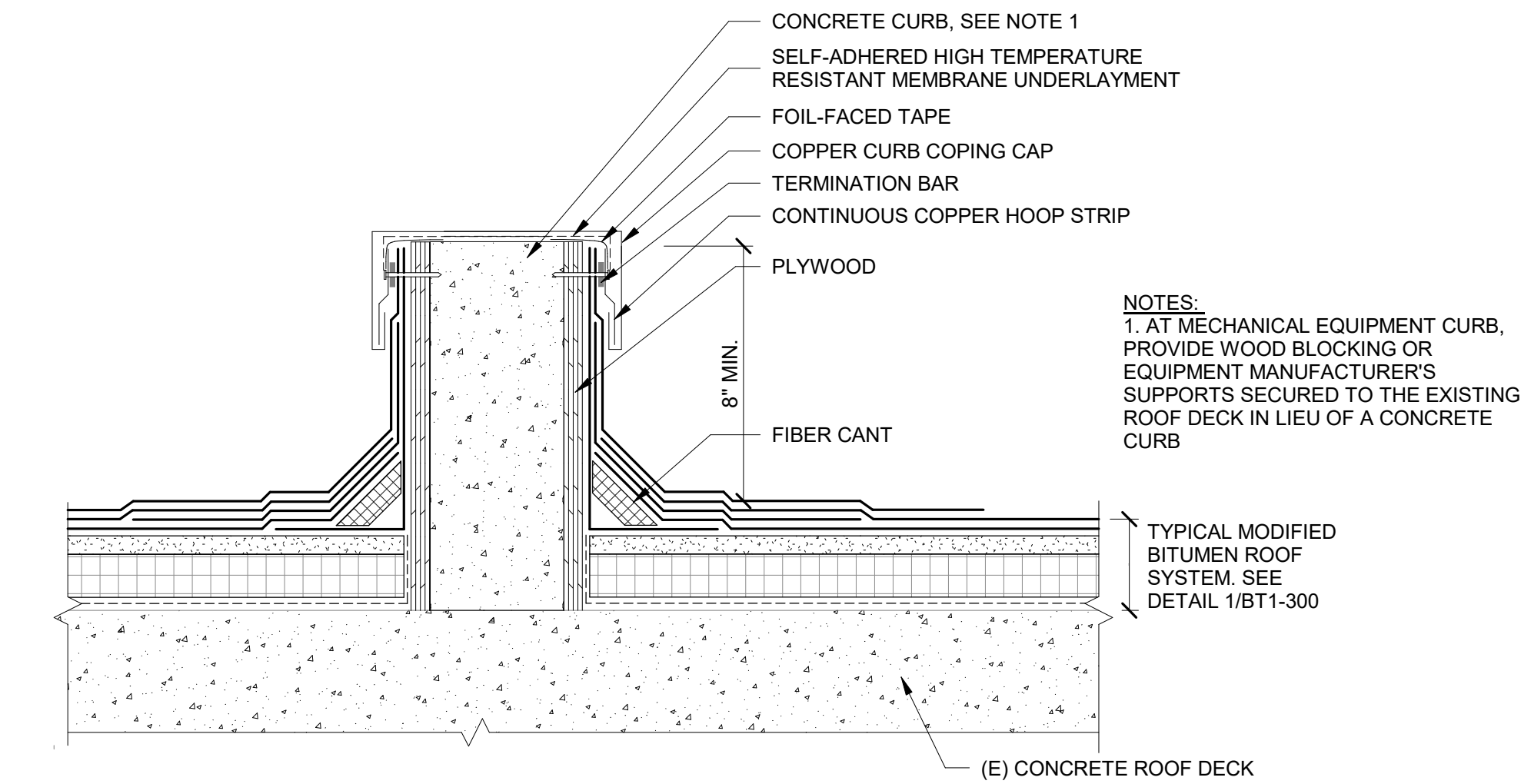
3 MODIFIED BITUMEN ROOF DRAIN
NTS



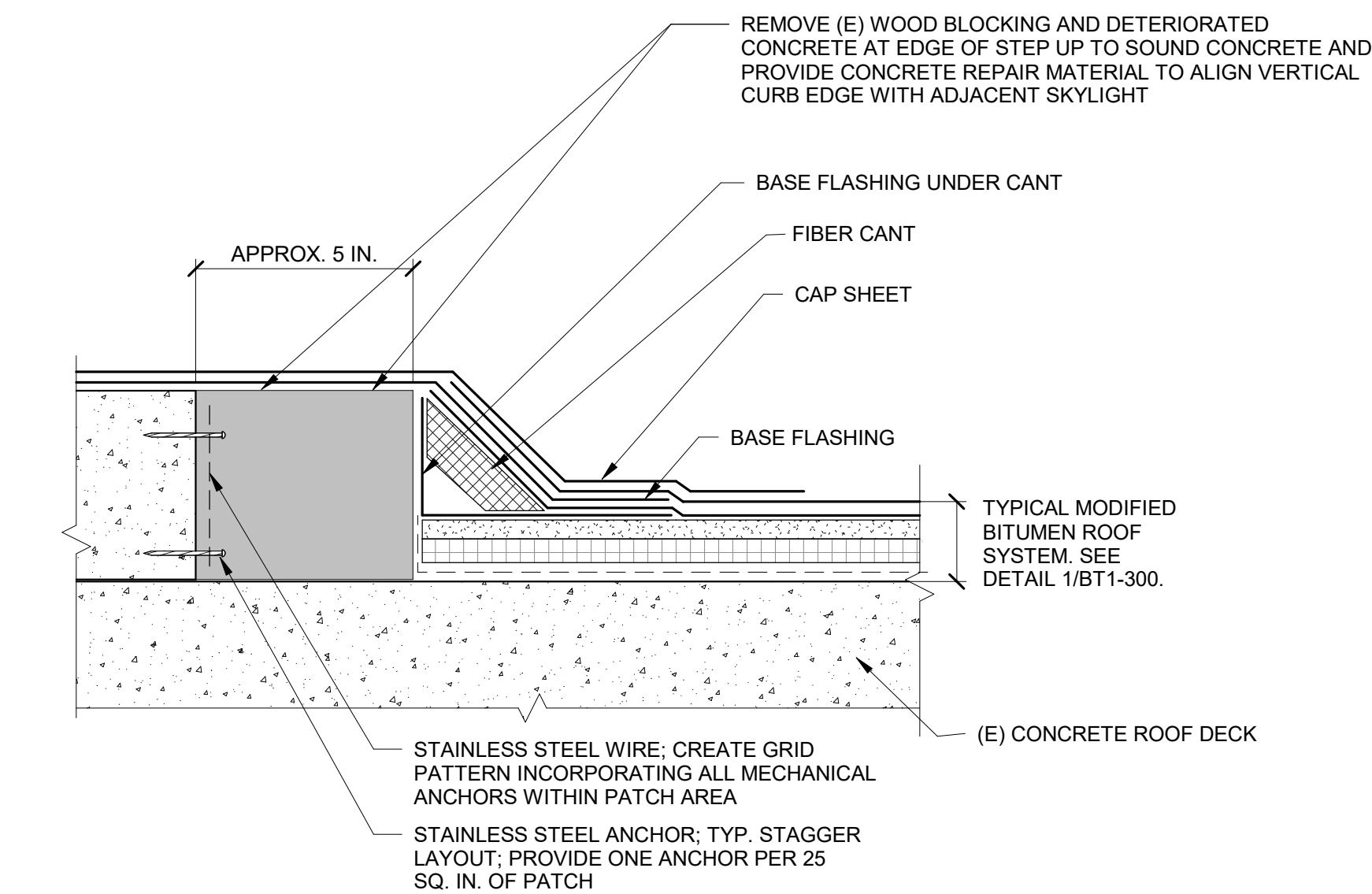
4 MODIFIED BITUMEN ROOF RISING WALL AT MASONRY
NTS



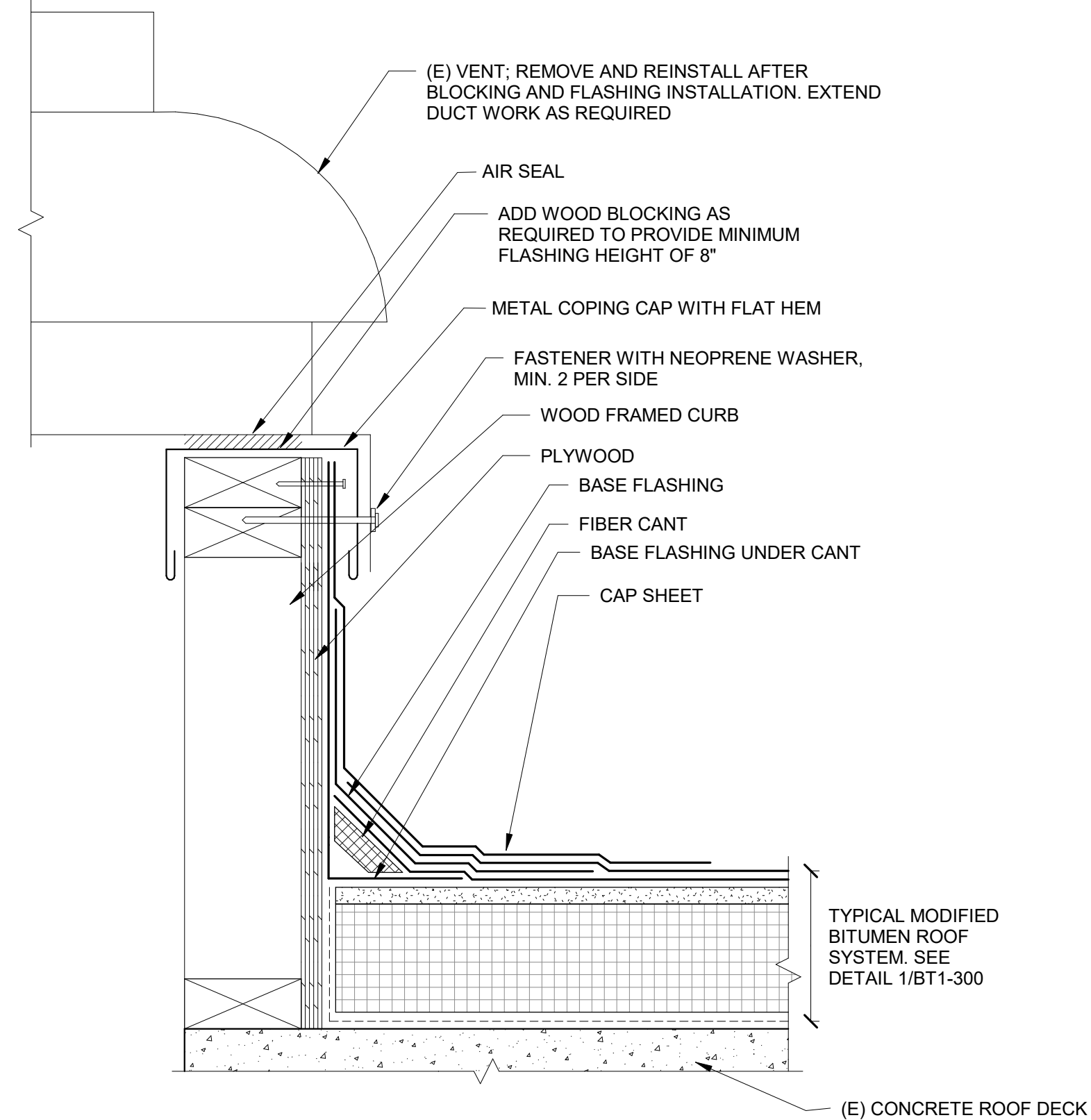
5 MODIFIED BITUMEN ROOF RISING WALL AT METAL CLADDING
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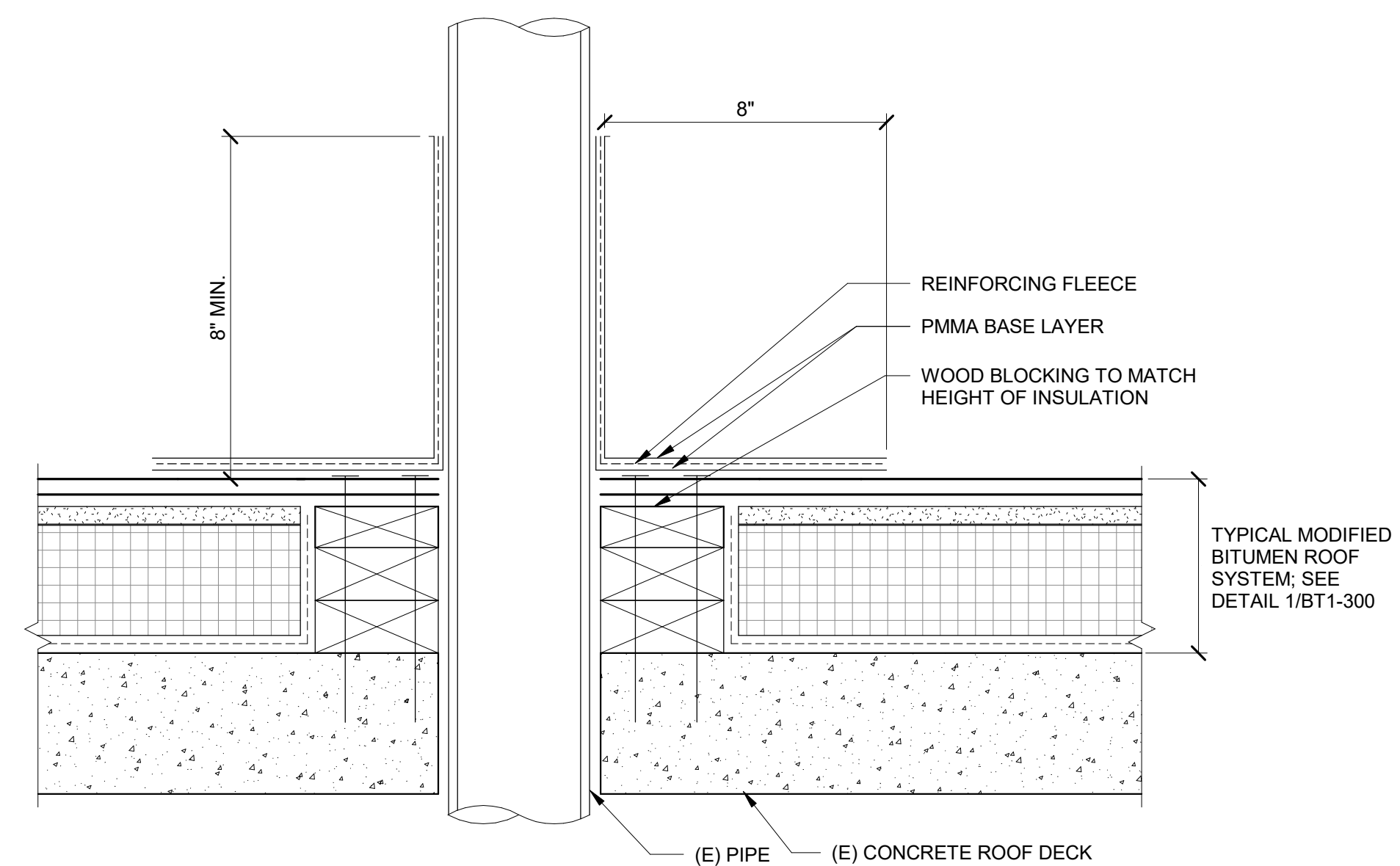
6 MODIFIED BITUMEN ROOF AT CURB
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7 MODIFIED BITUMEN ROOF STEP-UP FLASHING
NTS



8 MODIFIED BITUMEN ROOF FLASHING AT CURB
NTS

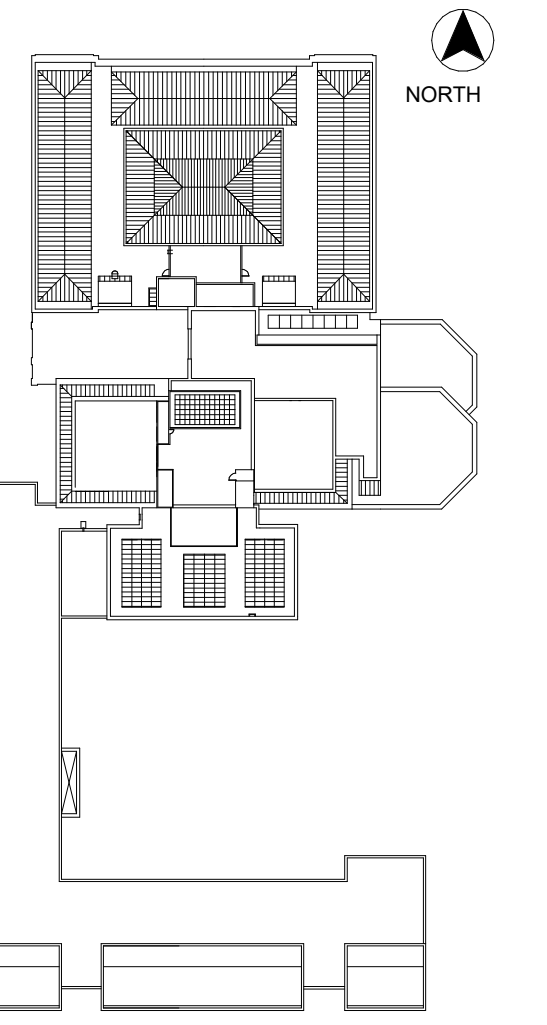


9 MODIFIED BITUMEN ROOF PIPE PENETRATION
NTS



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781.907.9000

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KEY PLAN

No.	Date	Description	By
5	7/22/22	PHASE 1 AND 2 - PERMIT SET	
4	03/31/22	PHASE 3 - 90% CDs	
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1930s Building Roof & Fuller
Lab Envelope
Improvements
WORCESTER ART MUSEUM
WORCESTER, MA

Project

PHASE 1
MODIFIED BITUMEN ROOF
DETAILS

Drawing Title

Project No. 210608.00	Checked CCW	Date 7/22/2022
Drawn KEM/BBS/MAW	Approved JSD	Scale As indicated

Drawing No.

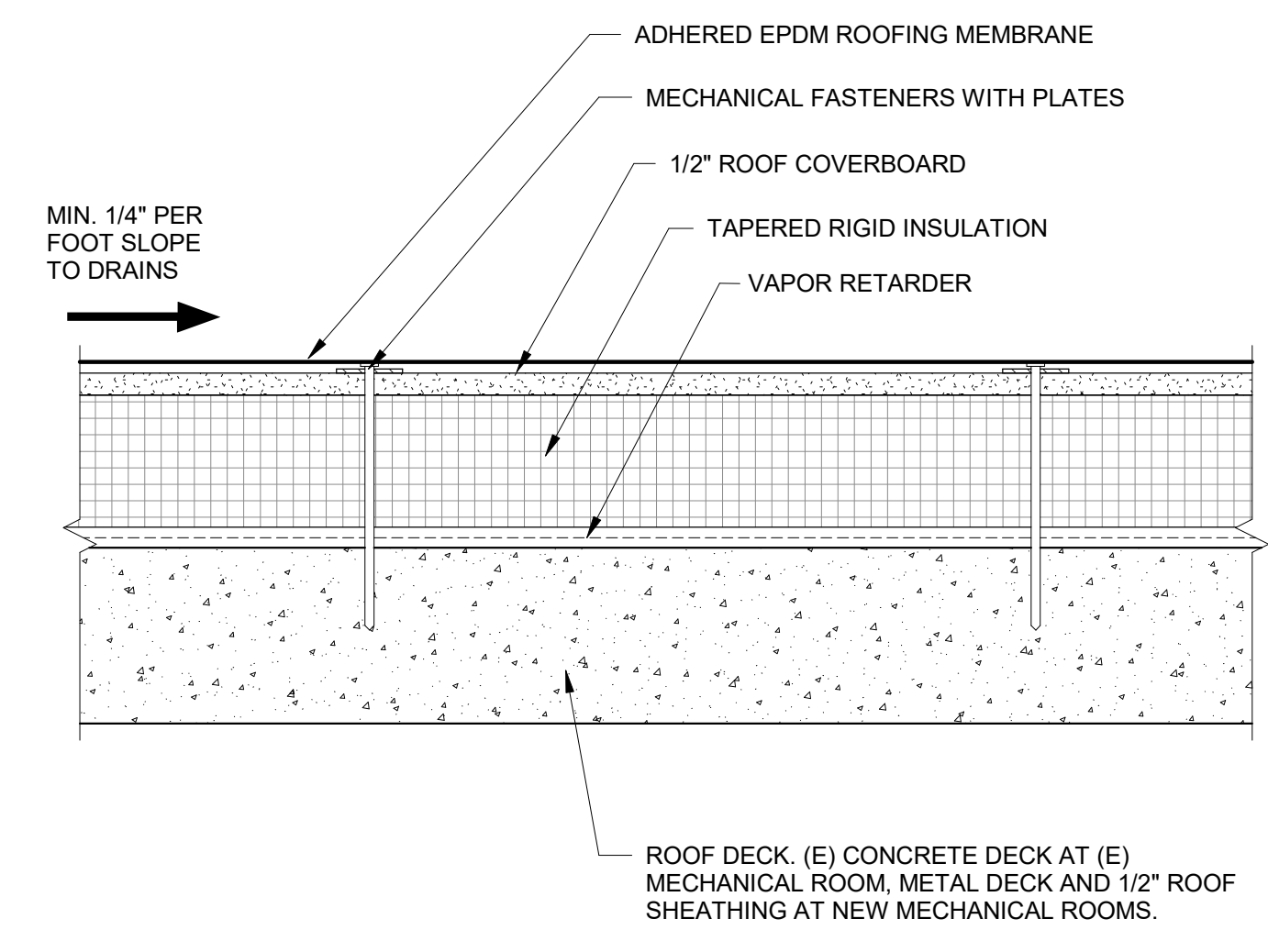
BT1-300

Seal

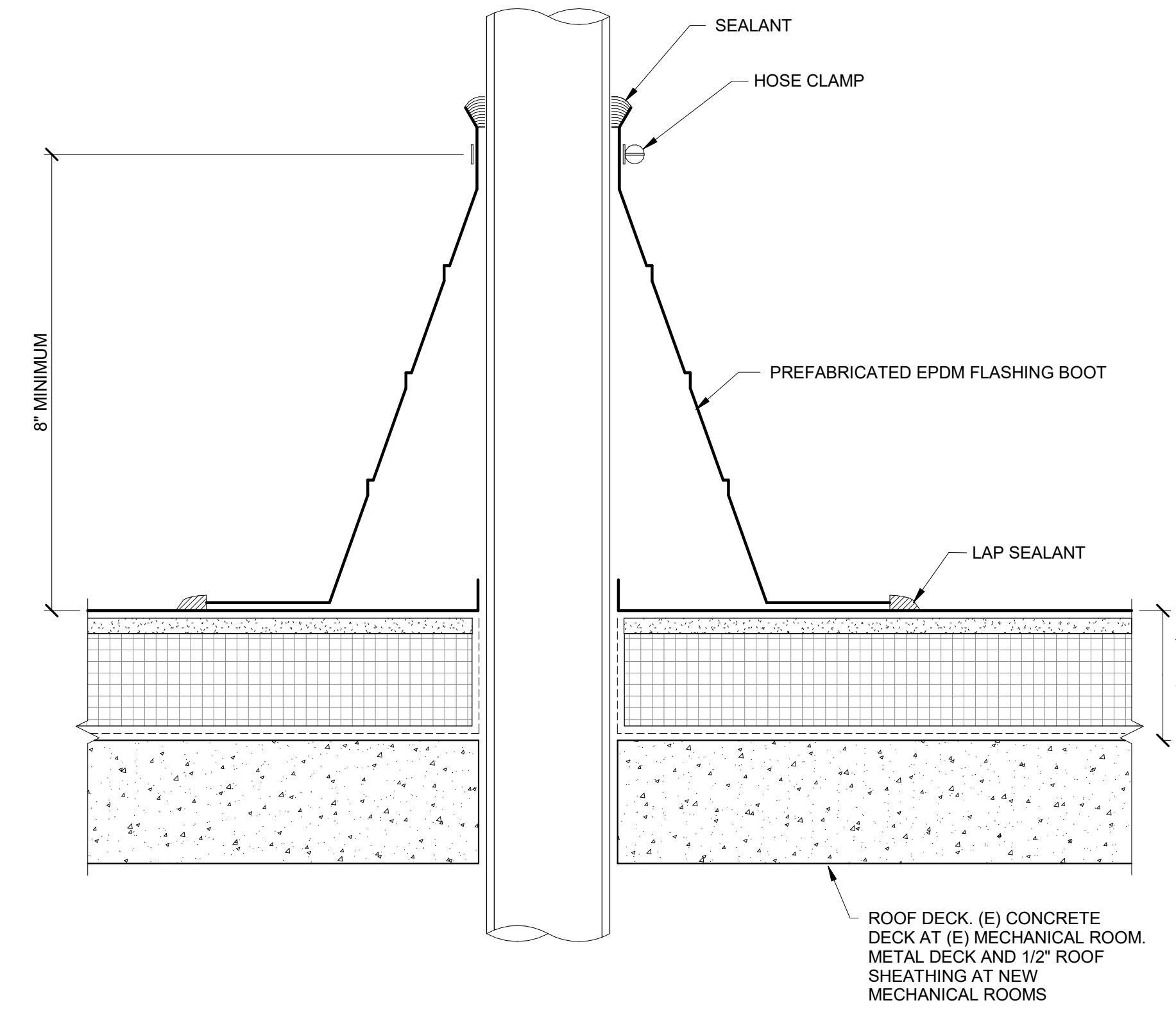
Phase 1, Complete per
Decision 22AUG2022



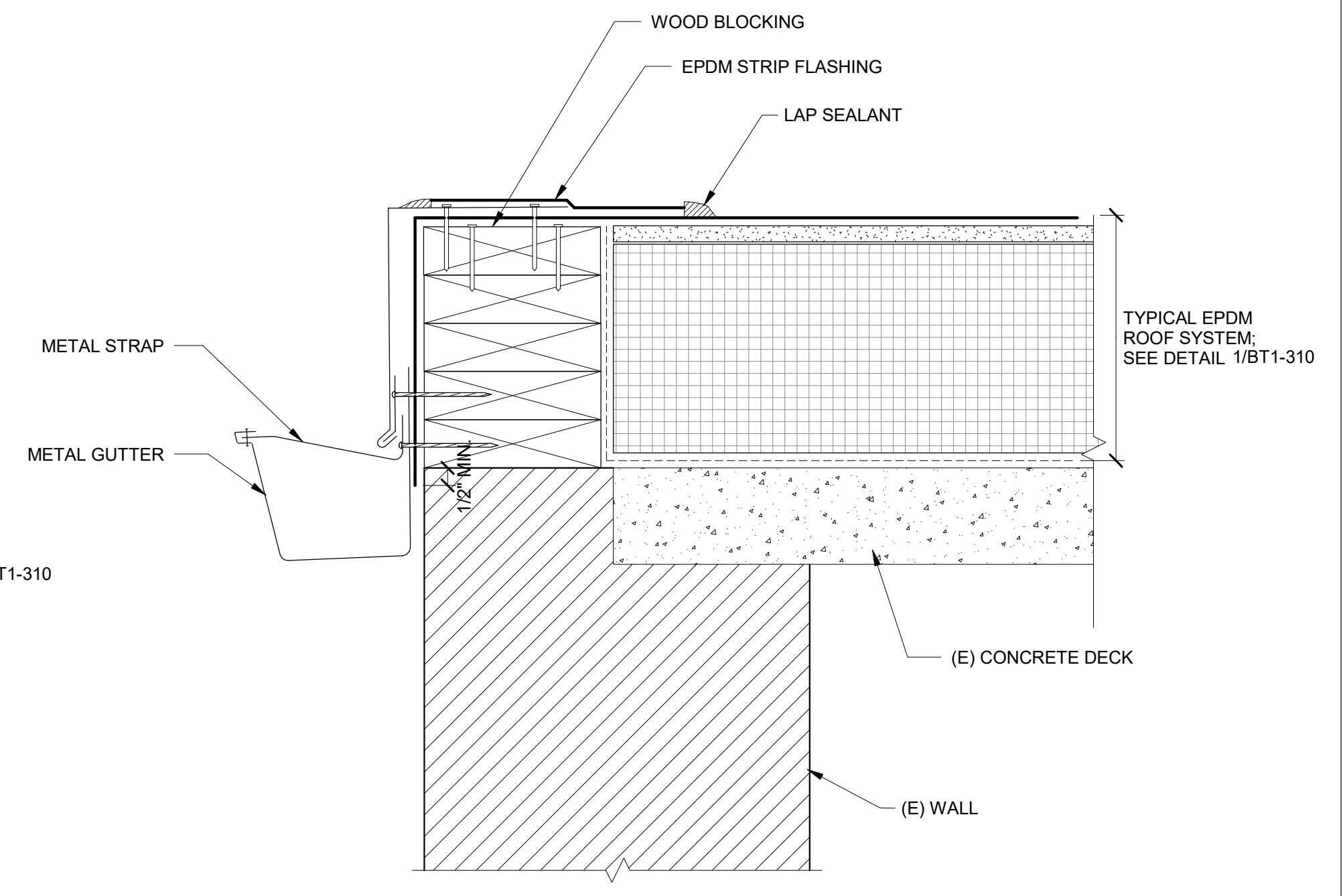
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Waltham, MA 02451
781.907.9000
sgh.com



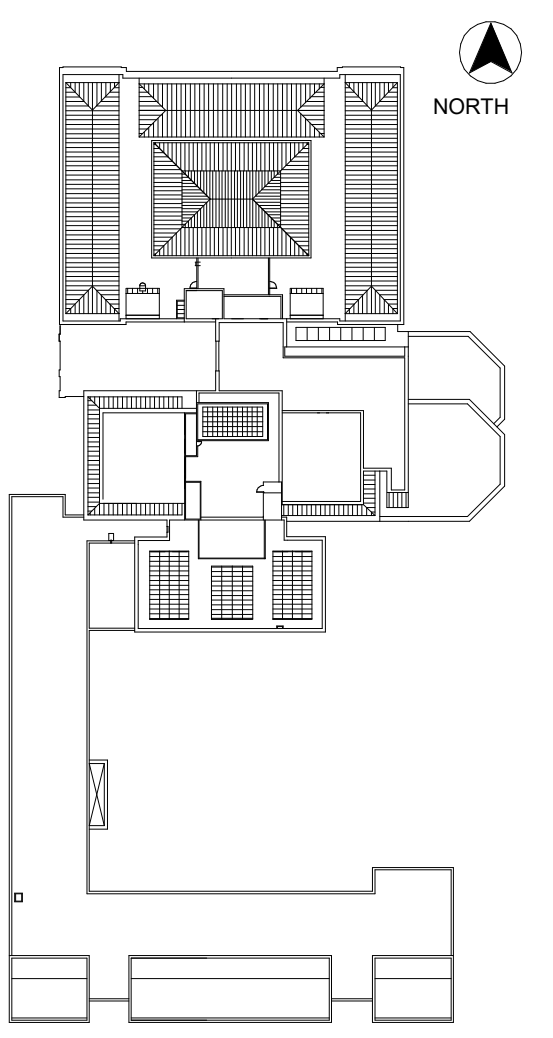
1 TYPICAL EPDM ROOFING SYSTEM
NTS



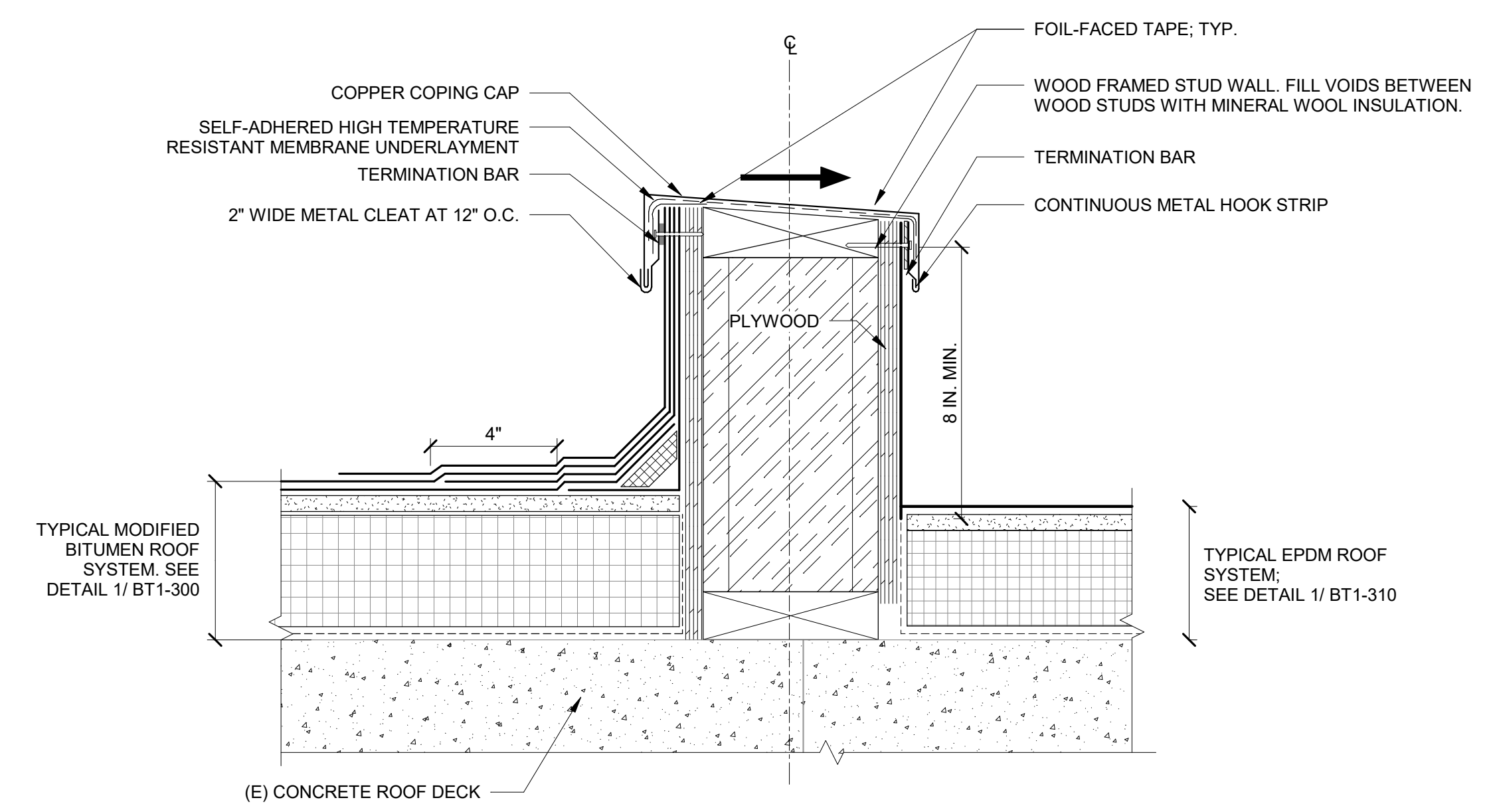
2 EPDM ROOF PIPE PENETRATION
NTS



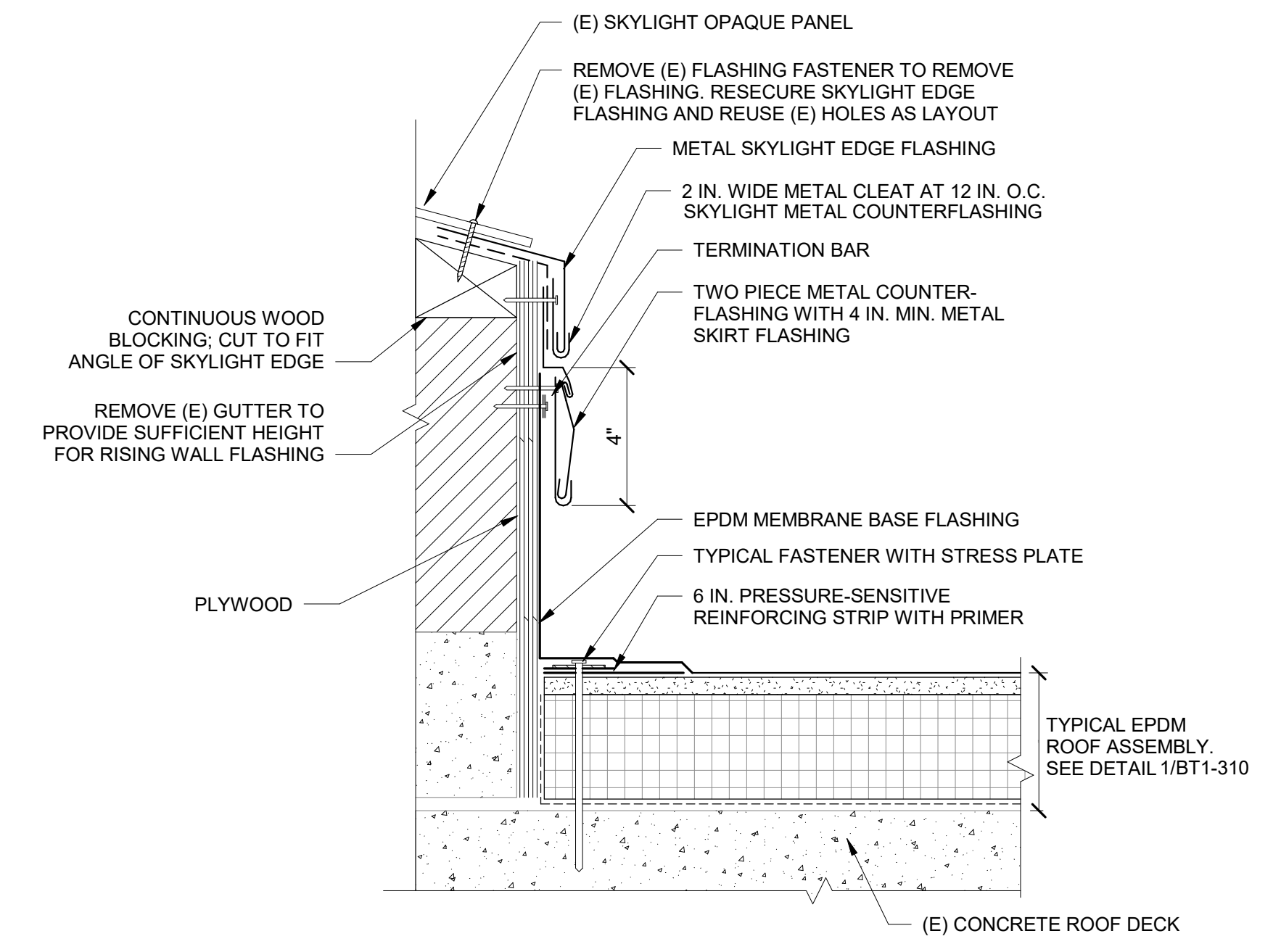
3 EPDM ROOF EDGE
NTS



KEY PLAN



4 MODIFIED BITUMEN TO EPDM RISING CURB
NTS



5 MODIFIED BITUMEN TO SKYLIGHT GUTTER TRANSITION
NTS

No.	Date	Description	By
5	7/22/22	PHASE 1 AND 2 - PERMIT SET	
4	03/31/22	PHASE 3 - 90% CDs	
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**1930s Building Roof & Fuller
Lab Envelope
Improvements**
WORCESTER ART MUSEUM
WORCESTER, MA

Project
PHASE 1
EPDM ROOF DETAILS

Project No. 210608.00	Checked CCW	Date 7/22/2022
Drawn KEM/BBS/MAW	Approved JSD	Scale As indicated

Drawing No.
BT1-310

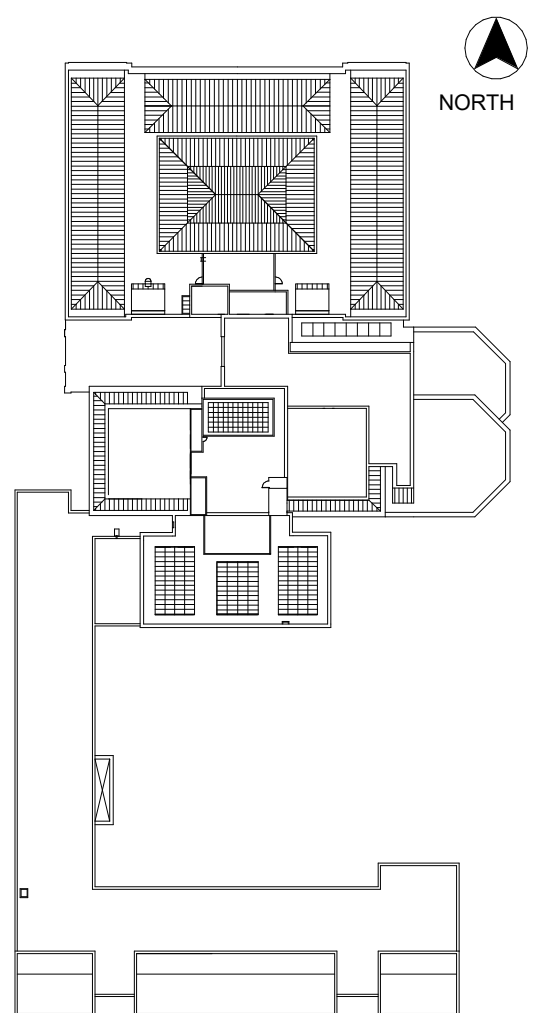
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Phase 1, Complete per
Decision 22AUG2022

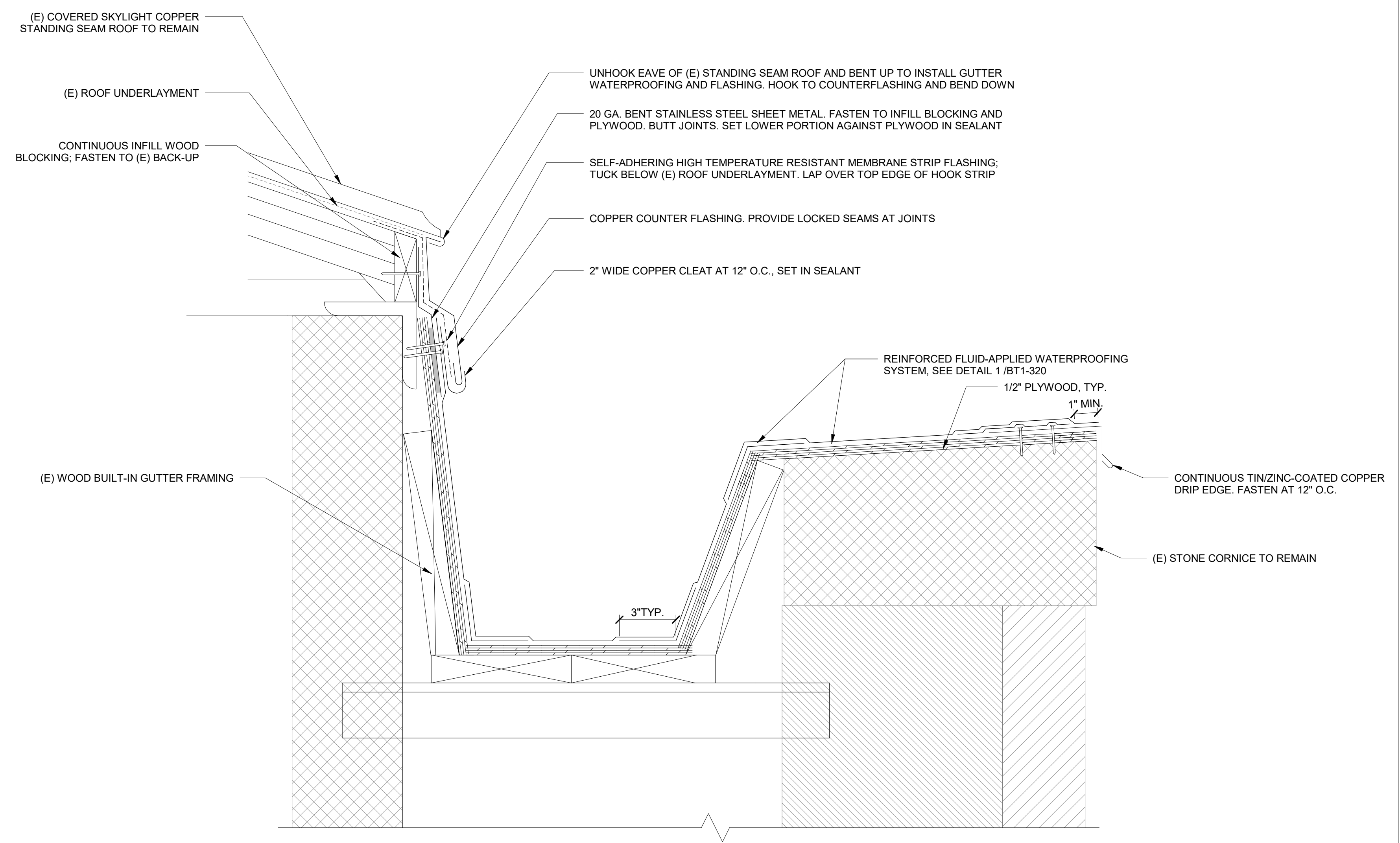


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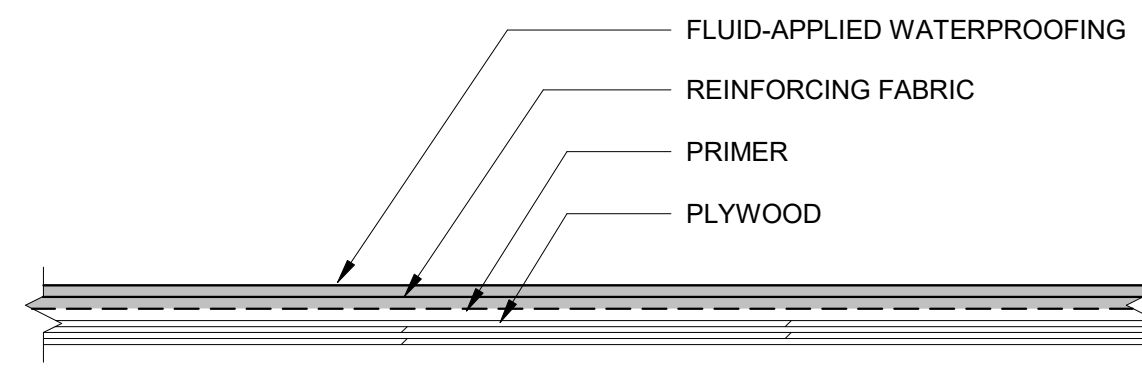
sgh.com



KEY PLAN



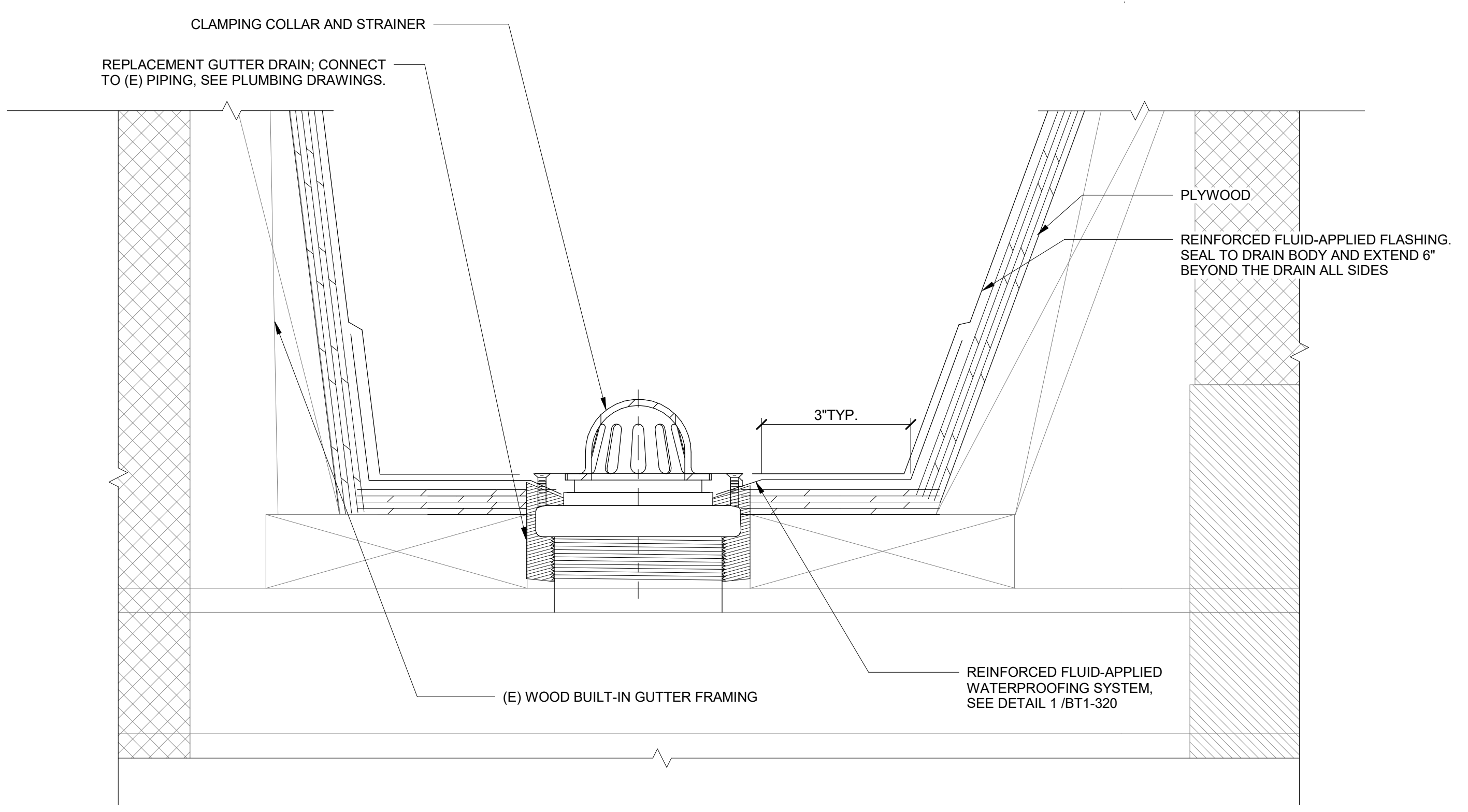
NOTES:
1. SLOPE PLYWOOD AT BASE OF GUTTER 1/4 IN. PER FOOT DRAIN MIN.



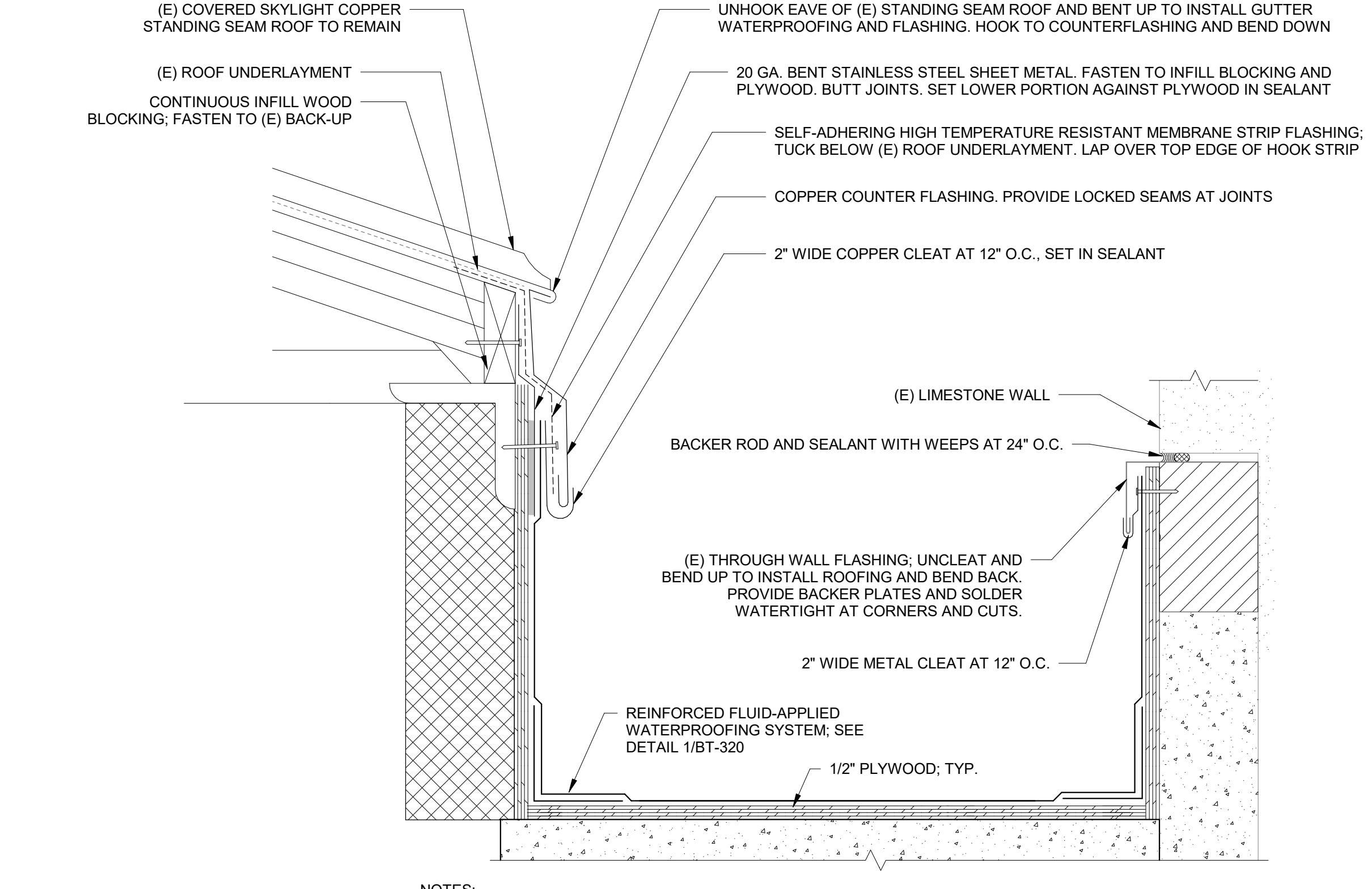
NOTES:
1. PROVIDE REINFORCED FLUID-APPLIED WATERPROOFING STRIP FLASHING AT ALL PLYWOOD JOINTS.
2. SEE SPECIFICATION FOR ADDITIONAL SURFACE PREPARATION REQUIREMENTS.

1 TYPICAL REINFORCED FLUID-APPLIED WATERPROOFING SYSTEM
NTS

2 BUILT IN GUTTER AT ROOF EDGE
NTS



3 BUILT-IN GUTTER DRAIN
NTS



NOTES:
1. SLOPE PLYWOOD AT BASE OF GUTTER 1/4 IN. PER FOOT DRAIN MIN.

4 BUILT-IN GUTTER BETWEEN SKYLIGHTS
NTS

No.	Date	Description	By
5	7/22/22	PHASE 1 AND 2 - PERMIT SET	
4	03/31/22	PHASE 3 - 90% CDs	
3	02/11/22	PHASE 1 AND 2 BID SET	
2	12/16/21	50% CONSTRUCTION DOCUMENTS	
1	10/28/21	100% DESIGN DEVELOPMENT	

1930s Building Roof & Fuller Lab Envelope Improvements
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WORCESTER, MA

Project

PHASE 1
BUILT-IN GUTTER AND FLASHING DETAILS

Drawing Title

Project No. 210608.00	Checked CCW	Date 7/22/2022
Drawn KEM/BBS/MAW	Approved JSD	Scale As indicated

Drawing No.

BT1-320

Seal

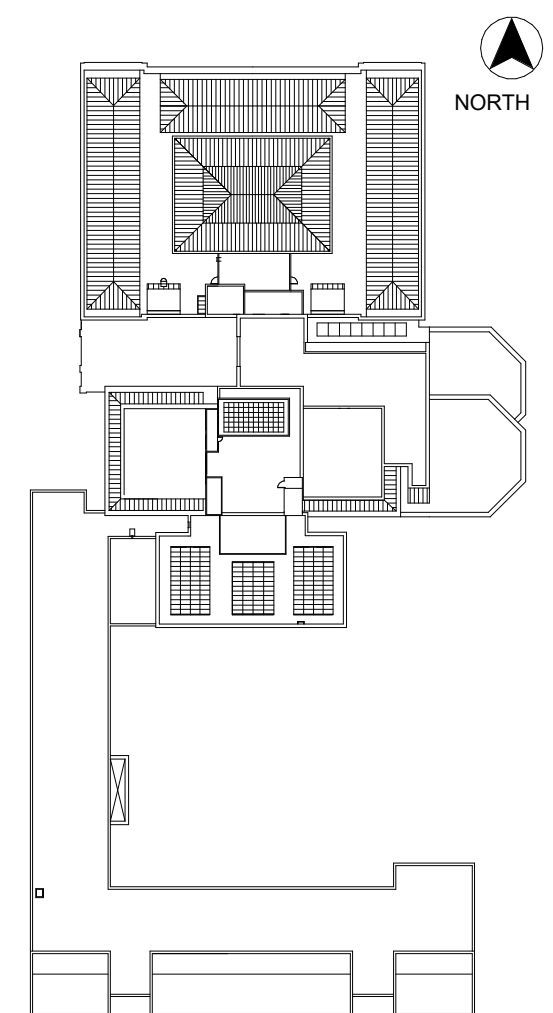
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Phase 1, Complete per
Decision 22AUG2022

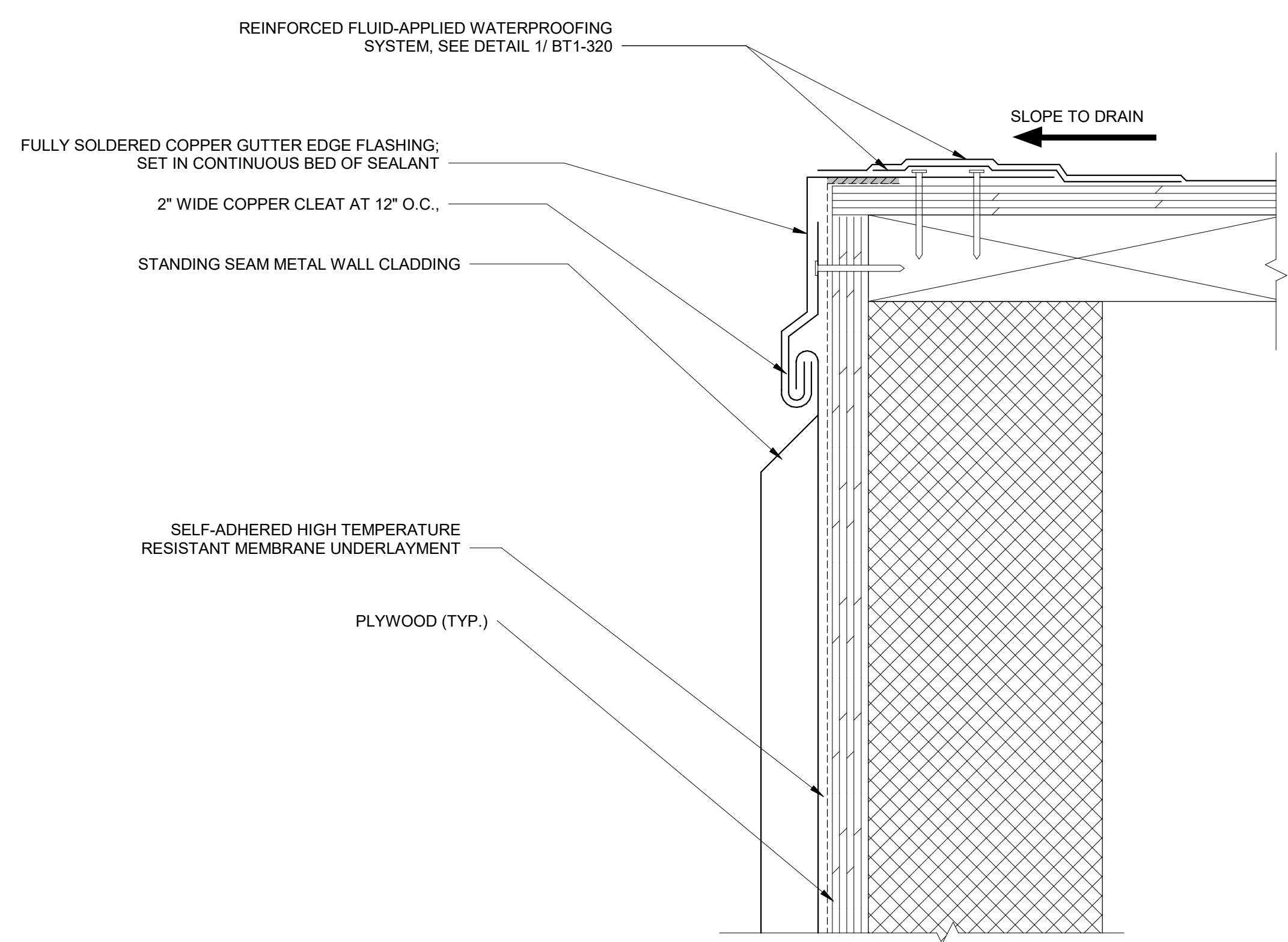


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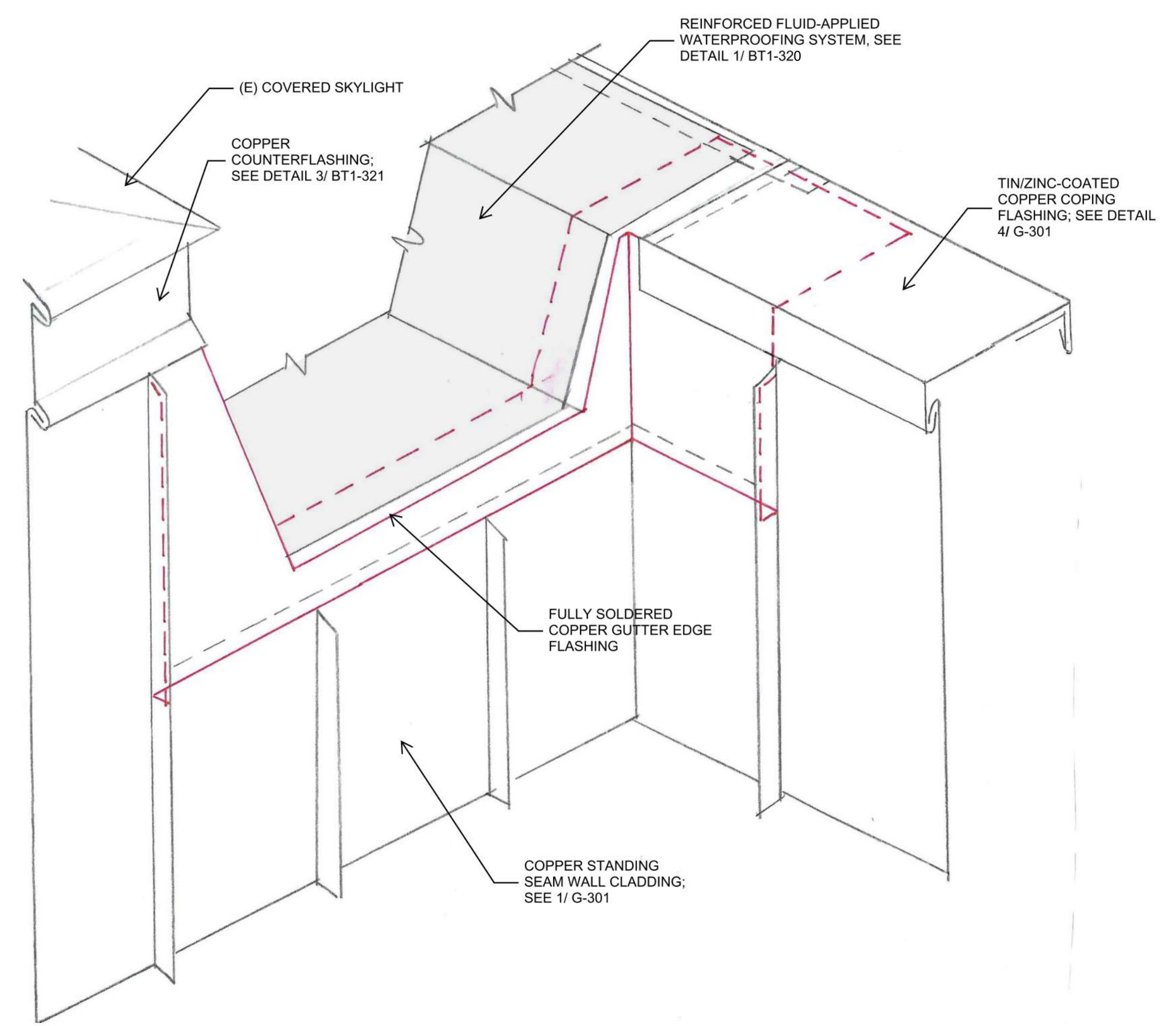
sgh.com



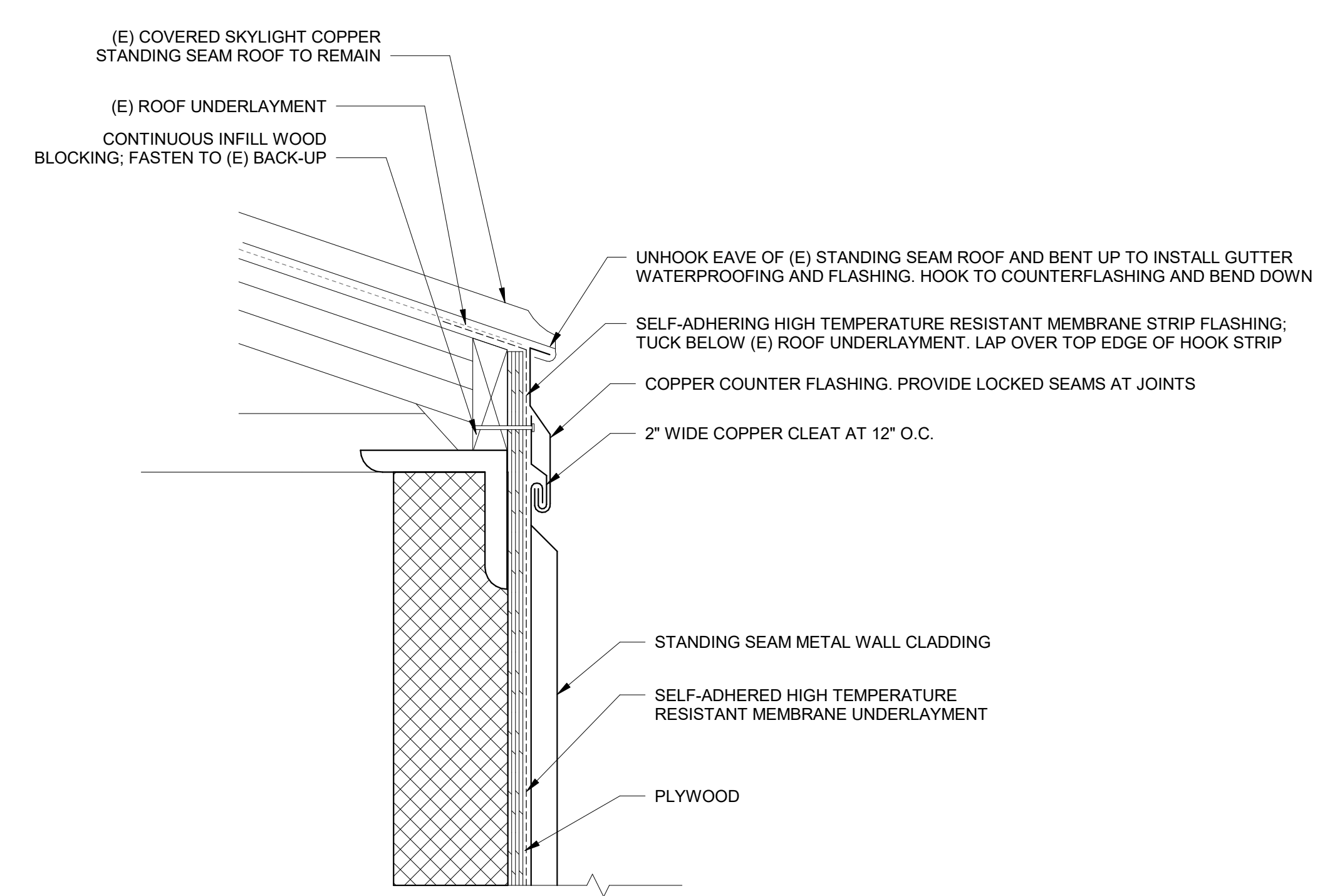
KEY PLAN



1 FLUID-APPLIED WATERPROOFING TO METAL PANEL TRANSITION
6" = 1'-0"



2 GUTTER TRANSITION TO STANDING SEAM CLADDING
NTS



3 TYPICAL STANDING SEAM COVERED SKYLIGHT EDGE
NTS

No.	Date	Description	By
5	7/22/22	PHASE 1 AND 2 - PERMIT SET	
4	03/31/22	PHASE 3 - 90% CDs	
3	02/11/22	PHASE 1 AND 2 BID SET	
2	12/16/21	50% CONSTRUCTION DOCUMENTS	
1	10/28/21	100% DESIGN DEVELOPMENT	

**1930s Building Roof & Fuller
Lab Envelope
Improvements**
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WORCESTER, MA

Project

PHASE 1
**BUILT-IN GUTTER AND
FLASHING DETAILS**

Drawing Title

Project No. 210608.00	Checked CCW	Date 7/22/2022
Drawn KEM/BBS/MAW	Approved JSD	Scale As indicated

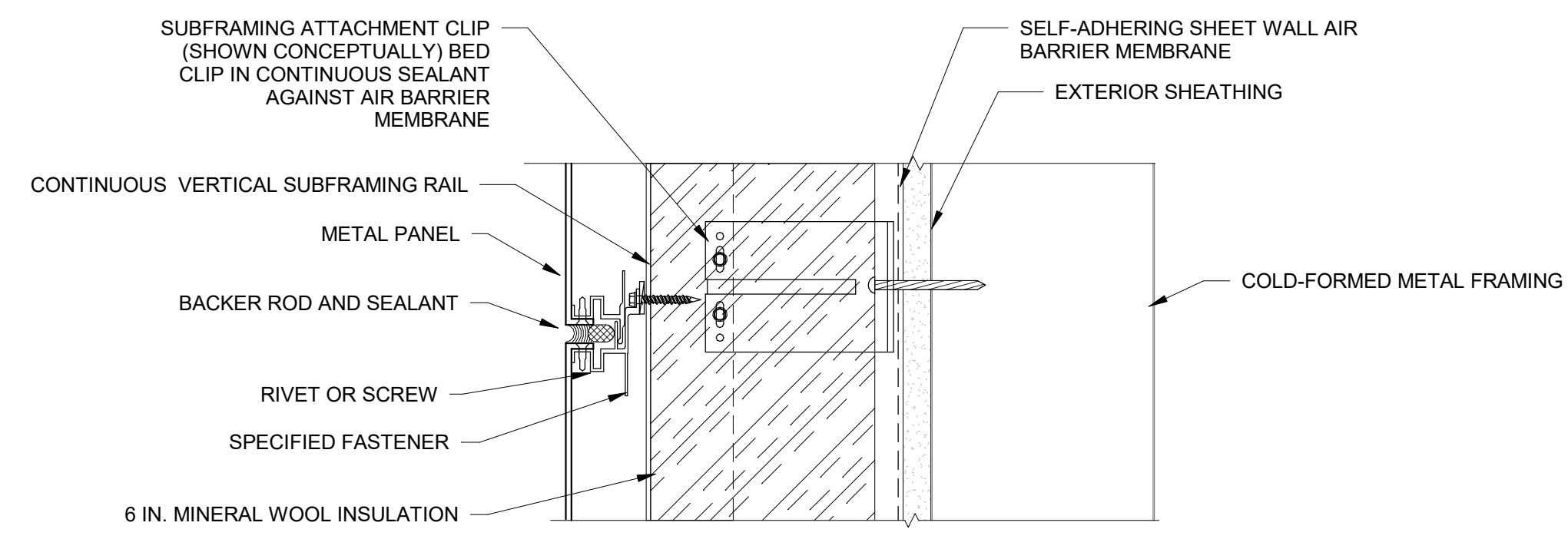
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BT1-321

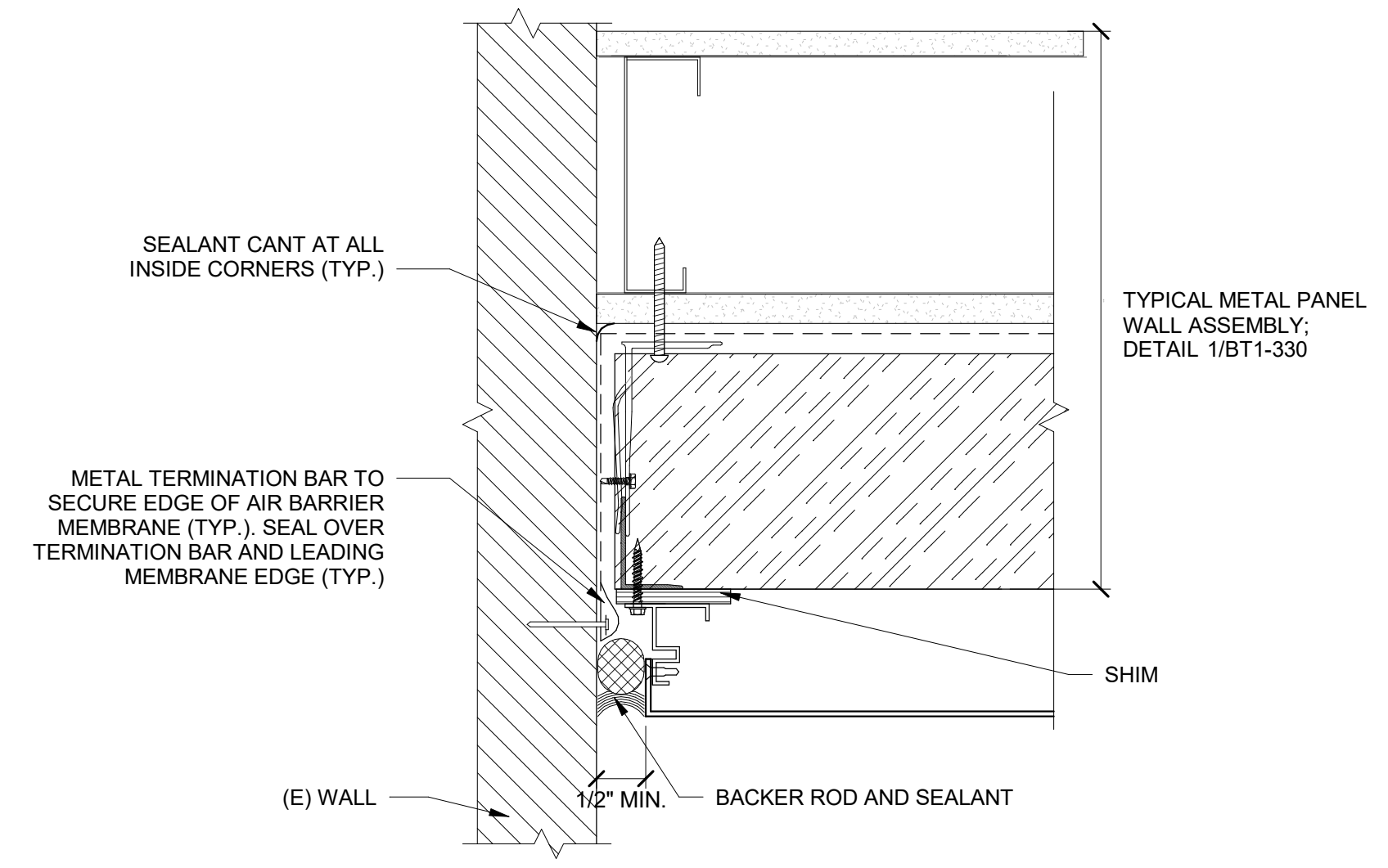
Seal

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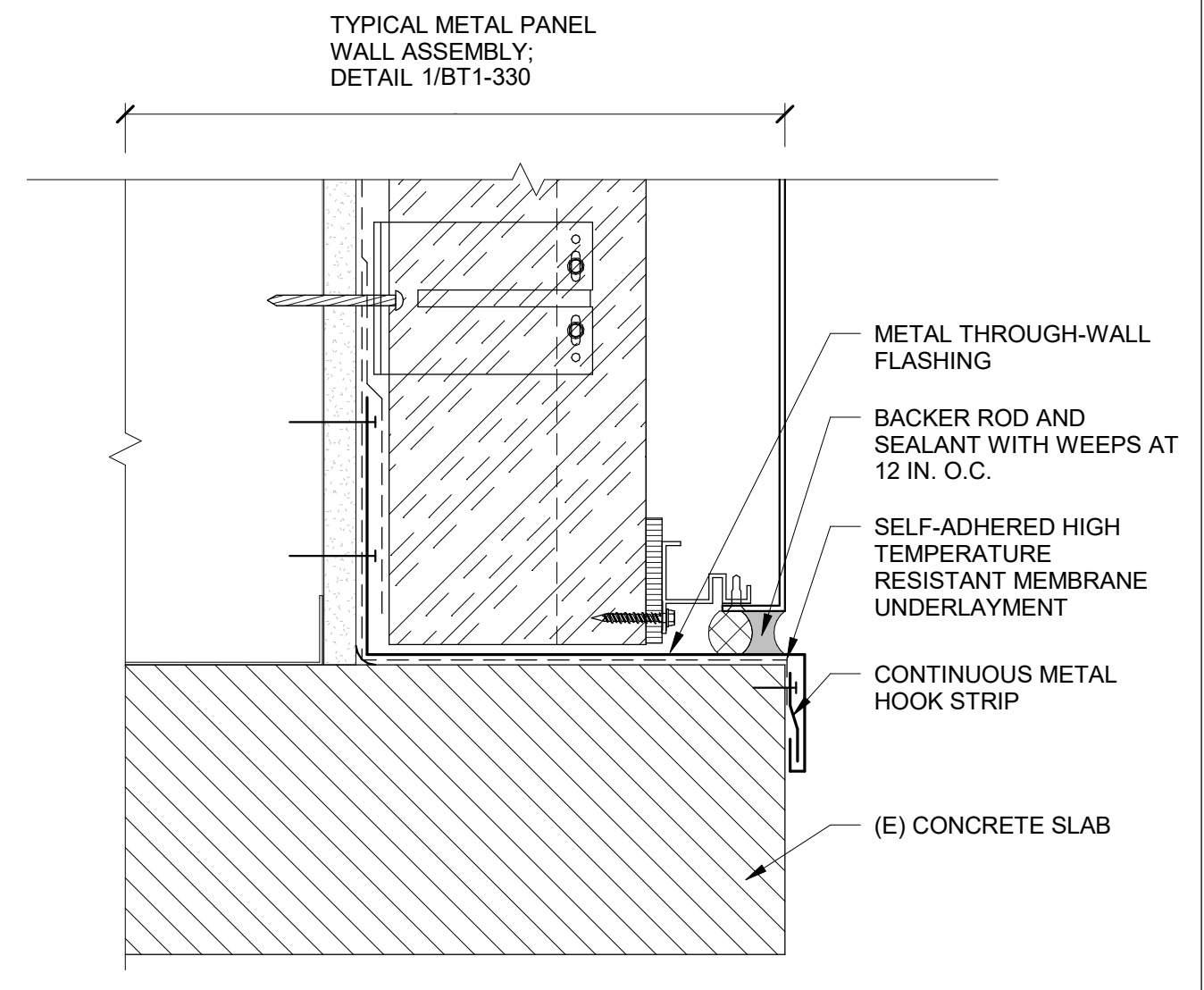
Phase 1, Complete per
Decision 22AUG2022



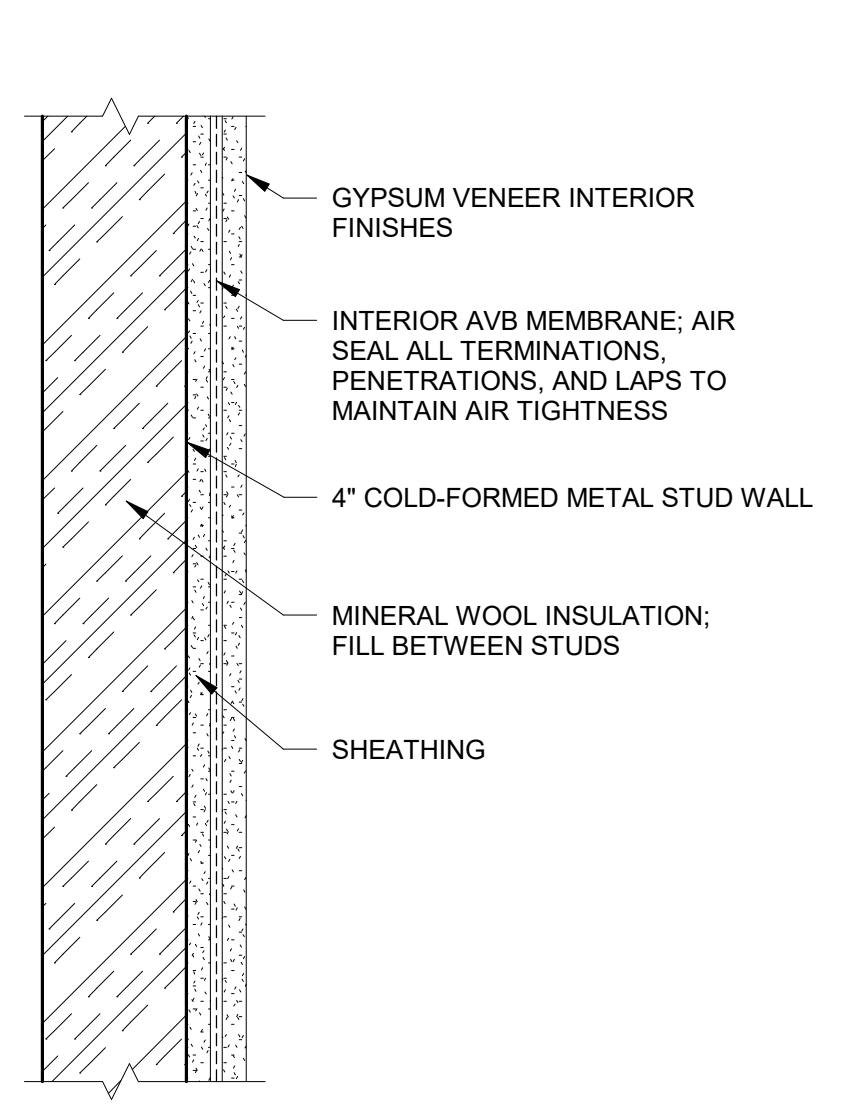
1 METAL PANEL WALL ASSEMBLY
NTS



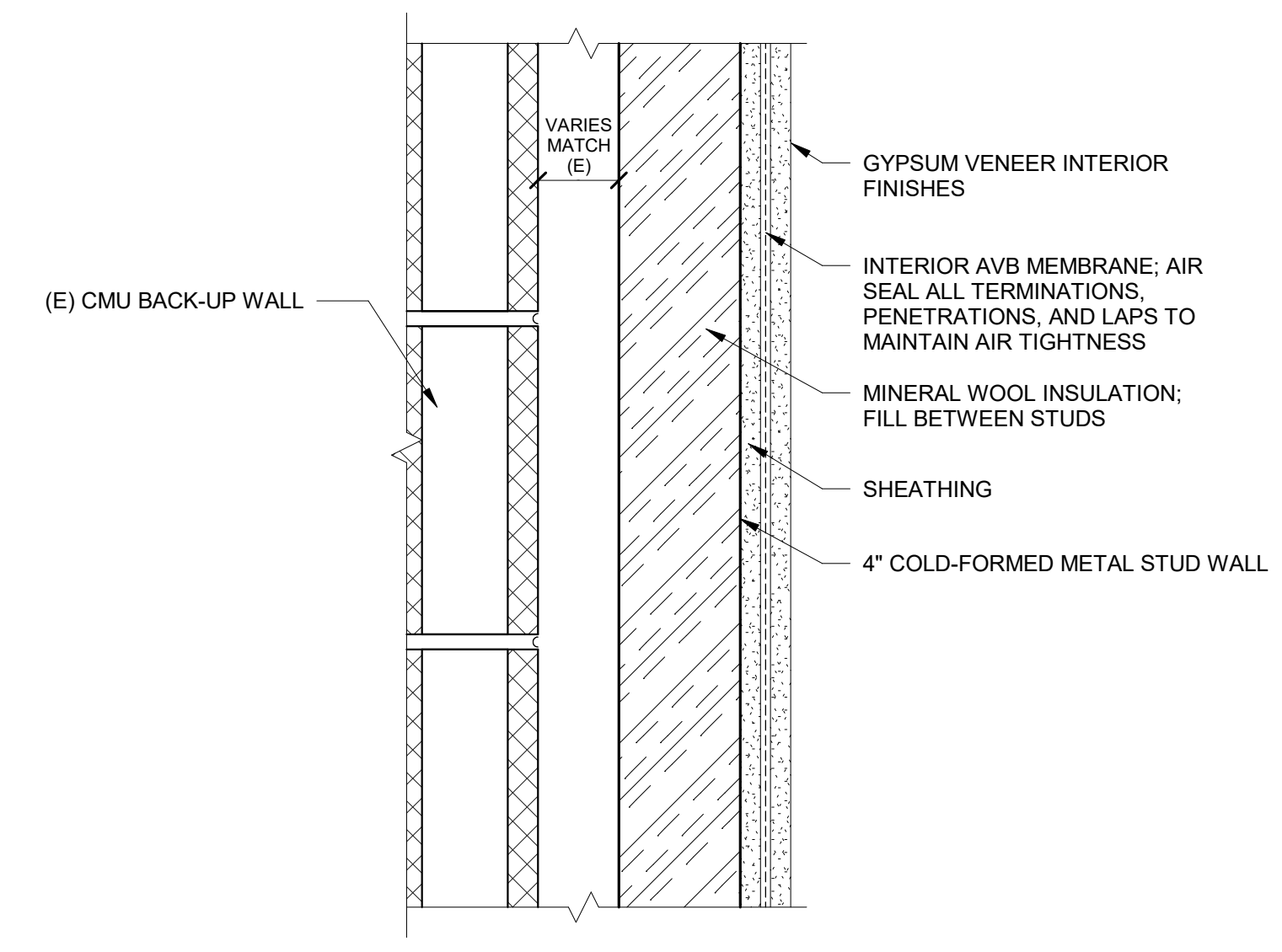
2 METAL PANEL INFILL JAMB
NTS



3 METAL PANEL INFILL BASE OF WALL
NTS



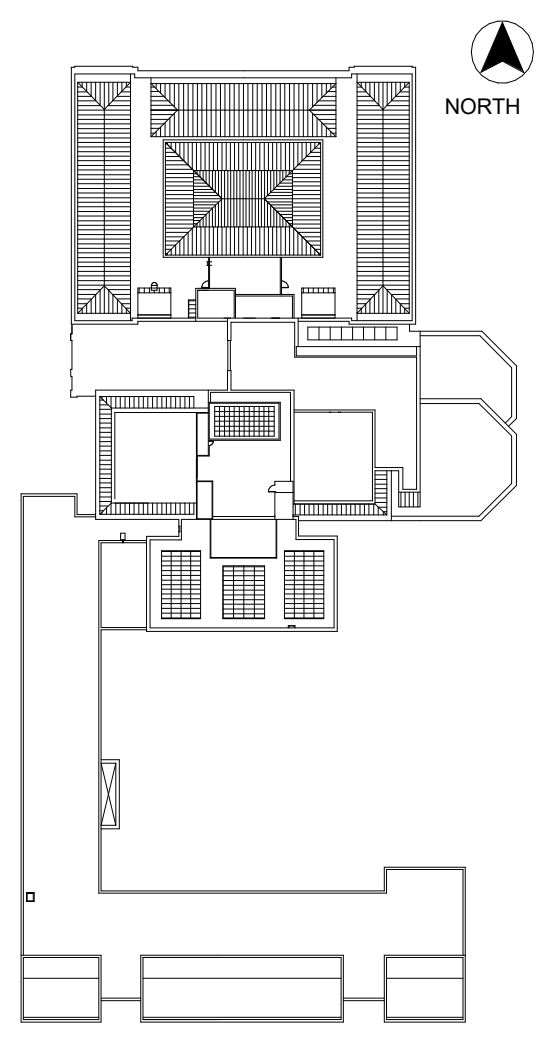
4 FULLER LAB INTERIOR CHASE WALL
NTS



5 FULLER LAB INTERIOR EAST WALL
NTS



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KEY PLAN

No.	Date	Description	By
5	7/22/22	PHASE 1 AND 2 - PERMIT SET	
4	03/31/22	PHASE 3 - 90% CDs	
3	02/11/22	PHASE 1 AND 2 BID SET	
2	12/16/21	50% CONSTRUCTION DOCUMENTS	
1	10/28/21	100% DESIGN DEVELOPMENT	

1930s Building Roof & Fuller Lab Envelope Improvements
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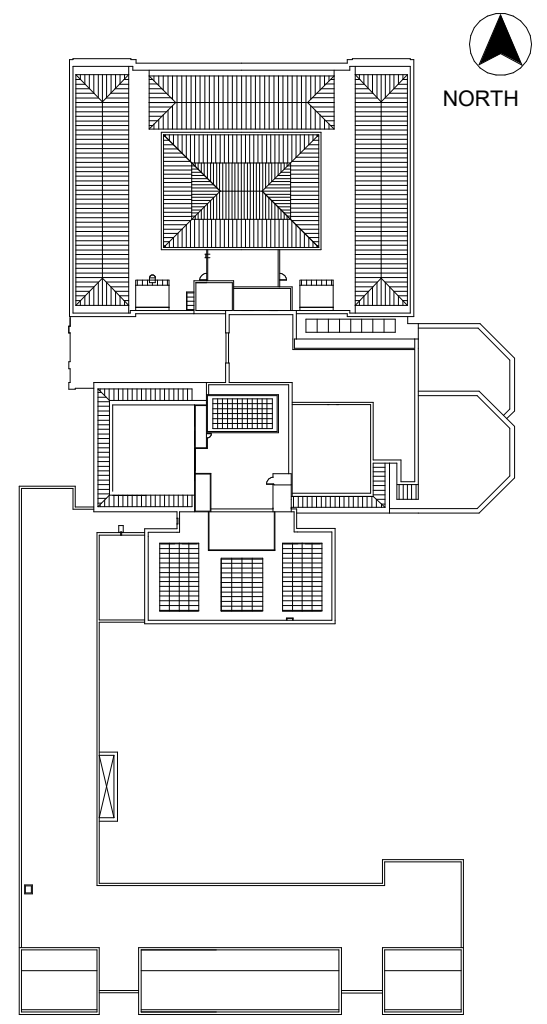
Project
PHASE 1
METAL PANEL INFILL DETAILS
Drawing Title

Project No. 210608.00	Checked CCW	Date 7/22/2022
Drawn KEM/BBS/MAW	Approved JSD	Scale As indicated
Drawing No. BT1-330		Seal



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No.	Date	Description	By
5	7/22/22	PHASE 1 AND 2 - PERMIT SET	
4	03/31/22	PHASE 3 - 90% CDs	
3	02/11/22	PHASE 1 AND 2 BID SET	
2	12/16/21	50% CONSTRUCTION DOCUMENTS	
1	10/28/21	100% DESIGN DEVELOPMENT	

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Project

PHASE 1
PENTHOUSE CLADDING DETAILS

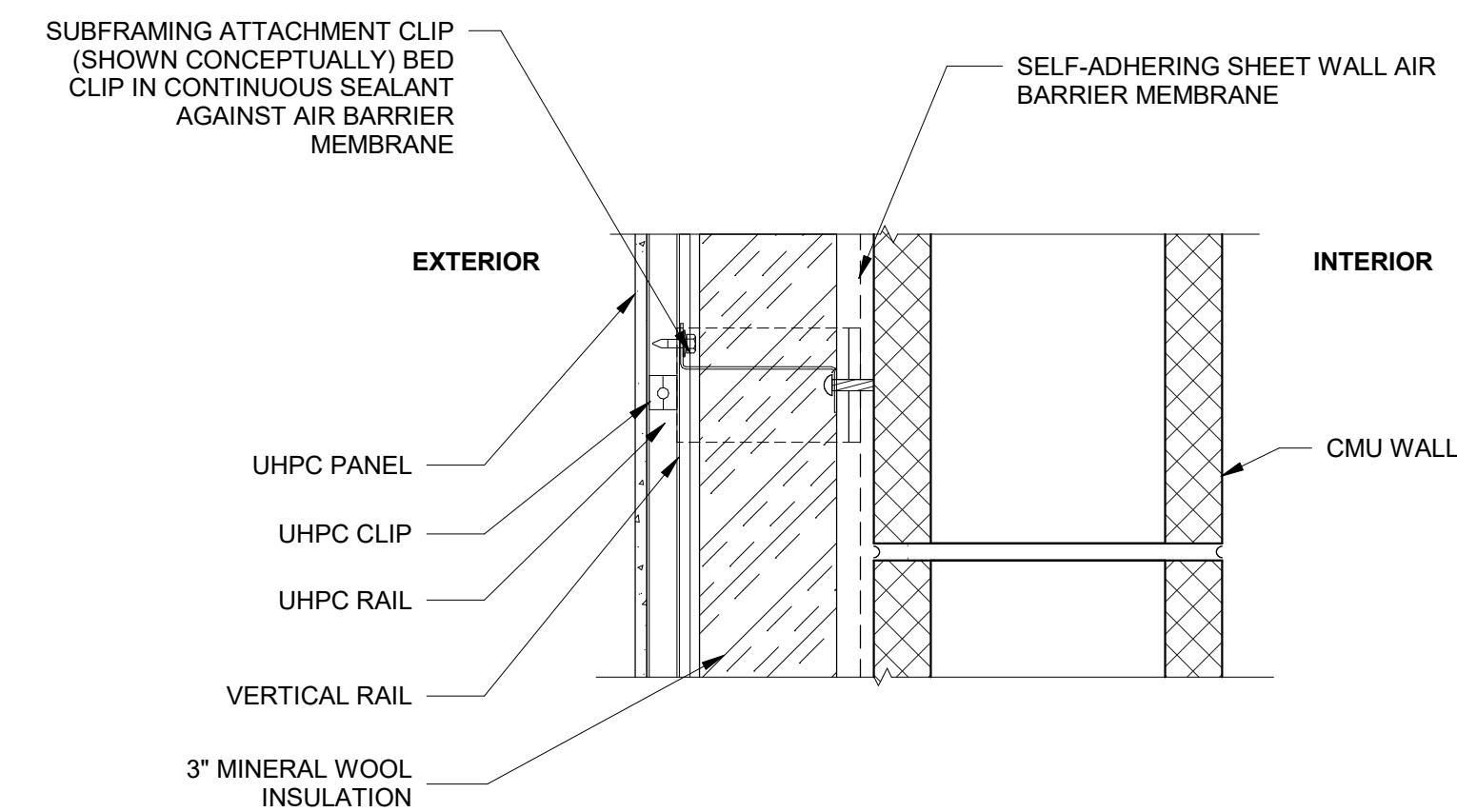
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Project No. 210608.00	Checked CCW	Date 7/22/2022
Drawn KEM/BBS/MAW	Approved JSD	Scale As indicated

Drawing No.

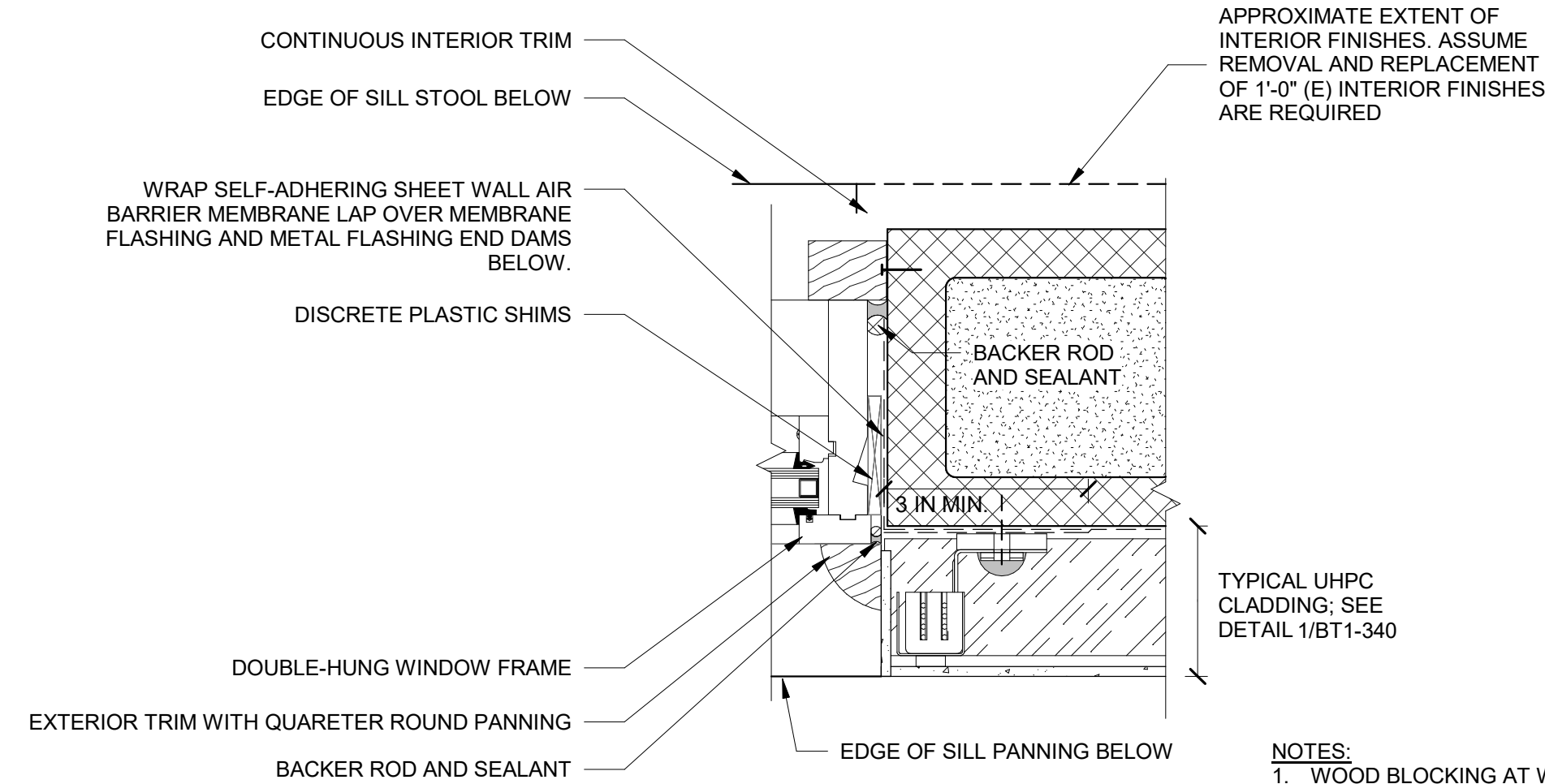
BT1-340

Seal



1 UHPC CLADDING AT CMU BACKUP WALL

NTS



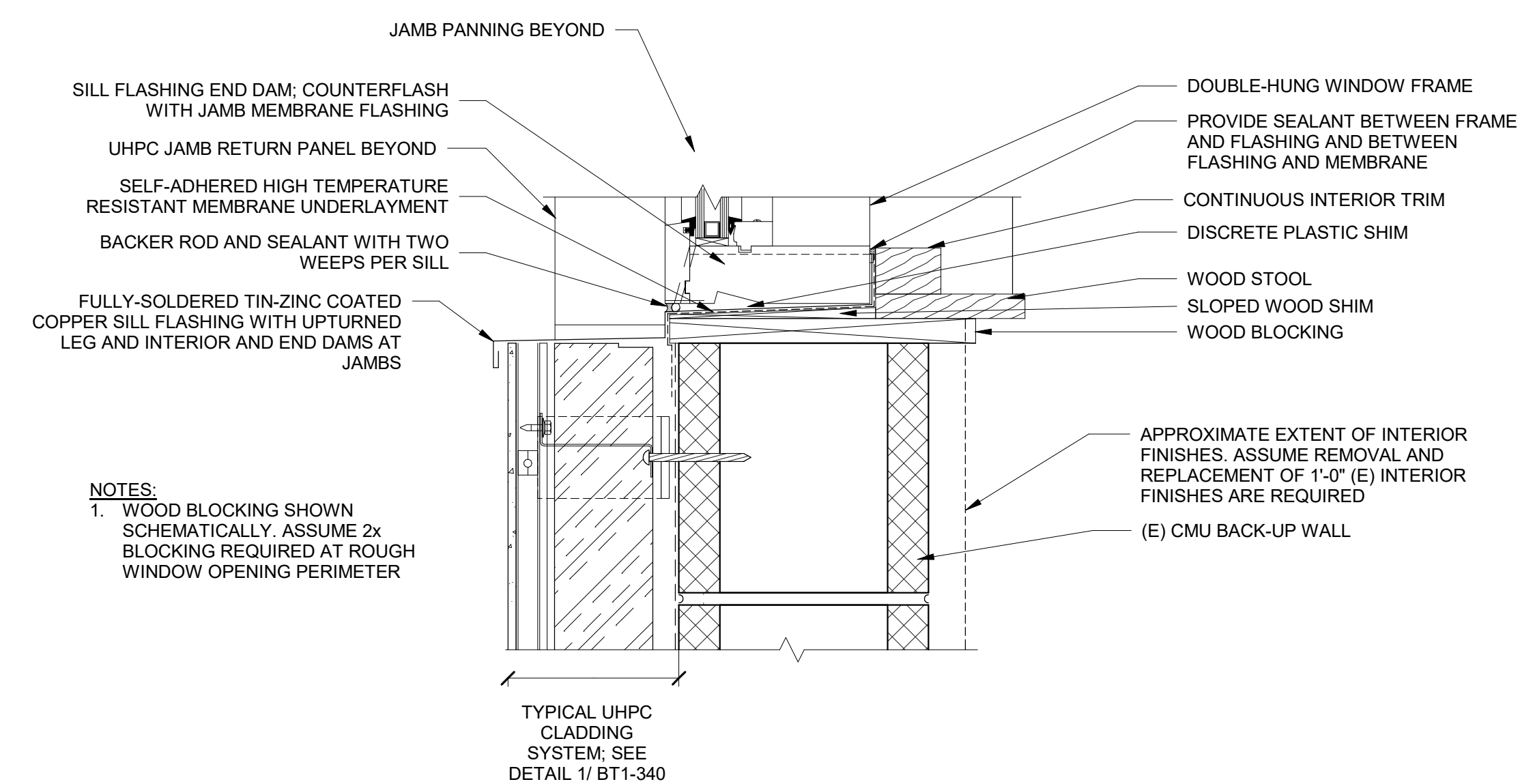
2 MECHANICAL ROOM WINDOW JAMB

NTS

NOTES:
1. WOOD BLOCKING AT WINDOW PERIMETER NOT SHOWN BUT MAY BE REQUIRED. ASSUME 2x BLOCKING REQUIRED AT ROUGH WINDOW OPENING PERIMETER

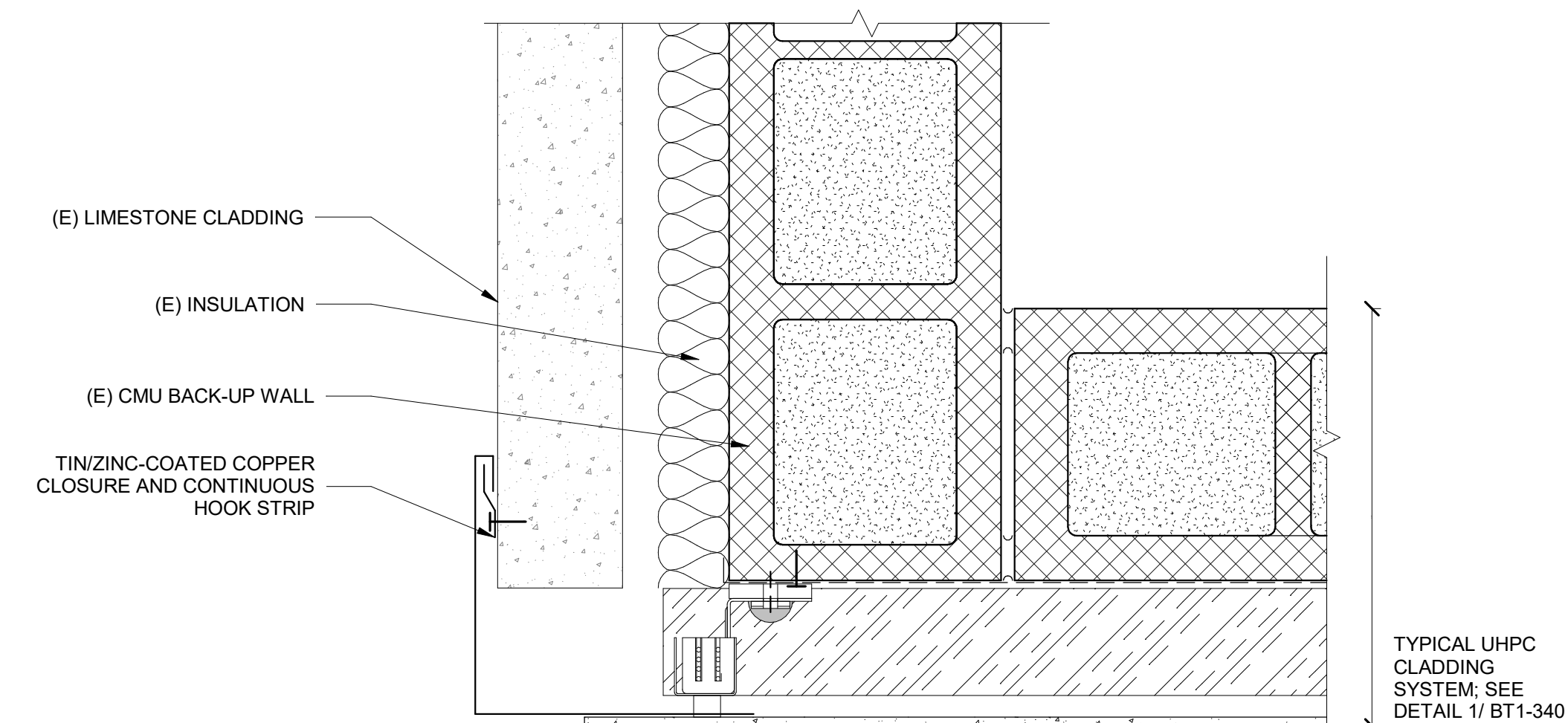
TYPICAL UHPC CLADDING; SEE DETAIL 1/BT1-340

TYPICAL UHPC CLADDING SYSTEM; SEE DETAIL 1/BT1-340



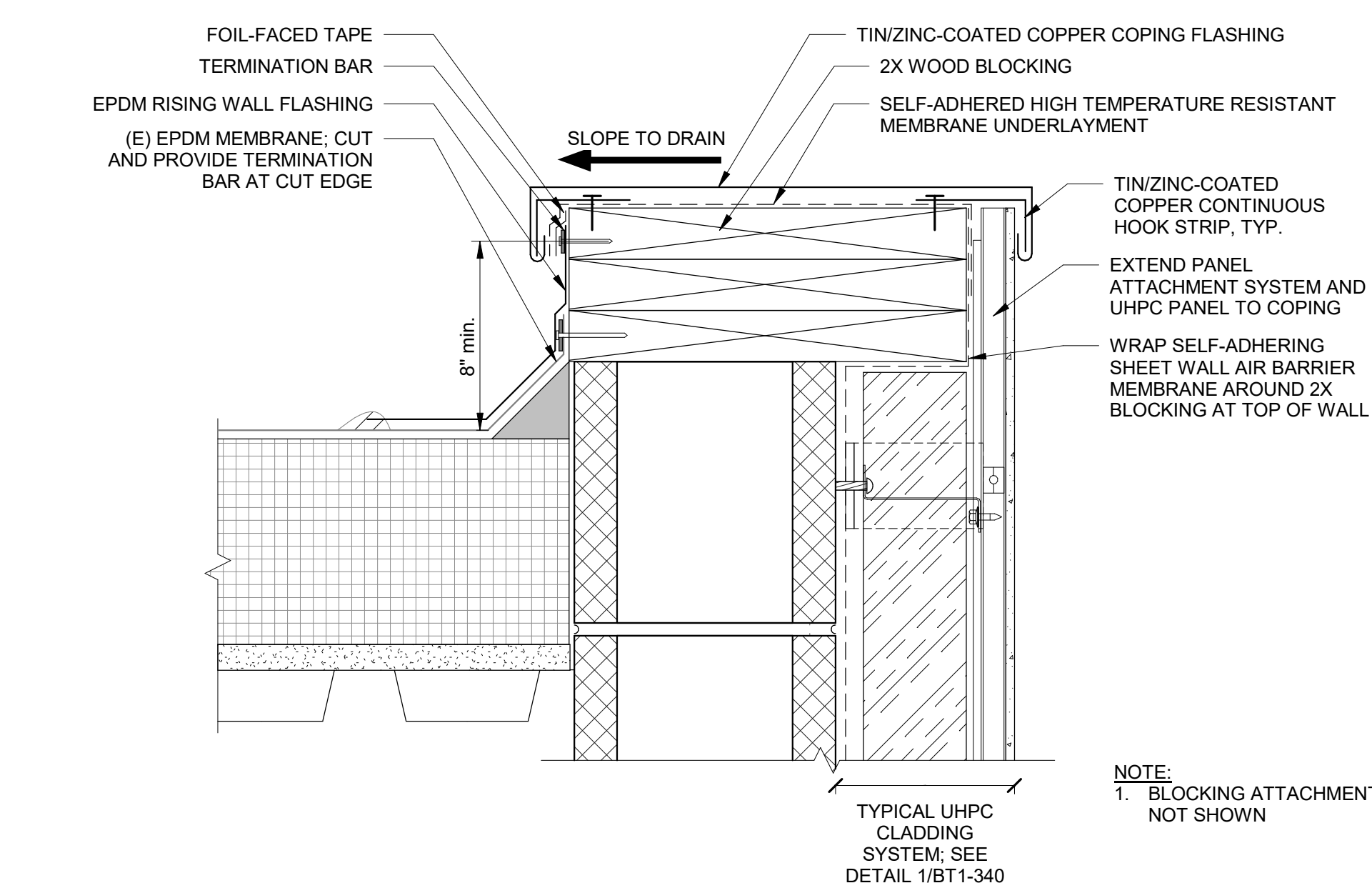
3 MECHANICAL ROOM WINDOW SILL

NTS



4 UHPC CLADDING TRANSITION TO (E) LIMESTONE CLADDING

NTS



5 UHPC TOP OF WALL

NTS

NOTE:
1. BLOCKING ATTACHMENT NOT SHOWN

Phase 1, Complete per
Decision 22AUG2022

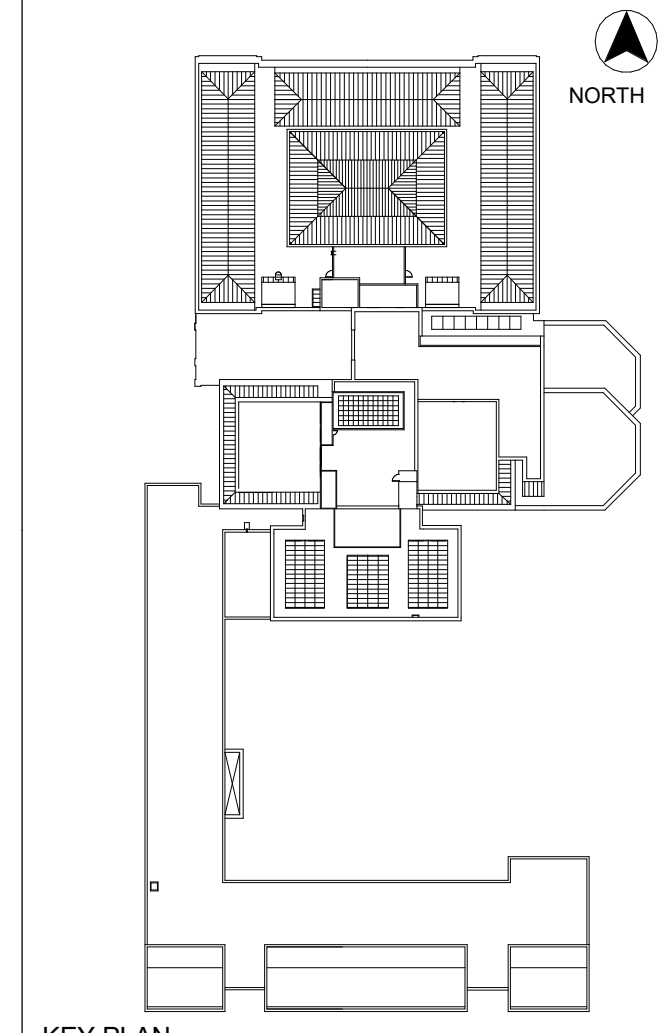


PROJECT NORTH

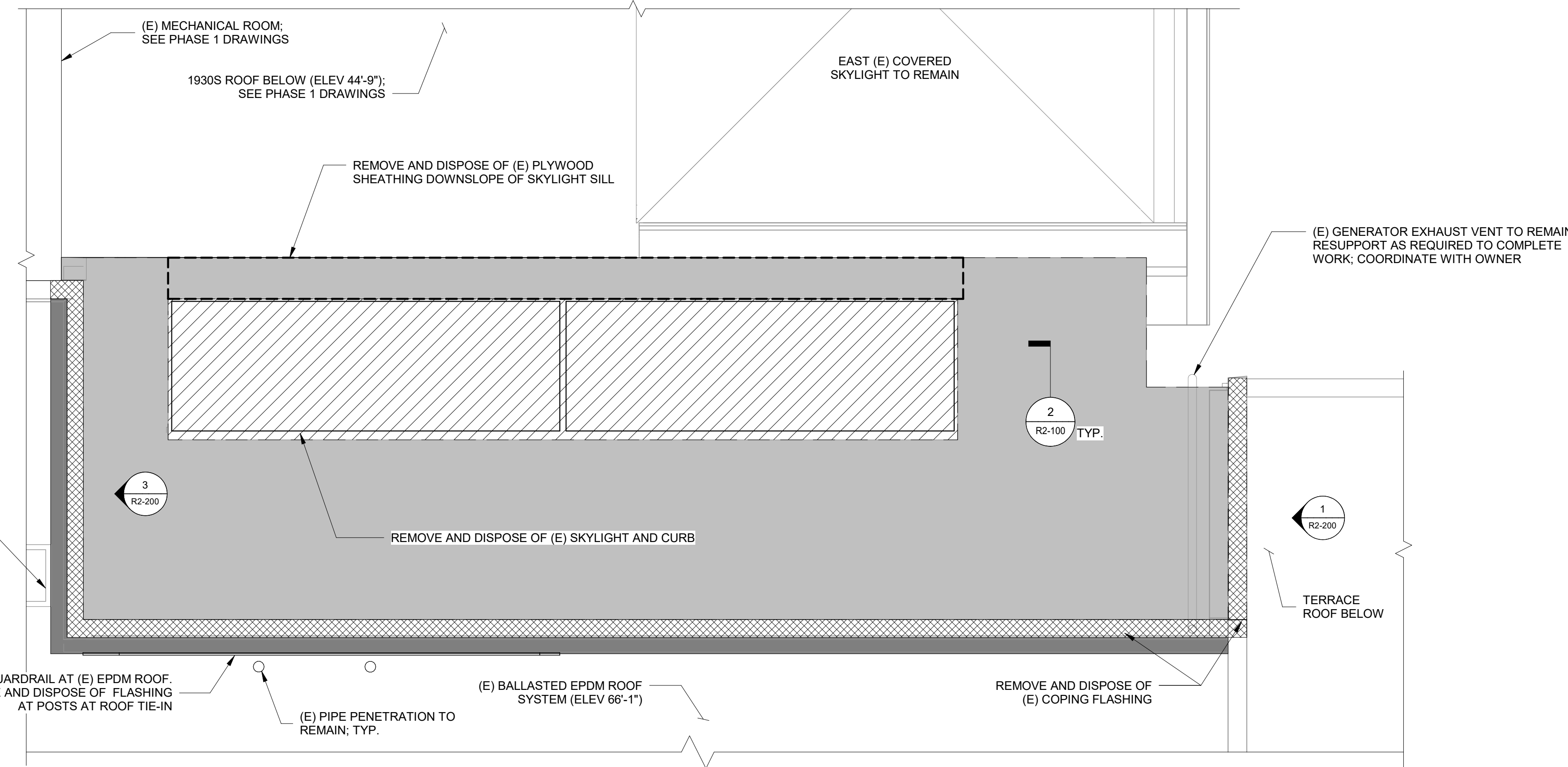


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KEY PLAN



LEGEND

- REMOVE AND DISPOSE OF (E) STANDING SEAM ROOF SYSTEM. REFER TO DETAIL 2/ R2-100. REMOVE AND DISPOSE OF PLYWOOD SHEATHING AT LOCATIONS NOTED ON PLAN
- REMOVE AND DISPOSE OF (E) METAL FLASHING AND UNDERLAYMENT
- REMOVE AND DISPOSE OF (E) BALLASTED EPDM ROOF SYSTEM
- REMOVE AND DISPOSE OF (E) SKYLIGHT, FLASHING, FRAME, AND CURB

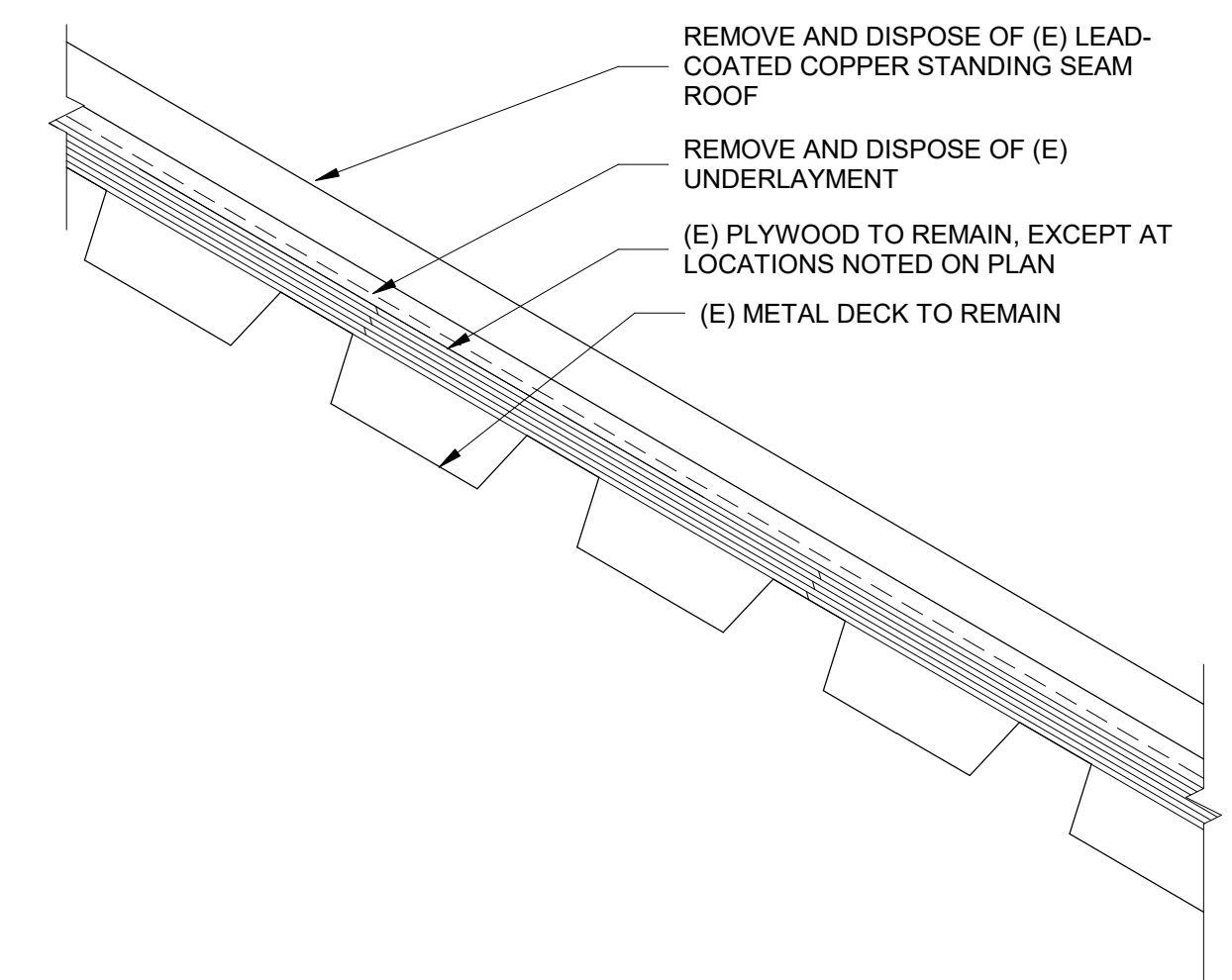
FULLER LAB SCOPE OF WORK:

- REMOVE AND DISPOSE OF (E) LEAD-COATED COPPER STANDING SEAM METAL ROOF SYSTEM, INCLUDING UNDERLAYMENT, TO THE (E) PLYWOOD SHEATHING. REMOVE (E) FLASHING AT PERIMETERS, TERMINATIONS, AND RISING WALLS. REMOVE AND DISPOSE OF (E) PLYWOOD SHEATHING DOWNSLOPE OF SKYLIGHT SILL.
- REMOVE AND DISPOSE OF (E) SKYLIGHT, INCLUDING AT GLAZING SKYLIGHT FRAMING, AND THE (E) CURB. REMOVE AND DISPOSE OF INTERIOR FINISHES AT SKYLIGHT CURB; ASSUME 2'-0" AT SKYLIGHT PERIMETER.
- REMOVE AND DISPOSE OF INTERIOR FINISHES TO EXPOSE (E) STRUCTURAL STEEL TO VERIFY BEAM AND CONDITIONS; ASSUME 30 SF. SEE STRUCTURAL DRAWINGS.

NOTES:

- PROVIDE TEMPORARY PROTECTION AS REQUIRED DURING REMOVALS TO MAINTAIN WEATHER-TIGHTNESS AND STRUCTURAL INTEGRITY.
- DIMENSIONS, RELATIVE ELEVATIONS, SCALE, ETC. ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD PRIOR TO BIDDING.
- HAZARDOUS MATERIALS: HAZARDOUS MATERIALS FOUND IN PROJECT AREA. COORDINATE WITH ABATEMENT DRAWINGS AND REQUIREMENTS OF OWNER'S HAZARDOUS MATERIALS CONSULTANT.

1 FULLER LAB ROOF REMOVAL PLAN
1/4" = 1'-0"



2 (E) STANDING SEAM ROOFING SYSTEM
NTS

WHC, Area of Interest
Phase 2: Fuller Conservation
Lab Roof & Skylight
Replacement

No.	Date	Description	By
5	7/22/22	PHASE 1 AND 2 - PERMIT SET	
4	03/31/22	PHASE 3 - 90% CDs	
3	02/11/22	PHASE 1 AND 2 BID SET	
2	12/16/21	50% CONSTRUCTION DOCUMENTS	
1	10/28/21	100% DESIGN DEVELOPMENT	

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Project

PHASE 2
FULLER ROOF REMOVAL PLAN

Drawing Title

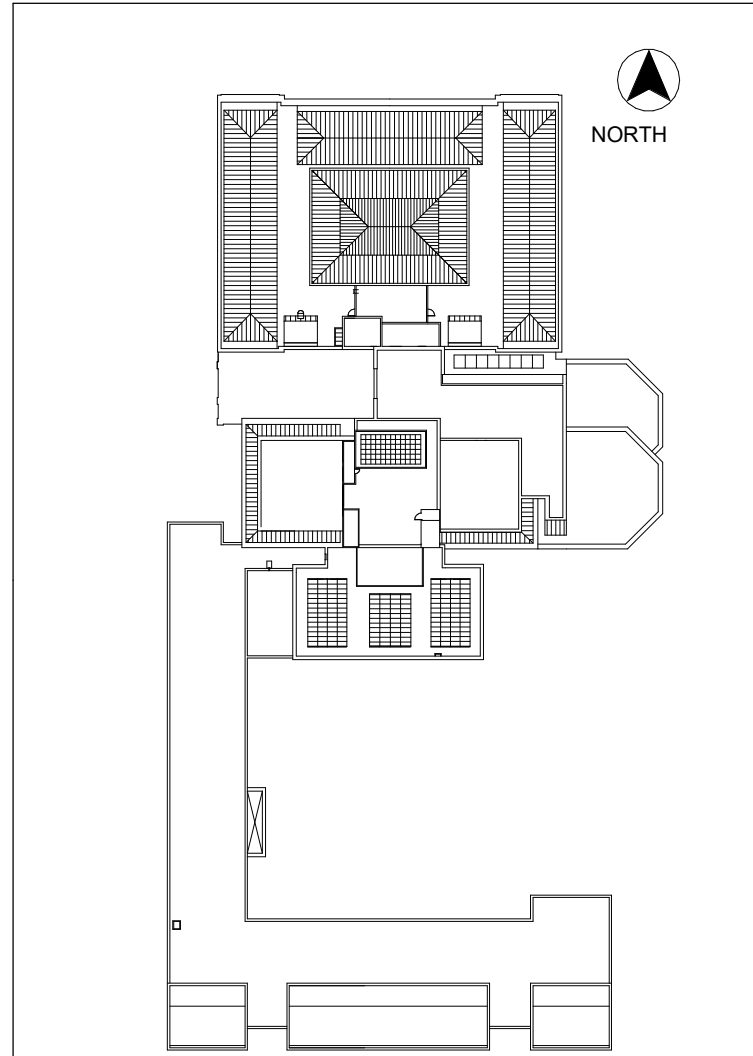
Project No. 210608.00	Checked CCW	Date 7/22/2022
Drawn KEM/BBS/MAW	Approved JSD	Scale As indicated

Drawing No.
R2-100



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KEY PLAN

No.	Date	Description	By
5	7/22/22	PHASE 1 AND 2 - PERMIT SET	
4	03/31/22	PHASE 3 - 90% CDs	
3	02/11/22	PHASE 1 AND 2 BID SET	
2	12/16/21	50% CONSTRUCTION DOCUMENTS	
1	10/28/21	100% DESIGN DEVELOPMENT	

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Project

PHASE 2
FULLER LAB REMOVAL ELEVATIONS

Project No. 210608.00	Checked CCW	Date 7/22/2022
Drawn KEM/BBS/MAW	Approved JSD	Scale As indicated
Drawing No. R2-200		

WHC, Area of Interest
Phase 2: Fuller Conservation
Lab Roof & Skylight
Replacement

WHC, Note of Omission
In-kind replacement of the window
assembly per the April 03, 2024
decision via the 1898/ 1983 Facade
Improvement project.

LEGEND

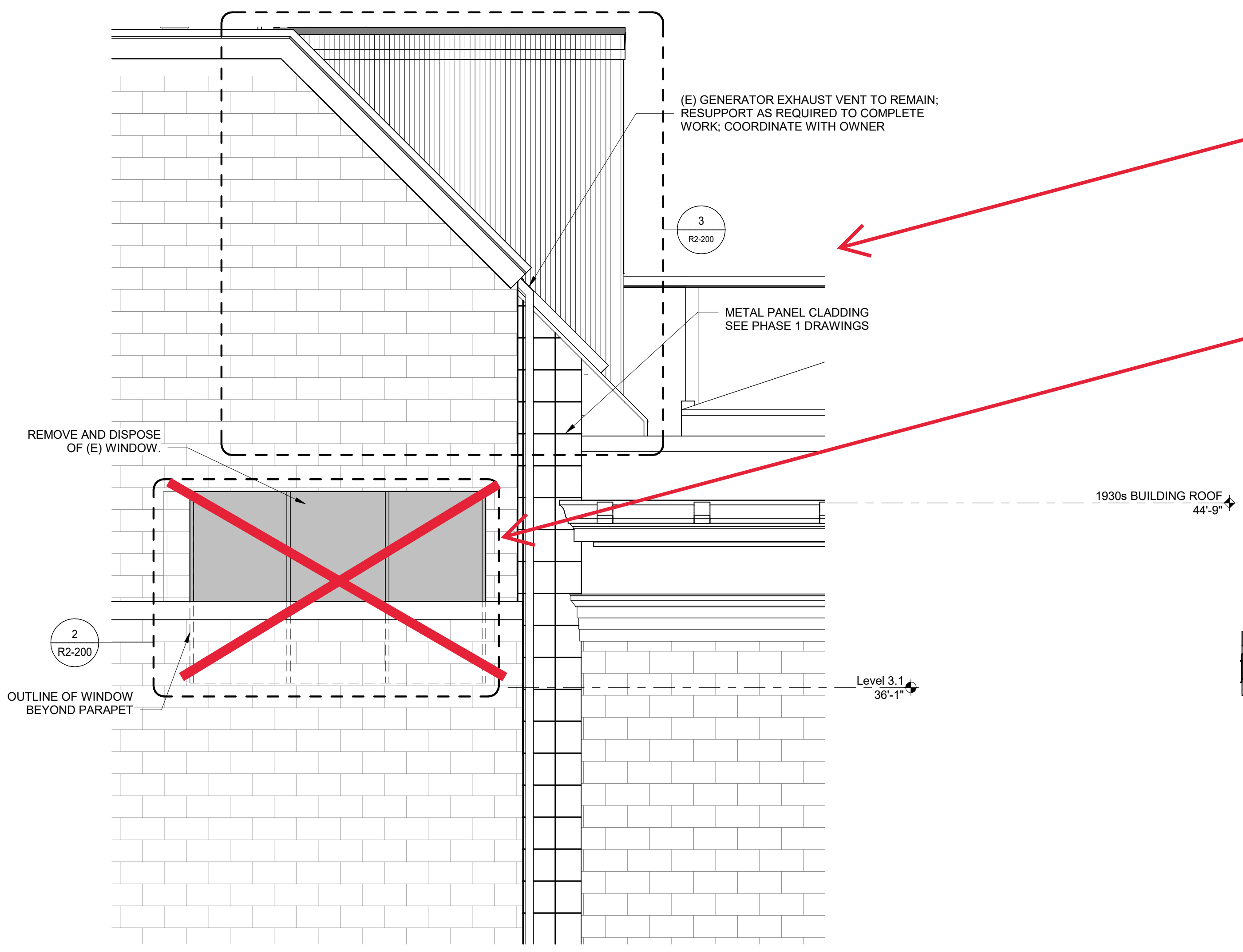
- REMOVE AND DISPOSE OF (E) FENESTRATION ASSEMBLY
- REMOVE AND DISPOSE OF (E) STONE CLADDING SYSTEM AND RIGID INSULATION TO BACK-UP CMU WALL
- REMOVE AND DISPOSE OF METAL FLASHING OR GUTTERS

SCOPE OF WORK:

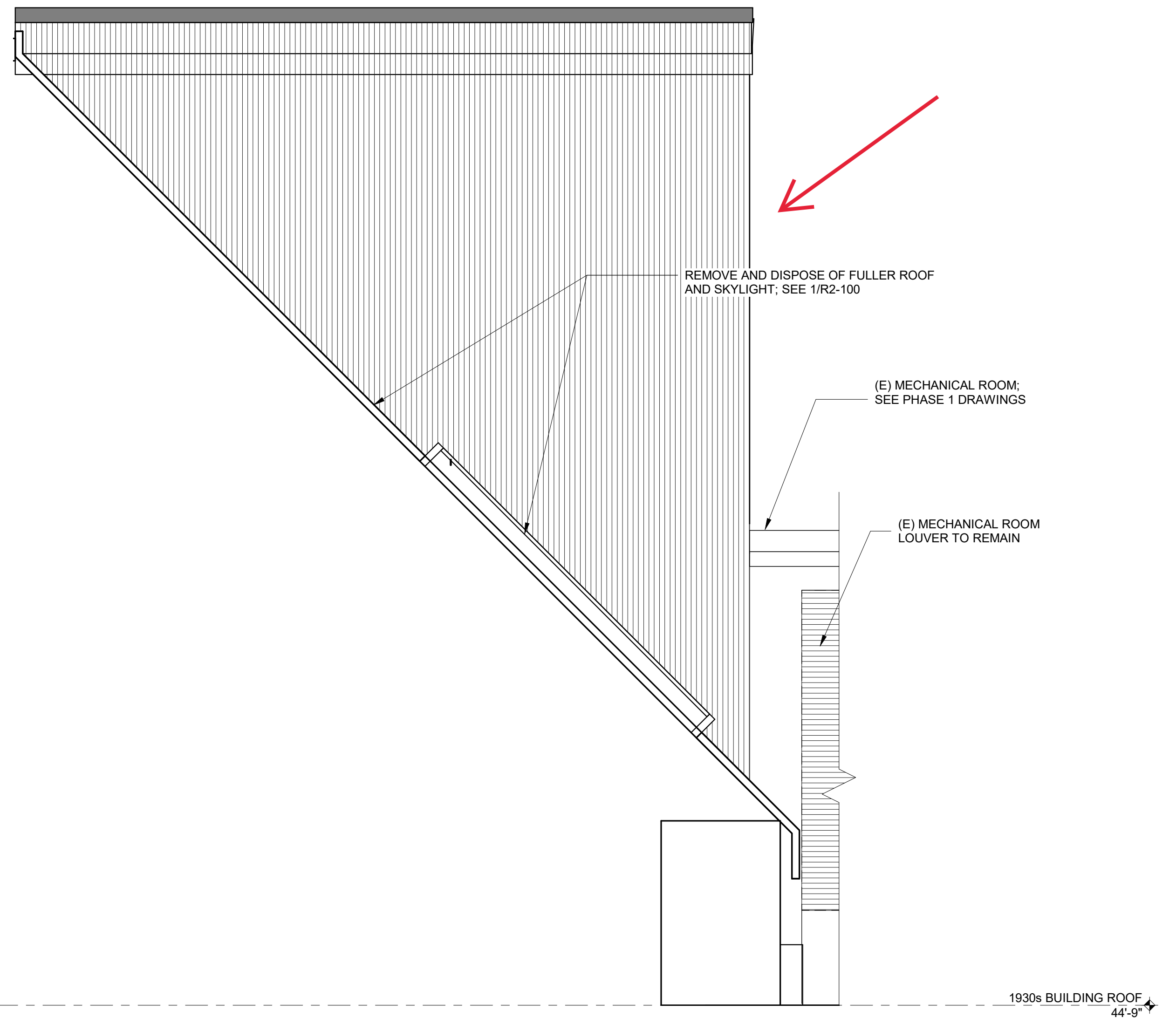
- REMOVE AND DISPOSE OF (E) WINDOW AT FULLER LAB, INCLUDING SEALANT AND PERIMETER FLASHING. REMOVE (E) STUCCO FINISHES AT EXTERIOR SOFFIT.
- REMOVE AND DISPOSE OF (E) RISING WALL LIMESTONE WALL CLADDING SYSTEMS AND RIGID INSULATION TO EXPOSE BACK-UP CMU WALL.
- REMOVE AND DISPOSE OF (E) METAL FLASHING.

NOTES:

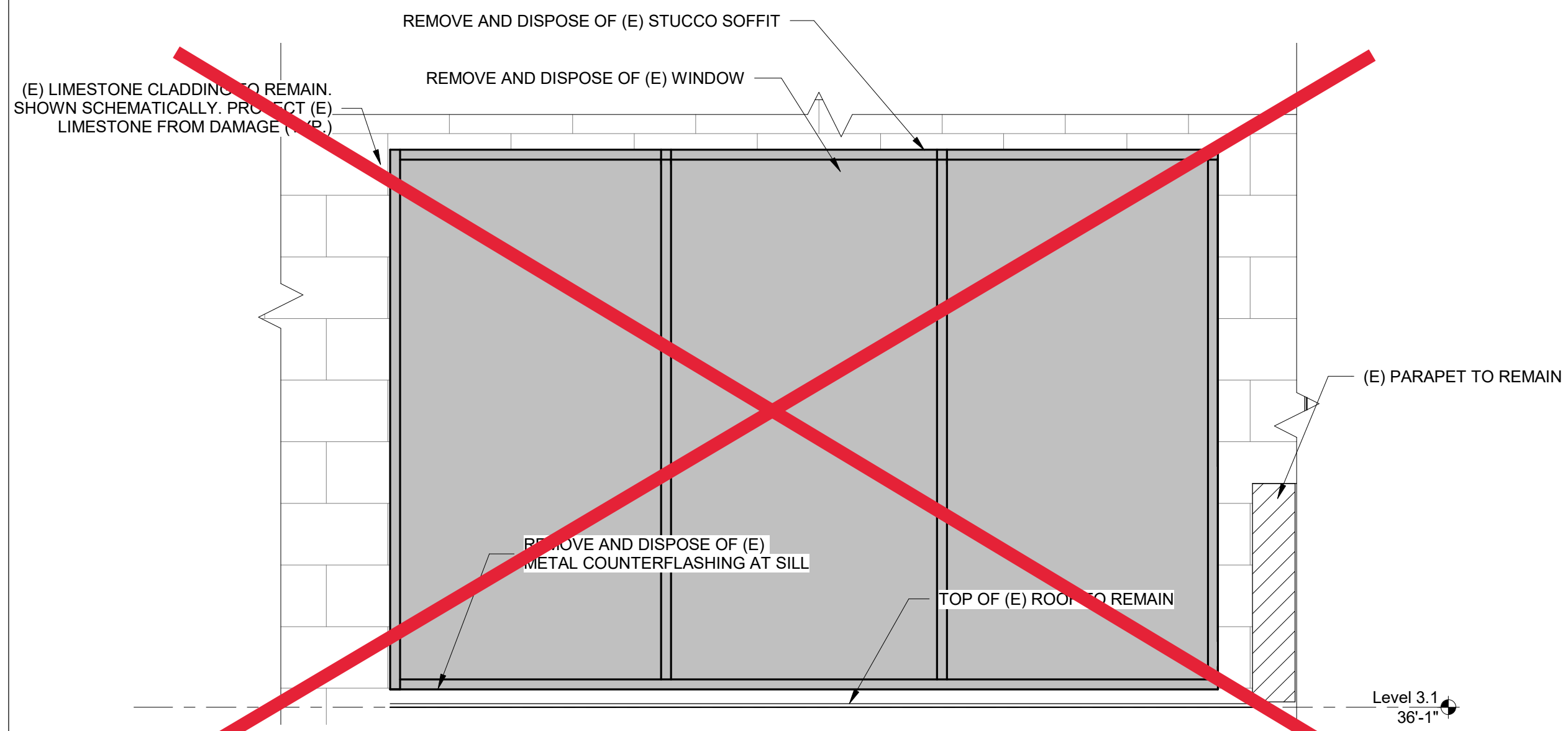
- PROVIDE TEMPORARY PROTECTION AS REQUIRED DURING REMOVALS TO MAINTAIN WEATHER-TIGHTNESS AND STRUCTURAL INTEGRITY.
- DIMENSIONS, RELATIVE ELEVATIONS, SCALE, ETC. ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD PRIOR TO BIDDING.
- HAZARDOUS MATERIALS: HAZARDOUS MATERIALS FOUND IN PROJECT AREA. COORDINATE WITH ABATEMENT DRAWINGS AND REQUIREMENTS OF OWNER'S HAZARDOUS MATERIALS CONSULTANT.



1 FULLER LAB EAST ELEVATION REMOVAL
1/4" = 1'-0"

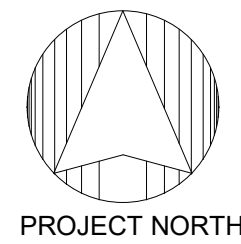


3 FULLER ROOF RISING WALL REMOVAL
1/2" = 1'-0"



2 FULLER LAB WINDOW REMOVAL PARTIAL ELEVATION
1/2" = 1'-0"

7/22/2022 10:35:31 AM
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WHC, Note of Omission
 Per previous notes, this scope is omitted, both curtain wall and window assembly.

LEGEND

■	REMOVE AND DISPOSE OF (E) INTERIOR FINISHES AND INSULATION BETWEEN (E) COLD-FORMED FRAMING STUDS
■	REMOVE AND DISPOSE OF (E) FENESTRATION ASSEMBLY

SCOPE OF WORK:

- REMOVE AND DISPOSE OF (E) WINDOW AT FULLER LAB, INCLUDING SEALANT PERIMETER FLASHING AND INTERIOR FINISHES AROUND PERIMETER.
- REMOVE AND DISPOSE OF (E) INTERIOR WALL AND CEILING FINISHES TO (E) COLD-FORMED FRAMING AT LOCATIONS SHOWN ON THE DRAWINGS.

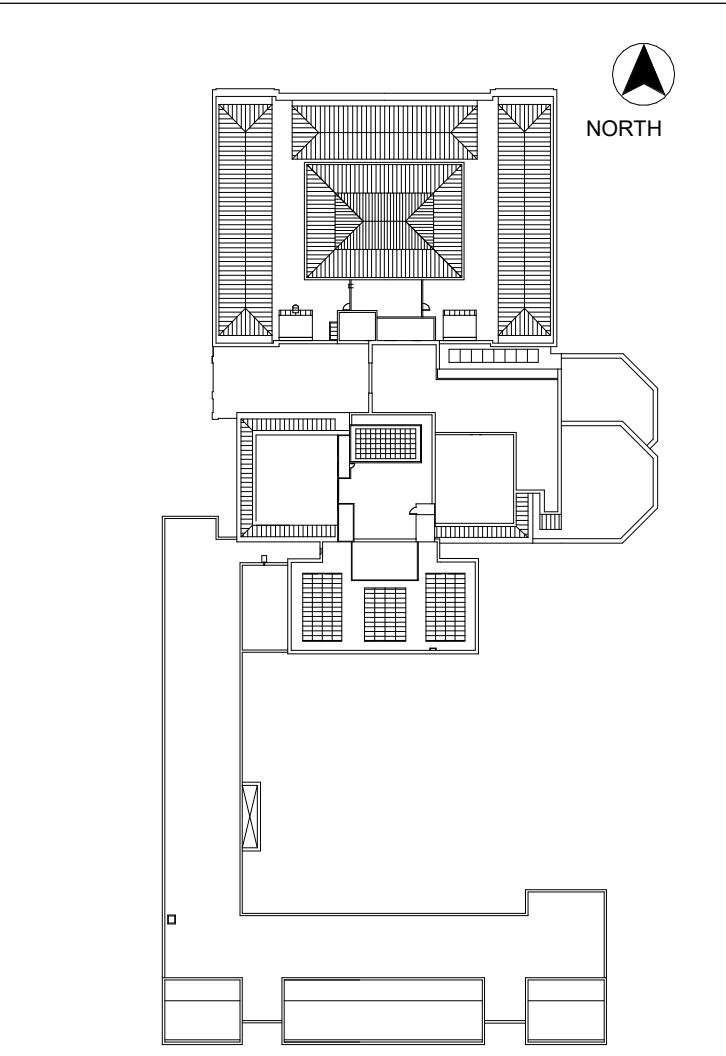
NOTES:

- PROVIDE TEMPORARY PROTECTION AS REQUIRED DURING REMOVALS TO MAINTAIN WEATHER-TIGHTNESS AND STRUCTURAL INTEGRITY. DIMENSIONS, RELATIVE ELEVATIONS, SCALE, ETC. ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD PRIOR TO BIDDING.
- HAZARDOUS MATERIALS: HAZARDOUS MATERIALS FOUND IN PROJECT AREA. COORDINATE WITH ABATEMENT DRAWINGS AND REQUIREMENTS OF OWNER'S HAZARDOUS MATERIALS CONSULTANT.

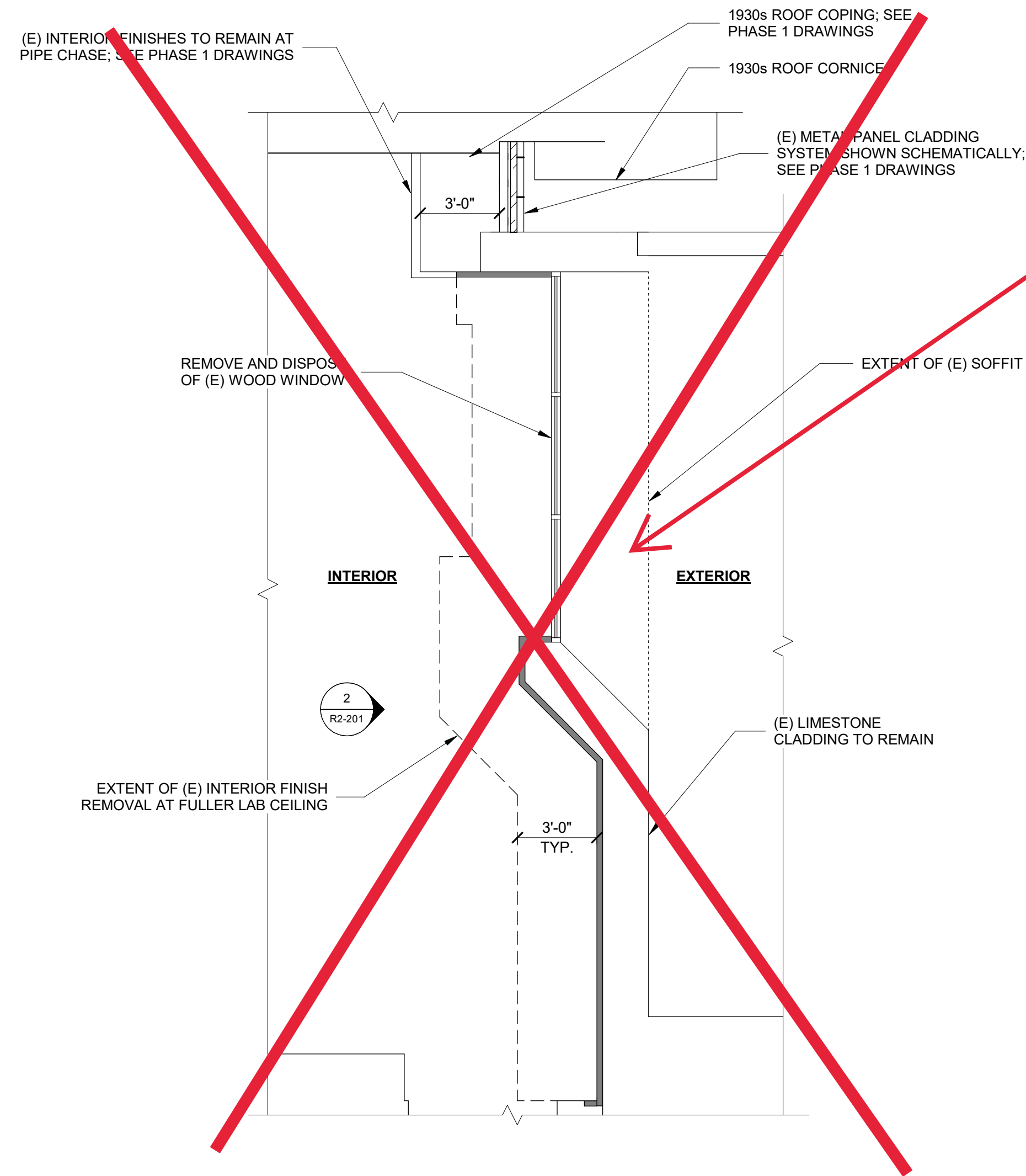


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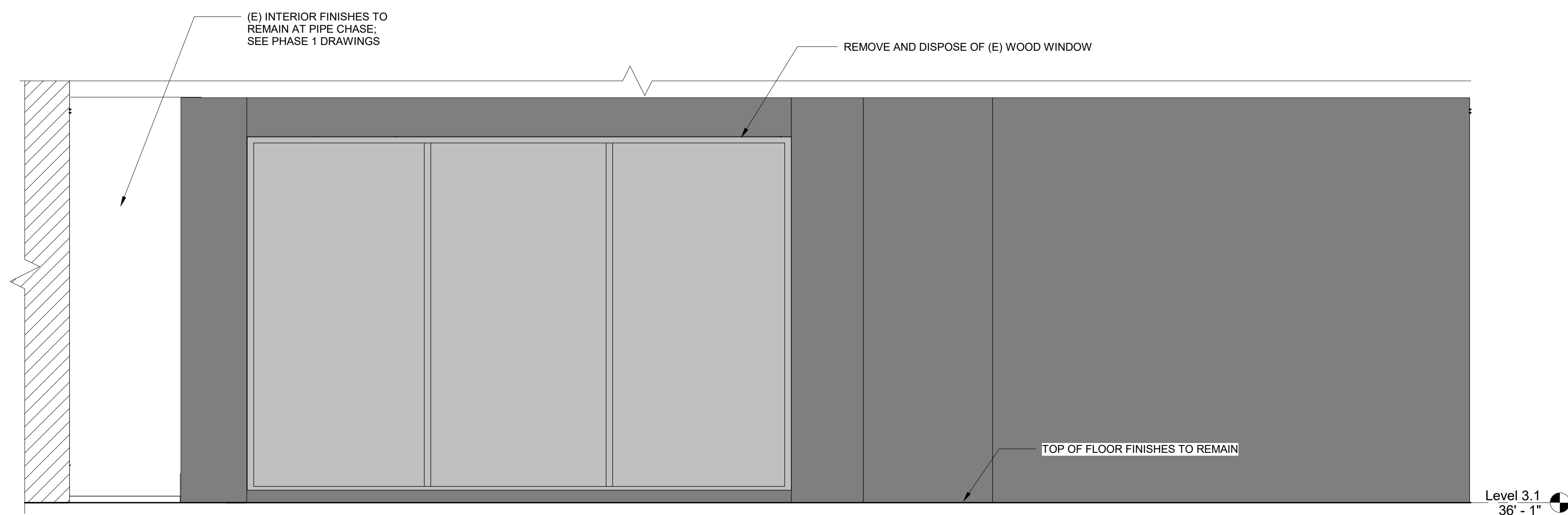
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KEY PLAN



1 FULLER LAB EXTERIOR WALL PART PLAN
 1/4" = 1'-0"



2 FULLER LAB PARTIAL INTERIOR ELEVATION
 1/2" = 1'-0"

No.	Date	Description	By
5	7/22/22	PHASE 1 AND 2 - PERMIT SET	
4	03/31/22	PHASE 3 - 90% CDs	
3	02/11/22	PHASE 1 AND 2 BID SET	
2	12/16/21	50% CONSTRUCTION DOCUMENTS	
1	10/28/21	100% DESIGN DEVELOPMENT	

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PHASE 2
FULLER LAB WALL PART PLAN AND INTERIOR REMOVAL ELEVATION

Drawing Title

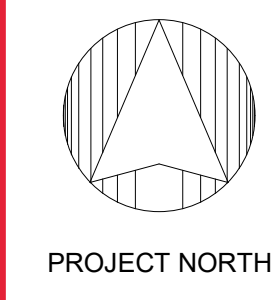
Project No. 210608.00	Checked CCW	Date 7/22/2022
Drawn KEM/BBS/MAW	Approved JSD	Scale As indicated

Drawing No.

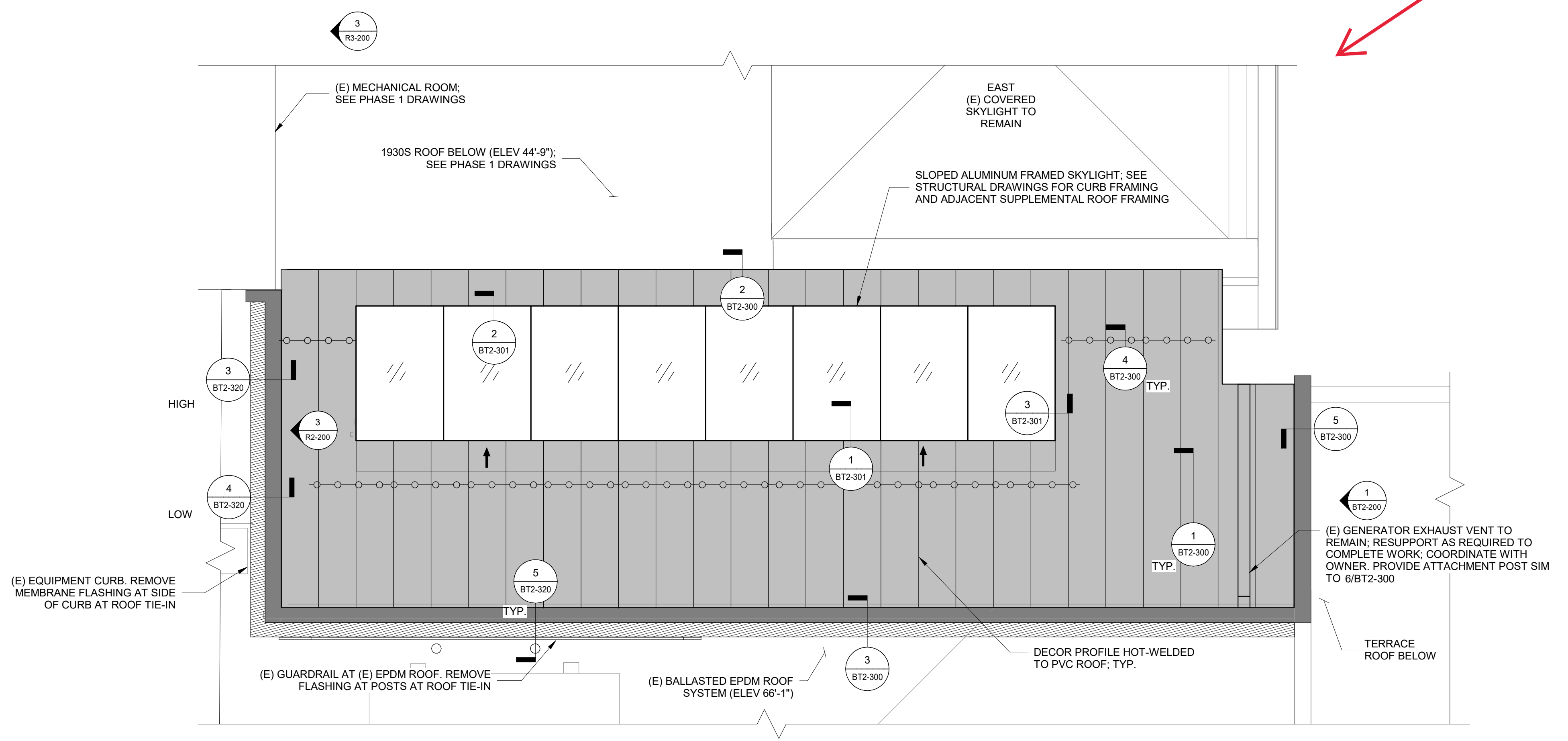
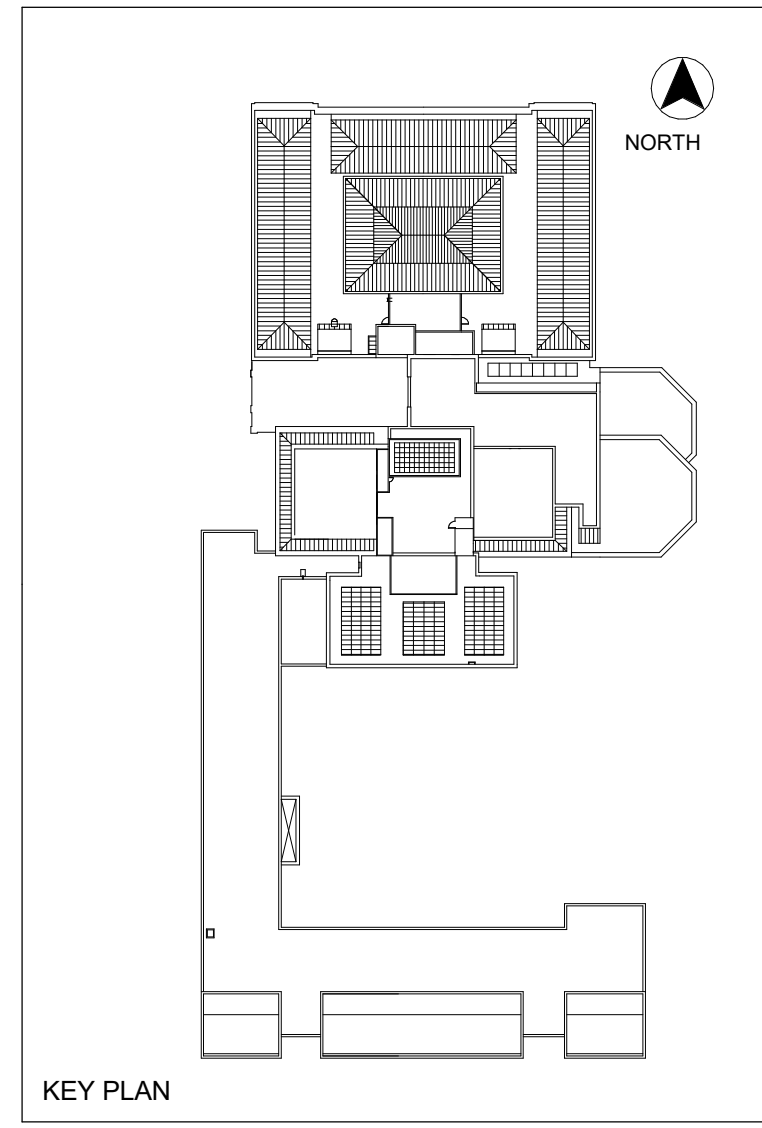
R2-201

Seal

**WHC, Area of Interest
Phase 2: Fuller Conservation
Lab Roof & Skylight
Replacement**



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LEGEND

- SLOPED PVC ROOF SYSTEM WITH DECOR PROFILE
- TIN/ZINC-COATED COPPER COPING FLASHING
- (E) EPDM ROOF TIE-IN TO ADJACENT ROOF REPLACEMENT
- SNOW RETENTION SYSTEM SEE: 4/BT2-300
- SLOPE TO DRAIN; MIN. 1/2" PER FT.

- FULLER LAB ROOF SCOPE OF WORK:**
- PROVIDE SLOPED PVC ROOF SYSTEM, INCLUDING SELF-ADHERED VAPOR RETARDER, INSULATION, COVERBOARD, AND ADHERED PVC MEMBRANE WITH DECOR PROFILE. PROVIDE PVC-COATED METAL FLASHING AND TIN/ZINC-COATED COPPER FLASHING.
 - REPLACE DETERIORATED AREAS OF (E) PLYWOOD. REPLACE PLYWOOD SHEATHING DOWNSLOPE OF SKYLIGHT SILL AND ASSUME AN ADDITIONAL 10% REQUIRES REPLACEMENT. ALLOW ENGINEER TO REVIEW IN THE FIELD BEFORE COVERING.
 - PROVIDE SLOPED ALUMINUM FRAMED SKYLIGHT WITH TRIPLE-GLAZED IGUS. PROVIDE PERIMETER CURB AND BLOCKING; SEE STRUCTURAL DRAWING FOR STEEL CURB FRAMING. PROVIDE PERIMETER AIR SEALS, MINERAL WOOL INSULATION, AND ALUMINUM FRAMING. PROVIDE REPLACEMENT INTERIOR FINISHES AT SKYLIGHT PERIMETER.
 - PROVIDE INTERIOR FINISHES WHERE REMOVED TO VERIFY (E) STRUCTURAL STEEL; ASSUME 30 SF. SEE STRUCTURAL DRAWINGS.

- NOTES:**
- PROTECT ALL SURROUNDING FINISHES AND STRUCTURE TO REMAIN.
 - DIMENSIONS, MEMBER SIZES, EXISTING FRAMING CONFIGURATIONS, RELATIVE ELEVATIONS, SCALE, ETC. ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD PRIOR TO BIDDING.
 - HAZARDOUS MATERIALS: HAZARDOUS MATERIALS FOUND IN PROJECT AREAS. COORDINATE WITH ABATEMENT DRAWINGS AND REQUIREMENTS OF OWNER'S HAZARDOUS MATERIALS CONSULTANT.

1 FULLER ROOF PLAN
1/4" = 1'-0"

No.	Date	Description	By
5	7/22/22	PHASE 1 AND 2 - PERMIT SET	
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1	10/28/21	100% DESIGN DEVELOPMENT	

**1930s Building Roof & Fuller
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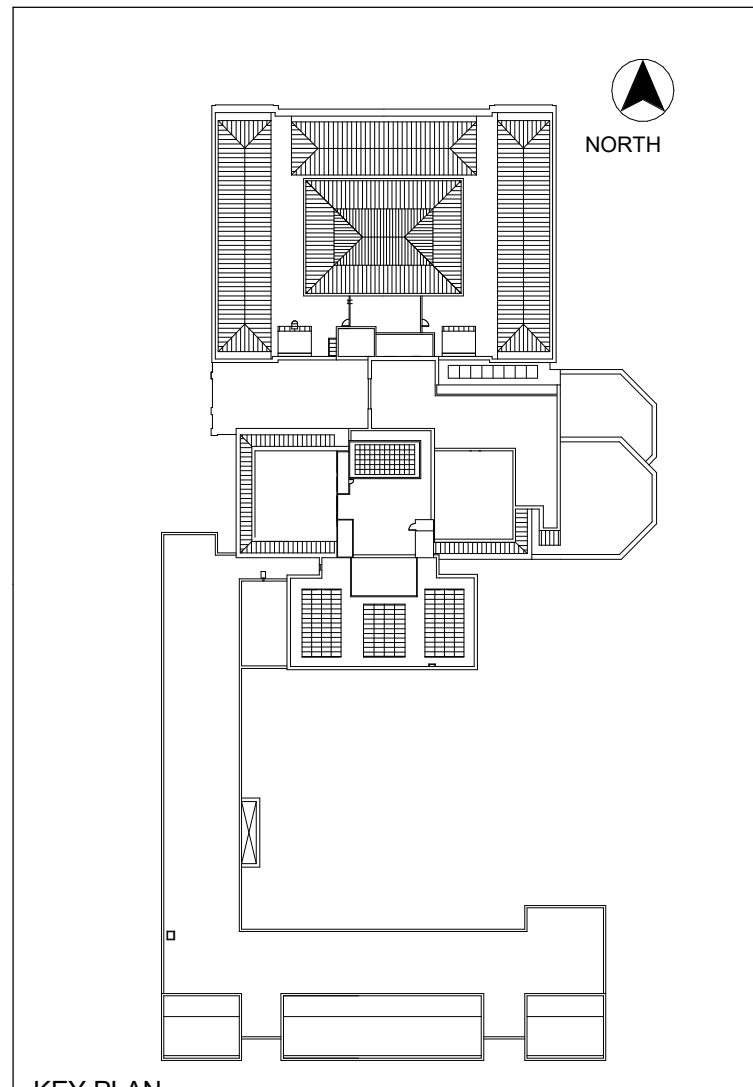
**PHASE 2
FULLER ROOF PLAN**

Project No. 210608.00	Checked CCW	Date 7/22/2022
Drawn KEM/BBS/MAW	Approved JSD	Scale As indicated
Drawing No. BT2-100		



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Waltham, MA 02451
781.907.9000

sgh.com



KEY PLAN

LEGEND

	UHPC CLADDING SYSTEM; SEE DETAIL 1/BT2-320
	TIN/ZINC-COATED COPPER FLASHING

SCOPE OF WORK:

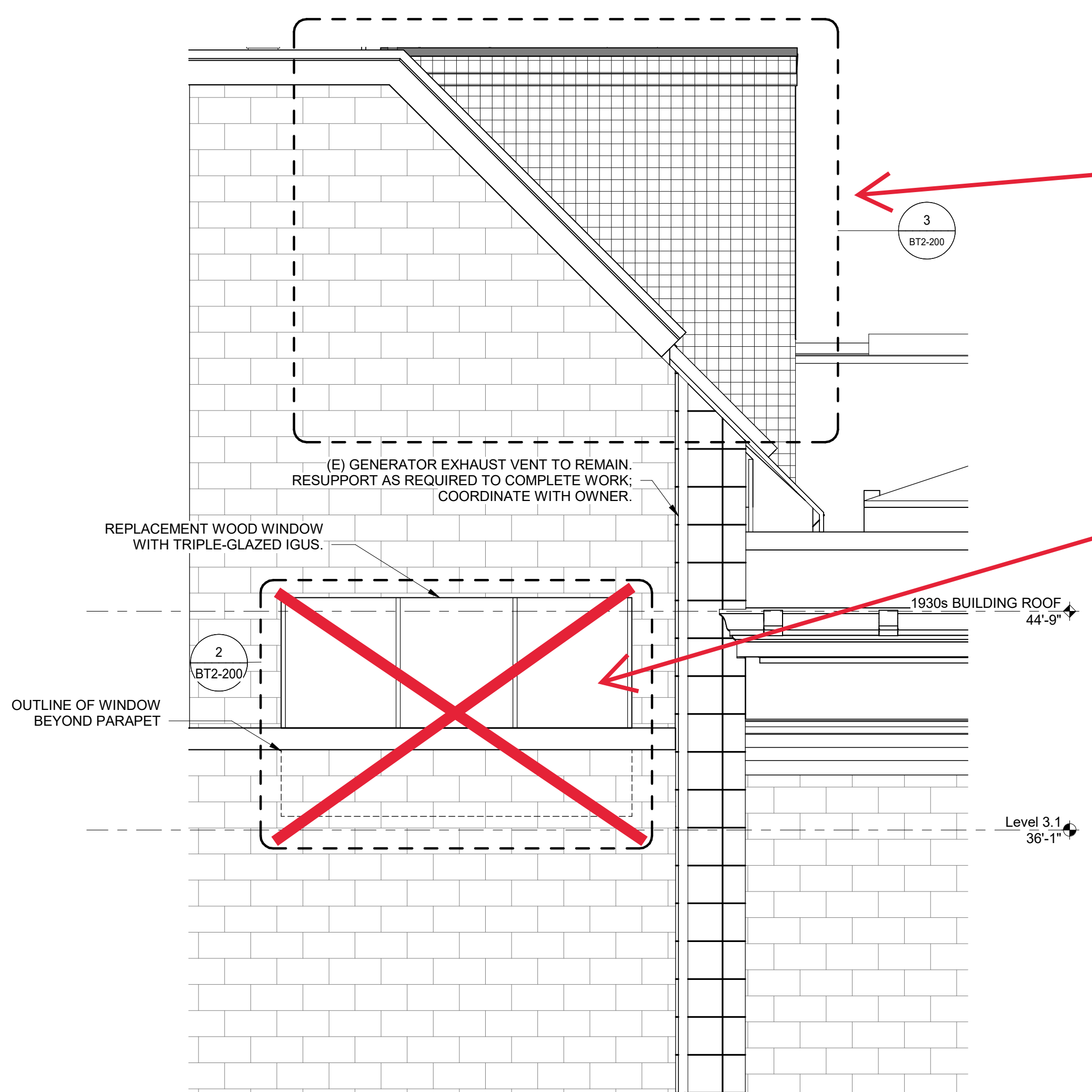
1. PROVIDE WOOD WINDOW WITH TRIPLE-GLAZED IGUS AT PUNCHED OPENING. PROVIDE SELF-ADHERING MEMBRANE FLASHING AT ROUGH OPENING, TIN/ZINC-COATED COPPER SILL FLASHING, AND BACKER ROD AND SEALANT AT WINDOW PERIMETER.
2. PROVIDE UHPC CLADDING SYSTEM AT (E) MECHANICAL ROOM RISING WALL, INCLUDING SELF-ADHERED AIR BARRIER, 3" MINERAL WOOL INSULATION BETWEEN DISCRETE ATTACHMENT BRACKETS, AND UHPC PANELS. (E) BACK-UP WALLS ARE CMU.

NOTES:

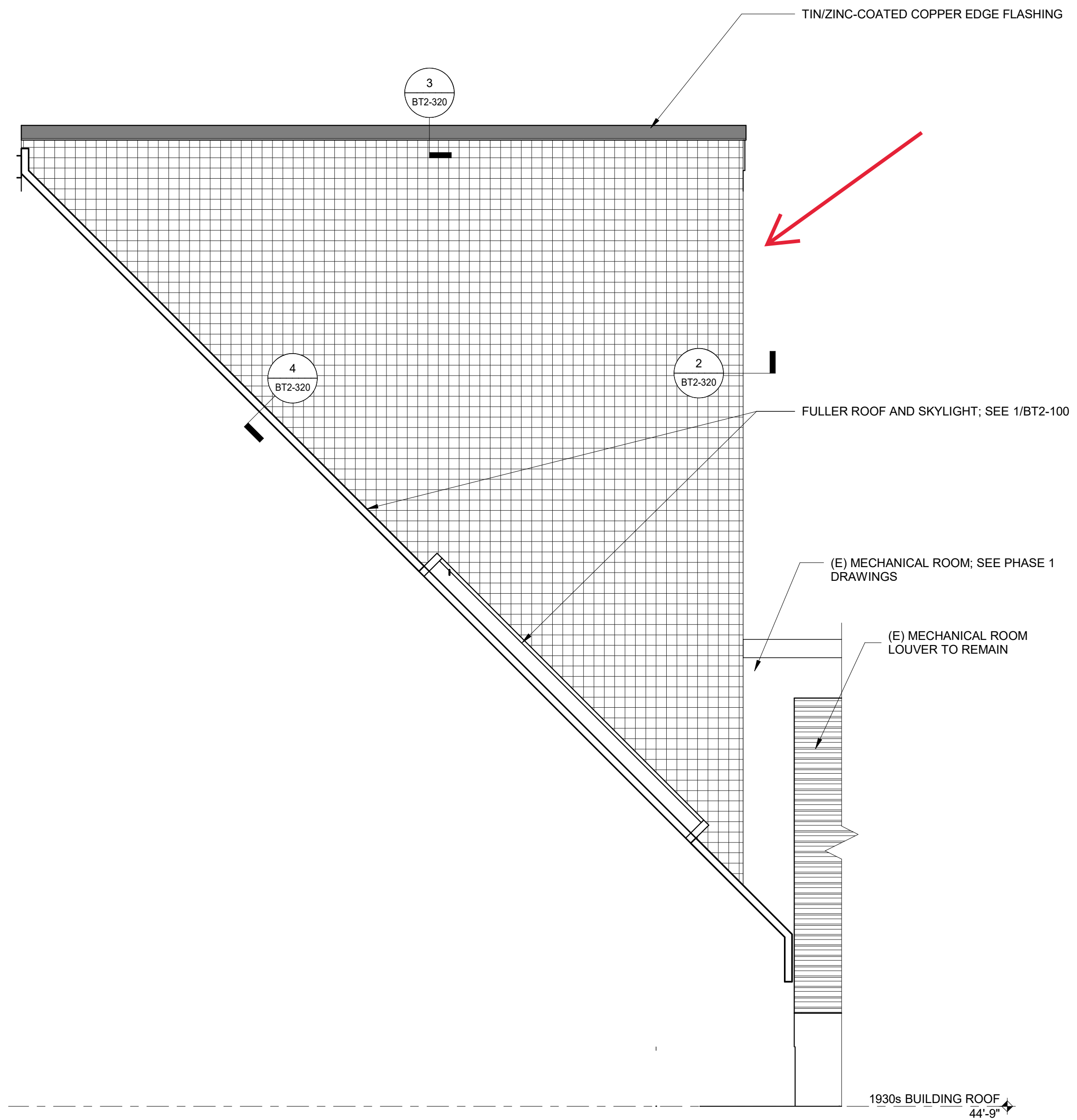
1. PROTECT ALL SURROUNDING FINISHES AND STRUCTURE TO REMAIN.
2. DIMENSIONS, MEMBER SIZES, EXISTING FRAMING CONFIGURATIONS, RELATIVE ELEVATIONS, SCALE, ETC. ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD PRIOR TO BIDDING.
3. HAZARDOUS MATERIALS: HAZARDOUS MATERIALS FOUND IN PROJECT AREAS. COORDINATE WITH ABATEMENT DRAWINGS AND REQUIREMENTS OF OWNER'S HAZARDOUS MATERIALS CONSULTANT.

**WHC, Area of Interest
Phase 2: Fuller Conservation
Lab Roof & Skylight
Replacement**

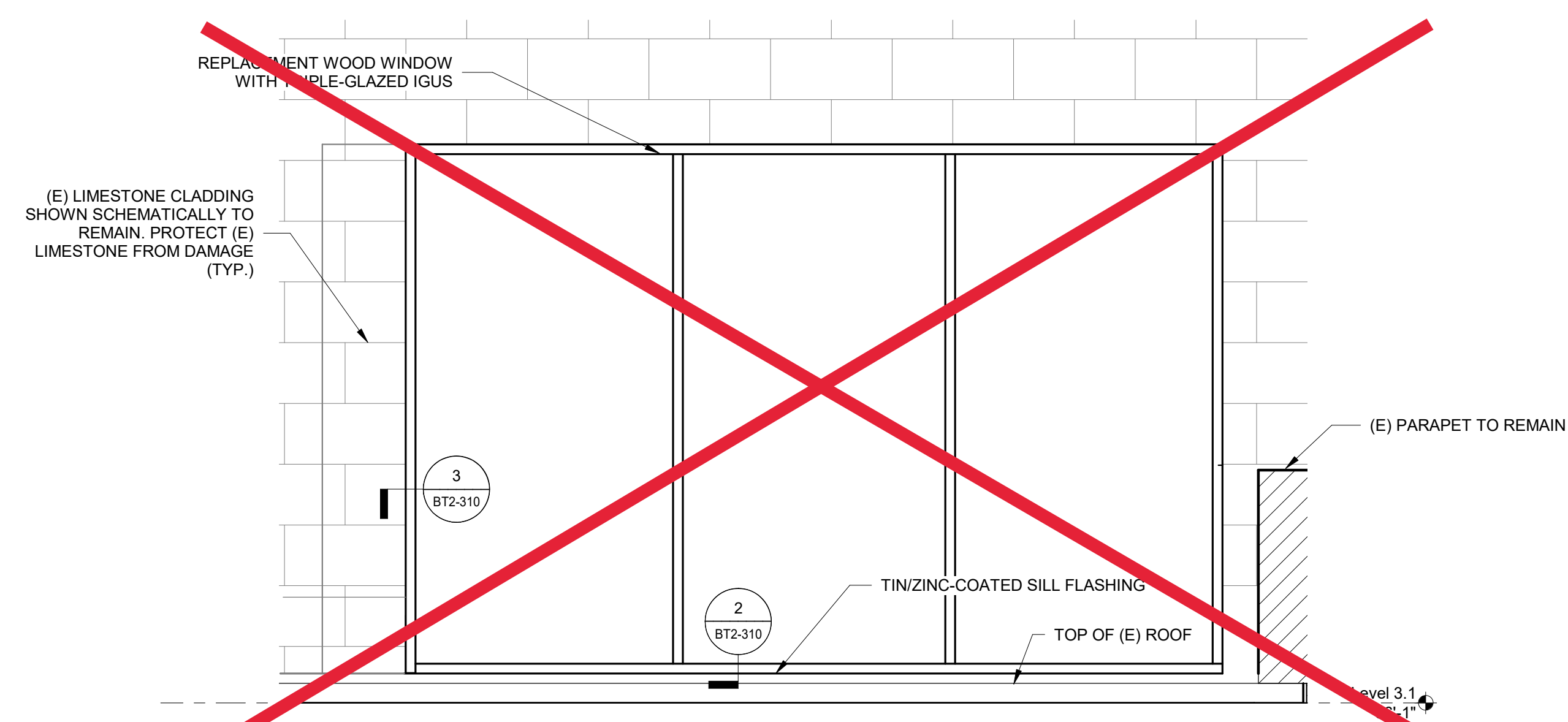
**WHC, Note of Omission
In-kind replacement of the window
assembly per the April 03, 2024
decision via the 1898/ 1983 Facade
Improvement project.**



1 FULLER LAB EAST ELEVATION
1/4" = 1'-0"



3 FULLER HIGH ROOF - WEST ELEVATION
1/2" = 1'-0"



2 FULLER LAB ENLARGED EAST ELEVATION
1/2" = 1'-0"

No.	Date	Description	By
5	7/22/22	PHASE 1 AND 2 - PERMIT SET	
4	03/31/22	PHASE 3 - 90% CDs	
3	02/11/22	PHASE 1 AND 2 BID SET	
2	12/16/21	50% CONSTRUCTION DOCUMENTS	
1	10/28/21	100% DESIGN DEVELOPMENT	

1930s Building Roof & Fuller Lab Envelope Improvements
WORCESTER ART MUSEUM
WORCESTER, MA

Project
**PHASE 2
FULLER LAB PARTIAL ELEVATIONS**
Drawing Title

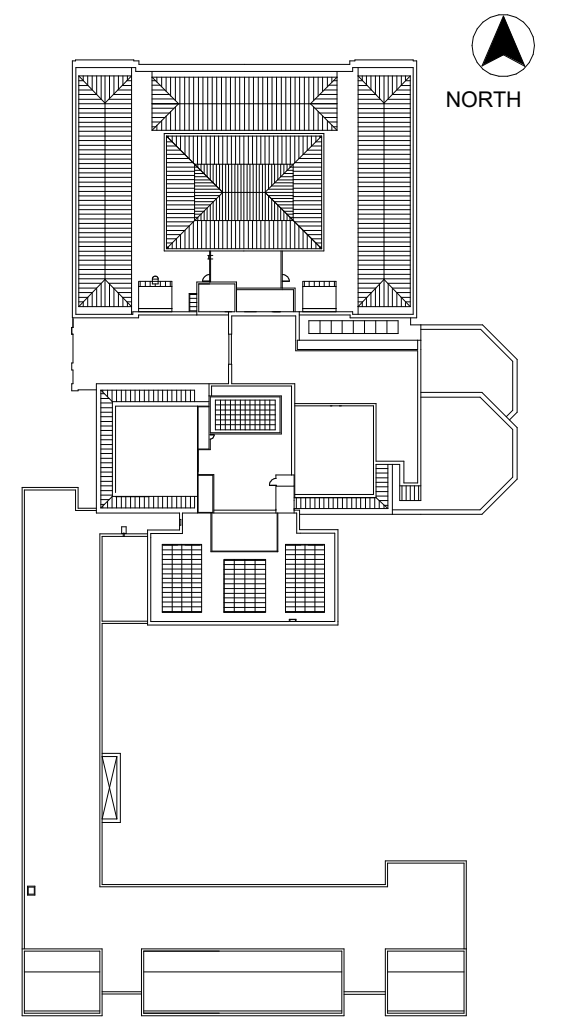
Project No. 210608.00	Checked CCW	Date 7/22/2022
Drawn KEM/BBS/MAW	Approved JSD	Scale As indicated
Drawing No. BT2-200		

7/22/2022 10:35:13 AM
B:\3652\Roof & Fuller Lab Envelope Improvements\210608.00_WAM-ROOF_R21_CENTRAL.rvt



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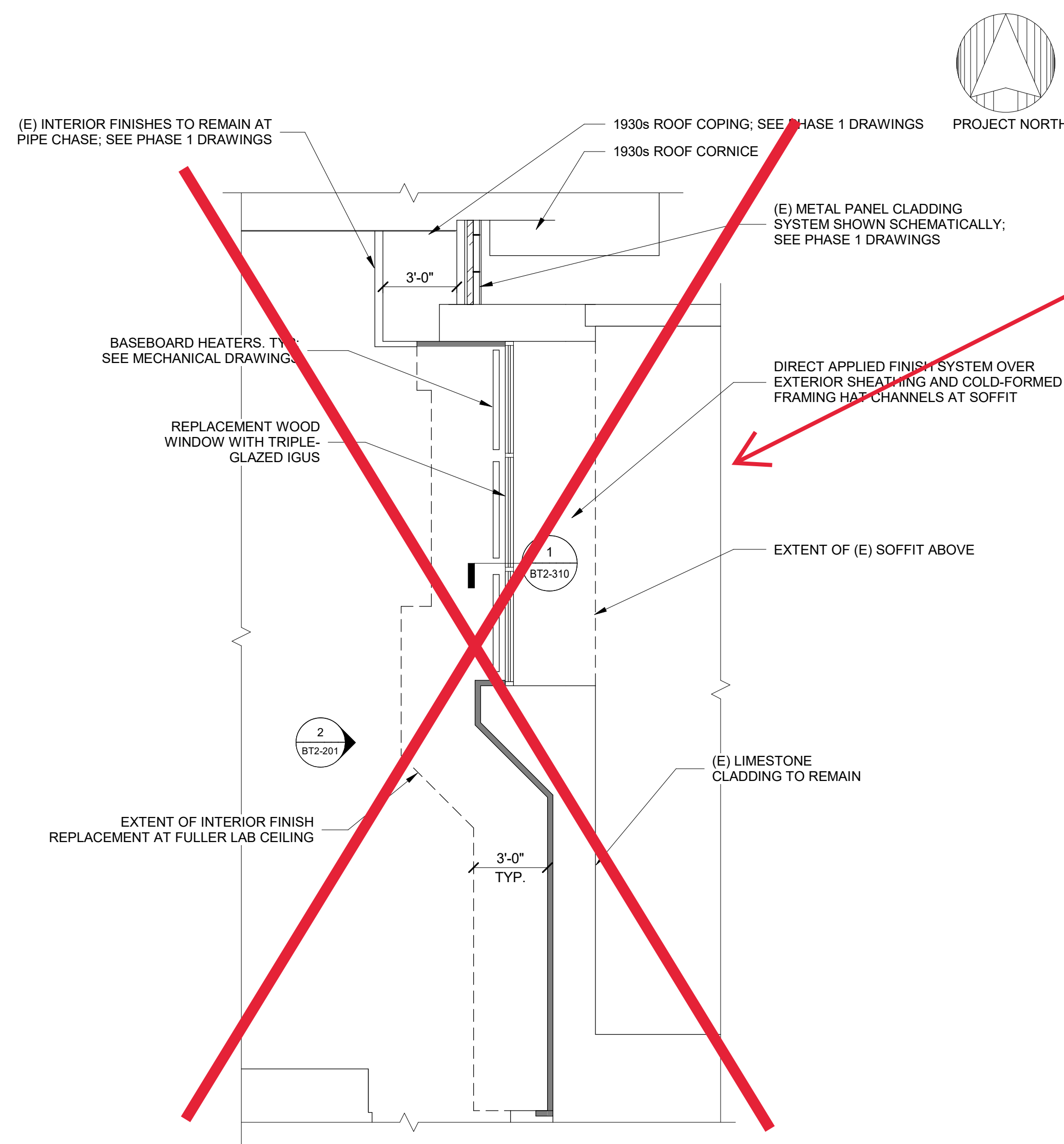
KEY PLAN

WHC, Note of Omission
Per previous notes, this scope is omitted, both curtain wall and window assembly.

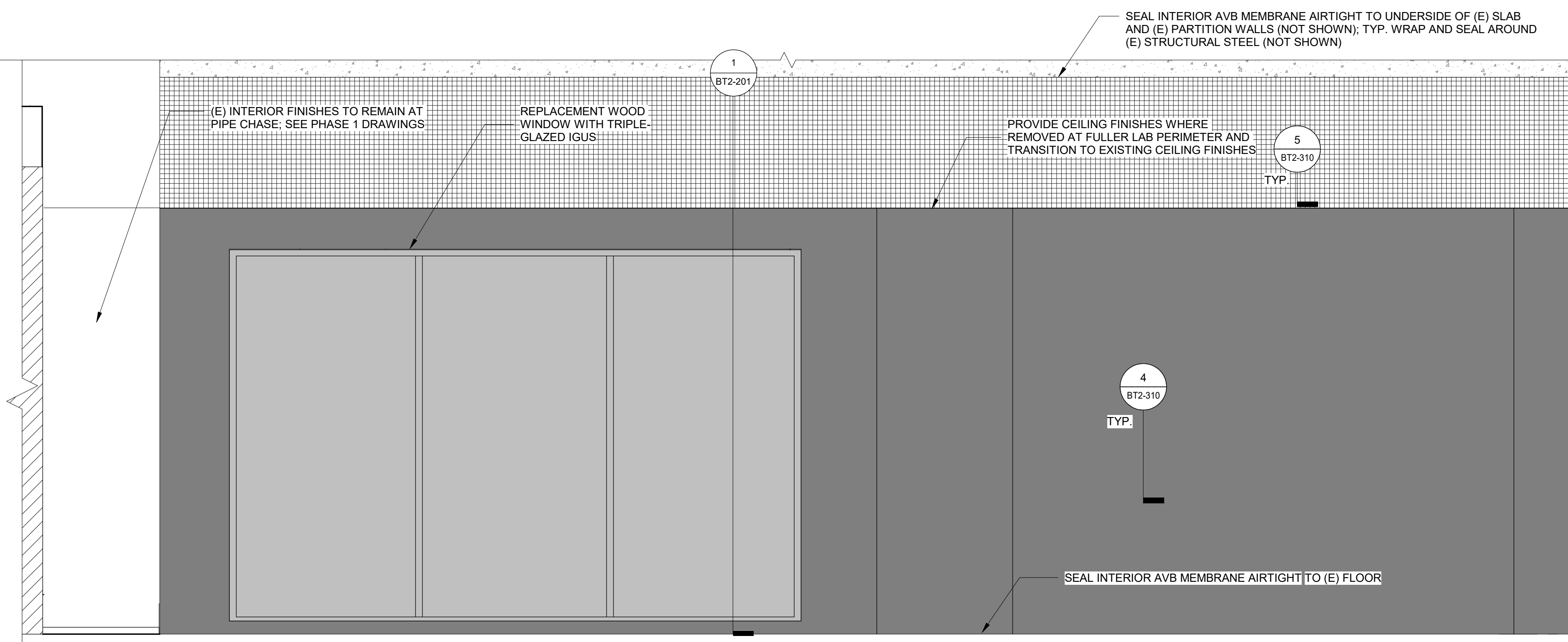
- LEGEND**
- PROVIDE MINERAL WOOL INSULATION BETWEEN STUDS, SHEATHING, INTERIOR AVB MEMBRANE, AND GYPSUM WALLBOARD INTERIOR FINISHES; SEE DETAIL 4/BT2-310
 - REPLACEMENT WOOD WINDOW WITH TRIPLE-GLAZED IGUS
 - COLD-FORMED FRAMING MINERAL WOOL INSULATION BETWEEN STUDS, INTERIOR AVB MEMBRANE

- SCOPE OF WORK:**
1. PROVIDE WOOD WINDOW WITH TRIPLE-GLAZING AT PUNCH WINDOW OPENING. PROVIDE SELF-ADHERING MEMBRANE FLASHING AT ROUGH OPENING, FULLY-SOLDERED TINZING-COATED COPPER SILL FLASHING, AND BACKER ROD AND SEALANT AT WINDOW PERIMETER.
 2. PROVIDE MINERAL WOOL INSULATION BETWEEN (E) COLD-FORMED FRAMING STUDS, SHEATHING, INTERIOR AVB MEMBRANE, AND GYPSUM WALLBOARD INTERIOR FINISHES AT THE FULLER LAB INTERIOR. ABOVE THE CEILING, PROVIDE COLD-FORMED FRAMING WITH MINERAL WOOL INSULATION BETWEEN THE STUDS, SHEATHING, AND SEAL THE INTERIOR AVB MEMBRANE TO THE UNDERSIDE OF THE (E) FLOOR SLAB ABOVE AND TO STRUCTURAL STEEL. SEAL AIR BARRIER MEMBRANE TO (E) MASONRY AT END WALLS AND TO FLOOR SLAB. TIE INTERIOR FINISHES INTO (E) TO REMAIN.
 3. PROVIDE COLD-FORMED FRAMING HAT CHANNELS ABOVE THE EXTERIOR SOFFIT WITH CLOSED-CELL SPRAY FOAM.

- NOTES:**
1. PROVIDE TEMPORARY PROTECTION AS REQUIRED DURING REMOVALS TO MAINTAIN WEATHER-TIGHTNESS AND STRUCTURAL INTEGRITY.
 2. DIMENSIONS, RELATIVE ELEVATIONS, SCALE, ETC. ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD PRIOR TO BIDDING.
 3. HAZARDOUS MATERIALS: HAZARDOUS MATERIALS FOUND IN PROJECT AREA. COORDINATE WITH ABATEMENT DRAWINGS AND REQUIREMENTS OF OWNER'S HAZARDOUS MATERIALS CONSULTANT.



1 FULLER LAB EXTERIOR WALL PART PLAN
1/4" = 1'-0"



2 FULLER LAB PARTIAL INTERIOR ELEVATION
1/2" = 1'-0"

No.	Date	Description	By
5	7/22/22	PHASE 1 AND 2 - PERMIT SET	
4	03/31/22	PHASE 3 - 90% CDs	
3	02/11/22	PHASE 1 AND 2 BID SET	
2	12/16/21	50% CONSTRUCTION DOCUMENTS	
1	10/28/21	100% DESIGN DEVELOPMENT	

1930s Building Roof & Fuller Lab Envelope Improvements
WORCESTER ART MUSEUM
WORCESTER, MA

Project

PHASE 2
FULLER LAB WALL PART PLAN AND INTERIOR ELEVATION

Drawing Title

Project No. 210608.00	Checked CCW	Date 7/22/2022
Drawn KEM/BBS/MAW	Approved JSD	Scale As indicated

Drawing No.

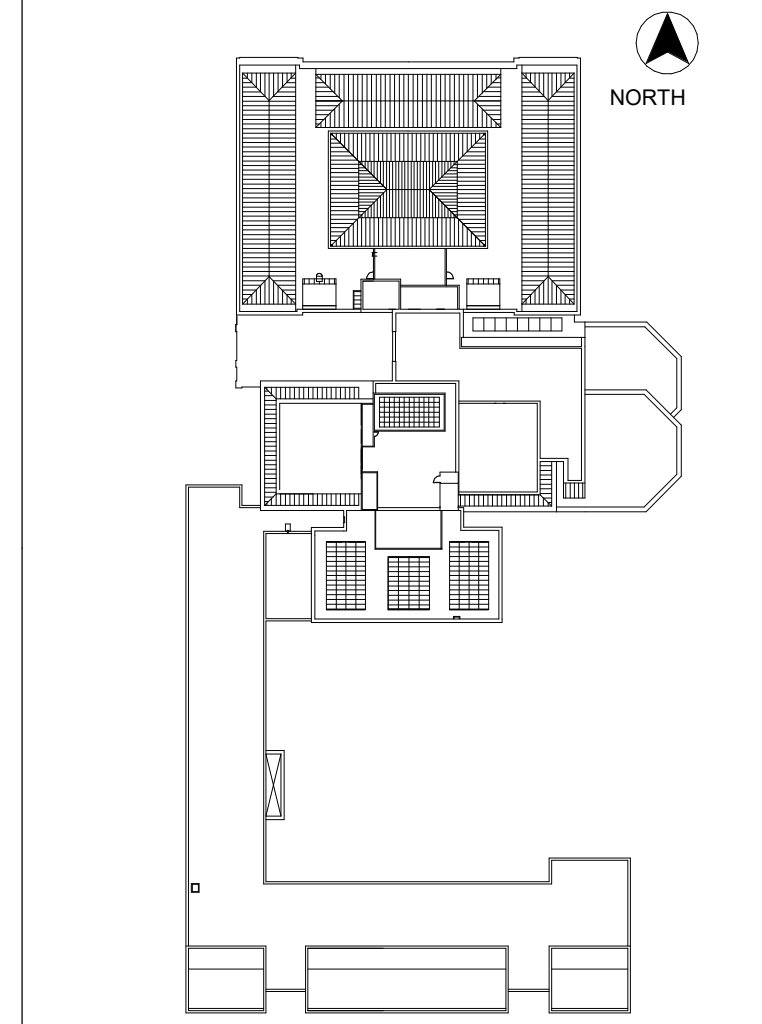
BT2-201

Seal



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KEY PLAN

No.	Date	Description	By
5	7/22/22	PHASE 1 AND 2 - PERMIT SET	
4	03/31/22	PHASE 3 - 90% CDs	
3	02/11/22	PHASE 1 AND 2 BID SET	
2	12/16/21	50% CONSTRUCTION DOCUMENTS	
1	10/28/21	100% DESIGN DEVELOPMENT	

1930s Building Roof & Fuller Lab Envelope Improvements
WORCESTER ART MUSEUM
WORCESTER, MA

Project

PHASE 2
PVC ROOF DETAILS

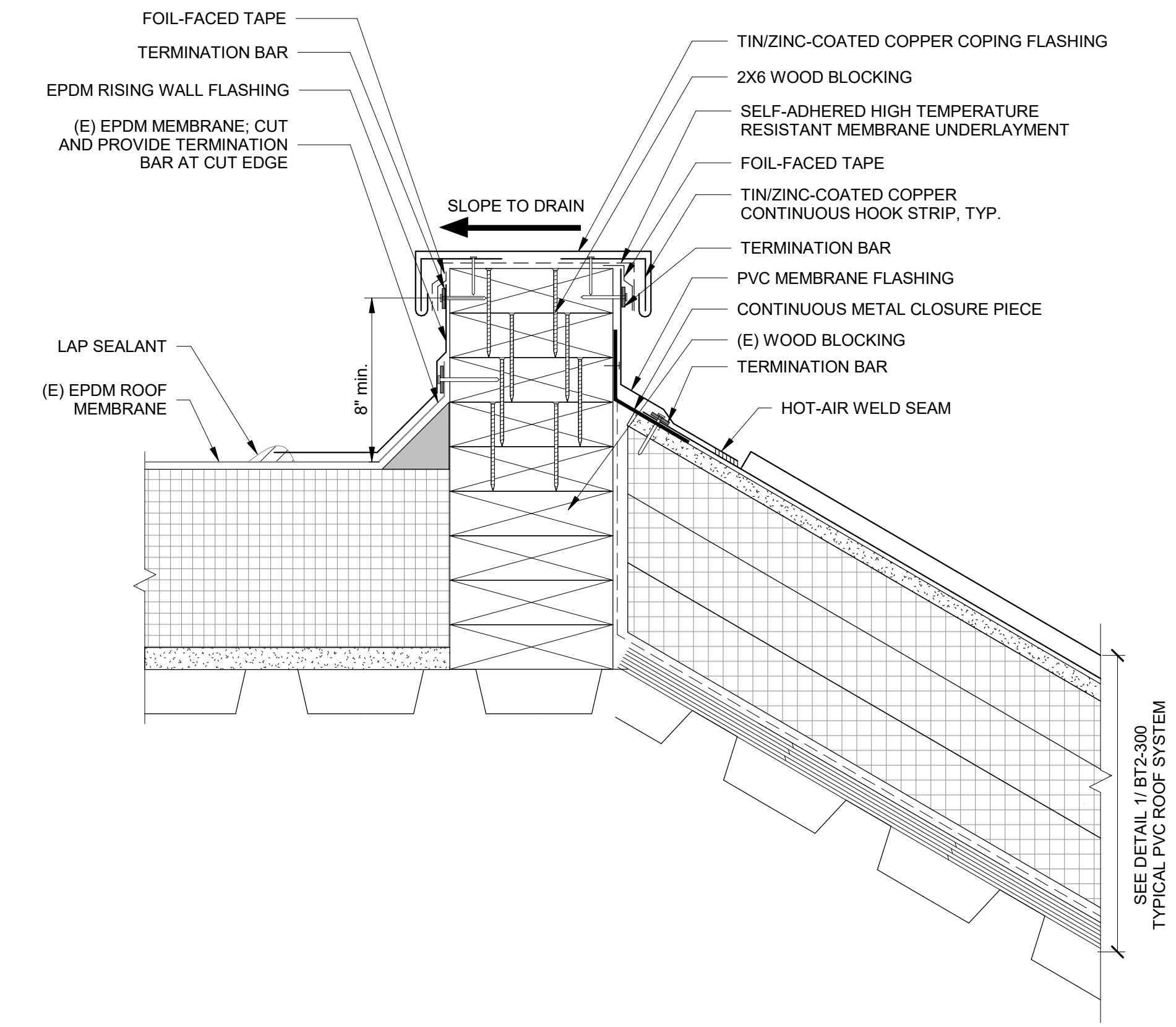
Drawing Title

Project No. 210608.00	Checked CCW	Date 7/22/2022
Drawn KEM/BBS/MAW	Approved JSD	Scale As indicated

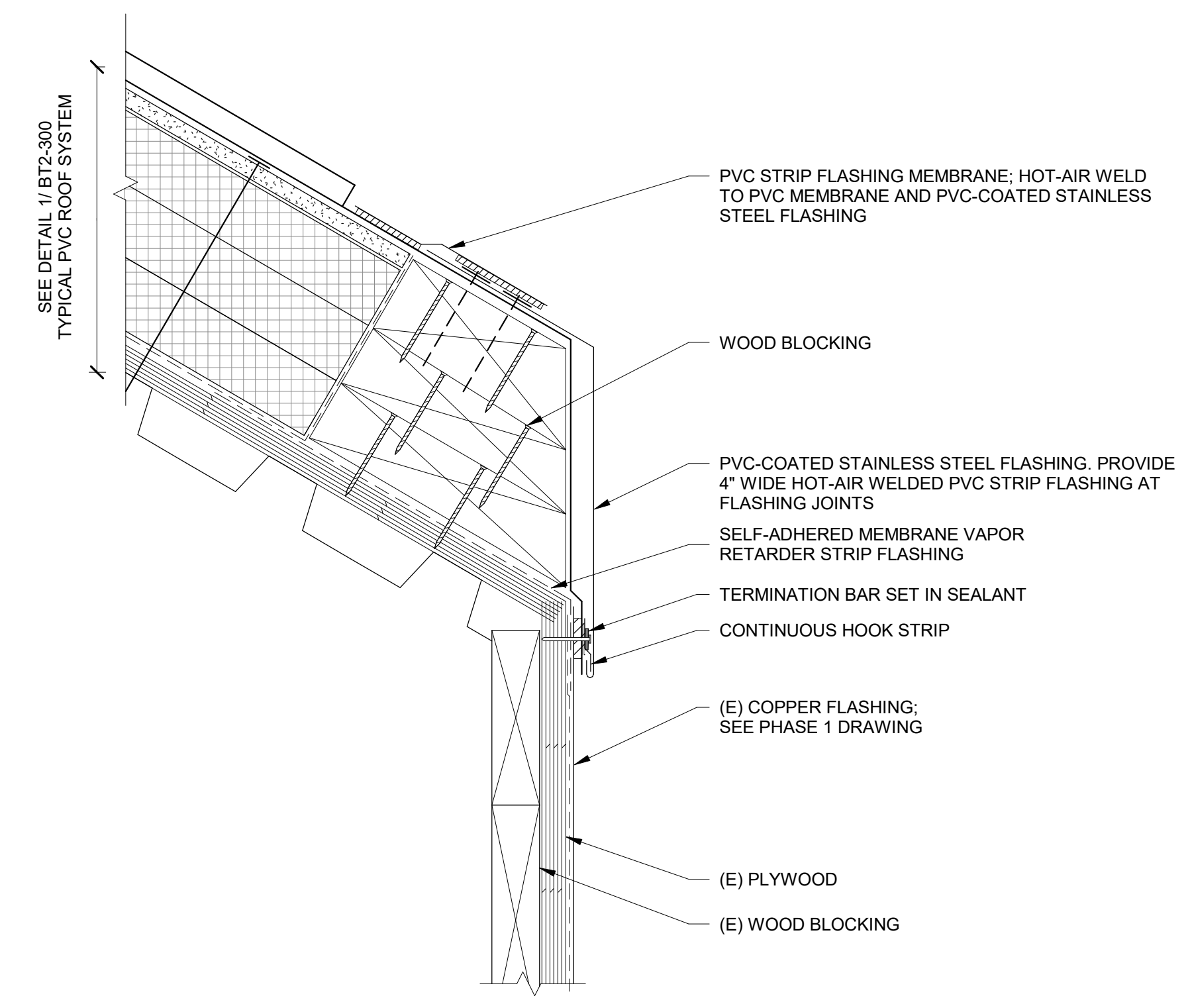
Drawing No.

BT2-300

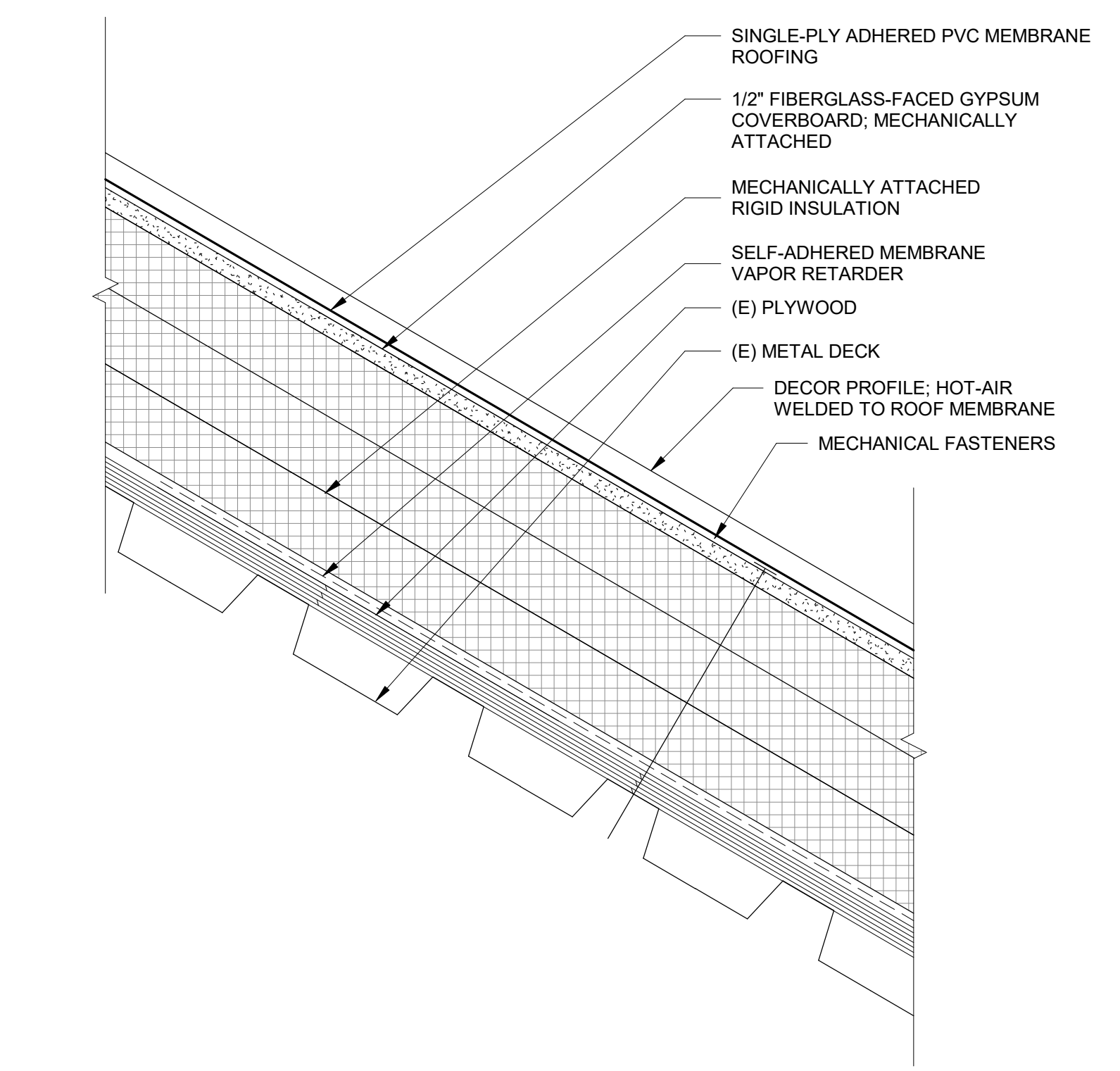
Seal



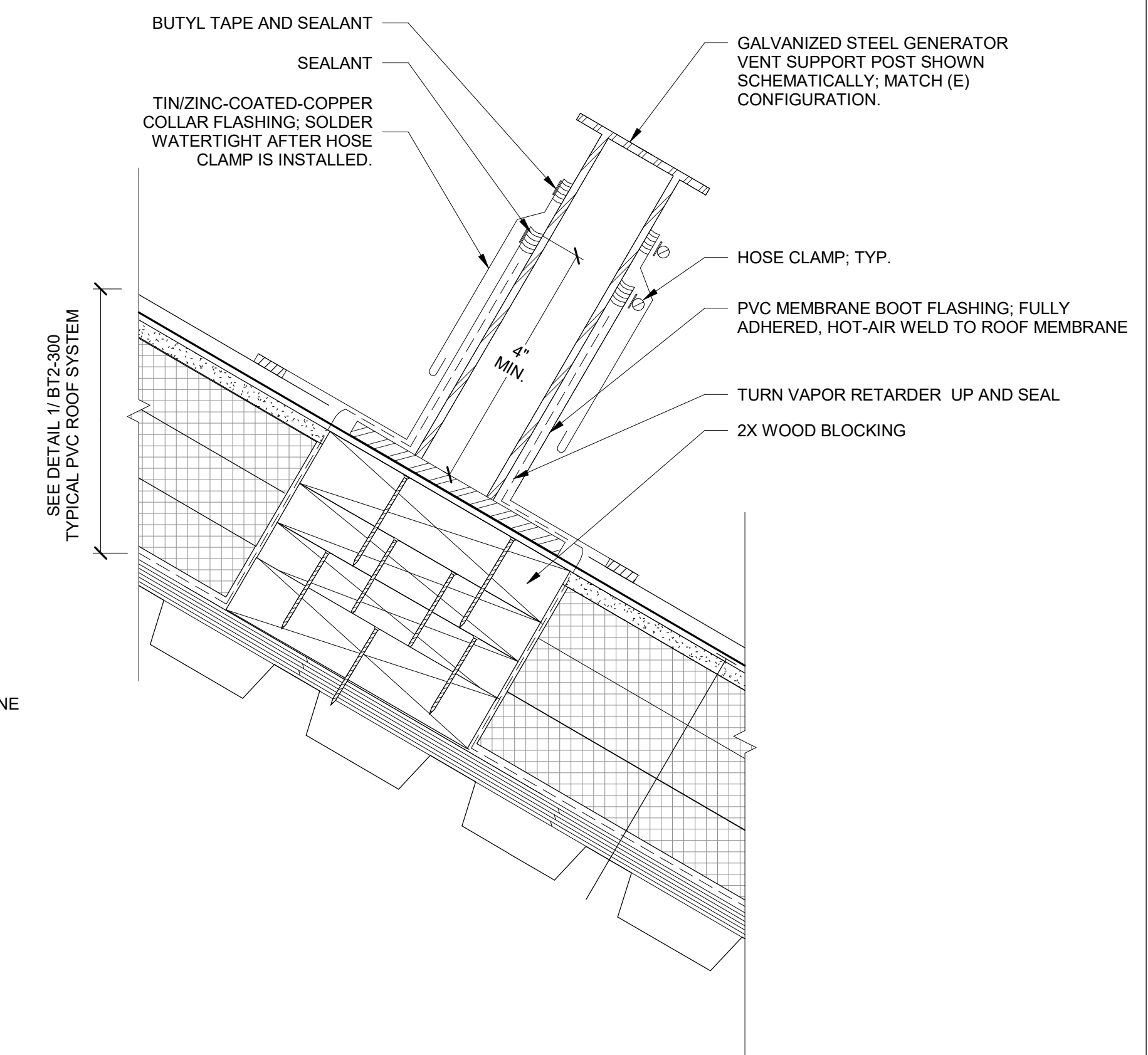
3 PVC ROOF RIDGE FLASHING
NTS



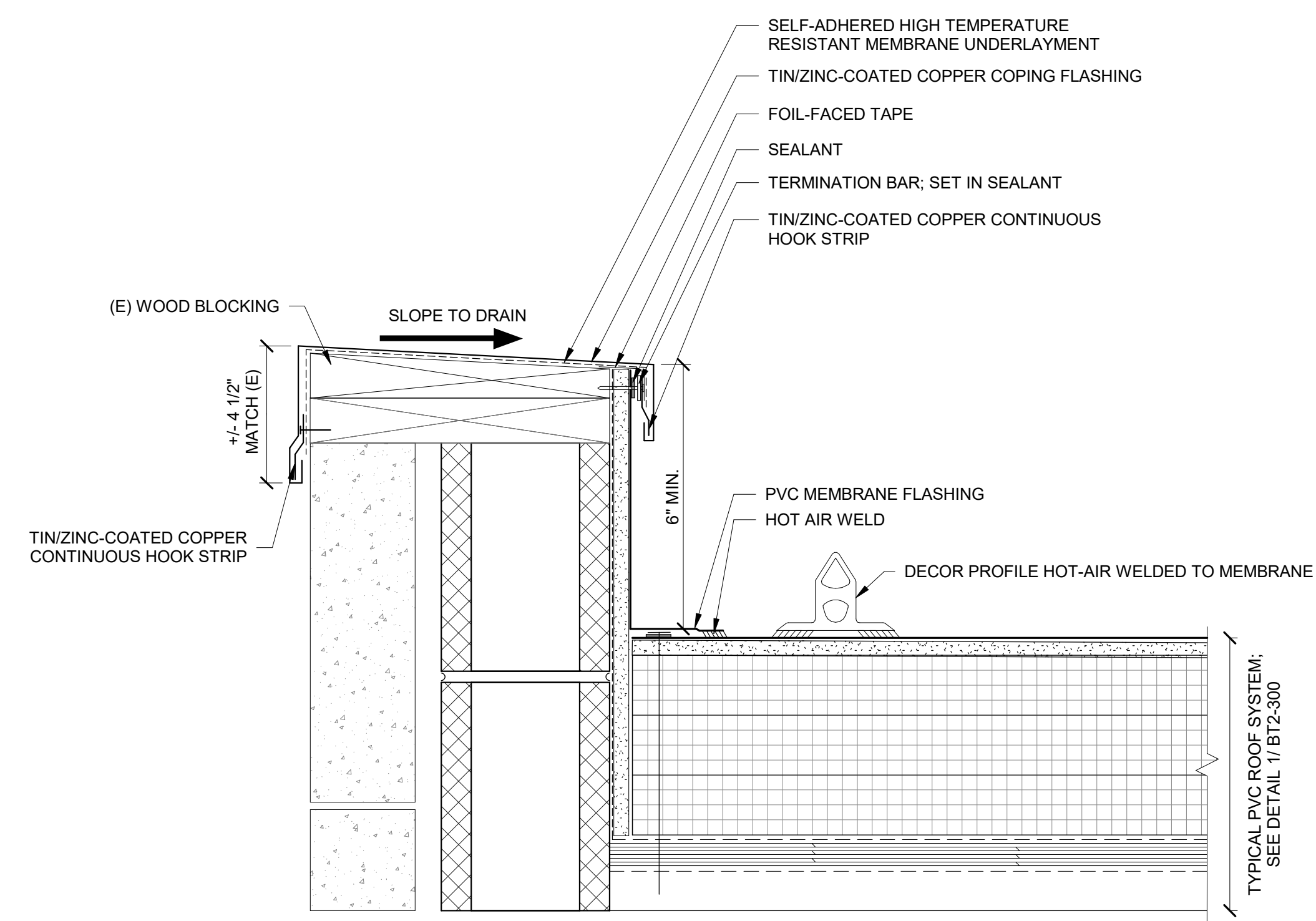
2 PVC ROOF EAVE
NTS



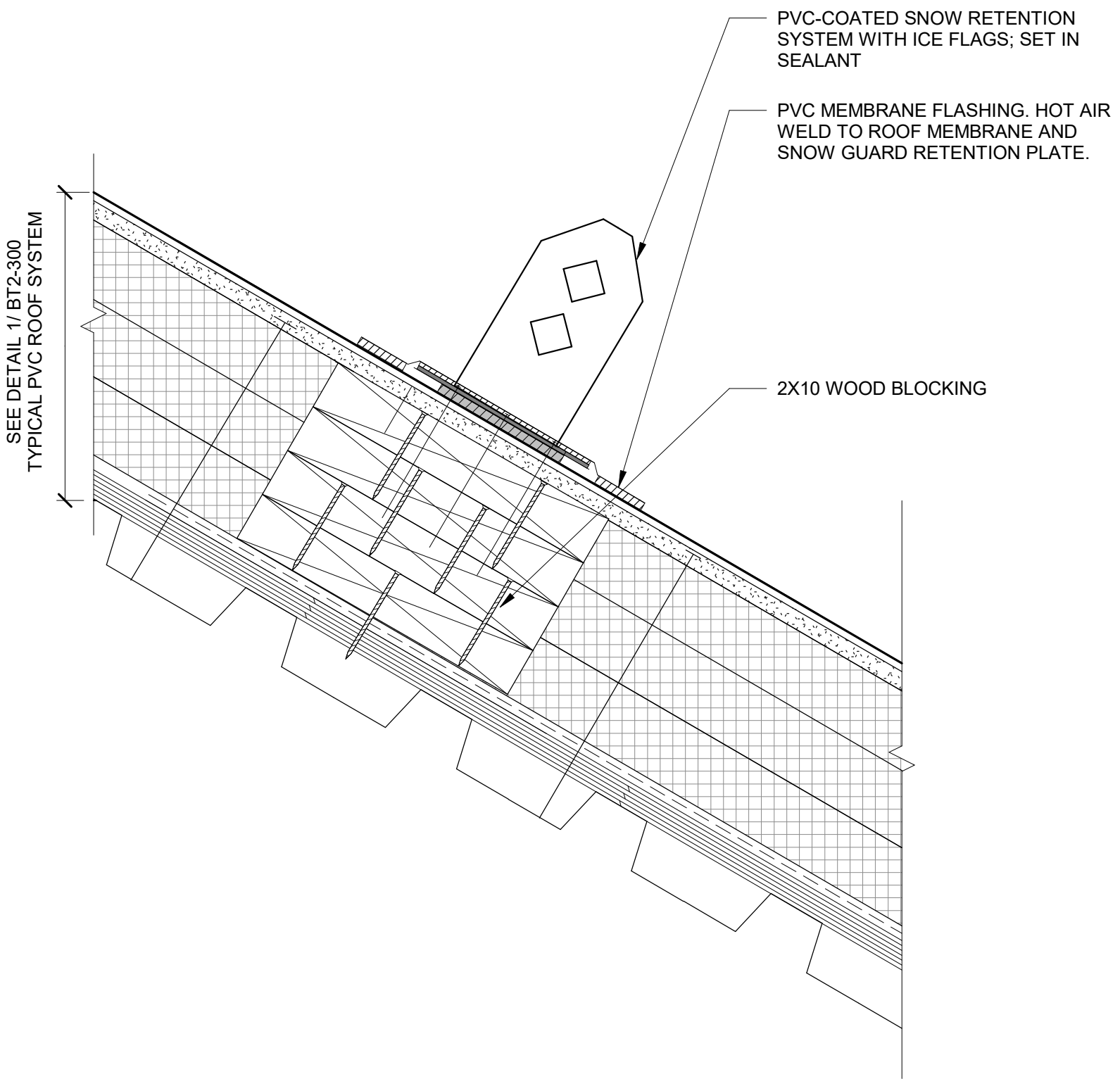
1 TYPICAL PVC ROOFING SYSTEM
NTS



6 GENERATOR VENT ATTACHMENT POST
NTS



5 COPING FLASHING
NTS



4 TYPICAL SNOW RETENTION SYSTEM FLASHING
NTS

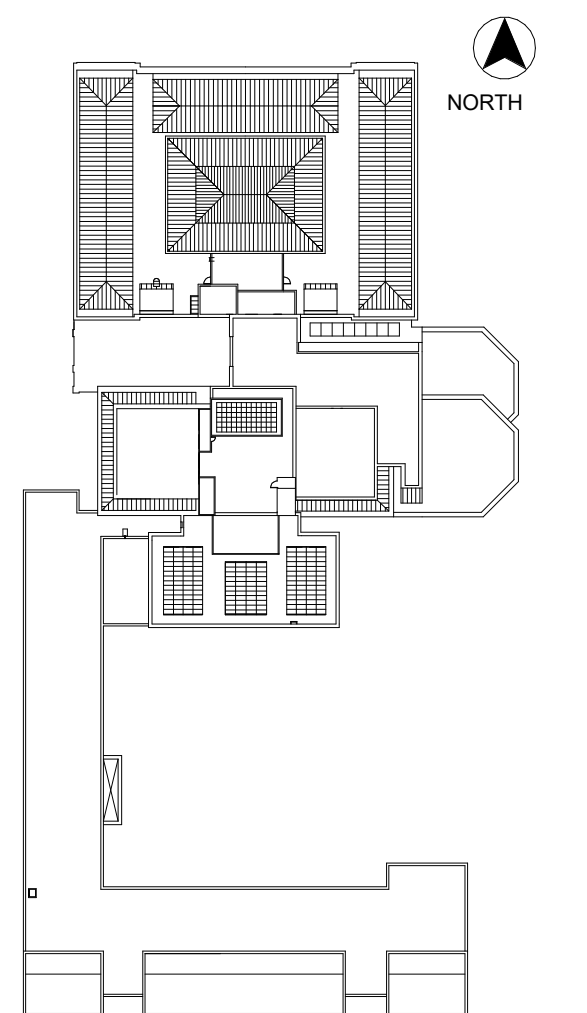
WHC, Area of Interest
Phase 2: Fuller Conservation
Lab Roof & Skylight
Replacement

WHC, Area of Interest
Phase 2: Fuller Conservation
Lab Roof & Skylight
Replacement

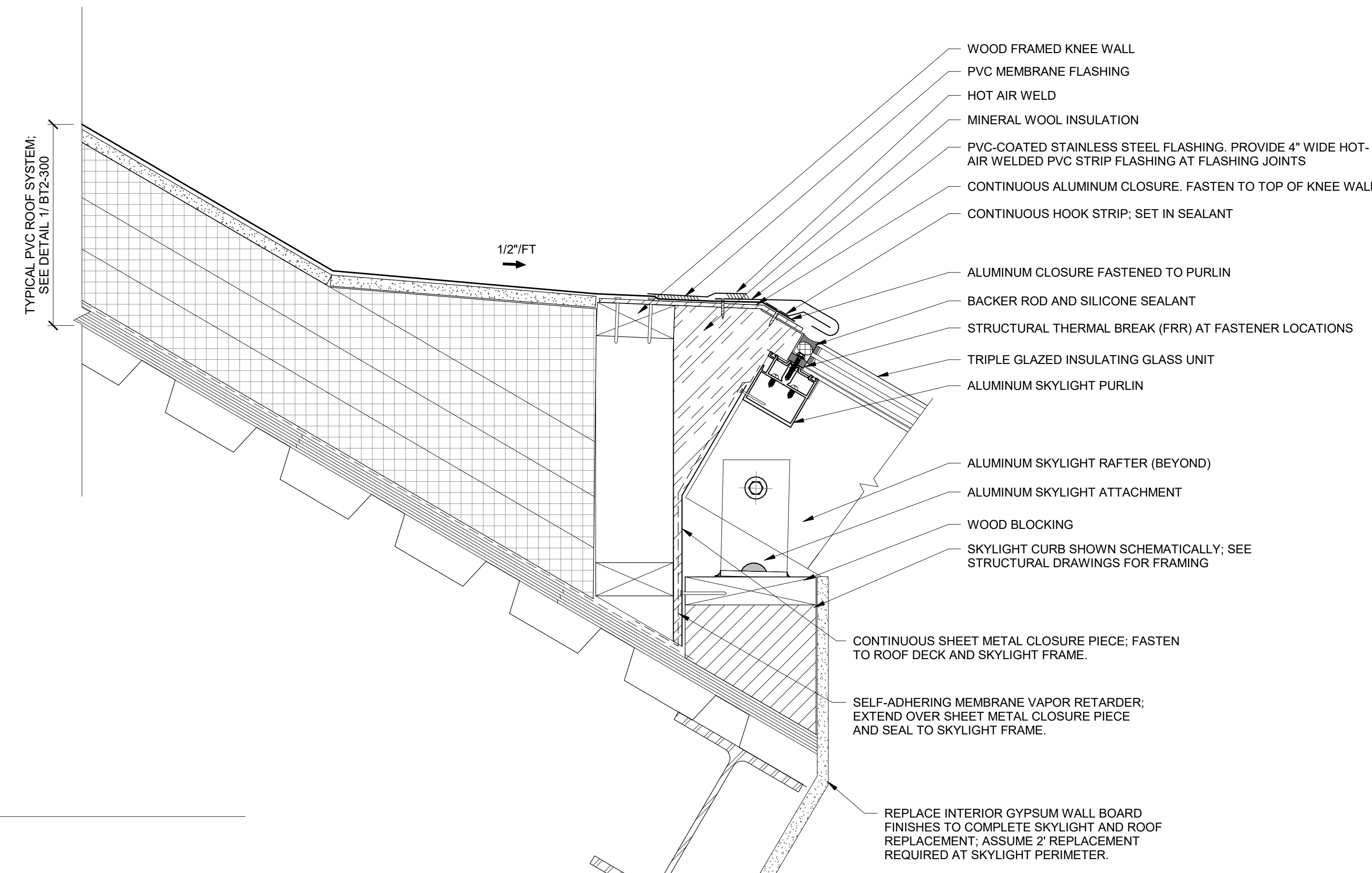


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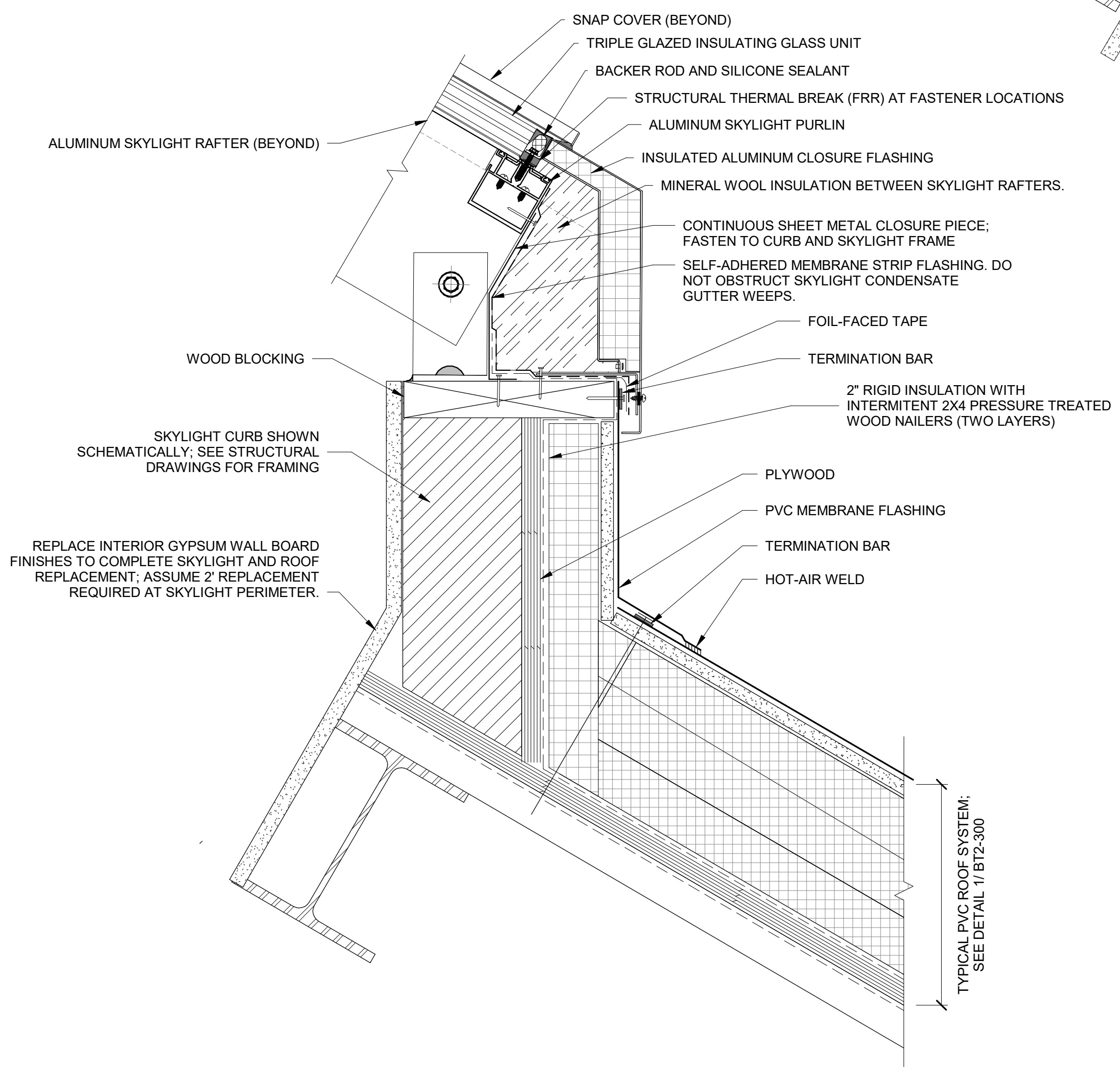
sgh.com



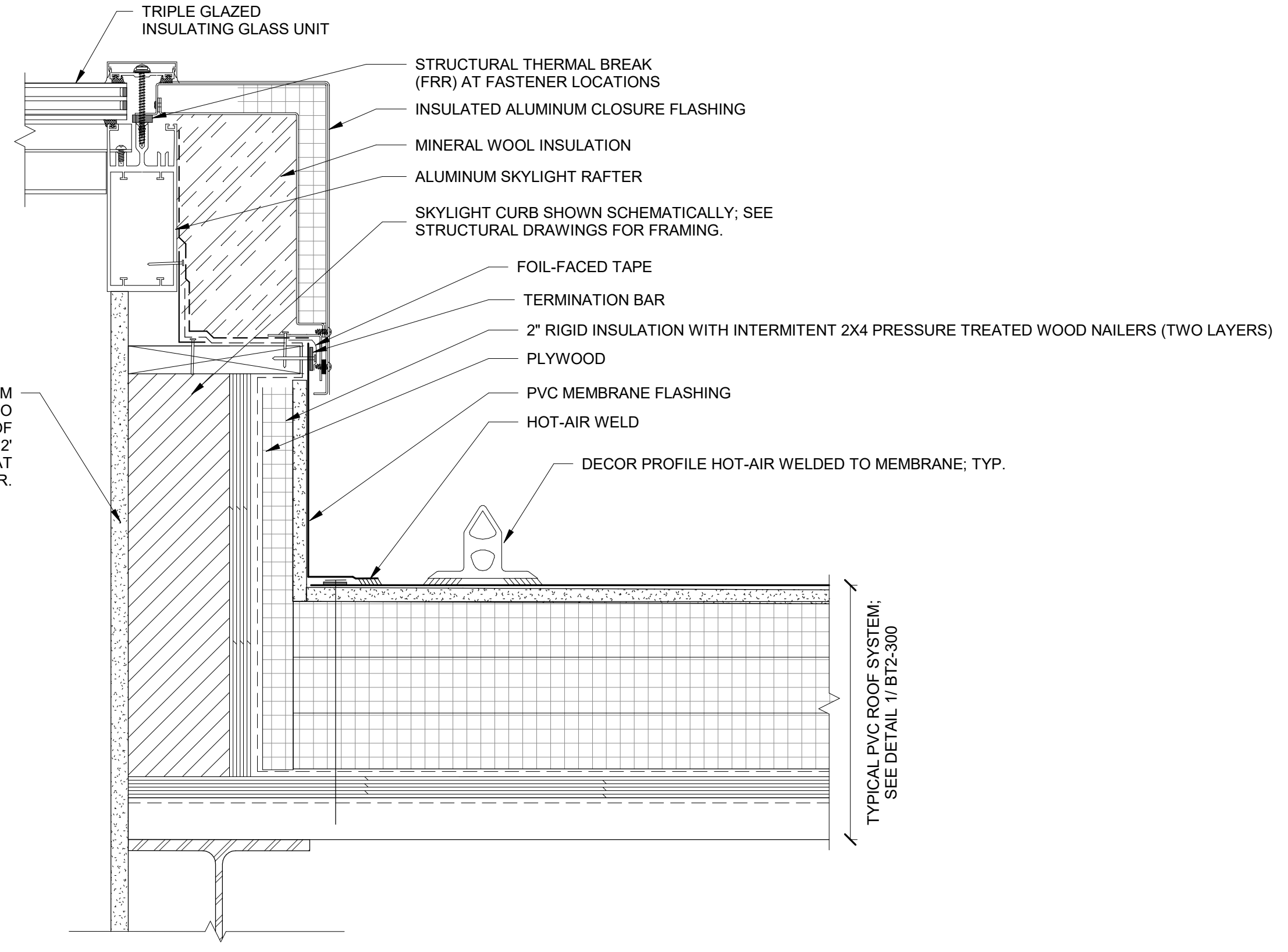
KEY PLAN



1 SKYLIGHT HEAD
NTS



2 SKYLIGHT SILL
NTS



3 SKYLIGHT JAMB
NTS

No.	Date	Description	By
5	7/22/22	PHASE 1 AND 2 - PERMIT SET	
4	03/31/22	PHASE 3 - 90% CDs	
3	02/11/22	PHASE 1 AND 2 BID SET	
2	12/16/21	50% CONSTRUCTION DOCUMENTS	
1	10/28/21	100% DESIGN DEVELOPMENT	

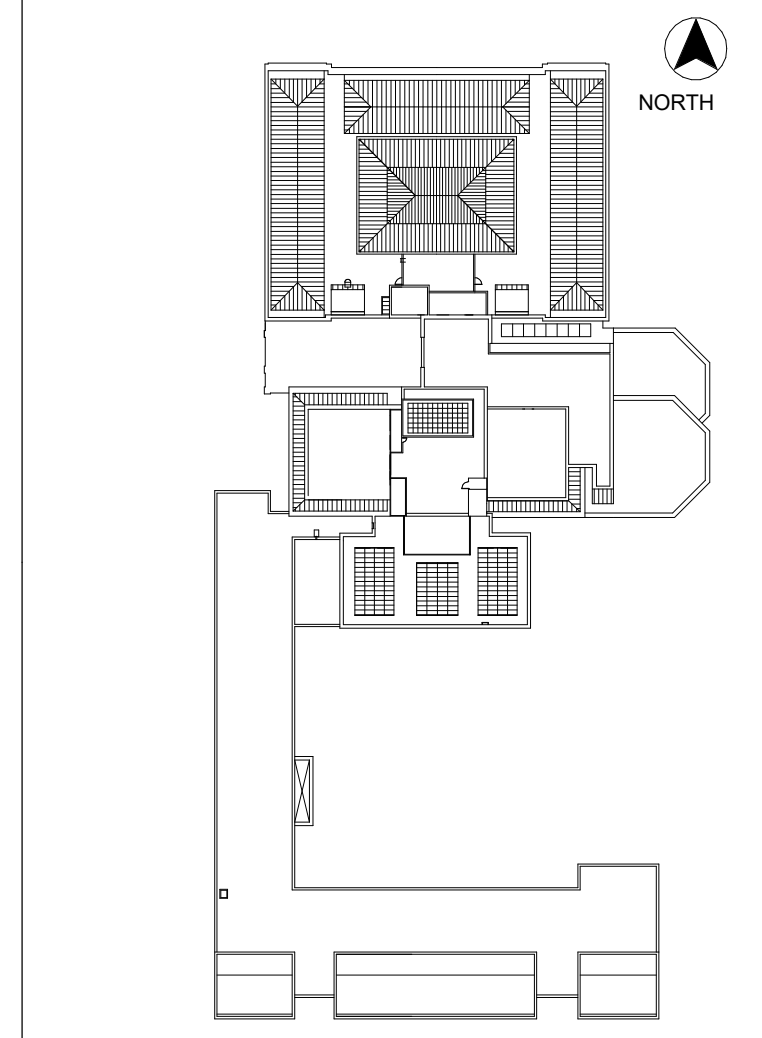
1930s Building Roof & Fuller Lab Envelope Improvements
WORCESTER ART MUSEUM
WORCESTER, MA

Project

PHASE 2
PVC ROOF DETAILS

Project No. 210608.00	Checked CCW	Date 7/22/2022
Drawn KEM/BBS/MAW	Approved JSD	Scale As indicated
Drawing No. BT2-301		

7/22/2022 10:35:15 AM BIM 360/Revit & Fuller Lab Envelope Improvements210608.00_WAM-ROOF_R21_CENTRAL.rvt



KEY PLAN

No.	Date	Description	By
5	7/22/22	PHASE 1 AND 2 - PERMIT SET	
4	03/31/22	PHASE 3 - 90% CDs	
3	02/11/22	PHASE 1 AND 2 BID SET	
2	12/16/21	50% CONSTRUCTION DOCUMENTS	
1	10/28/21	100% DESIGN DEVELOPMENT	

1930s Building Roof & Fuller Lab Envelope Improvements
WORCESTER ART MUSEUM
WORCESTER, MA

Project

PHASE 2
WINDOW DETAILS

Drawing Title

Project No. 210608.00	Checked CCW	Date 7/22/2022
Drawn KEM/BBS/MAW	Approved JSD	Scale As indicated

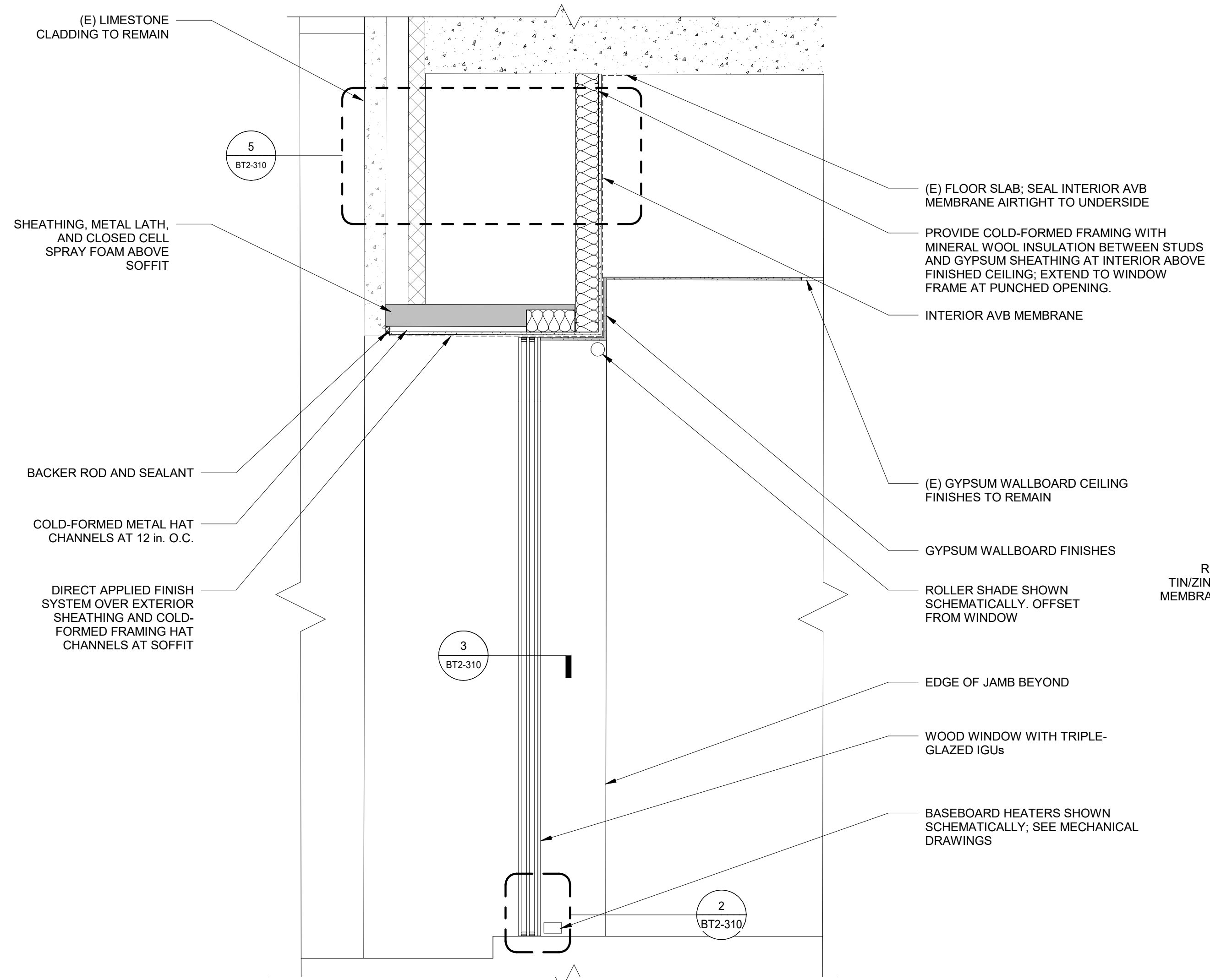
Drawing No.

BT2-310

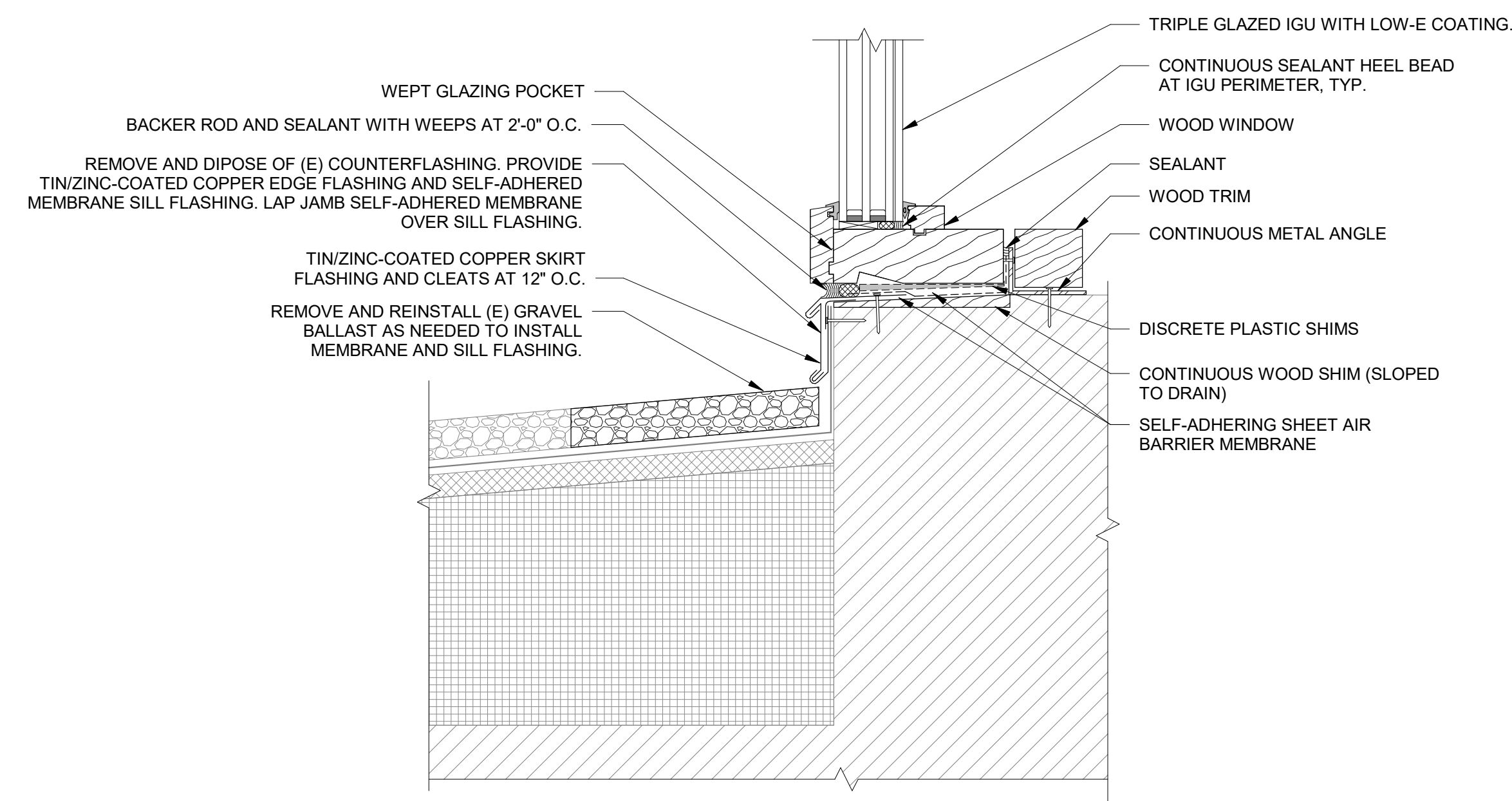
Seal

- NOTES:**
- (E) CONSTRUCTION BASED ON A SAMPLE OPENING AND THE ORIGINAL CONSTRUCTION DRAWINGS (TITLED "ADDITION AND ALTERATIONS TO THE WORCESTER ART MUSEUM" ARCHITECTURAL DRAWINGS PREPARED BY IRWIN A REGENT AND ASSOCIATES AND DATED 6 APRIL 1982).
 - CONTRACTOR TO VERIFY CONSTRUCTION IN FIELD AND NOTIFY ENGINEER OF ANY DISCREPANCIES FROM CONDITIONS SHOWN IN THIS DETAIL.

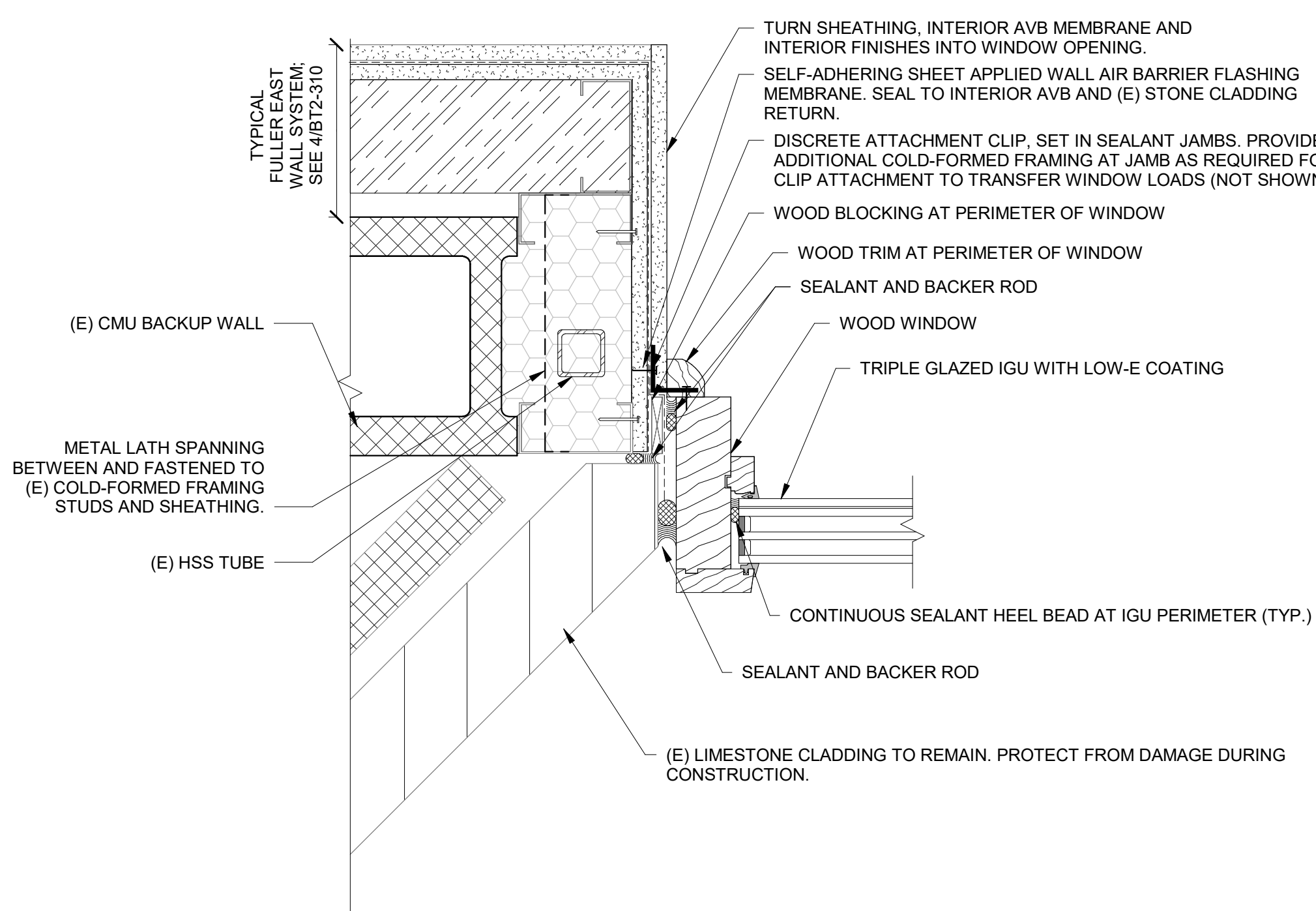
WHC, Area of Interest
Phase 2: Fuller Conservation
Lab Roof & Skylight Replacement



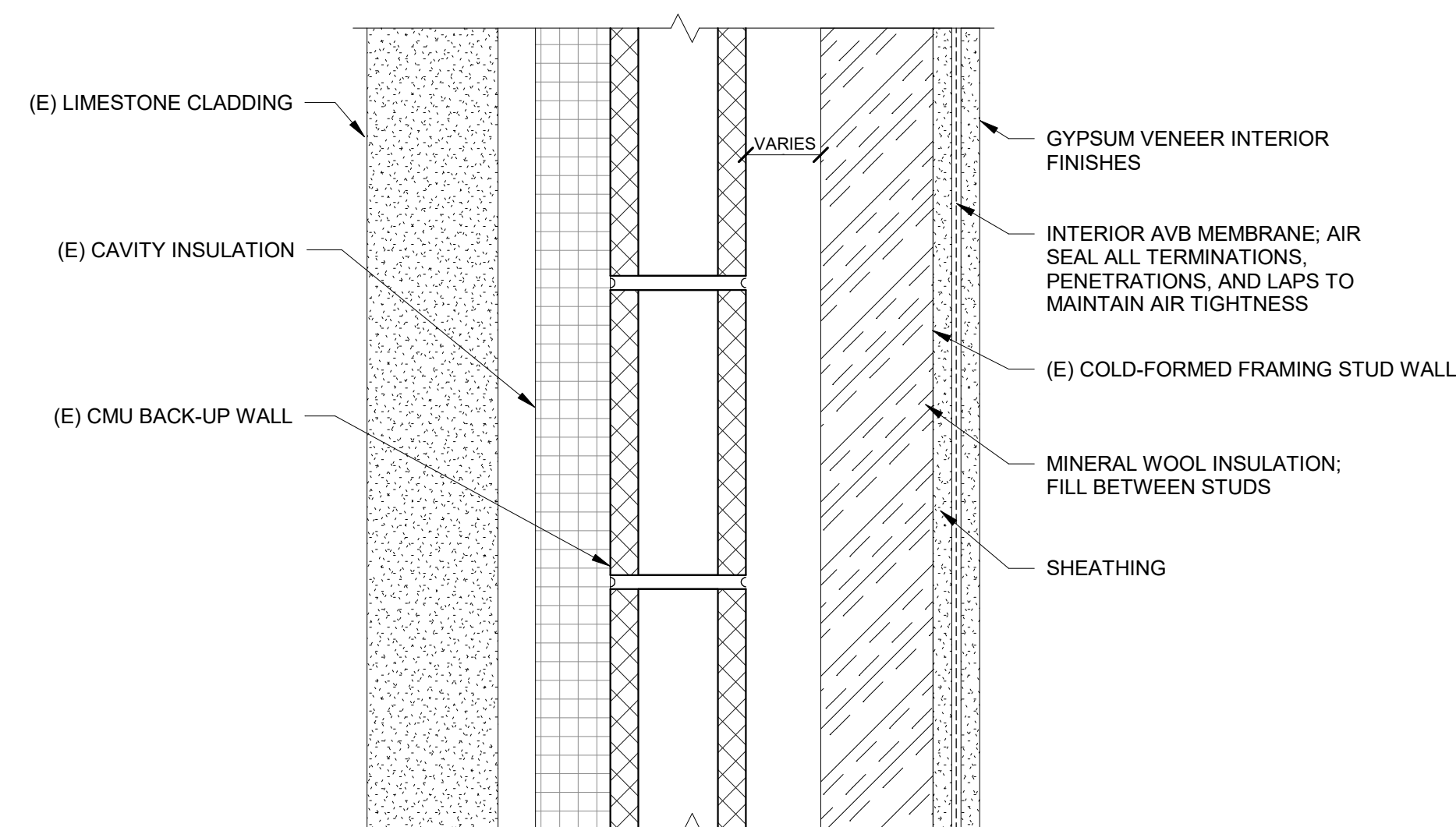
1 FULLER LAB WINDOW SECTION
3/4" = 1'-0"



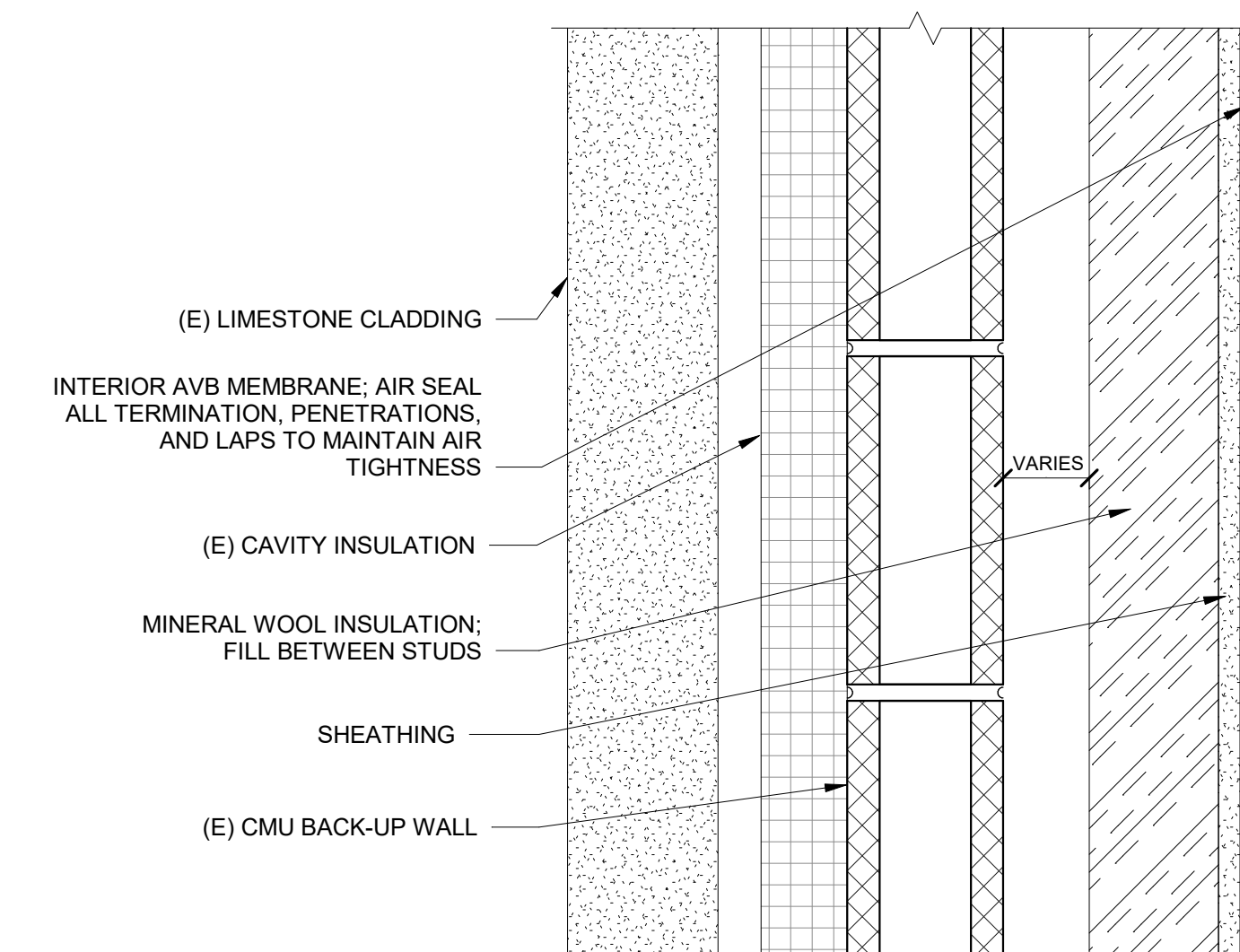
2 FULLER LAB WINDOW SILL
NTS



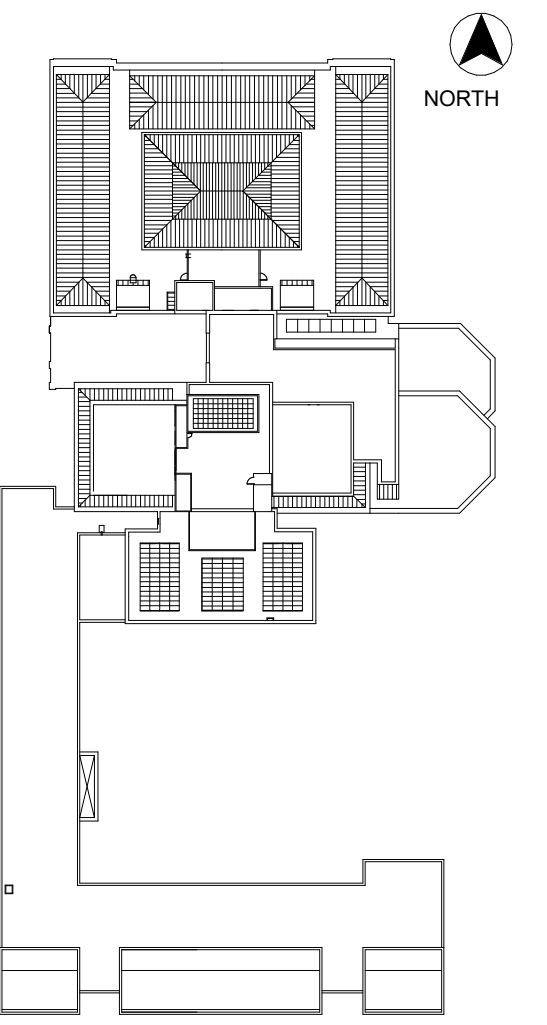
3 FULLER LAB WINDOW JAMB
NTS



4 FULLER LAB EAST WALL
NTS



5 FULLER LAB TYPICAL EAST WALL (ABOVE CEILING)
NTS



KEY PLAN

No.	Date	Description	By
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1930s Building Roof & Fuller Lab Envelope Improvements
WORCESTER ART MUSEUM
WORCESTER, MA

Project

PHASE 2
UHPC CLADDING DETAILS

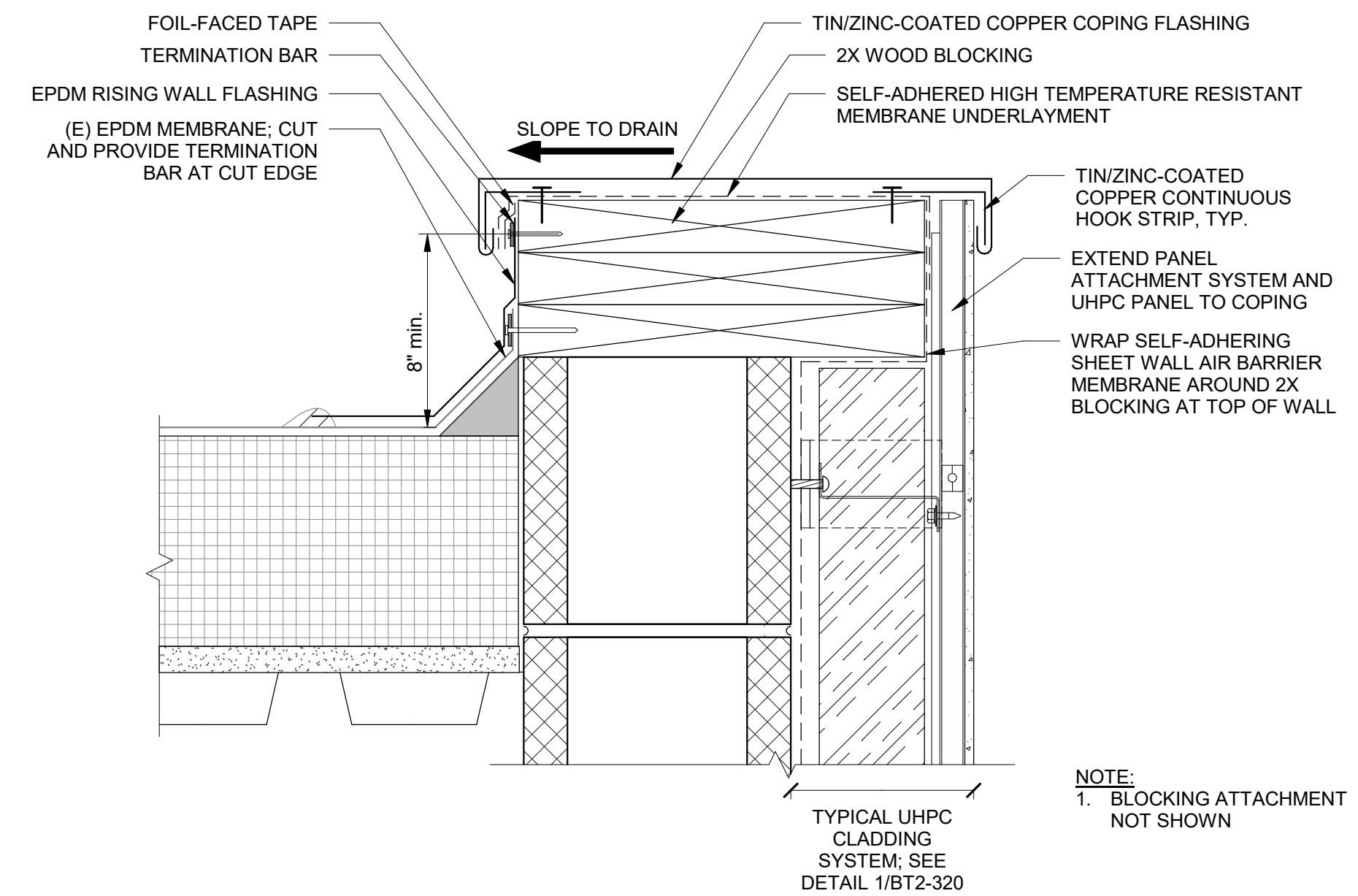
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Project No. 210608.00	Checked CCW	Date 7/22/2022
Drawn KEM/BBS/MAW	Approved JSD	Scale As indicated

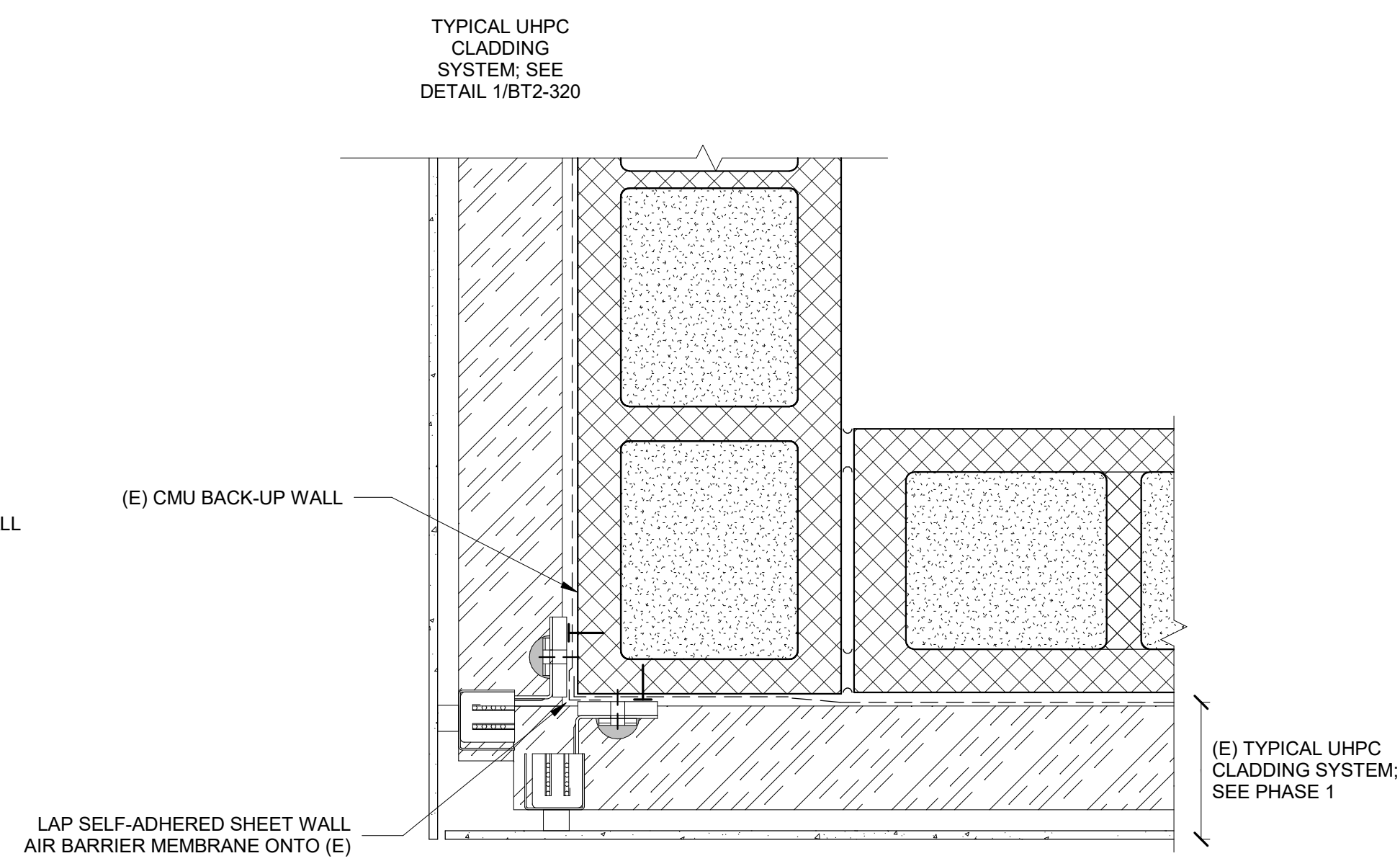
Drawing No.

BT2-320

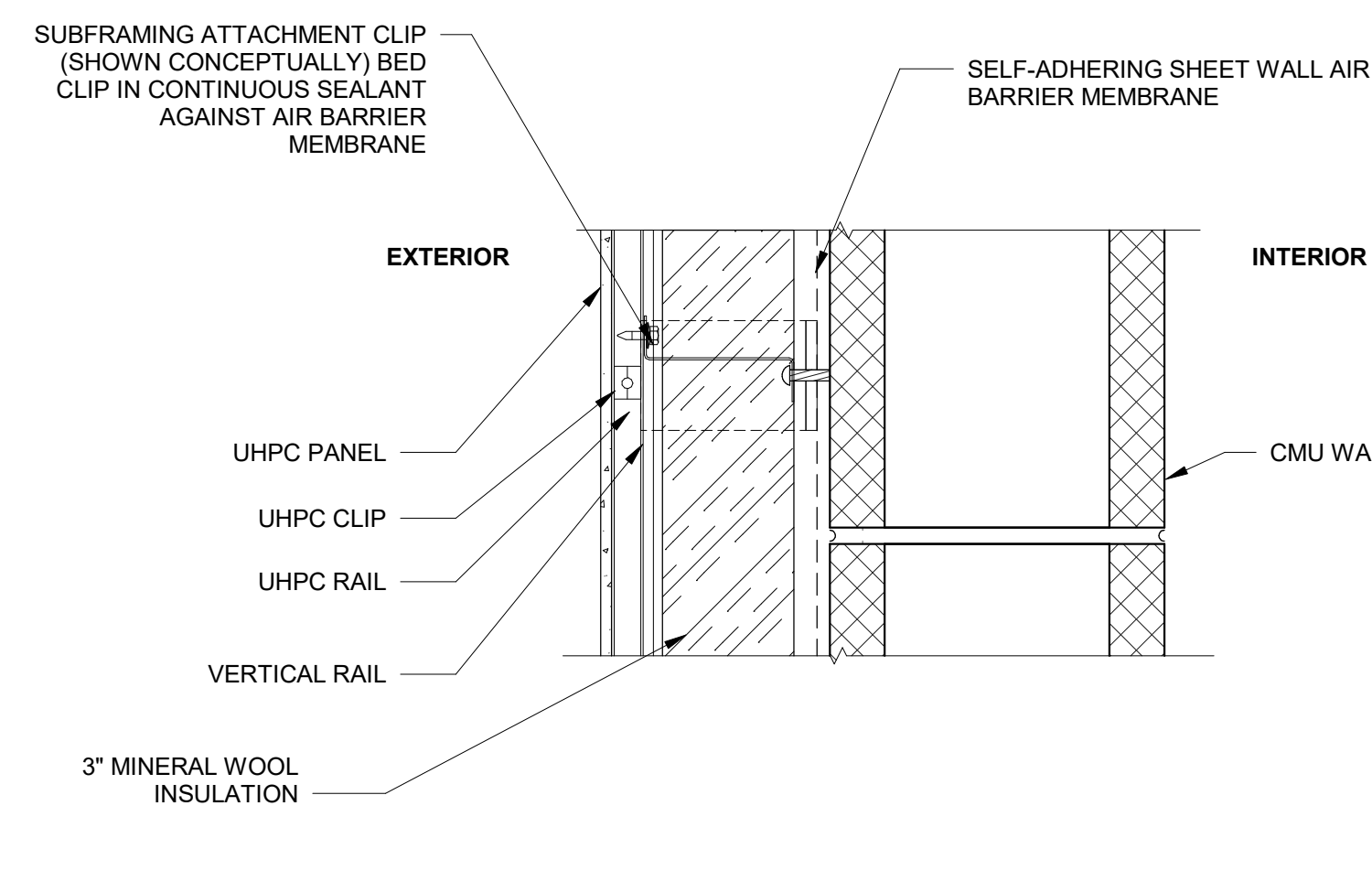
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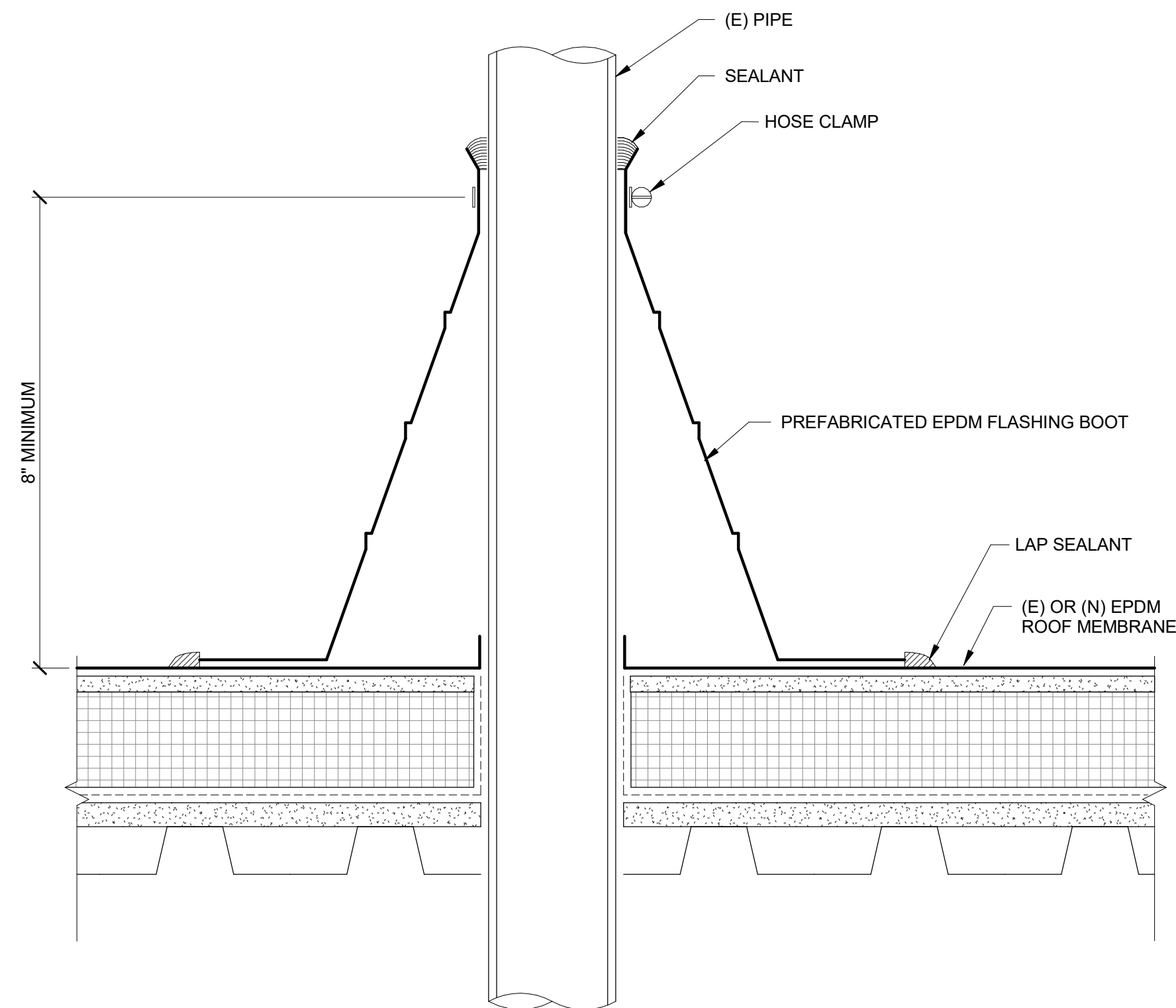
3 UHPC TOP OF WALL
NTS



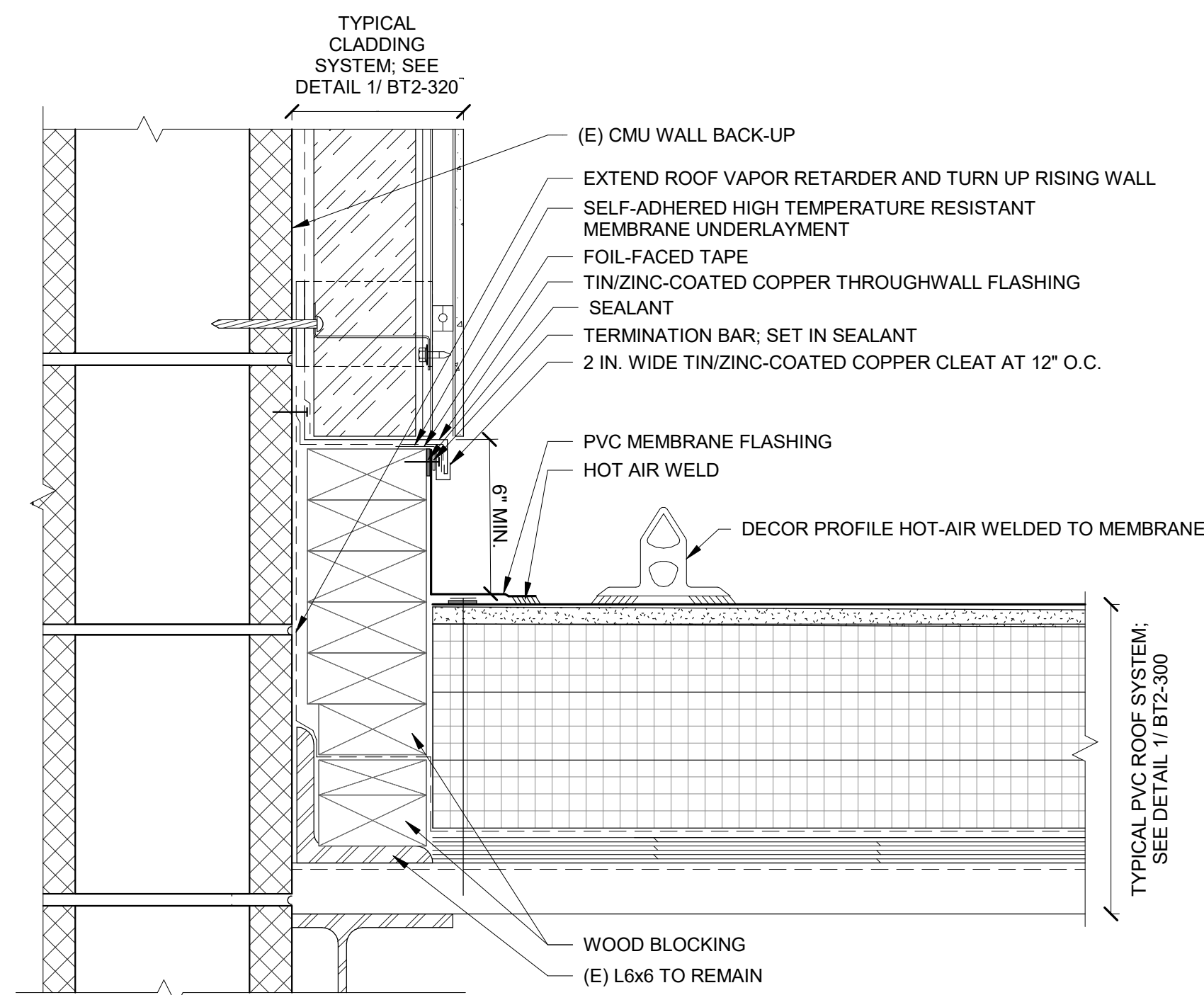
2 UHPC CORNER
NTS



1 UHPC CLADDING AT CMU BACKUP WALL
NTS

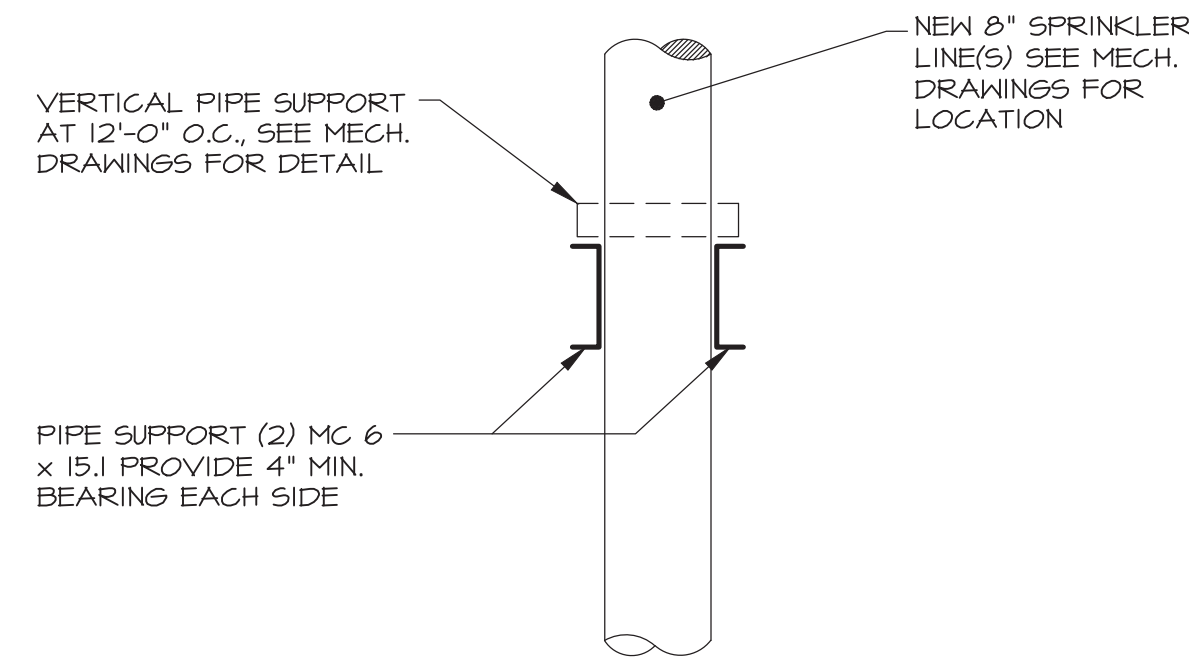


5 EPDM ROOF PIPE PENETRATION
NTS

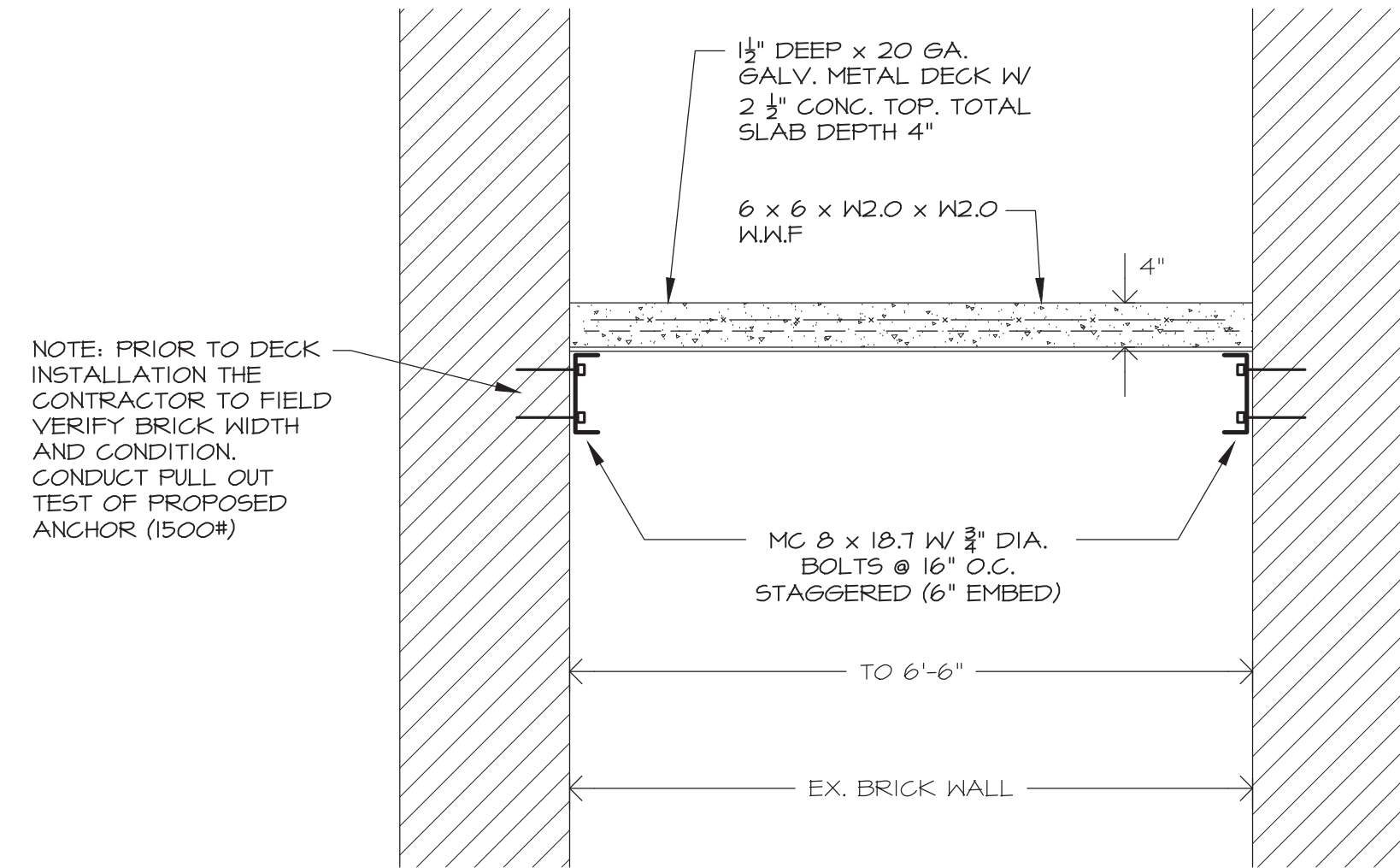


4 THROUGH WALL FLASHING AT BASE OF UHPC
NTS

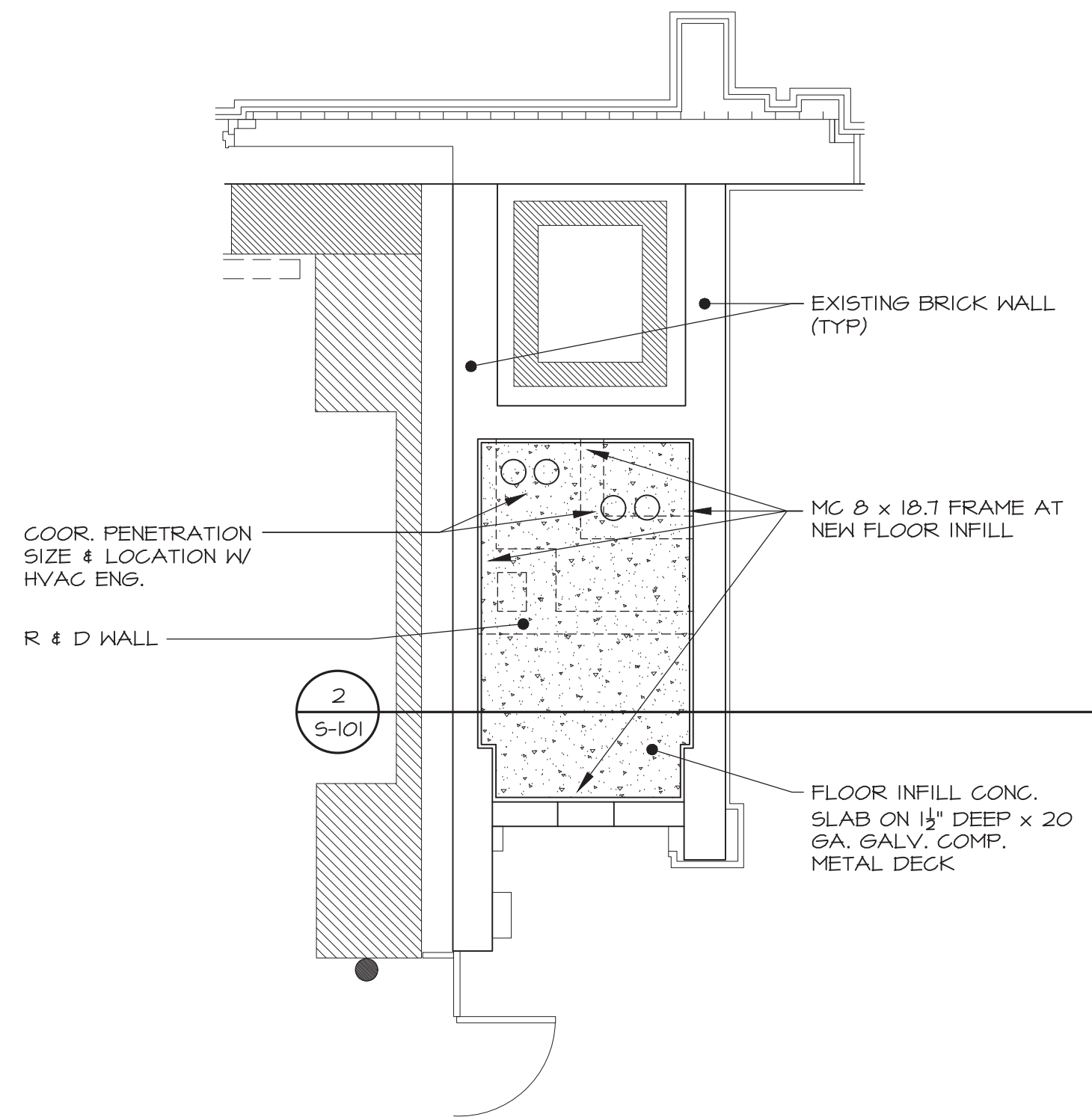
WHC, Area of Interest
Phase 2: Fuller Conservation Lab Roof & Skylight Replacement



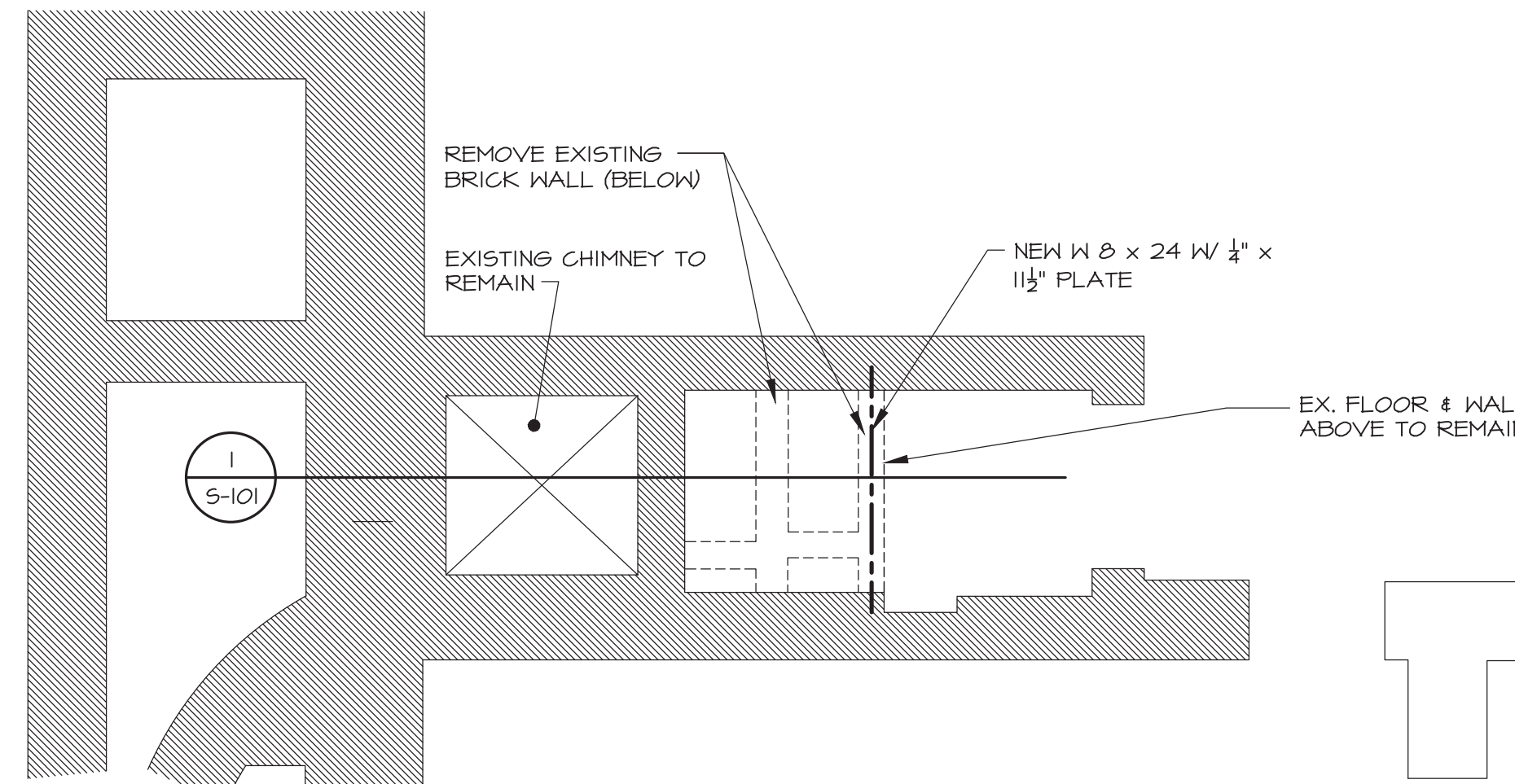
3 PIPE SUPPORT DETAIL
SCALE: 3/4" = 1'-0"



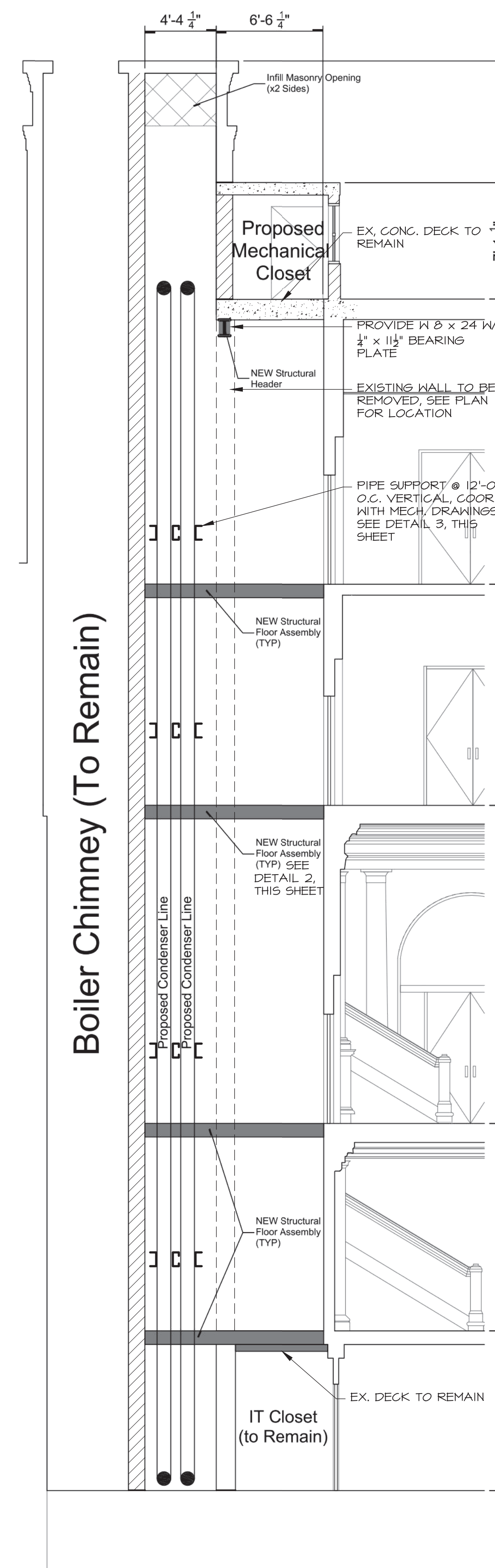
2 FLOOR INFILL DETAIL
SCALE: 3/4" = 1'-0"



FLOOR INFILL PROPOSED PLAN
SCALE: 1/4" = 1'-0"



PARTIAL PLAN @ ROOF
SCALE: N.T.S.



1 SECTION @ MECH. SHAFT
SCALE: N.T.S.

NOTES:

GENERAL

1. ALL WORK SHALL CONFORM TO THE MASSACHUSETTS STATE BUILDING CODE, ITS APPLICABLE REFERENCED STANDARDS, AND LOCAL CODES.
2. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AS THEY RELATE TO NEW CONSTRUCTION. REPORT TO THE ARCHITECT/ENGINEER ALL OBSERVATIONS AND ANY DISCREPANCIES BEFORE PROCEEDING WITH ANY WORK.
3. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO PROVIDE FOR A SAFE AND EFFICIENT METHOD OF SHORING AND/OR BRACING THE EXISTING STRUCTURE DURING BOTH DEMOLITION AND NEW CONSTRUCTION PHASES. SUBMIT AN OUTLINE OF PROPOSED PROCEDURE TO THE ARCHITECT/ENGINEER BEFORE DEMOLITION OPERATIONS BEGIN.
4. SUBMIT COMPLETE SHOP DRAWINGS AND SCHEDULES OF ALL STRUCTURAL ELEMENTS TO THE ENGINEER FOR APPROVAL PRIOR TO FABRICATION.

CONCRETE

1. ALL CONCRETE WORK SHALL CONFORM TO ACI 318 & 301 REQUIREMENTS. THIS SHALL INCLUDE PROPORTIONING OF CONCRETE MIX, CONCRETE TESTING, PLACEMENT OF CONCRETE, AND CURING PROCEDURES.
2. CONCRETE SHALL HAVE THE FOLLOWING 28-DAY COMPRESSIVE STRENGTH:
 - a. ALL OTHER CONCRETE - 4,000 PSI
3. CONCRETE REINFORCING SHALL BE IN ACCORDANCE WITH ASTM A615, GRADE 60. INSTALLATION SHALL BE IN ACCORDANCE WITH ACI 315 AND 318.
4. WELDED WIRE FABRIC SHALL BE IN ACCORDANCE WITH ASTM A185.

STRUCTURAL STEEL

1. ALL WORK SHALL CONFORM TO THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION SPECIFICATIONS AND ITS CODE OF STANDARD PRACTICE.
2. ALL WELDING OPERATIONS SHALL BE PERFORMED BY AWS CERTIFIED WELDERS IN CONFORMANCE WITH ALL APPLICABLE REQUIREMENTS.
3. ALL NEW STRUCTURAL STEEL SHALL BE GIVEN ONE COAT OF AN APPROVED SHOP PAINT, APPLIED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, UNLESS NOTED OTHERWISE. SHOP PAINTING OF STRUCTURAL STEEL SHALL CONFORM TO SSPC-PS 101.
4. AFTER ERECTION IS COMPLETE TOUCHUP ALL SHOP PRIMED COATS DAMAGED DURING TRANSPORTATION AND ERECTION, AND PRIME ALL FIELD WELDS USING THE SAME PAINT USED FOR SHOP PRIMING.
5. UNLESS NOTED OTHERWISE, PROVIDE A 1/2"x8"x8" BASE PLATE W/2-3/4"DIA. BOLTS (TYPICAL) UNDER ALL STEEL BEAMS

STEEL DECKS

1. ALL STEEL DECKING SHALL CONFORM TO THE STEEL DECK INSTITUTE (SDI) APPLICABLE REQUIREMENTS. INSTALLATION SHALL BE PER THE MANUFACTURER'S RECOMMENDATIONS IN ACCORDANCE WITH SDI SPECIFICATIONS.
2. DECK SHEETS SHALL BE PLACED IN ACCORDANCE WITH APPROVED ERECTION LAYOUT DRAWINGS (INCLUDING FASTENING SCHEDULE) SUPPLIED BY THE DECK MANUFACTURER AND IN CONFORMANCE WITH THE MANUFACTURER'S STANDARDS. UNLESS NOTED OTHERWISE, END LAPS SHALL OCCUR OVER SUPPORTS AND SHALL NOT BE LESS THAN 2 INCHES.
3. FLOOR DECK TO BE 1 1/2" LOK. FLOOR COMPOSITE FLOOR DECK, 20 GAGE GALV. METAL DECK BY U.S.D. OR EQUAL.

STRUCTURAL LUMBER

1. ALL WORK SHALL BE IN CONFORMANCE WITH THE AMERICAN FOREST & PAPER ASSOC. STANDARDS AND SPECIFICATIONS, LATEST ADDITION.
2. ALL LUMBER USED IN A STRUCTURAL CAPACITY SHALL BE 19% KILN DRIED HEM-FIR NO. 1 OR EQUAL, FB. 1200 PSI.
3. ANY WOOD IN DIRECT CONTACT WITH CONCRETE OF MASONRY, EXPOSED TO UNHEATED BASEMENT AND CRAWL SPACES, OR EXPOSED TO THE EXTERIOR SHALL BE PRESSURE TREATED.
4. ALL FASTENERS SHALL BE IN CONFORMANCE WITH THE FASTENING SCHEDULE IN THE RHODE ISLAND STATE BUILDING CODE. FASTENERS EXPOSED TO THE WEATHER SHALL BE GALVANIZED OR STAINLESS STEEL.

Structural Engineer:
Caputo & Wick Ltd
1150 Pawtucket Avenue
Rumford, RI 02916
T: 401-434-8880



General Notes:

- 1) The architectural drawings express the intent of coordinating the architecture with other scopes, including that of owner's consultants, for utility services, civil, structural, mechanical, electrical, plumbing, fire protection, fire alarm, landscape, furnishings, etc. Contractor shall ensure that all trades receive a full drawing set, including all architectural sheets, and supervise final coordination of all systems in field to achieve the design intent and comply with all regulatory requirements of the authorities having jurisdiction (AHJ).
- 2) Should drawings, schedules, specifications or notes disagree in themselves or with each other, the contractor shall notify the architect for clarification before proceeding with work.
- 3) These drawings are strictly graphic representation and are not to be scaled in every case the written notes and dimensions shall be followed. All existing conditions and/or dimensions affected by work in place shall be verified in the field and the architect notified of any discrepancies prior to proceeding with related work.
- 4) All dimensions taken from finished face of walls unless noted otherwise.

Project:

WORCESTER ART MUSEUM
55 Salisbury Street Worcester, MA 01609

Issuance: _____ Date: _____

Plans, Sections & Notes

S-101

Scale: As Noted