

MENOMINEE, MI 49858

1/22/2025 10:39:11 AM
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11521 West North Avenue
Milwaukee, WI 53226
(414) 771-0855

Customer: Quality Roofing, Inc.
East Industrial Park
1507 Laemle Street
Marshfield, WI 54449

Report #: 224275
Received: 08-Oct-24
Analyzed: 11-Oct-2024

Sample ID	% Asbestos	Non-Asbestos Fibrous Components	Non-Fibrous Components	Color	Texture
1	None Detected	8% Fibrous Glass 2% Cellulose 15% Synthetic Fiber	75%	Black	Resinous
1 II	None Detected		100%	Yellow	Foam
2	10% Chrysotile	<1% Fibrous Glass 10% Cellulose	80%	Black	Resinous
2 II	None Detected		100%	Yellow	Foam
3	12% Chrysotile	2% Fibrous Glass 18% Cellulose 5% Synthetic Fiber	63%	Black	Resinous
3 II	None Detected		100%	Yellow	Foam
4	None Detected	30% Cellulose 5% Synthetic Fiber	65%	Black	Resinous
4 II	None Detected	50% Cellulose	50%	Brown	Compressed
4 III	None Detected		100%	Yellow	Foam
6	None Detected		100%	Black	Resinous
6 II	None Detected		100%	Yellow	Foam

Test method: EPA/600/R-93/116 and EPA - Appendix E to Subpart E of 40 CFR Part 763. Quantitation is done by Calibrated Visual Estimation which has an accepted Relative Percent Difference of 35. This report may not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This test report relates only to the items tested and shall not be reproduced except in full, without the written approval of MICRO ANALYTICAL, INC.

Page 1 of 1



**CENTRAL ELEMENTARY ROOF
REPLACEMENT**

MEMONIEE COUNTY ISD

MEMONIEE, MI 49858

[illegible]

PROJECT NO:		JHR
		BJK
		WKM
		WKM
M385-04227	DESIGNED BY:	
	DRAWN BY:	
	CHECKED:	
	APPROVED:	

CORE SAMPLE ROOF PLAN & CODE INFORMATION

G101



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4/22/2025 10:39:14 AM
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Architectural drawing of a roof layout, showing six distinct areas (AREA 1 to AREA 6) defined by hatched patterns. The drawing includes a grid system with dimensions and a detailed cross-section of the roof assembly.

Grid System and Dimensions:

- Horizontal Grid (1-14):** Dimensions are 25'-0" between grids 1-2, 2-3, 3-4, 4-5, 5-6, 6-7, 7-8, 8-9, 9-10, 10-11, 11-12, 12-13, and 24'-2" between grids 13-14.
- Vertical Grid (A-H):** Dimensions are 25'-0" between grids A-B, B-C, C-D, D-E, E-F, and F-G. The distance between grids G and H is 18'-6 1/2".

Roof Areas:

- AREA 1:** Located in the bottom right, featuring a gabled roof structure.
- AREA 2:** Located in the bottom center, a rectangular area.
- AREA 3:** Located in the center, a rectangular area.
- AREA 4:** Located in the center-left, a rectangular area.
- AREA 5:** Located in the top left, a rectangular area.
- AREA 6:** Located in the top right, a long rectangular area.

Typical Roof Assembly Detail:

- MEMBRANE ROOFING
- 5/8" FIBERGLASS FACED GYPSUM BOARD
- RIGID EPS INSULATION (R-30) (7-1/2" MINIMUM U.N.O.)
- AIR & VAPOR BARRIER
- EXISTING ROOF STRUCTURE

Scale: 1/2" = 1'-0"

Diagram illustrating the cross-section of a roof assembly, showing the following layers from top to bottom:

- MEMBRANE ROOFING
- 5/8" FIBERGLASS FACED GYPSUM BOARD
- RIGID EPS INSULATION (R-30) (7-1/2" MINIMUM U.N.O.)
- AIR & VAPOR BARRIER
- EXISTING ROOF STRUCTURE

2 TYPICAL ROOF ASSEMBLY
A101 1 1/2" = 1'-0"

1 OVERALL ROOF PLAN
A101 1/16" = 1'-0"

- A. PROVIDE CONTINUITY OF BUILDING ENVELOPE PER ASSEMBLY TYPES AND BUILDING ENVELOPE NOTES ON A0 SHEETS; AND EXTERIOR DETAILS ON A6 SHEETS
- B. SEE STRUCTURAL, MECHANICAL, ELECTRICAL, AND OTHER DISCIPLINES FOR SIZE AND GENERAL LOCATION OF ROOF PENETRATIONS.
- C. COORDINATE ROOF PENETRATION LOCATIONS TO MAXIMIZE BUILDING ENVELOPE INTEGRITY.
- D. COORDINATE WALL PENETRATION LOCATIONS TO MAINTAIN 2'-0" MINIMUM ABOVE ADJACENT ROOF SURFACES INCLUDING, BUT NOT LIMITED TO, CURBS, PARAPETS, REGLETS, AND TERMINATION BARS.

**CENTRAL ELEMENTARY ROOF
REPLACEMENT**

MENOMINEE COUNTY ISD

MENOMINEE, MI 49858

ISSUED FOR:	DATE:
PLAN REVIEW	3-20-2025
BIDDING	4-25-2025

PROJECT NO:
M385-04227

DESIGNED BY:	JHR
DRAWN BY:	BJK
CHECKED:	WKM
APPROVED:	WKM

OVERALL ROOF PLAN

A101



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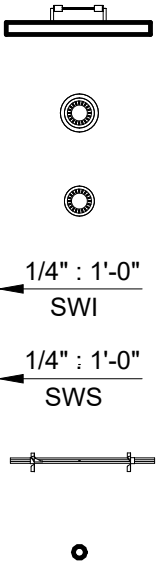
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ROOF PLAN NOTES

- A. PROVIDE CONTINUITY OF BUILDING ENVELOPE PER ASSEMBLY TYPES AND BUILDING ENVELOPE NOTES ON A0 SHEETS, AND EXTERIOR DETAILS ON A6 SHEETS.
- B. SEE STRUCTURAL, MECHANICAL, ELECTRICAL, AND OTHER DISCIPLINES FOR SIZE AND GENERAL LOCATION OF ROOF PENETRATIONS.
- C. COORDINATE ROOF PENETRATION LOCATIONS TO MAXIMIZE BUILDING ENVELOPE INTEGRITY.
- D. COORDINATE WALL PENETRATION LOCATIONS TO MAINTAIN 2'-0" MINIMUM ABOVE ADJACENT ROOF SURFACES INCLUDING, BUT NOT LIMITED TO; CURBS, PARAPETS, REGLETS, AND TERMINATION BARS.

ROOF PLAN LEGEND

- LADDER
- OVERFLOW ROOF DRAIN (OD)
- ROOF DRAIN (RD)
- SLOPE WITH INSULATION (SWI)
- SLOPE WITH STRUCTURE (SWS)
- SNOW GUARD
- VENT THROUGH ROOF (VTR)



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CENTRAL ELEMENTARY ROOF REPLACEMENT
MENOMINEE COUNTY ISD
MENOMINEE, MI 49858

DATE:

3-20-2025

4-25-2025

ISSUED FOR:

PLAN REVIEW

BIDDING

PROJECT NO:

M385-0427

DESIGNED BY:

JHR

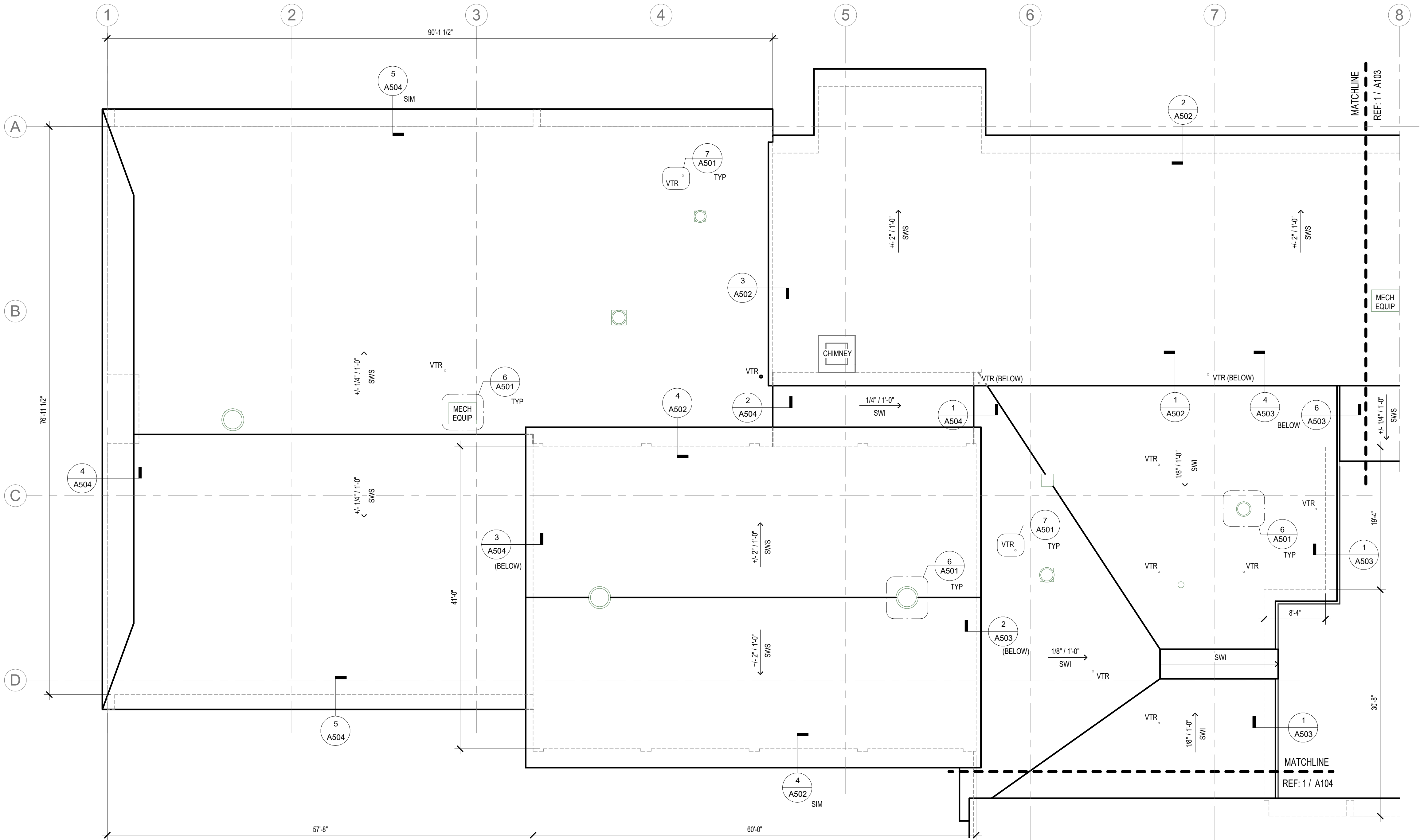
BJK

WKM

WKM

WEST BUILDING
WING ROOF PLAN

A102



1
A102
ENLARGED ROOF PLAN - WEST BUILDING WING
1/8" = 1'-0"



- A. PROVIDE CONTINUITY OF BUILDING ENVELOPE PER ASSEMBLY TYPES AND BUILDING ENVELOPE NOTES ON A0 SHEETS; AND EXTERIOR DETAILS ON A6 SHEETS.
- B. SEE STRUCTURAL, MECHANICAL, ELECTRICAL, AND OTHER DISCIPLINES FOR SIZE AND GENERAL LOCATION OF ROOF PENETRATIONS.
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LADDER

OVERFLOW ROOF DRAIN (OD)

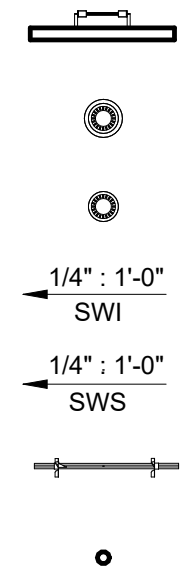
ROOF DRAIN (RD)

SLOPE WITH INSULATION (SWI)

SLOPE WITH STRUCTURE (SWS)

SNOW GUARD

VENT THROUGH ROOF (VTR)

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PROJECT NO:	M385-04227
DESIGNED BY:	
DRAWN BY:	
CHECKED:	
APPROVED:	

**NORTHEAST
BUILDING WING
ROOF PLAN**

A103



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4/22/2025 10:39:19 AM
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- A. PROVIDE CONTINUITY OF BUILDING ENVELOPE PER ASSEMBLY TYPES AND BUILDING ENVELOPE NOTES ON A0 SHEETS; AND EXTERIOR DETAILS ON A6 SHEETS.
- B. SEE STRUCTURAL, MECHANICAL, ELECTRICAL, AND OTHER DISCIPLINES FOR SIZE AND GENERAL LOCATION OF ROOF PENETRATIONS.
- C. COORDINATE ROOF PENETRATION LOCATIONS TO MAXIMIZE BUILDING ENVELOPE INTEGRITY.
- D. COORDINATE WALL PENETRATION LOCATIONS TO MAINTAIN 2'-0" MINIMUM ABOVE ADJACENT ROOF SURFACES INCLUDING, BUT NOT LIMITED TO: CURBS, PARAPETS, REGLETS, AND TERMINATION BARS.

LADDER

OVERFLOW ROOF DRAIN (OD)

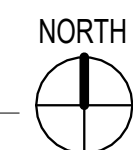
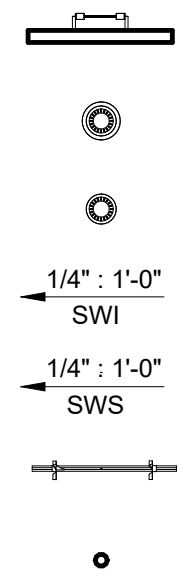
ROOF DRAIN (RD)

SLOPE WITH INSULATION (SWI)

SLOPE WITH STRUCTURE (SWS)

SNOW GUARD

VENT THROUGH ROOF (VTR)

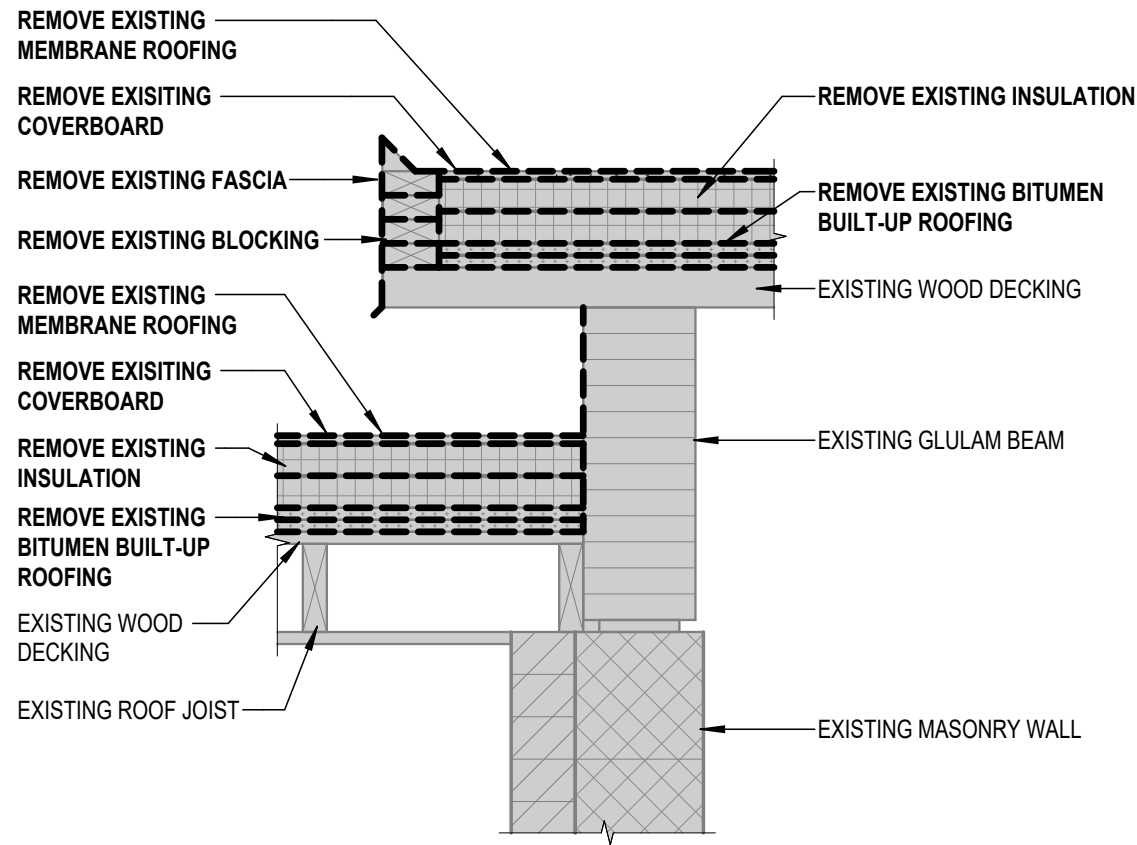


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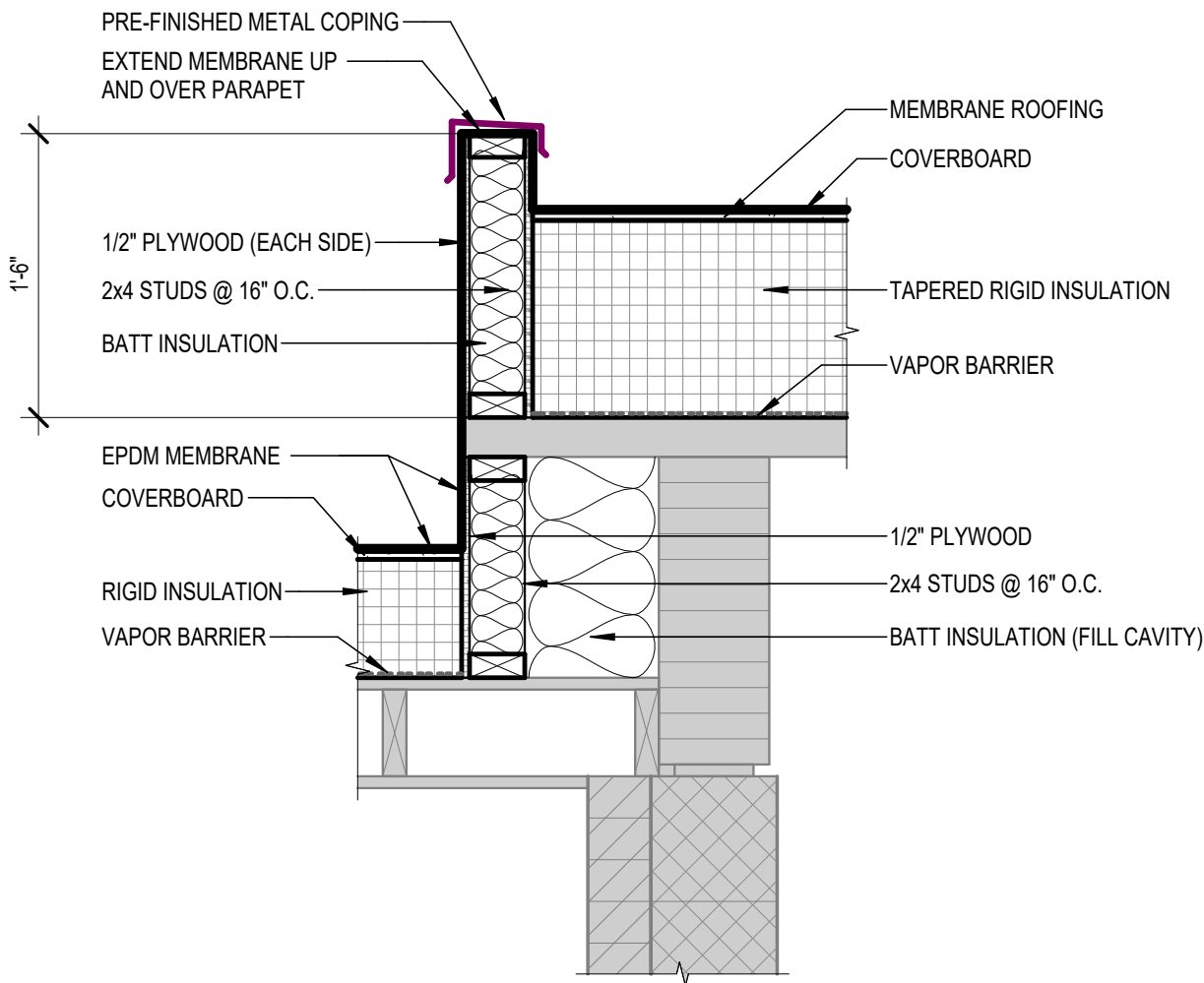
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**SOUTHEAST
BUILDING WING
ROOF PLAN**

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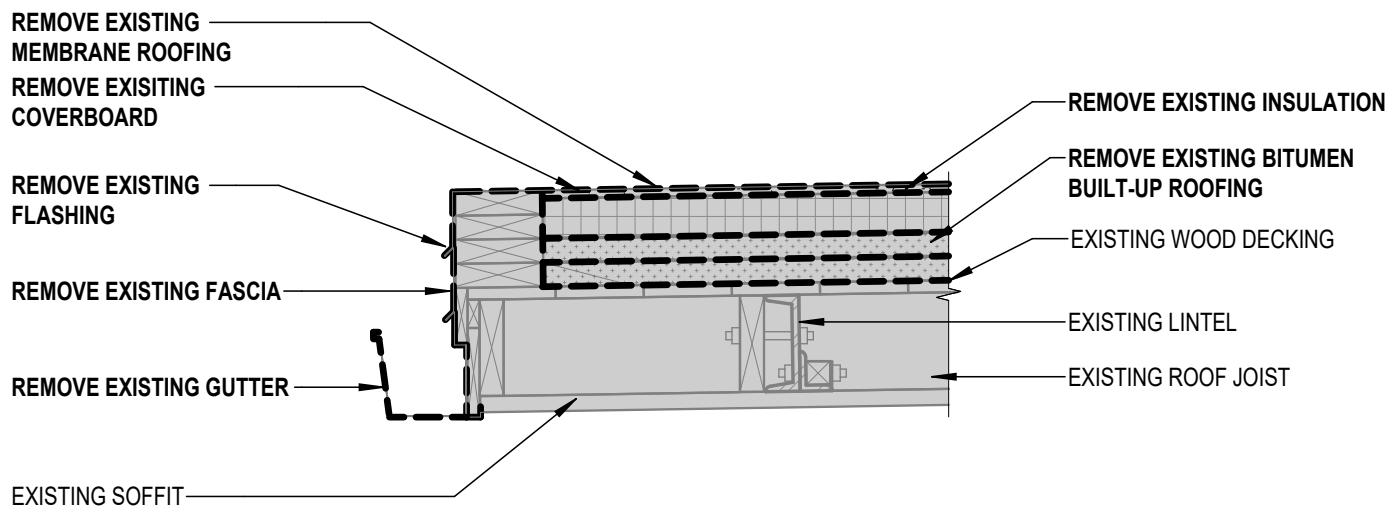


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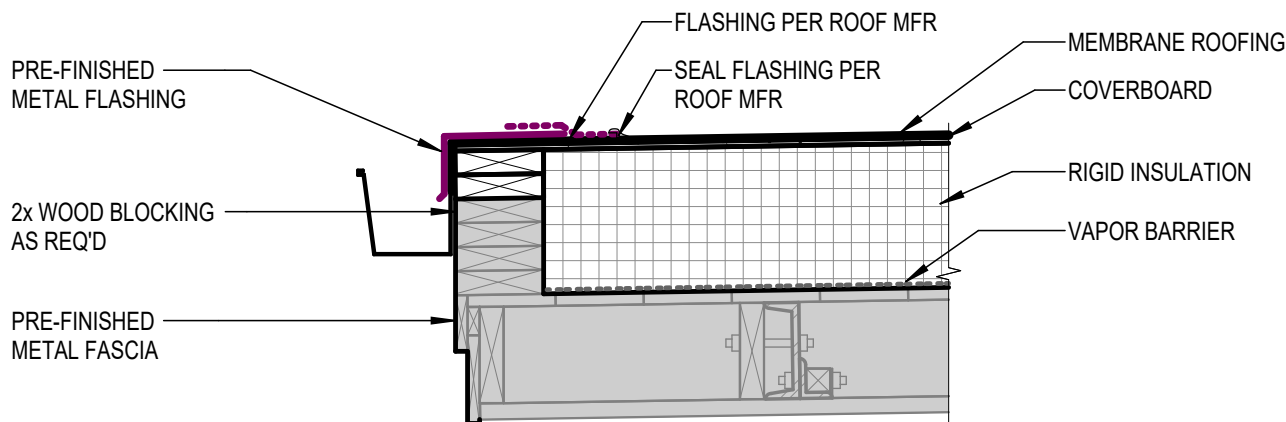


PROPOSED REPLACEMENT

1 ROOF TRANSITION DETAIL - AREA 1
A501 1" = 1'-0"

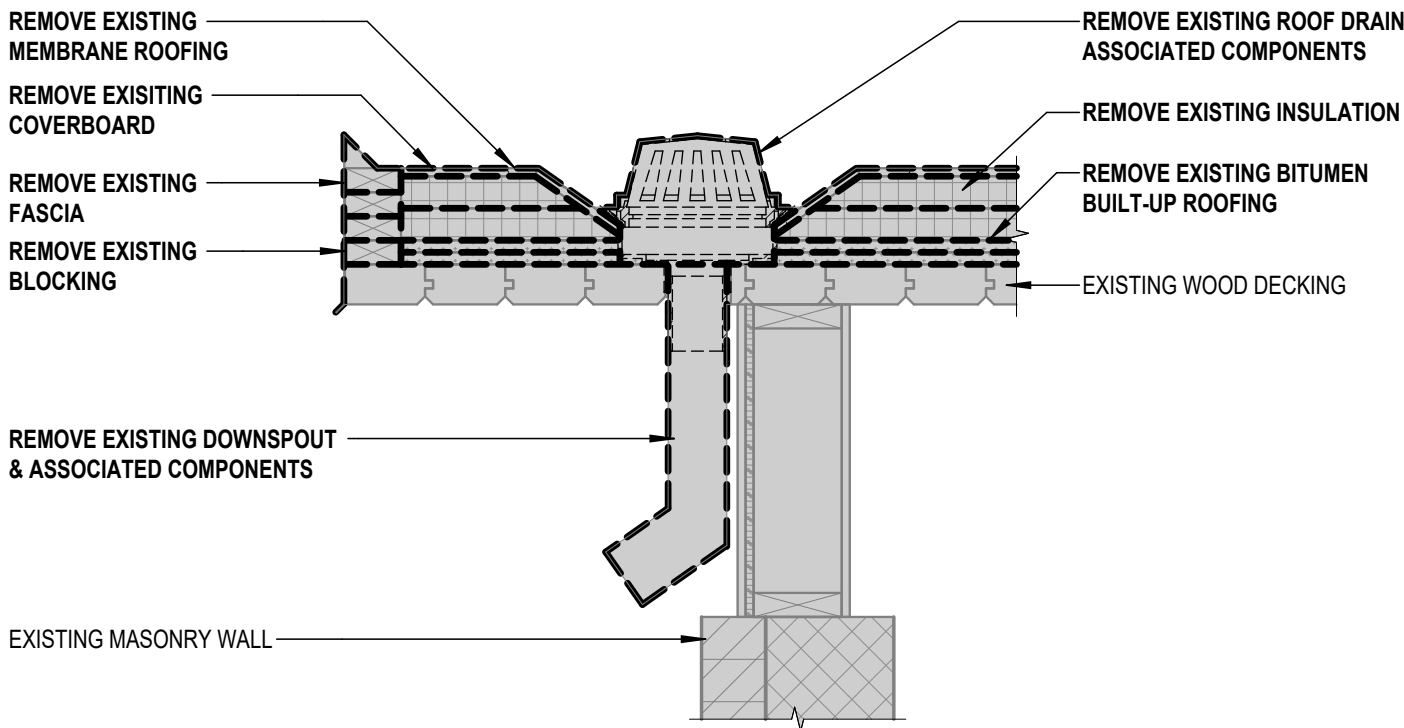


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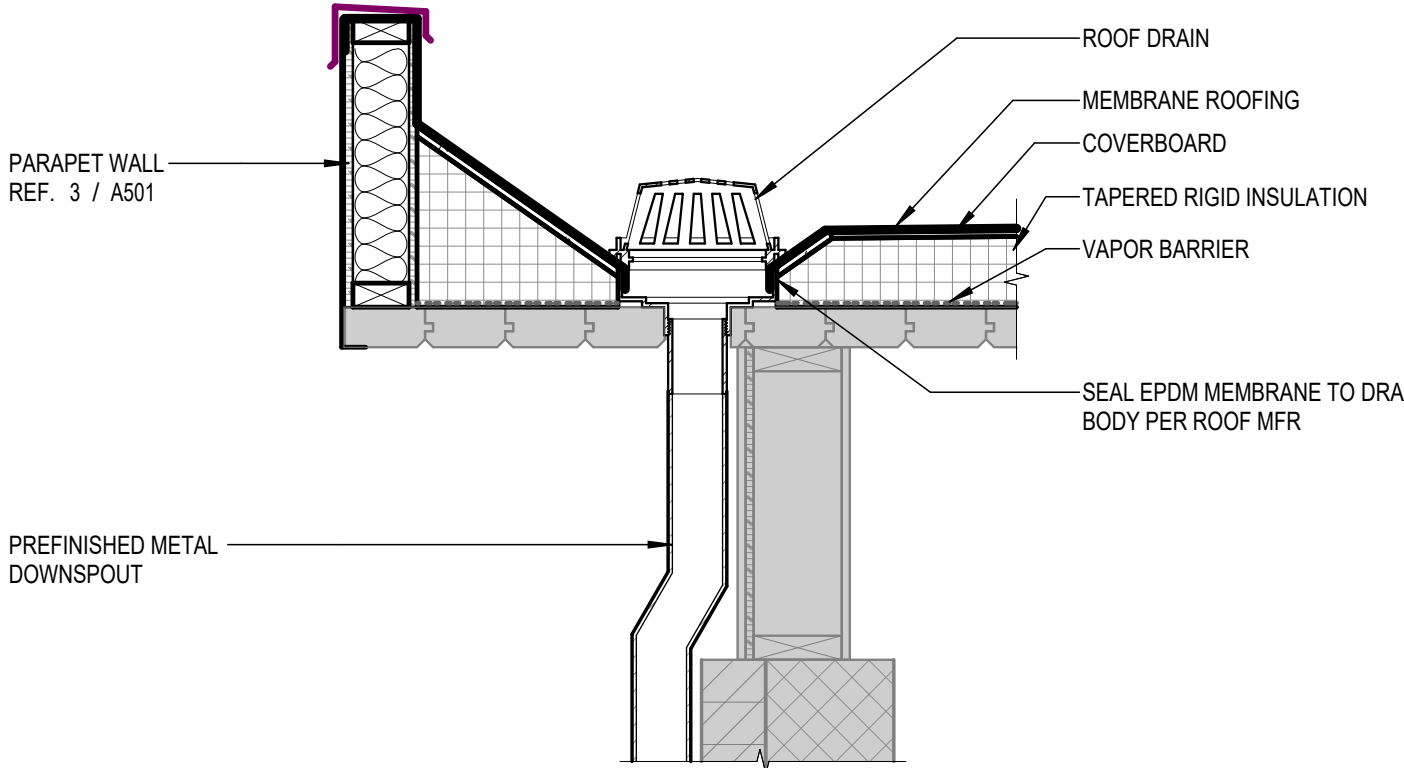


PROPOSED REPLACEMENT

5 ROOF EDGE DETAIL - AREA 1 (CANOPY)
A501 1" = 1'-0"

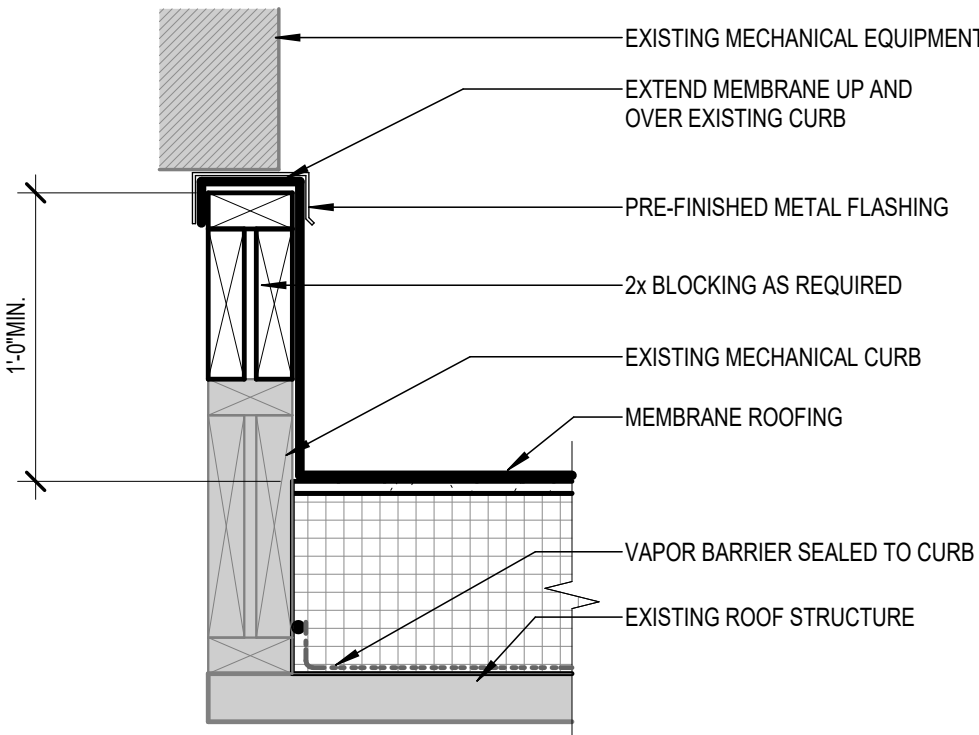


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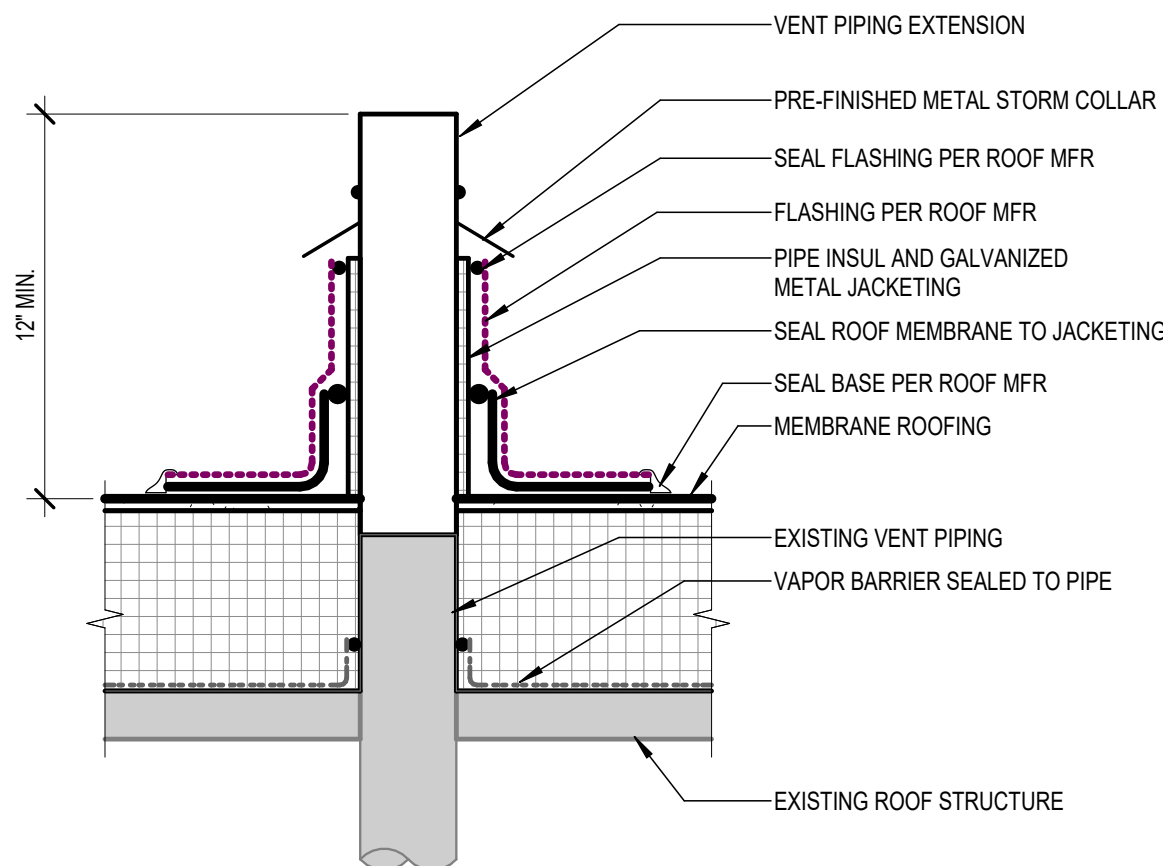


PROPOSED REPLACEMENT

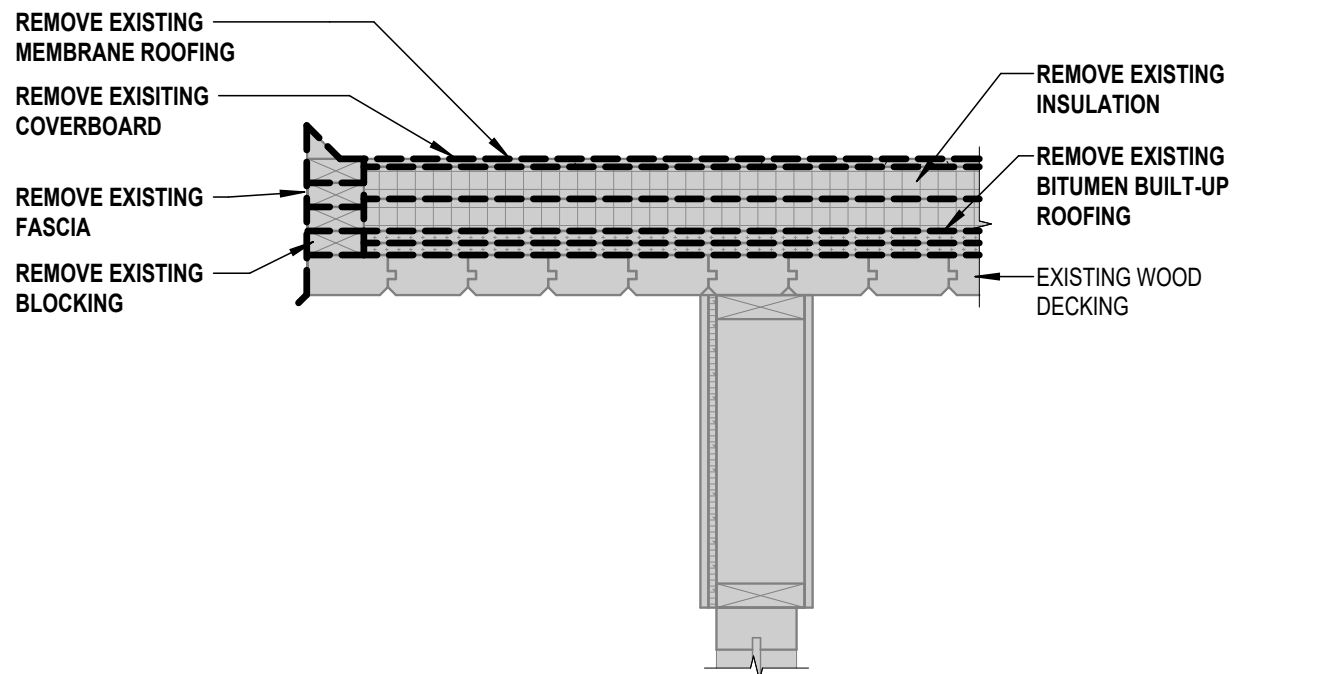
2 ROOF DRAIN DETAIL - AREA 1
A501 1" = 1'-0"



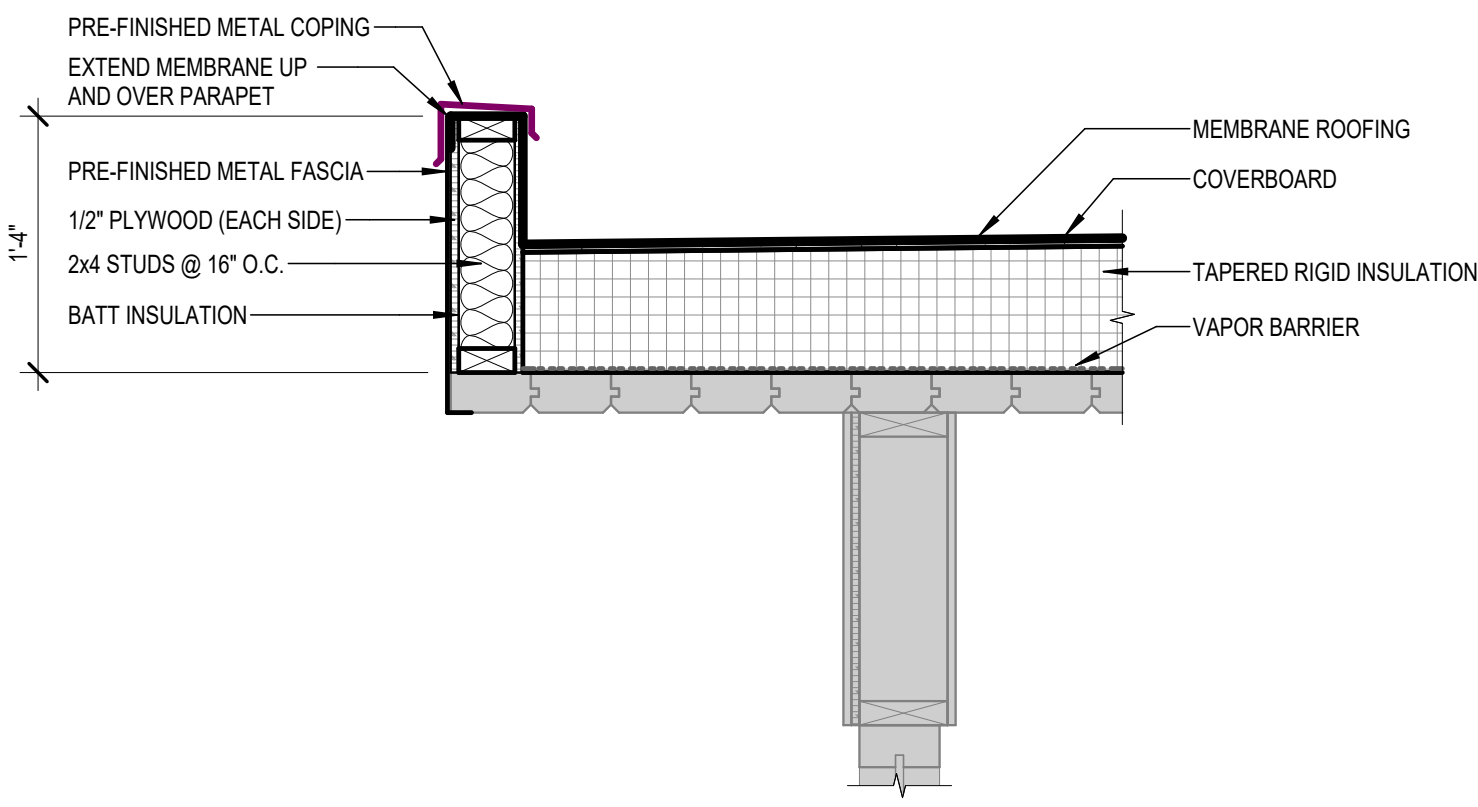
6 MECHANICAL ROOF CURB DETAIL
A501 1 1/2" = 1'-0"



7 VENT THRU ROOF DETAIL
A501 1 1/2" = 1'-0"

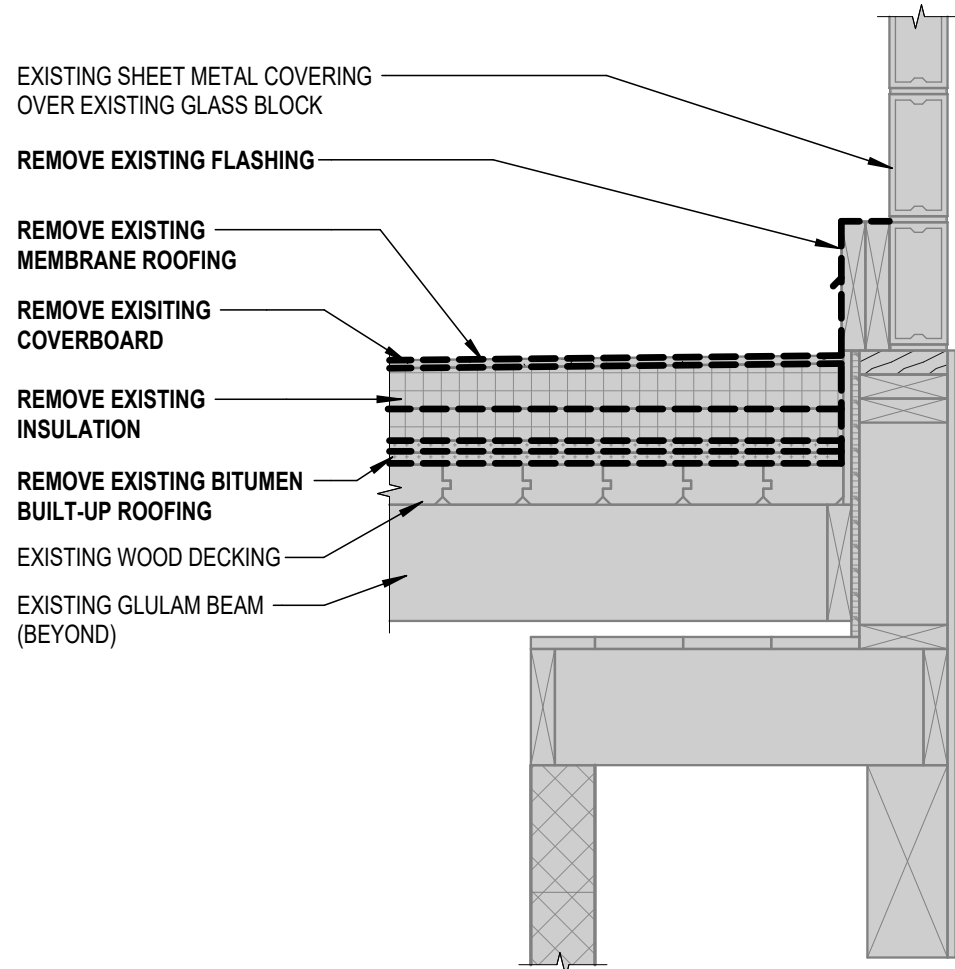


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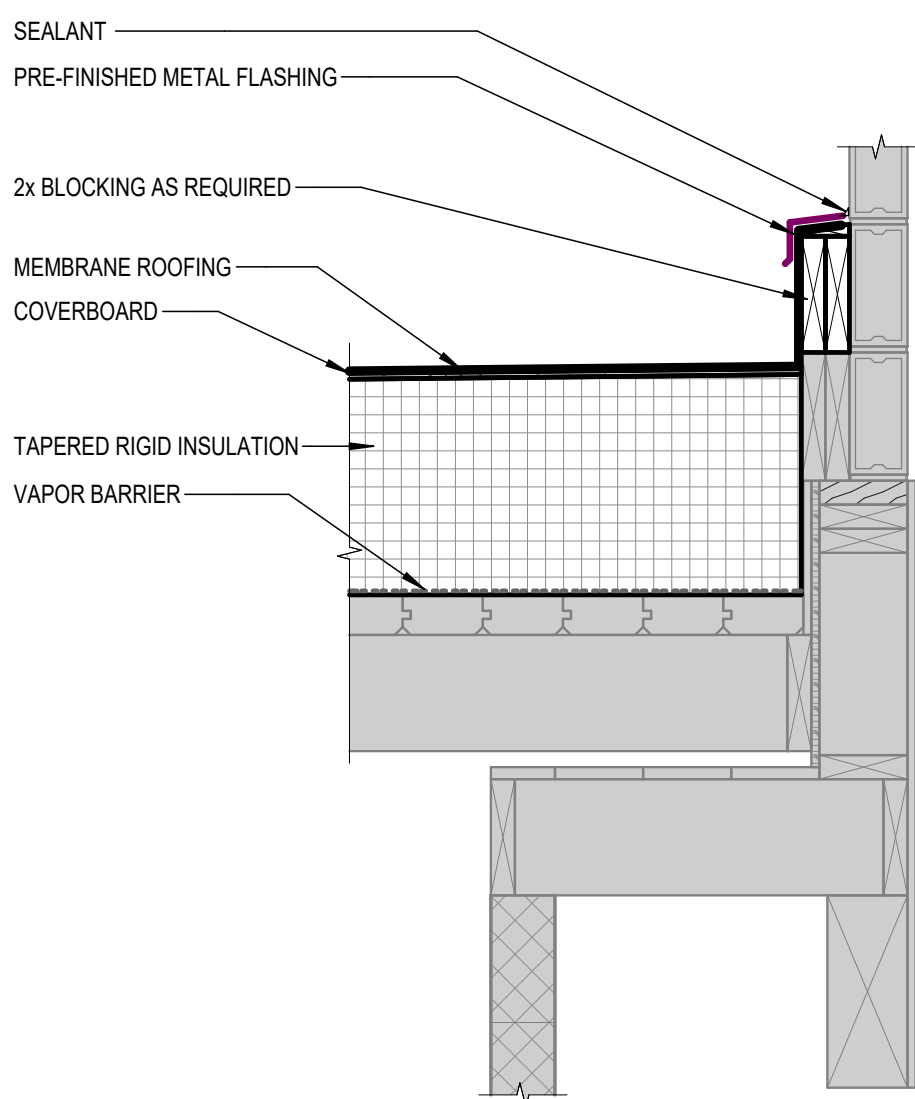


PROPOSED REPLACEMENT

3 PARAPET DETAIL - AREA 1
A501 1" = 1'-0"



EXISTING / DEMO



PROPOSED REPLACEMENT

4 FLASHING DETAIL - AREA 1
A501 1" = 1'-0"

CENTRAL ELEMENTARY ROOF
REPLACEMENT
MENOMINEE COUNTY ISD
MENOMINEE, MI 49858

ISSUED FOR:	DATE:	
	PLAN REVIEW	BIDDING
PROJECT NO:	M385-0427	
DESIGNED BY:	JHR	
DRAWN BY:	BWK	
CHECKED:	WKM	
APPROVED:	WKM	

ROOF DETAILS



1 ROOF EDGE DETAIL - AREA 2 & 6 - HIGH ROOF - HIGH END
A502 1" = 1'-0"



2 ROOF EDGE DETAIL - AREA 2 & 6 - HIGH ROOF - LOW END
A502 1" = 1'-0"



3 ROOF RAKE DETAIL - AREA 2 & 6 - HIGH ROOF
A502 1" = 1'-0"



4 ROOF EDGE DETAIL - AREA 4
A502 1" = 1'-0"

**CENTRAL ELEMENTARY ROOF
REPLACEMENT**

MENOMINEE COUNTY ISD

MENOMINEE, MI 49858

[illegible]

PROJECT NO:	
M385-04227	
DESIGNED BY:	JHR
DRAWN BY:	BJK
CHECKED:	WKM
APPROVED:	WKM

ROOF DETAILS

A502



EXISTING / DEMO



EXISTING / DEMO



EXISTING / DEMO



EXISTING / DEMO



EXISTING / DEMO



**CENTRAL ELEMENTARY ROOF
REPLACEMENT**

MENOMINEE COUNTY ISD

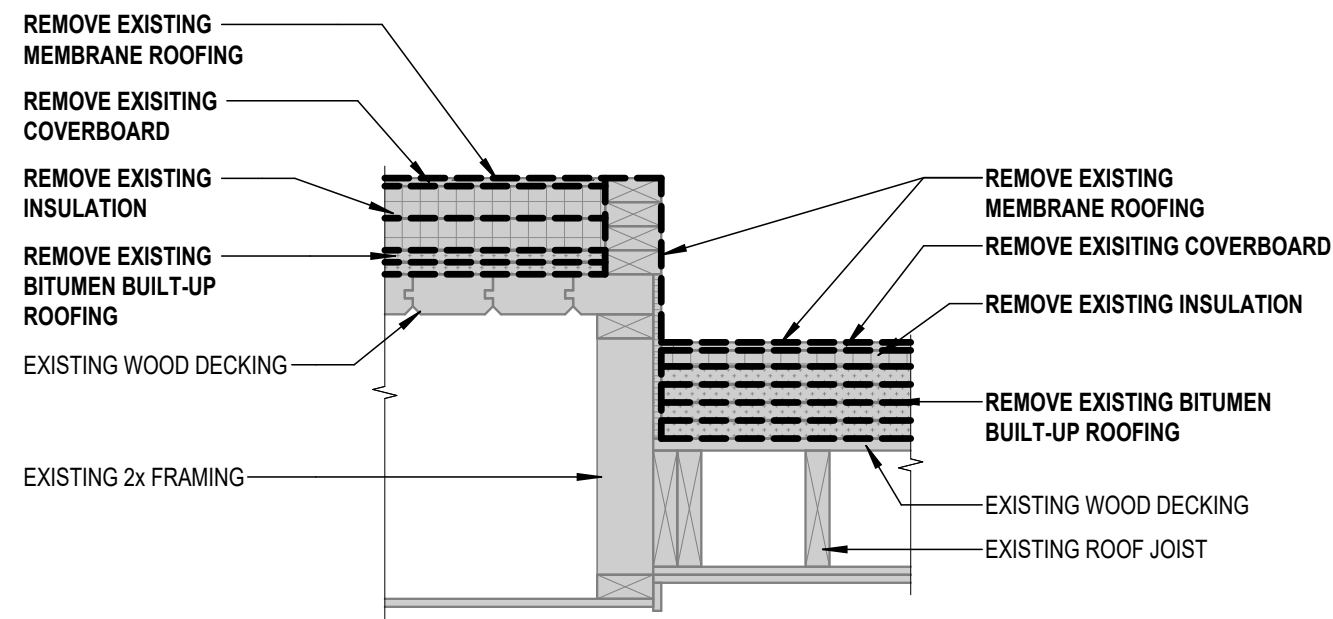
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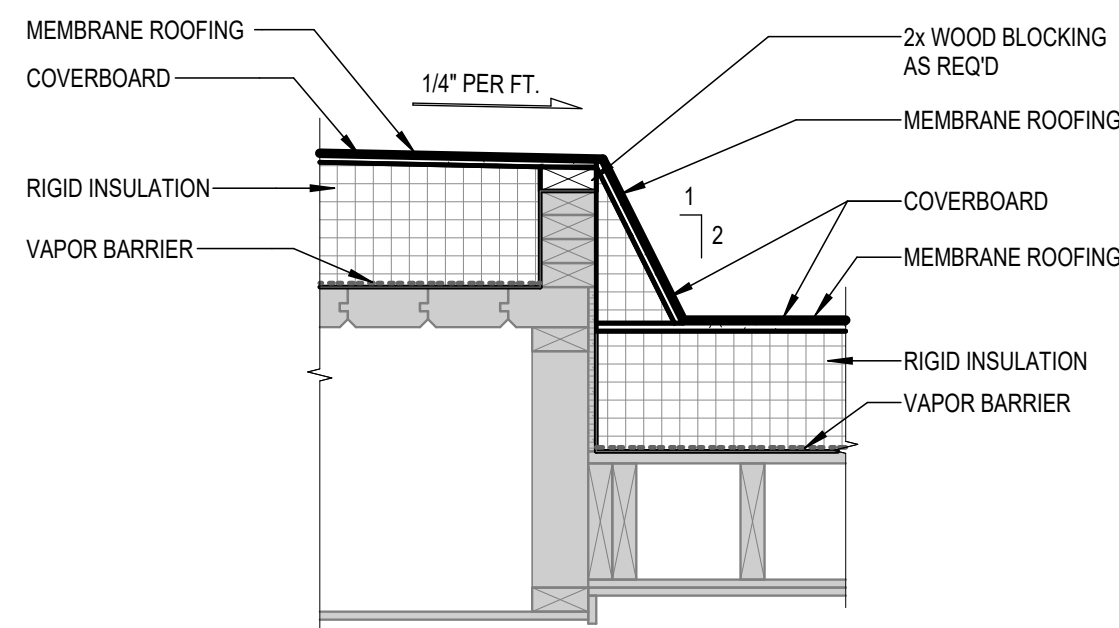
PROJECT NO:	
M385-04227	
DESIGNED BY:	JHR
DRAWN BY:	BJK
CHECKED:	WKM
APPROVED:	WKM

ROOF DETAILS

A503

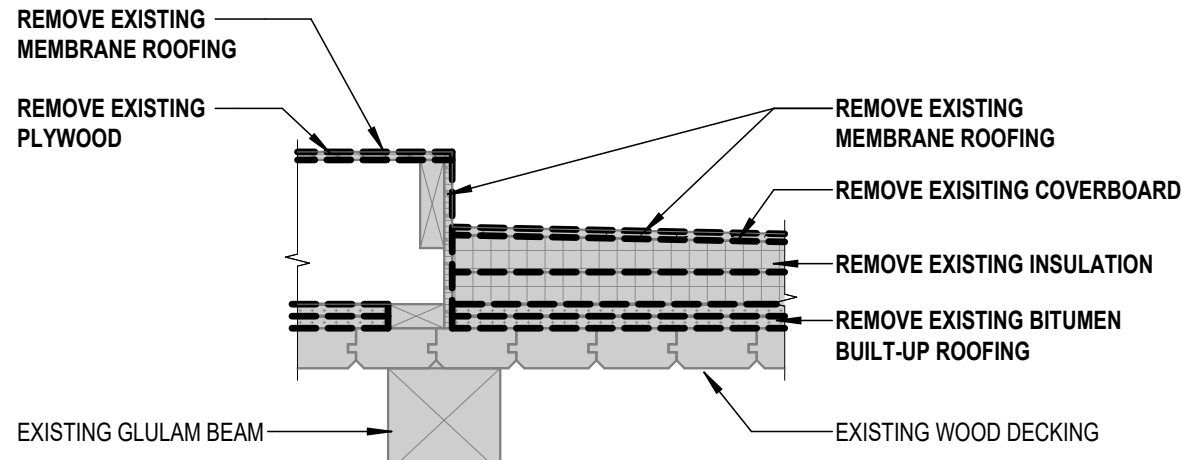


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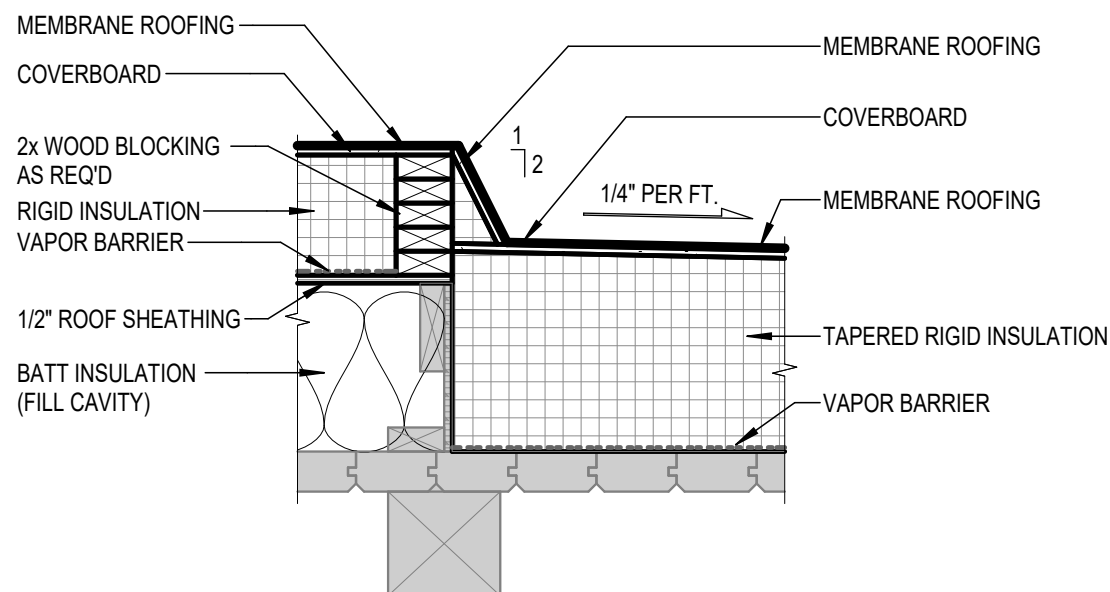


PROPOSED REPLACEMENT

1 ROOF TRANSITION DETAIL - AREA 3 & 5
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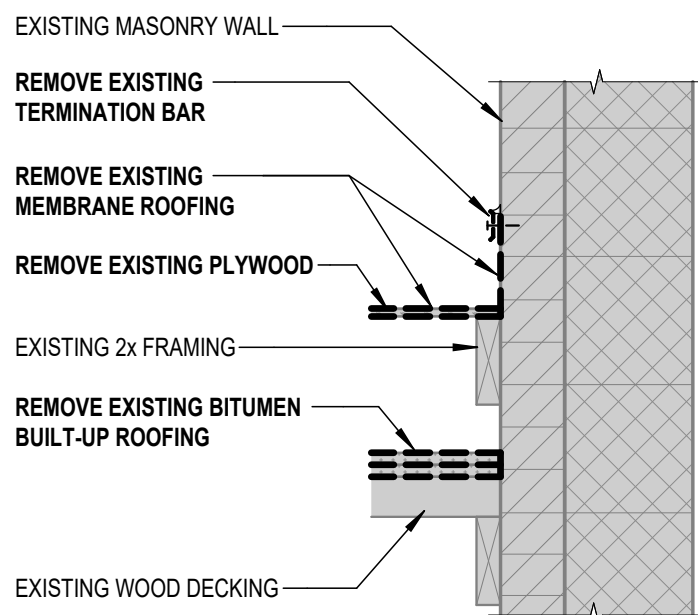


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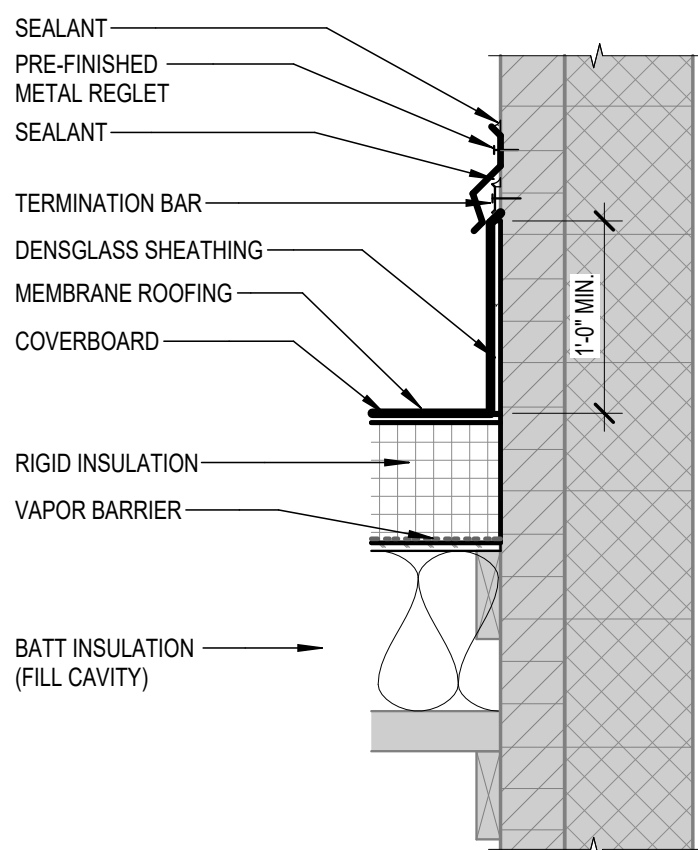


PROPOSED REPLACEMENT

2 ROOF TRANSITION DETAIL - AREA 5
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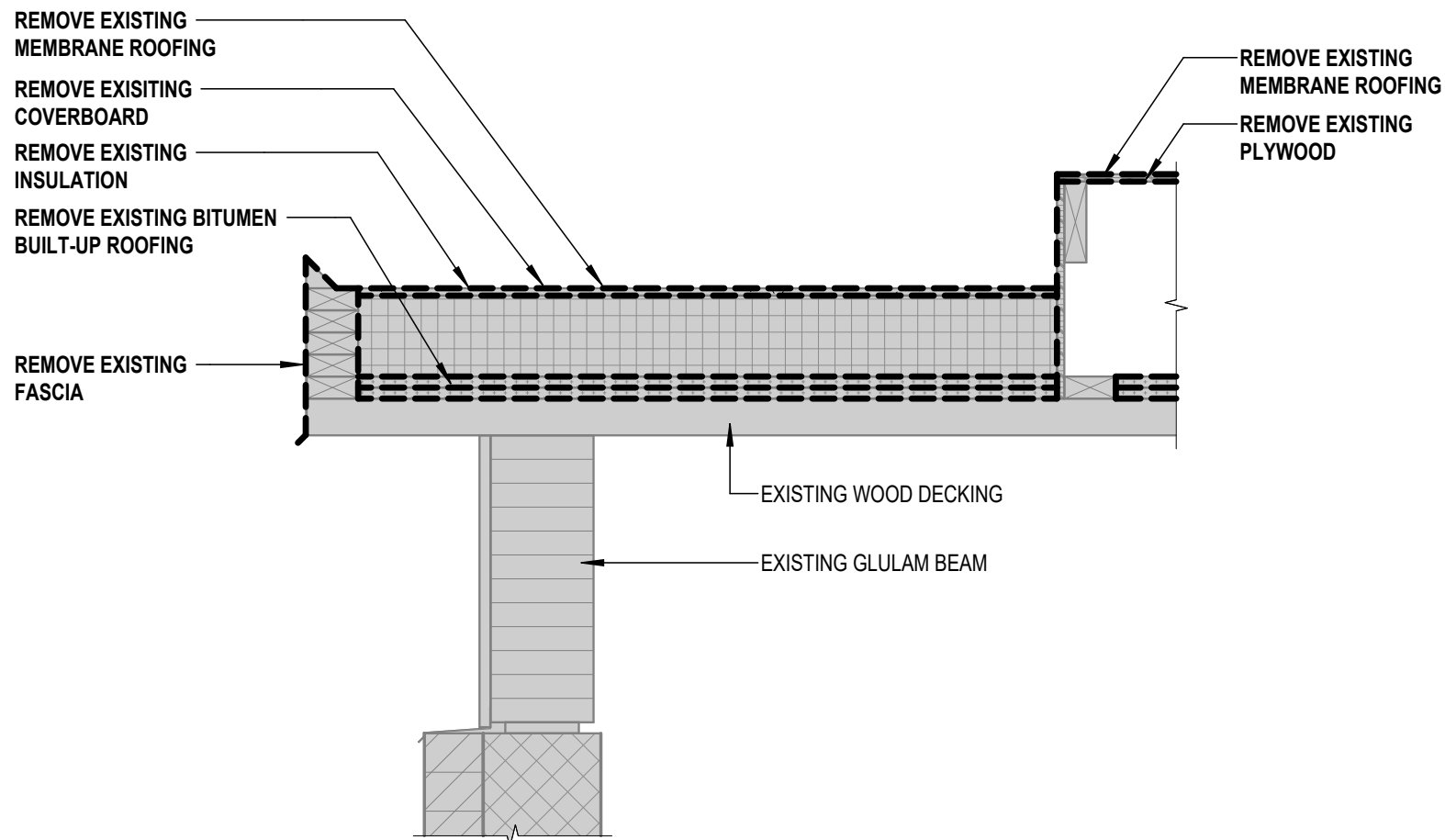


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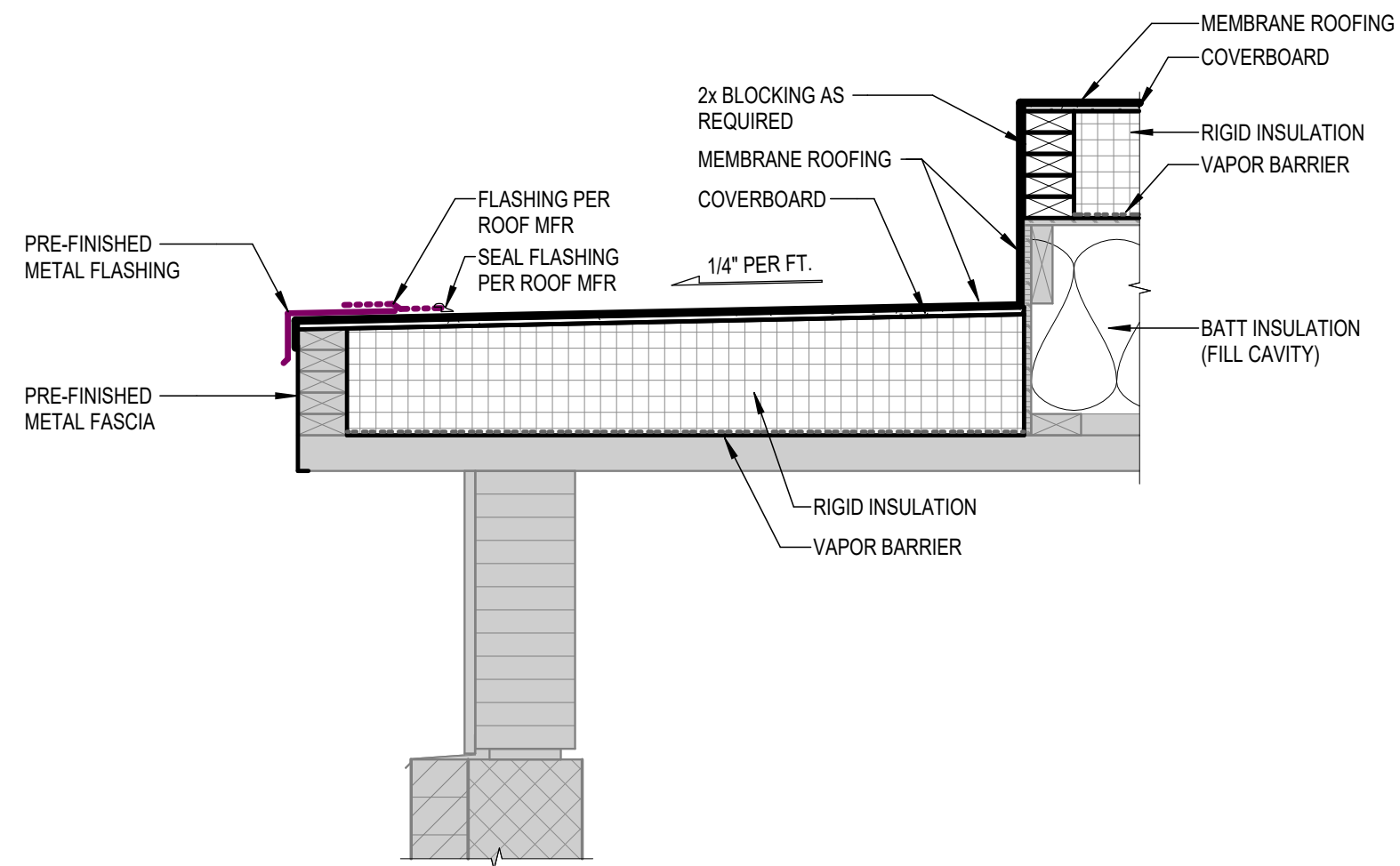


PROPOSED REPLACEMENT

3 REGLET DETAIL - AREA 5
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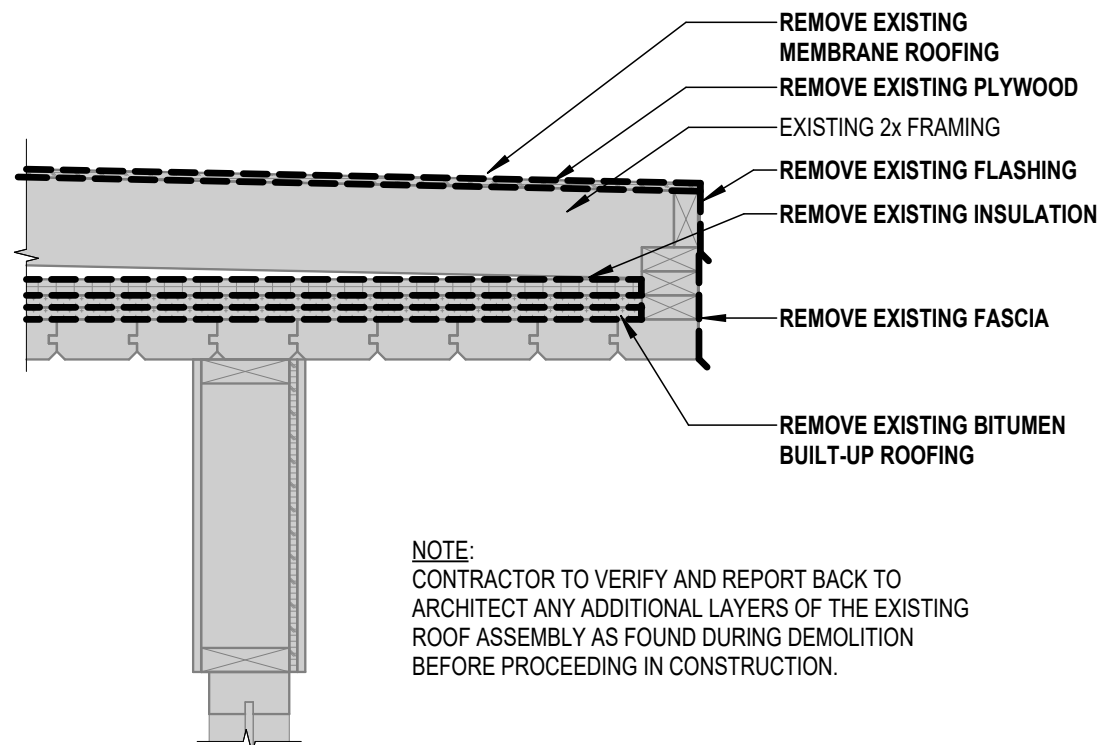


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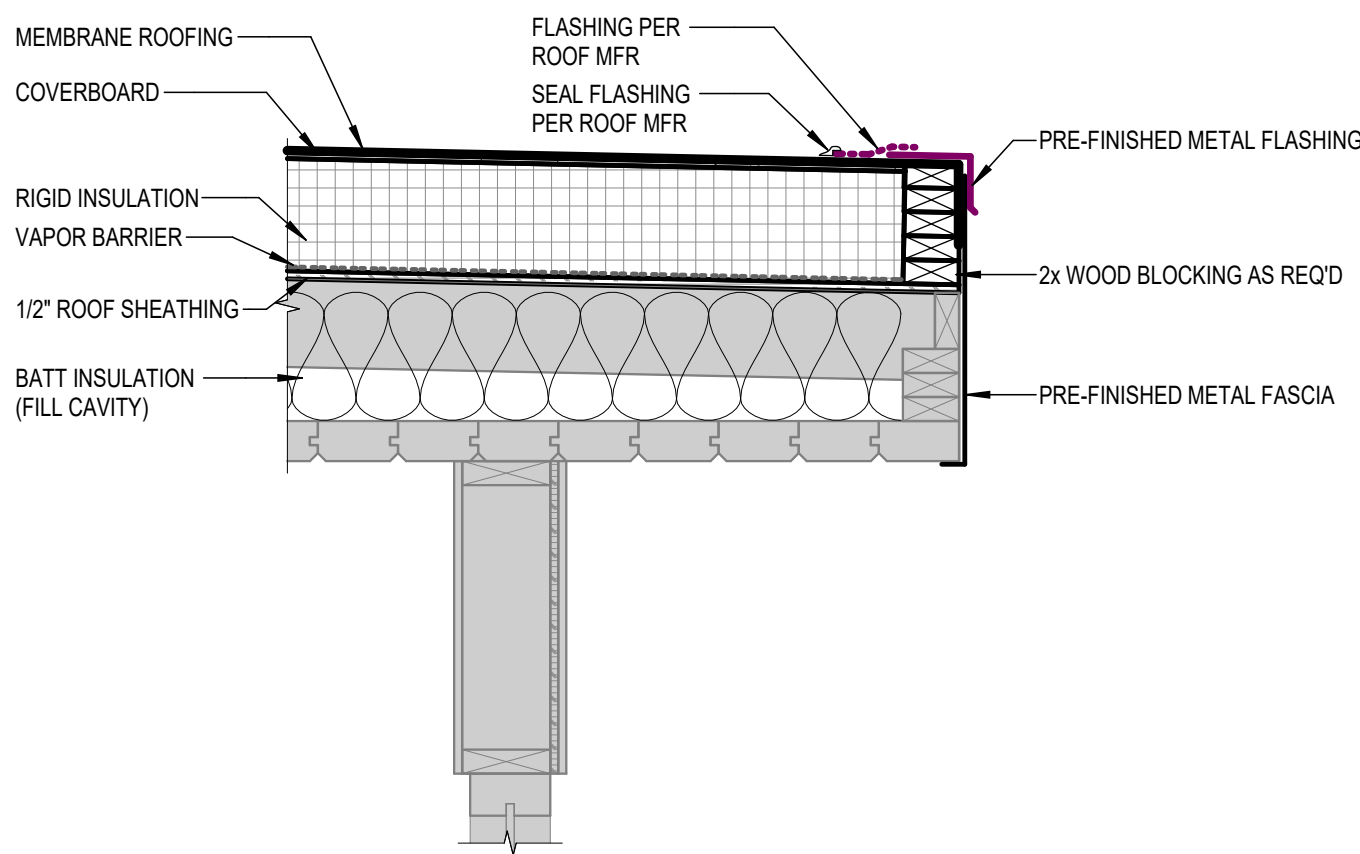


PROPOSED REPLACEMENT

4 ROOF RAKE DETAIL - AREA 5
1\"/>



EXISTING / DEMO



PROPOSED REPLACEMENT

5 ROOF EDGE DETAIL - AREA 5
1\"/>