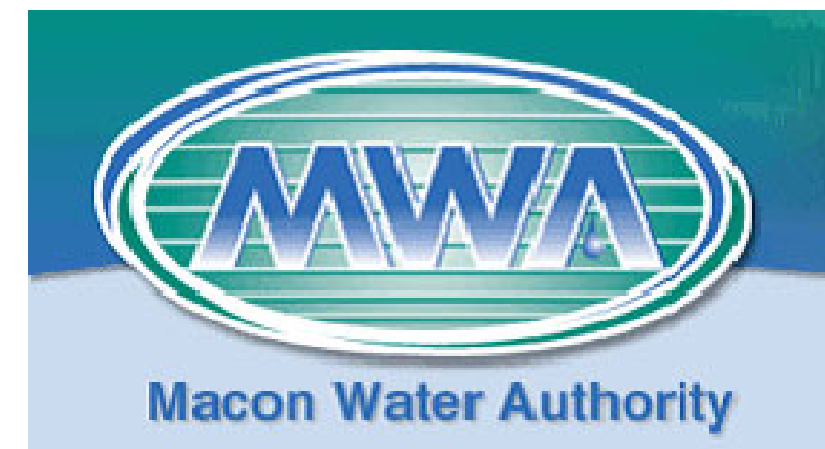


# REPLACE ROOF, 1948 WAREHOUSE ROOF AREA 3 MACON, GEORGIA

## FOR THE MACON WATER AUTHORITY

790 SECOND STREET  
MACON, GEORGIA 31206



**PROJECT NARRATIVE:**  
THE EXISTING SMOOTH SURFACED BUILT-UP ROOF (B.U.R.), INSULATION, GUTTER/DOWNSPOUTS, PERIMETER METAL AND METAL SOFFIT ALONG THE SOUTH, EAST & WEST ROOF EDGES ARE TO BE REMOVED DOWN TO THE EXISTING METAL DECK AND REPLACED WITH A NEW TAPERED PVC MEMBRANE ROOF SYSTEM WITH NEW COVERBOARD, INSULATION, GUTTERS/DOWNSPOUTS, PERIMETER EDGE METAL AND SOFFIT ALONG SOUTH ROOF EDGE. NEW PARAPET WALLS ARE TO BE INSTALLED WITH NEW 2-PC. COMPRESSION EDGE METAL ALONG THE HIGH SIDE EAVE AND RAKE CONDITIONS IN ORDER TO FACILITATE DRAINAGE. SEE BELOW FOR LOCATION OF THE MACON WATER AUTHORITY 1948 WAREHOUSE'S ROOF AREA 3.

DATE	REVISIONS

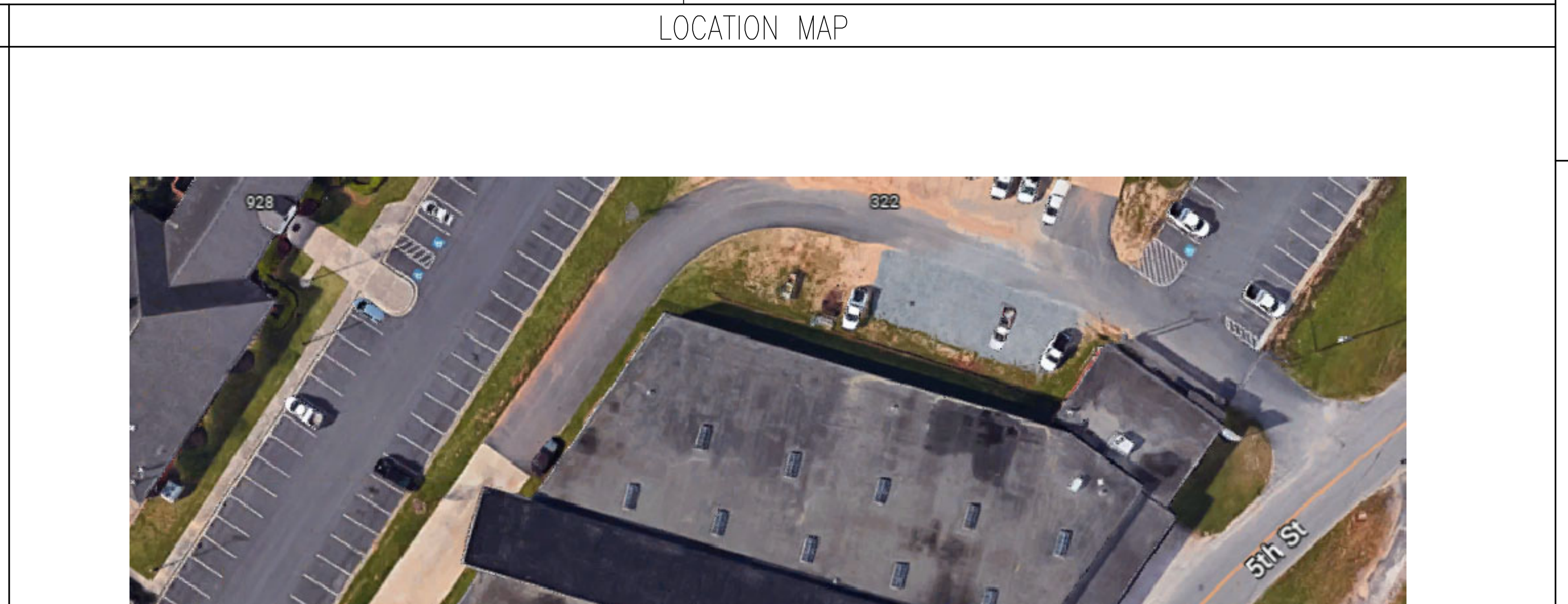


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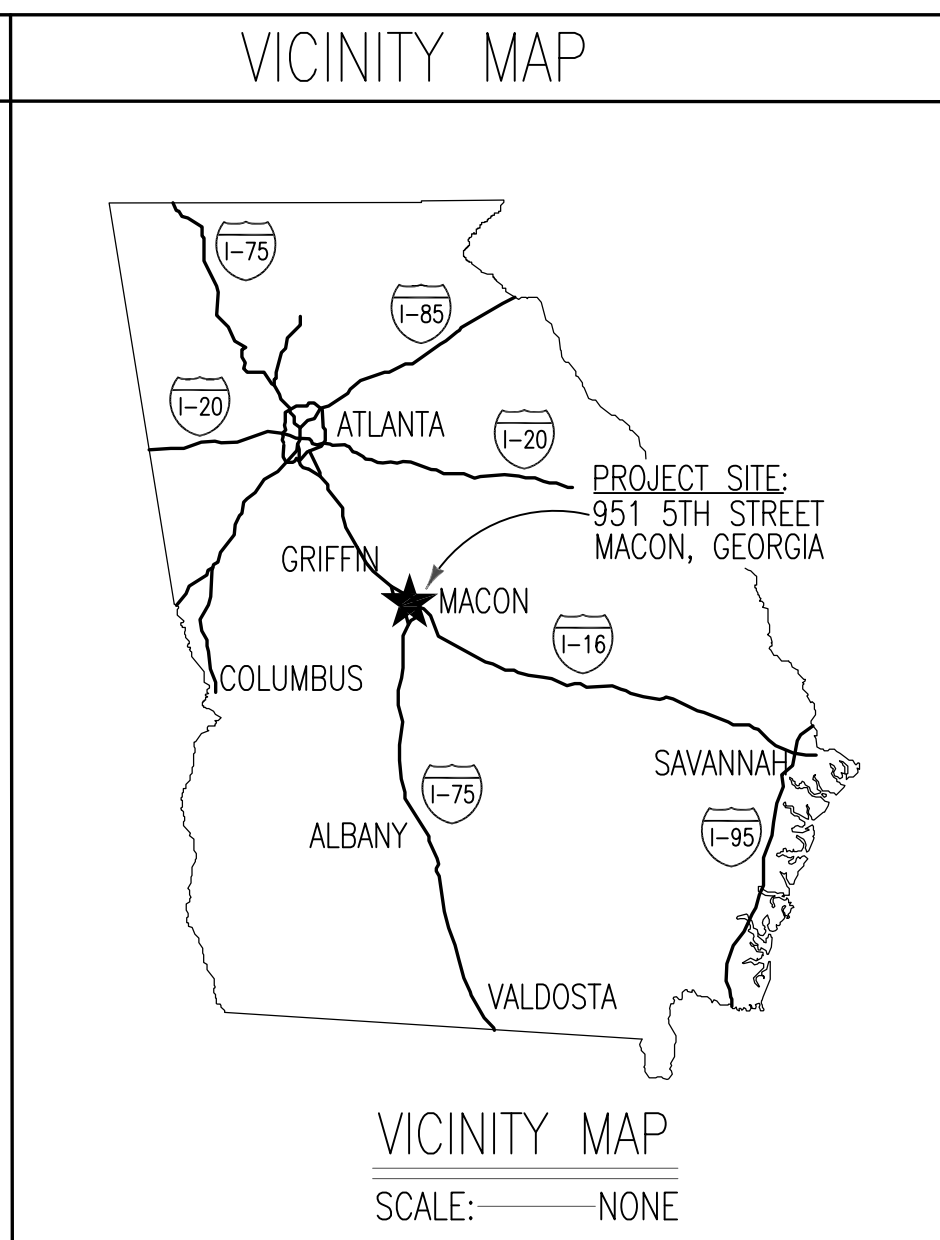
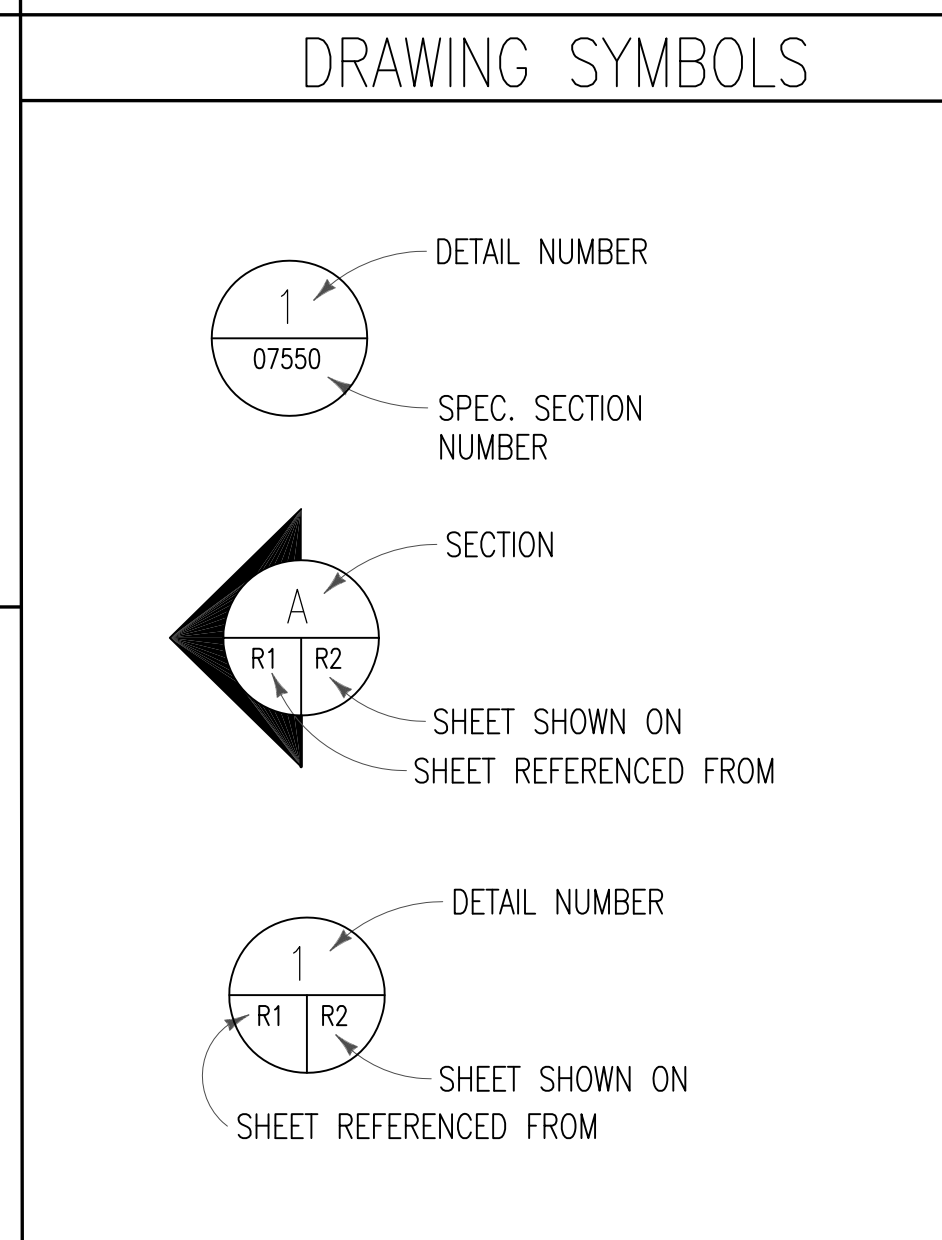
**MEC&A**  
MICHAEL E. CLARK & ASSOC., INC.  
Building Enclosure Consultants  
3643 Vineville Avenue  
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INDEX OF DRAWINGS	
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R-1	DEMOLITION PLAN
R-2	WIND ZONE ROOF PLAN
R-3	NEW WORK ROOF PLAN
R-4	DETAILS

MACON WATER AUTHORITY OFFICIALS	
GARY BECHTEL	CHAIRMAN
ELAINE LUCAS	DISTRICT 1
DESMOND D. BROWN	DISTRICT 2
DWIGHT JONES	DISTRICT 3
FRANK PATTERSON	DISTRICT 4 (VICE-CHAIRMAN)
BILL HOWELL	MACON-BIBB COUNTY REPRESENTATIVE
VALERIE WYNN	MACON-BIBB COUNTY REPRESENTATIVE



24-HOUR CONTACT:  
JOEL HERNDON, CHIEF INSPECTOR  
MACON WATER AUTHORITY  
MACON, GA 31201  
PHONE: 478-464-5639  
EMAIL: JHERNDON@MACONWATER.ORG



PROJECT SITE:  
1948 WAREHOUSE, ROOF AREA 3  
951 5TH STREET, MACON, GA

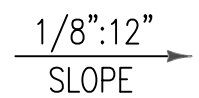




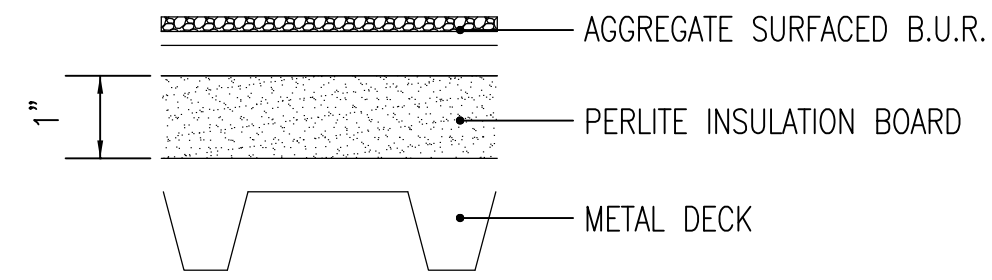
DESIGNED BY  
MICHAEL E. CLARK & ASSOCIATES, INC.  
3643 VINEVILLE AVENUE  
MACON, GA 31204  
PHONE: 478-471-6661

COVER SHEET  
MACON WATER AUTHORITY 1948 WAREHOUSE ROOF AREA 3  
951 5TH STREET  
MACON, GA 31201

Drawn By	C.BELL
Checked By	CLARK
Date	01/20/2025
Job No.	2024-118
Drawing Number	X-1
SHEET	1 OF 5

**LEGEND**

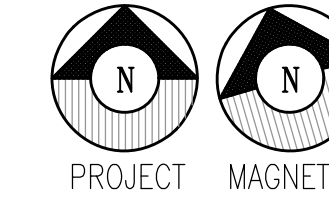
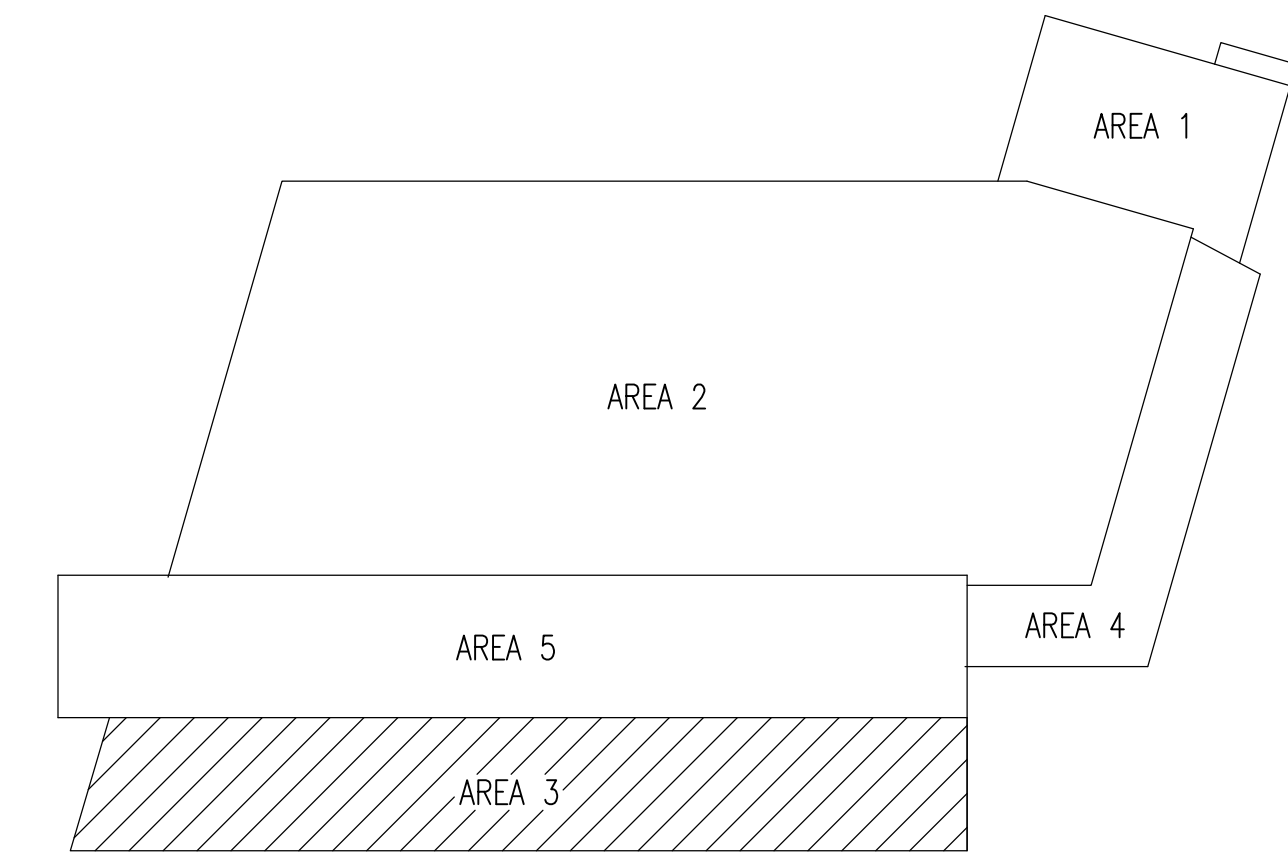
-  DIRECTION AND APPROXIMATE MAGNITUDE OF EXISTING ROOF SLOPE (BUILT INTO STRUCTURE U.N.O.)
-  EXISTING HOT STACK
-  EXISTING GUTTER AND DOWNSPOUT



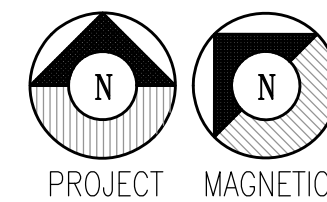
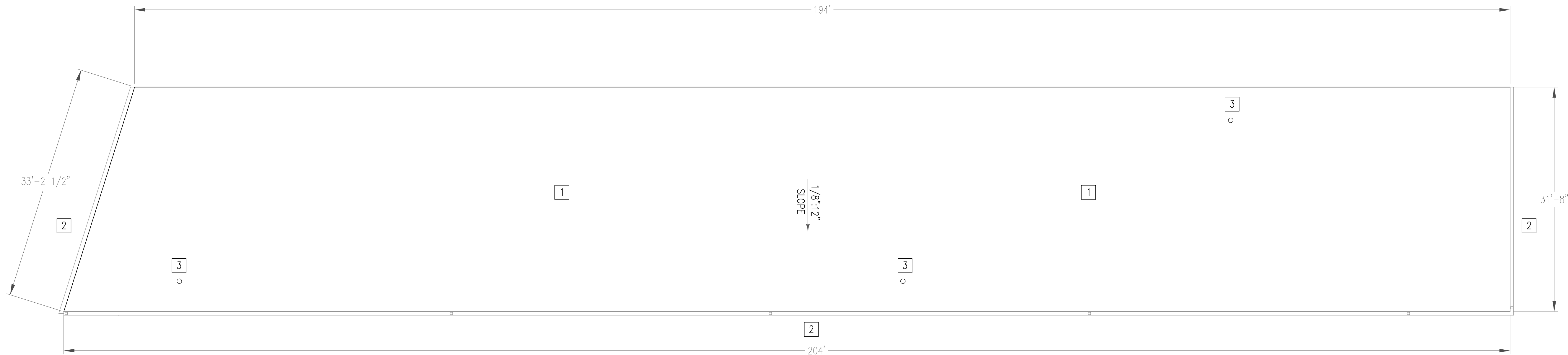
ROOF CORE (TYP.)  
SCALE: N.T.S.

**DEMOLITION NOTES (THIS SHEET ONLY)**

- 1 EXISTING AGGREGATE SURFACED BUILT-UP ROOF (B.U.R.), WOOD BLOCKING, AND PERLITE INSULATION TO BE REMOVED DOWN TO THE EXISTING METAL DECK. EXISTING PERIMETER METAL TO BE REMOVED. IF STRUCTURALLY COMPROMISED STEEL DECK IS FOUND REPLACE WITH NEW 22 GAGE STEEL DECK TO MATCH EXISTING, AS REQUIRED PER SPECIFICATIONS. IF DECK IS RUSTED, CLEAN METAL DECK AND COAT RUSTED AREAS WITH RUST INHIBITIVE PRIMER, AS REQUIRED PER SPECIFICATIONS.
- 2 EXISTING GUTTER AND DOWNSPOUTS TO BE REMOVED.
- 3 EXISTING HOT STACK FLASHINGS TO BE REMOVED, HOT STACKS TO REMAIN.



KEY PLAN - 1948 WAREHOUSE  
SCALE: N.T.S.



DEMOLITION ROOF PLAN - 1948 WAREHOUSE ROOF AREA 3  
SCALE: 1/8"=1'-0"

GENERAL NOTE: THE CONTRACTOR SHALL NOTIFY THE MACON WATER AUTHORITY INSPECTIONS DEPARTMENT 48 HOURS PRIOR TO BEGINNING CONSTRUCTION. CALL CHIEF INSPECTOR JOEL HERNDON (478) 464-5639.

DATE	REVISIONS



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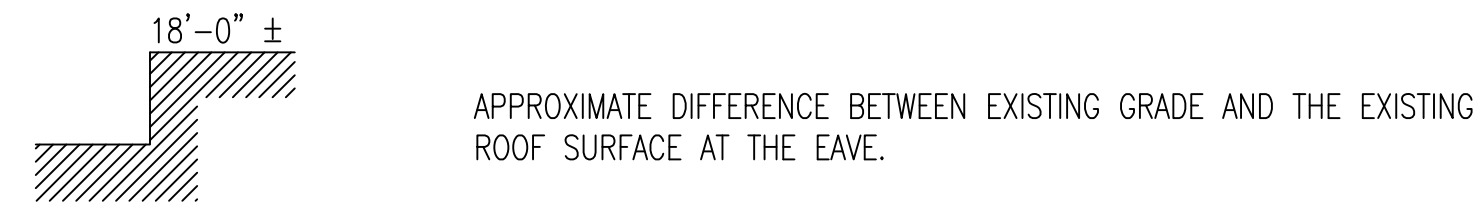
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DEMOLITION ROOF PLAN  
MACON WATER AUTHORITY 1948 WAREHOUSE ROOF AREA 3  
951 5TH STREET  
MACON, GA 31201

Drawn By: C.BELL  
Checked By: CLARK  
Date: 01/20/2025  
Job No.: 2024-118  
Drawing Number:

**LEGEND**

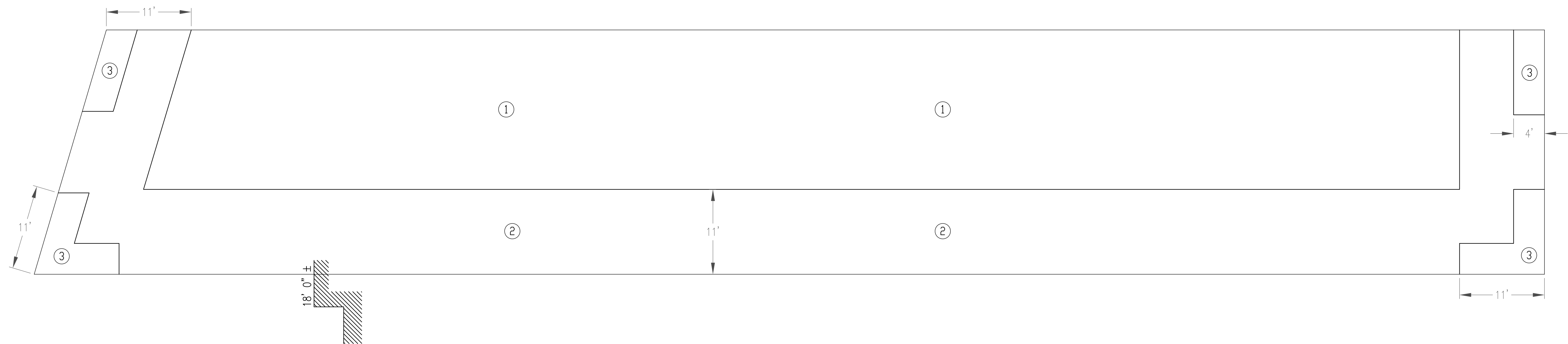
- ① FIELD ROOF ZONE
- ② PERIMETER ROOF ZONE
- ③ CORNER ROOF ZONE



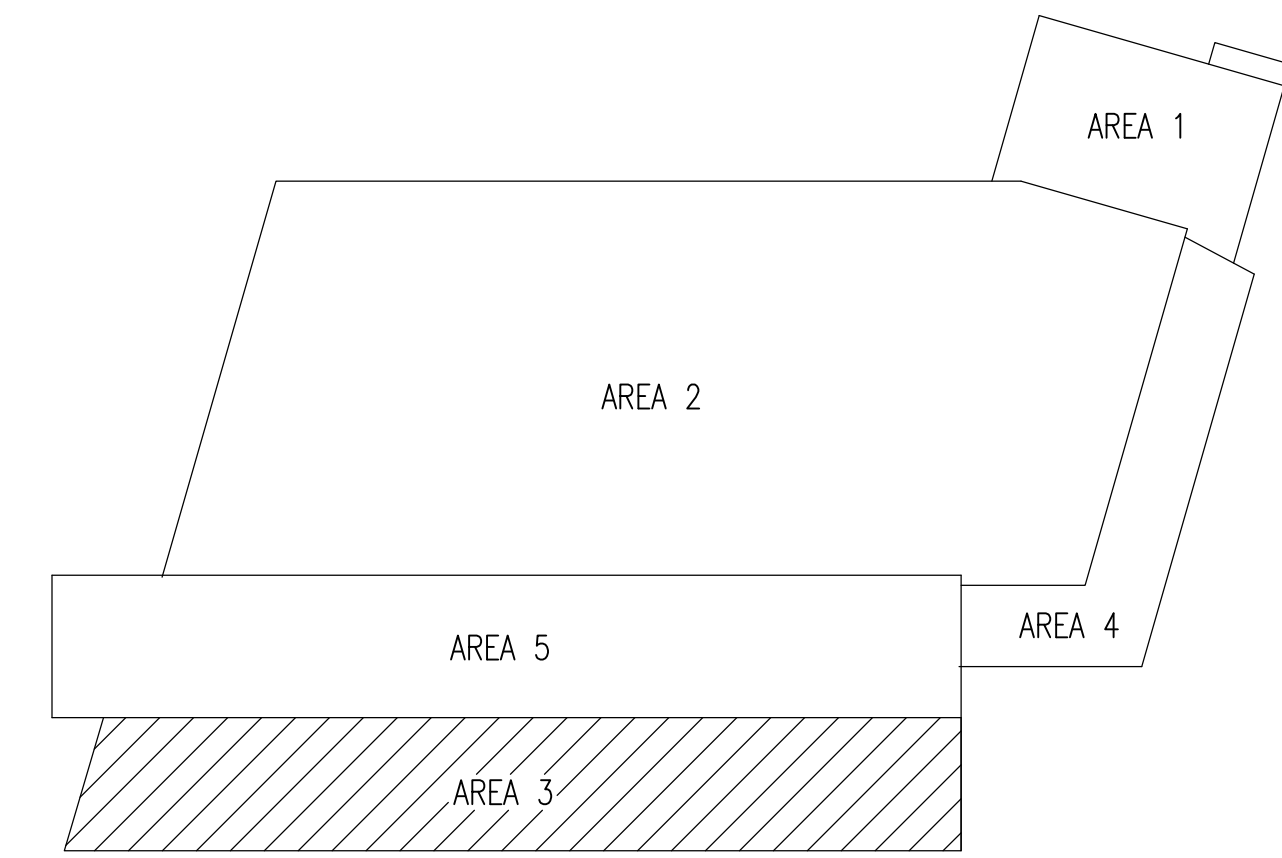
GENERAL NOTE: THE CONTRACTOR SHALL NOTIFY THE MACON WATER AUTHORITY INSPECTIONS DEPARTMENT 48 HOURS PRIOR TO BEGINNING CONSTRUCTION. CALL CHIEF INSPECTOR JOEL HERNDON (478) 464-5639.

**ROOF AREA STRENGTH DESIGN WIND UP-LIFT PRESSURES:**  
 ZONE 1 = -47.79 PSF  
 ZONE 2 = -63.05 PSF  
 ZONE 3 = -85.93 PSF

NOTE: THESE VALUES ARE UNFACTORED UP-LIFT PRESSURES AND DO NOT INCLUDE A LOAD-REDUCTION FACTOR OR FACTOR OF SAFETY.

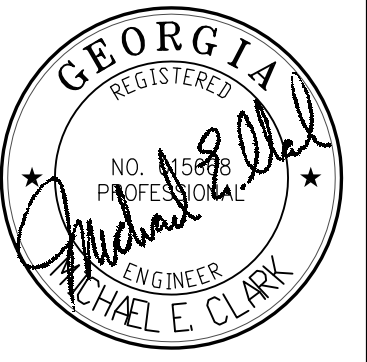


**WIND ZONE ROOF PLAN - 1948 WAREHOUSE ROOF AREA 3**  
 SCALE: 1/8"=1'-0"



**KEY PLAN - 1948 WAREHOUSE**  
 SCALE: N.T.S.

DATE	REVISIONS



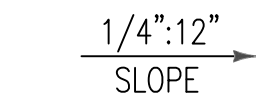


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WIND ZONE ROOF PLAN AND WALL SECTION  
 MACON WATER AUTHORITY 1948 WAREHOUSE ROOF AREA 5  
 951 5TH STREET  
 MACON, GA 31201

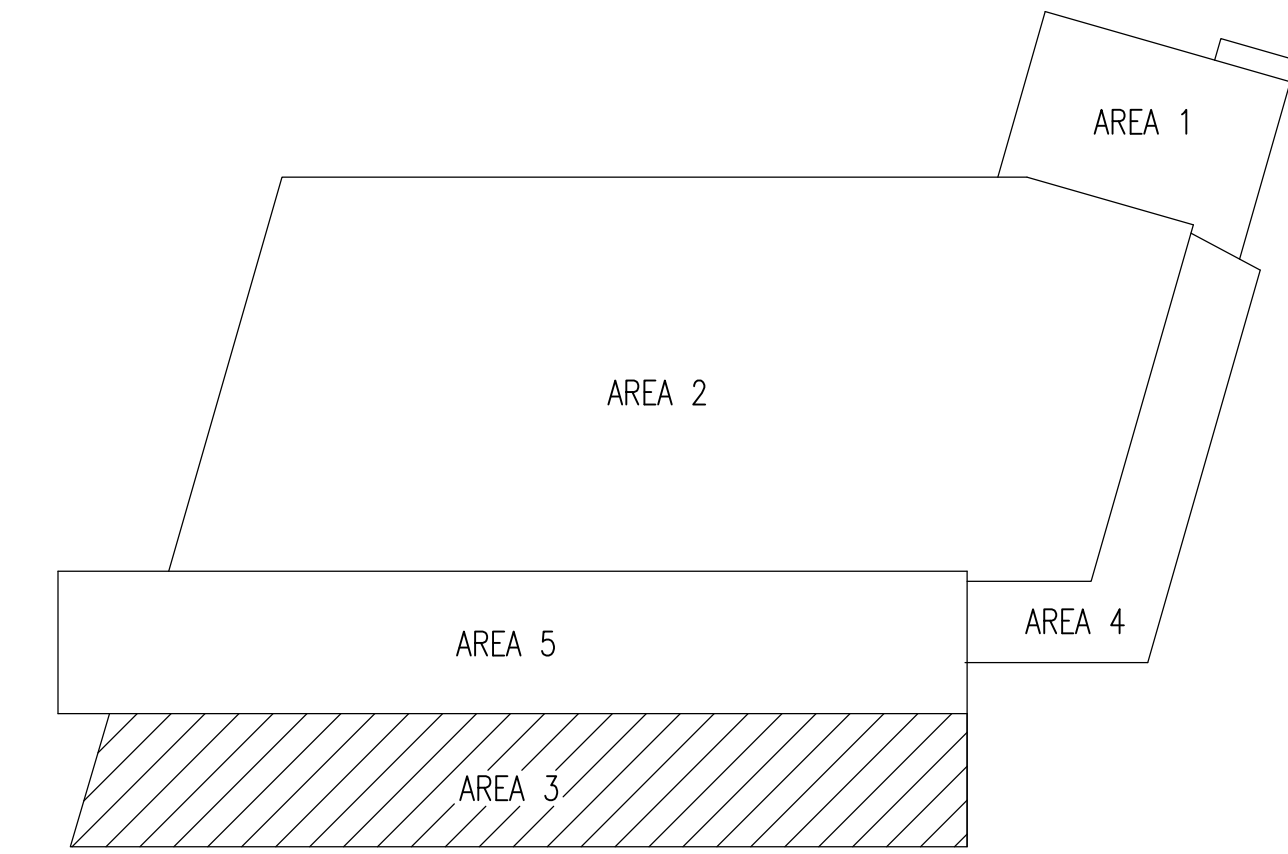
Drawn By	C.BELL
Checked By	CLARK
Date	01/20/2025
Job No.	2024-118
Drawing Number	

**LEGEND**

-  DIRECTION AND MAGNITUDE OF NEW FINISHED ROOF SLOPE
-  NEW 6"x6" GUTTER W/ 4"x 5" DOWNSPOUT (TYP.)
-  EXISTING HOT STACK

**NEW WORK NOTES (THIS SHEET ONLY)**

- ① NEW 60 MIL PVC MEMBRANE TO BE FULLY ADHERED OVER 1/2" COVERBOARD ADHERED TO MECHANICALLY ATTACHED TAPERED ISO. (1/8" PER FOOT), AND 1" THICK LAYER OF POLYISOCYANURATE RIGID INSULATION BOARD OVER THE EXISTING STEEL DECK.
- ② NEW SHEET METAL FABRICATED 6"x6" GUTTER AND DRIP EDGE TO BE INSTALLED ALONG EAVE. SEE DETAIL 1 ON SHEET R-4.
- ③ NEW WOOD NAILERS AND COMPRESSION EDGE TO BE INSTALLED. SEE DETAIL 2 ON SHEET R-4.
- ④ NEW SHEET METAL FABRICATED 4"x5" DOWNSPOUT TO BE INSTALLED (TYP.).
- ⑤ INSTALL NEW HOT STACK FLASHING. SEE DETAIL 3 ON SHEET R-4.
- ⑥ REMOVE EXISTING COUNTERFLASHING AND INSTALL NEW MEMBRANE ROOF FLASHING. SEE DETAIL 4 ON SHEET R-4. REINSTALL COUNTERFLASHING PER DETAIL.



 **KEY PLAN – 1948 WAREHOUSE**  
SCALE: N.T.S.

DATE	REVISIONS



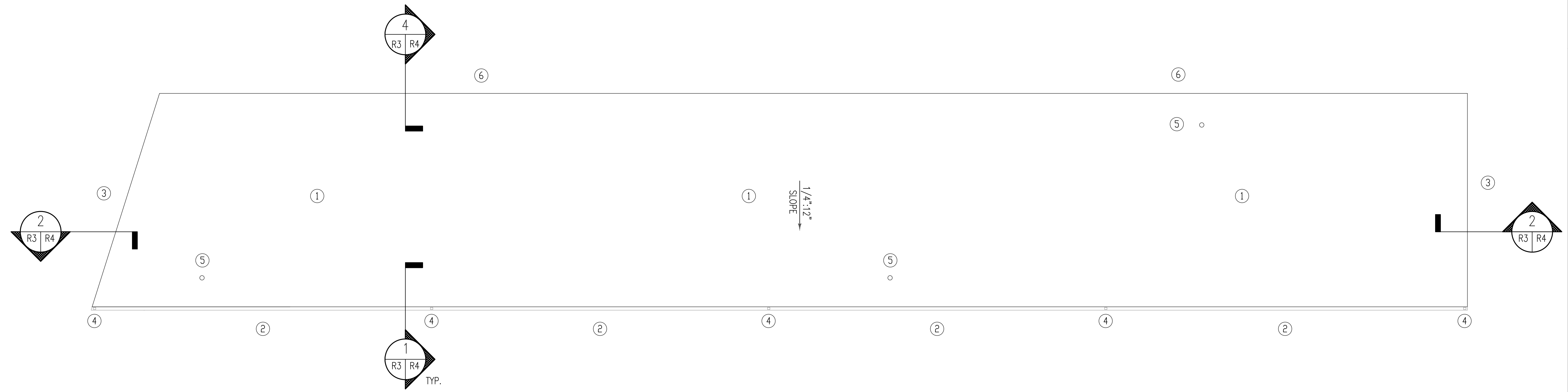
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NEW WORK ROOF PLAN  
MACON WATER AUTHORITY 1948 WAREHOUSE ROOF AREA 3  
951 5TH STREET  
MACON, GA 31201

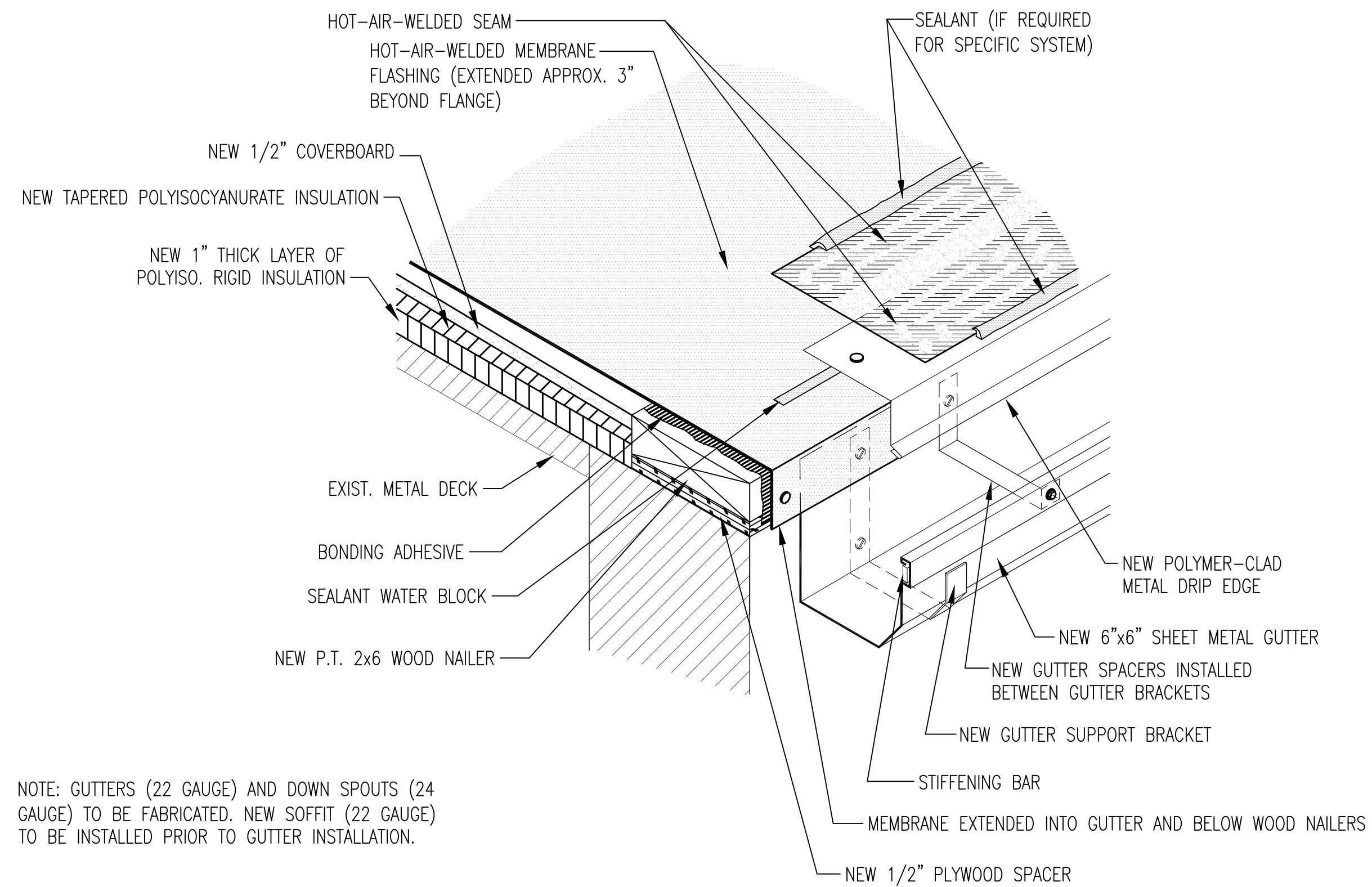
Drawn By	C.BELL
Checked By	CLARK
Date	01/20/2025
Job No.	2024-118
Drawing Number	

R-3  
SHEET 4 OF 5



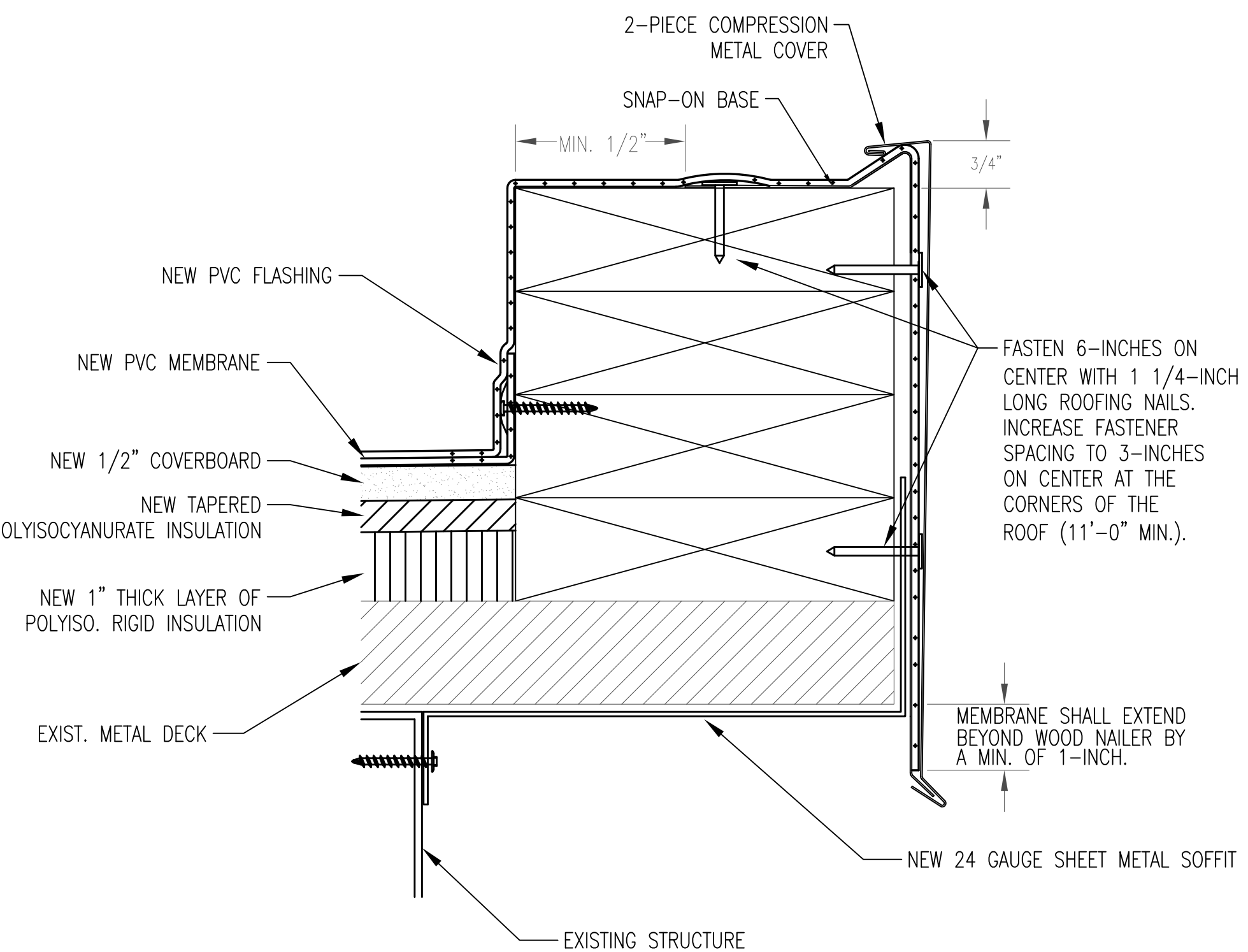
 **NEW WORK ROOF PLAN – 1948 WAREHOUSE ROOF AREA 3**  
SCALE: 1/8"=1'-0"

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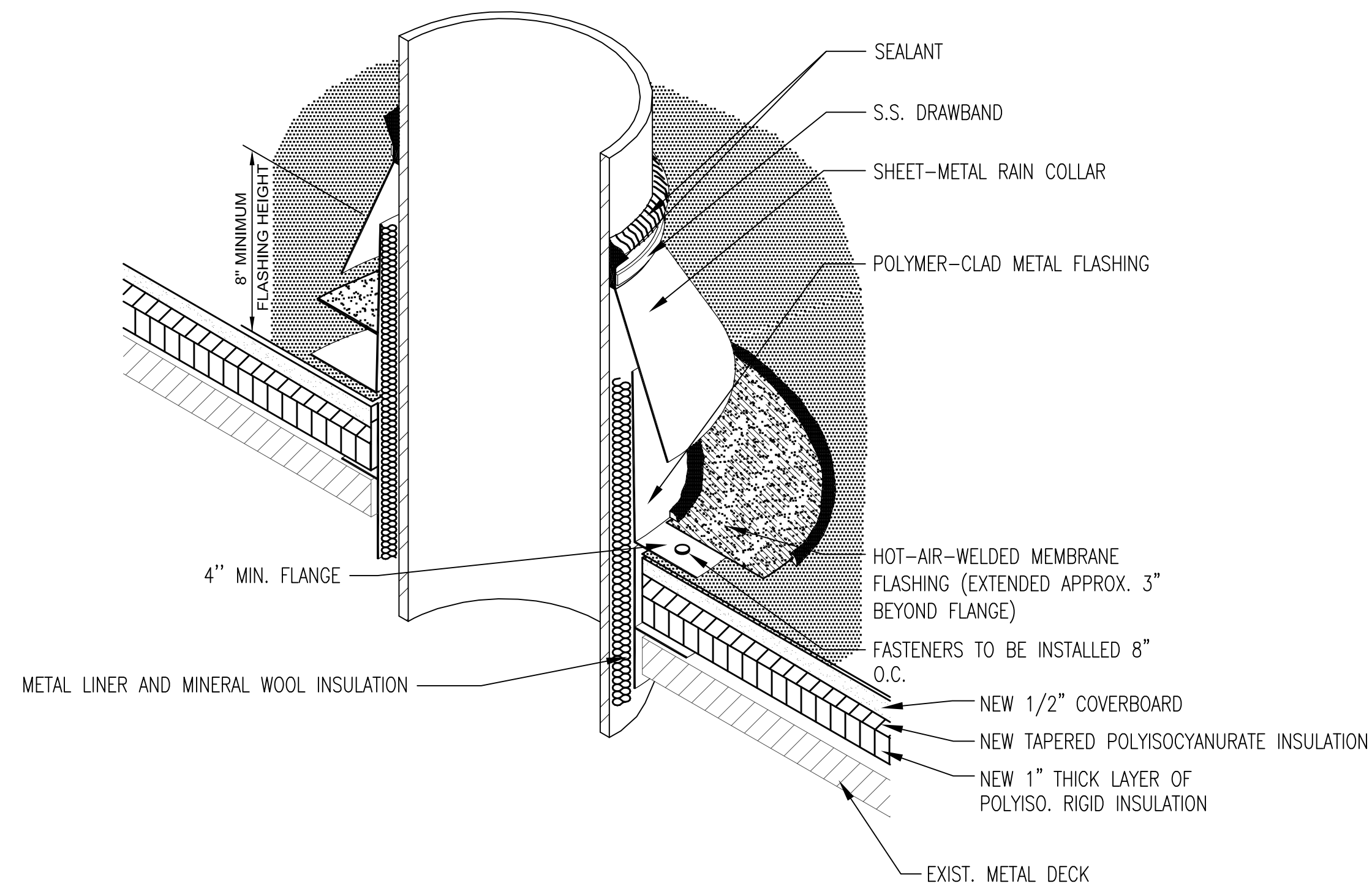


NOTE: GUTTERS (22 GAUGE) AND DOWN SPOUTS (24 GAUGE) TO BE FABRICATED. NEW SOFFIT (22 GAUGE) TO BE INSTALLED PRIOR TO GUTTER INSTALLATION.

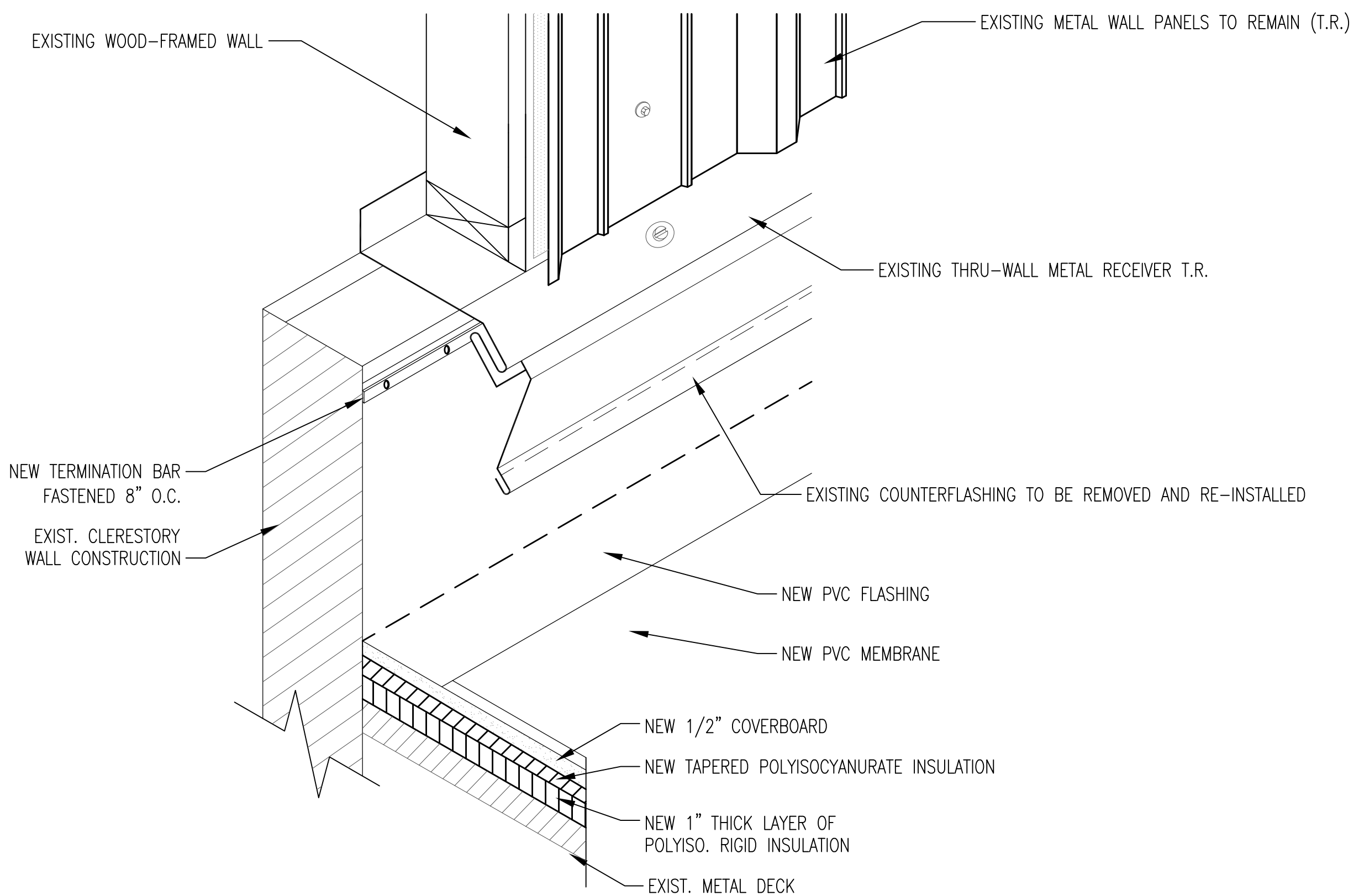
1 POLYMER-COATED DRIP EDGE INTO GUTTER  
SCALE: NONE



2 COMPRESSION EDGE  
SCALE: NONE

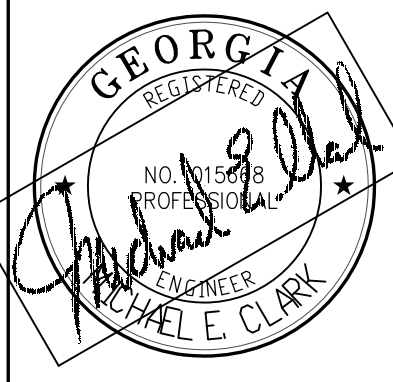


3 POLYMER-CLAD METAL HOT STACK VENT  
SCALE: NONE



4 HEAD WALL FLASHING  
SCALE: NONE

DATE	REVISIONS



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DETAILS  
MACON WATER AUTHORITY 1948 WAREHOUSE ROOF AREA 3  
951 5TH STREET  
MACON, GA 31201

Drawn By J. WARNER  
Checked By CLARK  
Date 01/20/2025  
Job No. 2024-118  
Drawing Number

R-4