

**Addendum No. 2**  
**March 23, 2026**

Project: **Harrisburg Heritage Elementary School & Harrisburg South Middle School Re-Roof**  
200 E Willow Street & 600 S Cliff Avenue  
Harrisburg, South Dakota

Project Number: 3162

Architect: Architecture Incorporated

Letting: **Wednesday, March 25, 2026**  
**1:00 PM, prevailing local time**  
Harrisburg Community Center Conference Room  
200 Willow Street  
Harrisburg, South Dakota 57032

Scope of this Addendum:

To all bidders and all others to whom drawings and specifications have been issued by Architecture Incorporated, this Addendum forms a part of the Contract Documents. Acknowledge receipt of this addendum by listing its number and date in the bidder's Form of Proposal. Failure to do so may subject bidder to disqualification. This addendum modifies the drawings and specifications as follows:

**GENERAL ITEMS:**

1) PRE-BID MEETING MINUTES –

- a) The meeting minutes from the Pre-Bid Meeting which was held Wednesday, March 18<sup>th</sup>, 2026 at 2:00 pm are attached to the end of this addendum.

2) SHEET 5.50 – DEMOLITION ROOF PLAN – HERITAGE ELEMENTARY SCHOOL

- a) The Contractor shall remove and replace approximately 40 linear feet of existing sheet metal flashing along the west side of Heritage Elementary. New flashing to match profile and color of existing.
  - i) Reference *revised* drawing Sheet 5.50, *revision* dated 3-23-26, attached to the end of this addendum for location.

3) SHEET 5.51 – ROOF PLAN & DETAILS – HERITAGE ELEMENTARY SCHOOL

- a) Reference *revised* drawing Sheet 5.51, *revision* dated 3-23-26, attached to the end of this addendum for the following:
  - i) The Contractor shall remove and replace approximately 40 linear feet of existing sheet metal flashing along the west side of Heritage Elementary. New flashing to match profile and color of existing.
  - ii) The Contractor shall furnish and install a new downspout to collect runoff from the existing scupper near the entrance at the southwest corner of the Heritage Elementary school building.

- iii) The detail at the roof-to-wall transition along the northeast corner of the re-roof area has been modified. The large metal flashing along the upper masonry wall shall be replaced with a termination bar and a 2-piece sheet metal flashing installed in a reglet cut. Reference *NEW* detail 7 on *revised* drawing Sheet 5.51 for additional information.
- iv) Reference *NEW* roof transition details 8 & 9 on *revised* drawing Sheet 5.51 for detail clarifications where the new EPDM membrane ties into the existing coated roofing membrane at the butterfly roof.
- v) Detail 6 has been updated to correctly show a new 2-piece metal flashing at the membrane termination.

4) SHEET 5.52 – DEMOLITION ROOF PLAN – HARRISBURG SOUTH MIDDLE SCHOOL

- a) The demolition roof plan has been updated to more accurately reflect the Base Bid re-roof area(s). The very south end of this roof was recently repaired; this area shall not be included in the project scope.
  - i) Reference *revised* drawing Sheet 5.52, *revision* dated 3-23-26, attached to the end of this addendum for additional information.

5) SHEET 5.53 – ROOF PLAN & DETAIL – HARRISBURG SOUTH MIDDLE SCHOOL

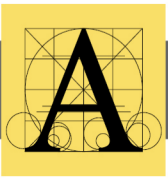
- a) Reference *revised* drawing Sheet 5.53, *revision* dated 3-23-26, attached to the end of this addendum for the following:
  - i) The roof plan has been updated to more accurately reflect the Base Bid re-roof area(s). The very south end of this roof was recently repaired; this area shall not be included in the project scope.
  - ii) The Contractor shall furnish and install adhered walkway pads along the edges of the existing standing seam roofs; match existing condition.
  - iii) The Contractor shall add a small amount of tapered insulation between the gymnasium and commons clerestory to promote positive drainage in this area. Tie new EPDM roofing into existing EPDM roofing according to manufacturers standard details.

6) GENERAL ITEMS

- a) All termination bars shall be covered with a 2-piece sheet metal flashing installed in reglet cuts in the existing brick veneer at the Heritage Elementary site.
- b) Where existing 2-piece sheet metal flashings exist at the Heritage Elementary site the Contractor shall only be required to replace the bottom portion of the 2-piece flashing assembly. The portion that is installed in existing reglet cuts can remain.
- c) The polyurethane coating on the existing roof membrane at the northwest corner of the Heritage Elementary site is Tremco's *AlphaGuard BIO Top Coat*.
  - i) Reference the product data sheets (4 pages total) attached to the end of this addendum for additional information.

- ii) The successful low bidder shall be responsible for providing & applying a small amount of this polyurethane coating where necessary to tie the new membrane roofing into the existing (coated) membrane roofing in accordance with Tremco's written instructions to maintain the existing warranty on the existing (coated) roof.

END OF ADDENDUM No. 2



## **Harrisburg Heritage Elementary School & Harrisburg South Middle School Re-Roof Harrisburg, South Dakota**

### **Pre-Bid Meeting March 18, 2026**

Architect's Project No.: 3162

#### **Attendees:**

Jim Reinhardt, Harrisburg School District  
Grant Loeffelbein, Brookings Roofing  
Brad Merriman, Brookings Roofing  
Jason Pittmann, Architecture Incorporated

Ian Wenzel, Stonebrook Exteriors  
Michael Blitsch, ARS Roofing  
Ryan Grant, ARS Roofing

#### **The following was discussed:**

1. The project consists of removal and replacement of select existing roof areas at both the Harrisburg Heritage Elementary and Harrisburg South Middle School buildings in Harrisburg, South Dakota. Copies of the project documents can be obtained from CADD Engineering Supply. (605)-332-2550.
2. Work may not physically start on either site until May 22, 2026 – or later. As of this meeting, the last scheduled day of classes in both buildings is May 21, 2026.
  - a. The Owner noted that this is subject to change if snow days are encountered between now and the end of the school year.
3. The Owner takes no exception to the Contractor working concurrently at both sites if he has enough manpower to maintain the existing buildings in a weathertight condition.
4. The Heritage Elementary building and site will be occupied throughout the entire project.
  - a. The west half of the Heritage re-roof project occurs over the portion of the building that is occupied by the Lincoln County Sheriff's Department.
  - b. Contractors shall not utilize the west half of the south parking lot for parking or work activities unless work has been coordinated with and permission granted by both the Owner and the Sheriff's Department.
  - c. The Contractor shall salvage all existing rock ballast and stockpile it at the location(s) indicated on the drawings.
  - d. The Owner may take possession of some of the existing EPDM membrane that is removed during the project. This will be coordinated more with the successful low bidder.

5. The Owner noted that there will be a concurrent EIFS repair project that will be ongoing at the Harrisburg South Middle School site over the summer. The successful Contractor will be expected to coordinate his re-roofing work schedule accordingly to accommodate the Owner's EIFS contractor.
6. The Owner stated that, due to a schedule conflict, Guarantee Roofing visited the site last week to review the existing conditions.
7. The project bids Wednesday, March 25, 2026, at 1:00 p.m. at the Harrisburg Community Center Conference Room at the Harrisburg School District Administration Offices, 200 Willow Street, Harrisburg, South Dakota 57032.
  - a. Sealed bids should be delivered in person to the Heritage Elementary administrative office.
  - b. Bidders may mail their sealed bids to the Owner ahead of the proposed bid letting date / time.
8. Provided acceptable bids are received, it is the Owner's intent to award the project as soon as possible following the bid.
9. A downspout will be added to collect runoff from the small roof over the entrance at the southwest corner of the Heritage Elementary school building. Reference updated drawings attached to Addendum #2 for additional information.
10. The project will include replacing approx. 40 feet of existing sheet metal on the west side of the Heritage Elementary school building. Reference updated drawings attached to Addendum #2 for additional information.
11. All termination bars shall be covered with a 2-piece sheet metal flashing installed in reglet cuts in the existing brick veneer at the Heritage Elementary site. Reference updated drawings attached to Addendum #2 for additional information.
12. Where existing 2-piece sheet metal flashings exist at the Heritage Elementary site the Contractor shall only be required to replace the bottom portion of the 2-piece flashing assembly. The portion that is installed in existing reglet cuts can remain.
13. The large metal flashing along the upper masonry wall at the Heritage Elementary site will be replaced with a termination bar and a sheet metal flashing installed in a reglet cut. The Contractor shall not replace the existing metal flashing with metal flashing matching the existing condition. Reference updated drawings attached to Addendum #2 for additional information.
14. Reference updated drawings attached to Addendum #2 for details regarding the termination / tie-in of the new EPDM membrane at the transition to the butterfly roof at the Heritage Elementary site.
15. Questions raised by attendees – *responses identified in italics*:
  - a. What is the existing roof coating that is on the EPDM roofing on the existing butterfly roof at the Heritage Elementary site? *According to the Owner's records, the existing coating is Tremco's polyurethane AlphaGuard BIO Top Coat. Product data will be attached to Addendum #2.*

- b. Who is the roof membrane manufacturer of the existing EPDM roofing that has recently been repaired at the south end of the Harrisburg South Middle School site? *According to the Owner's records, the roof membrane in question was manufactured by Elevate.*

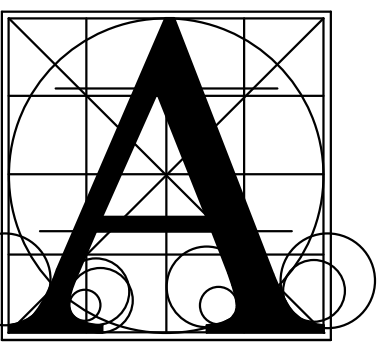
Respectfully submitted,

Jason Pittmann, AIA, CDT, CCCA, LEED AP

GENERAL NOTES - ROOF PLAN

- A. GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE JOB SITE. REPORT DISCREPANCIES TO THE ARCHITECT.
- B. EXISTING ROOFS TO BE RE-ROOFED: REMOVE EXISTING ROCK BALLAST, EPDM MEMBRANE, PREFINISHED METAL COPINGS AND METAL ROOF EDGES. (EXISTING ROOF INSULATION TO REMAIN.)
- C. DISCONNECT/RE-CONNECT ANY MECHANICAL AND ELECTRICAL ITEMS AS REQUIRED FOR INSTALLATION OF NEW ROOF MEMBRANE.
- D. PROVIDE FULLY ADHERED SINGLE-PLY ROOF MEMBRANE (EPDM) OVER NEW 1/2" COVER BOARD. EXISTING INSULATION TO REMAIN.
- E. FURNISH NEW PREFINISHED METAL COPING AND ROOF EDGE.
- F. PROVIDE ALL FLASHING DETAILS PER MANUFACTURER'S RECOMMENDATIONS AT ROOF DRAINS, ROOF PENETRATIONS AND ALL EQUIPMENT CURBS/ROOF HATCHES.
- G. CONTRACTOR TO REMOVE EXISTING ROCK BALLAST AND STOCK PILE FOR OWNER PICKUP.

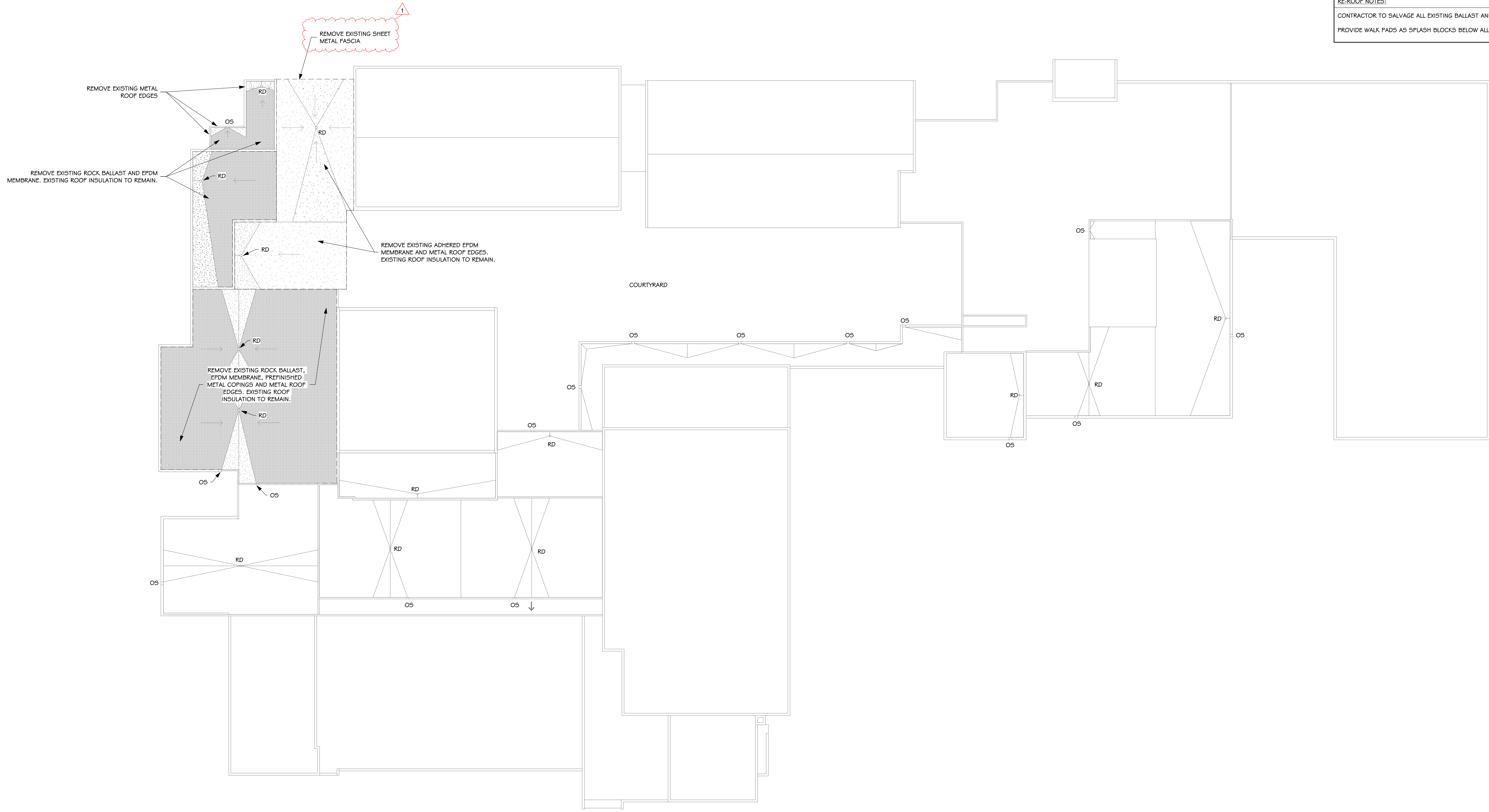
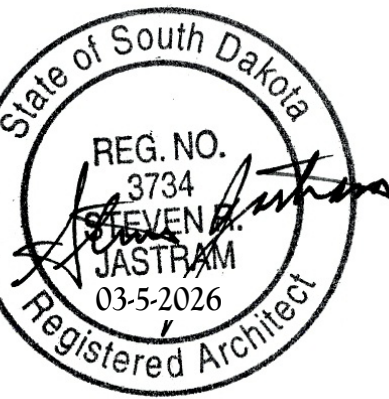
RE-ROOF NOTES:  
 CONTRACTOR TO SALVAGE ALL EXISTING BALLAST AND DELIVER TO THE OWNER.  
 PROVIDE WALK PADS AS SPLASH BLOCKS BELOW ALL SCUPPERS.



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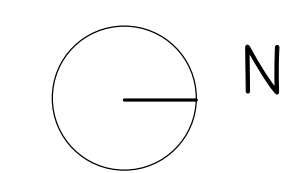
415 South Main Avenue  
 P.O. Box 2140  
 Sioux Falls, South Dakota 57101  
 Phone: (605) 339-1711

815 St Joseph Street, Suite 203  
 Rapid City, South Dakota 57701  
 Phone: (605) 721-1158



DEMOLITION ROOF PLAN - HARRISBURG HERITAGE ELEMENTARY SCHOOL

SCALE: 1" = 20'-0"



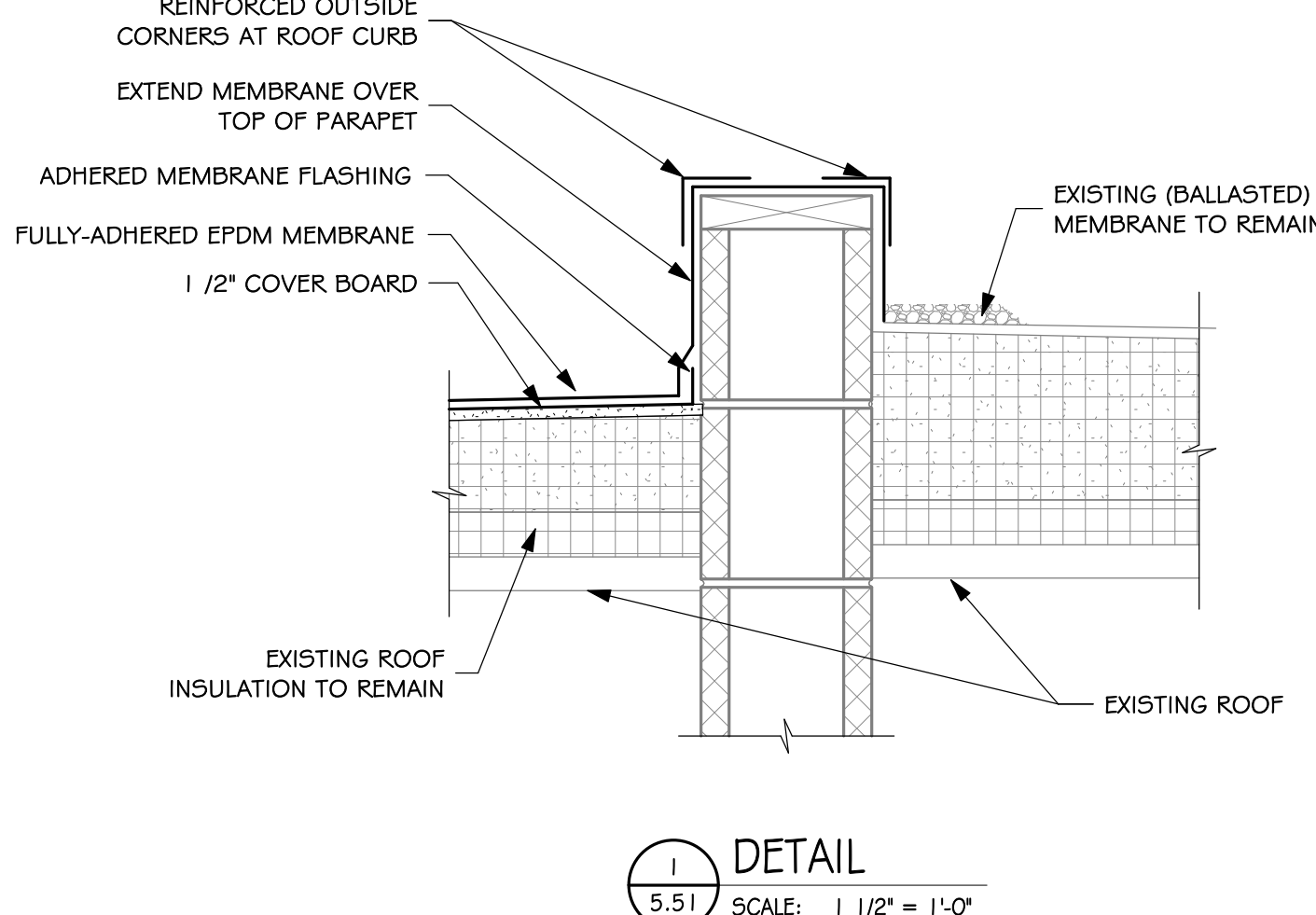
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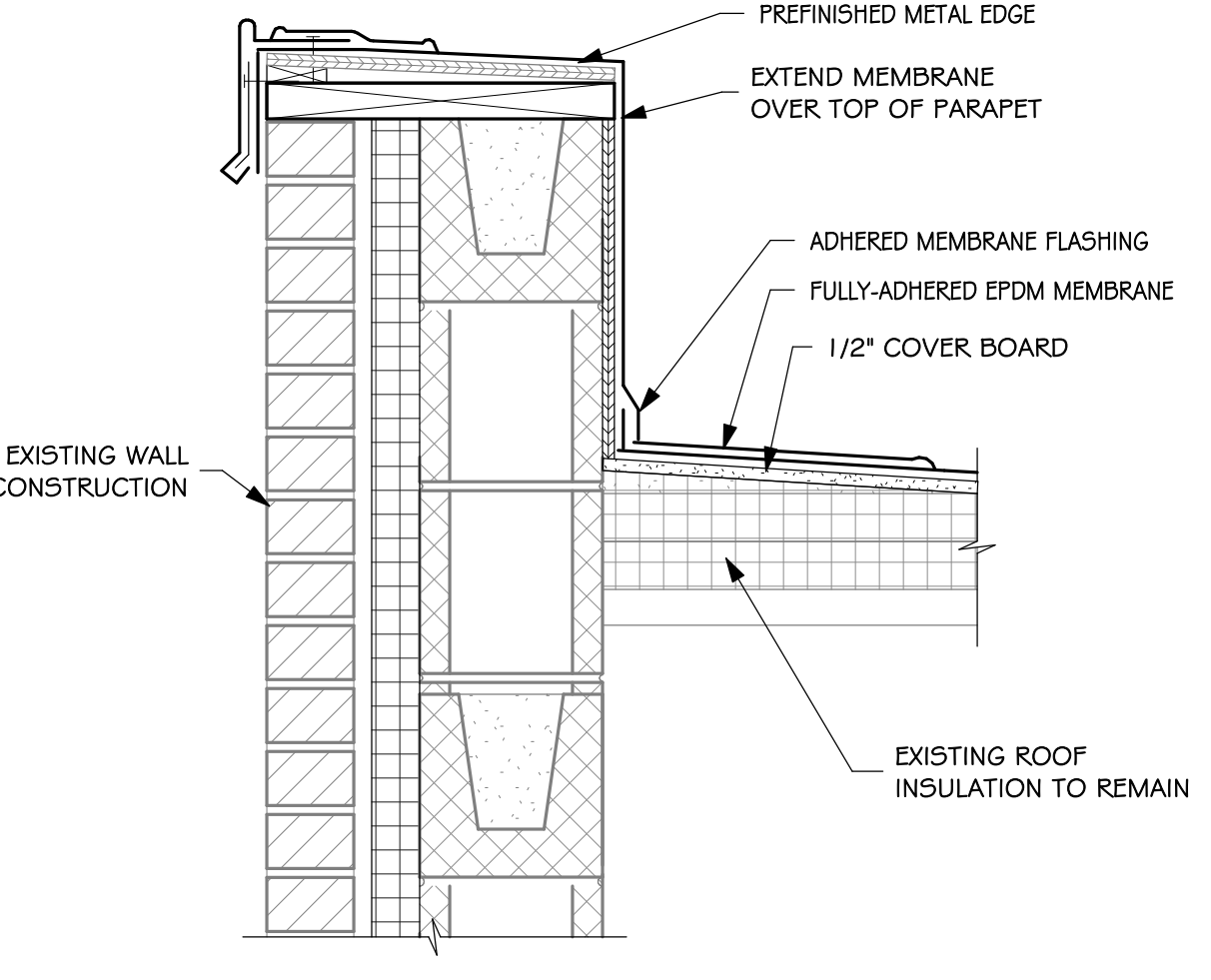
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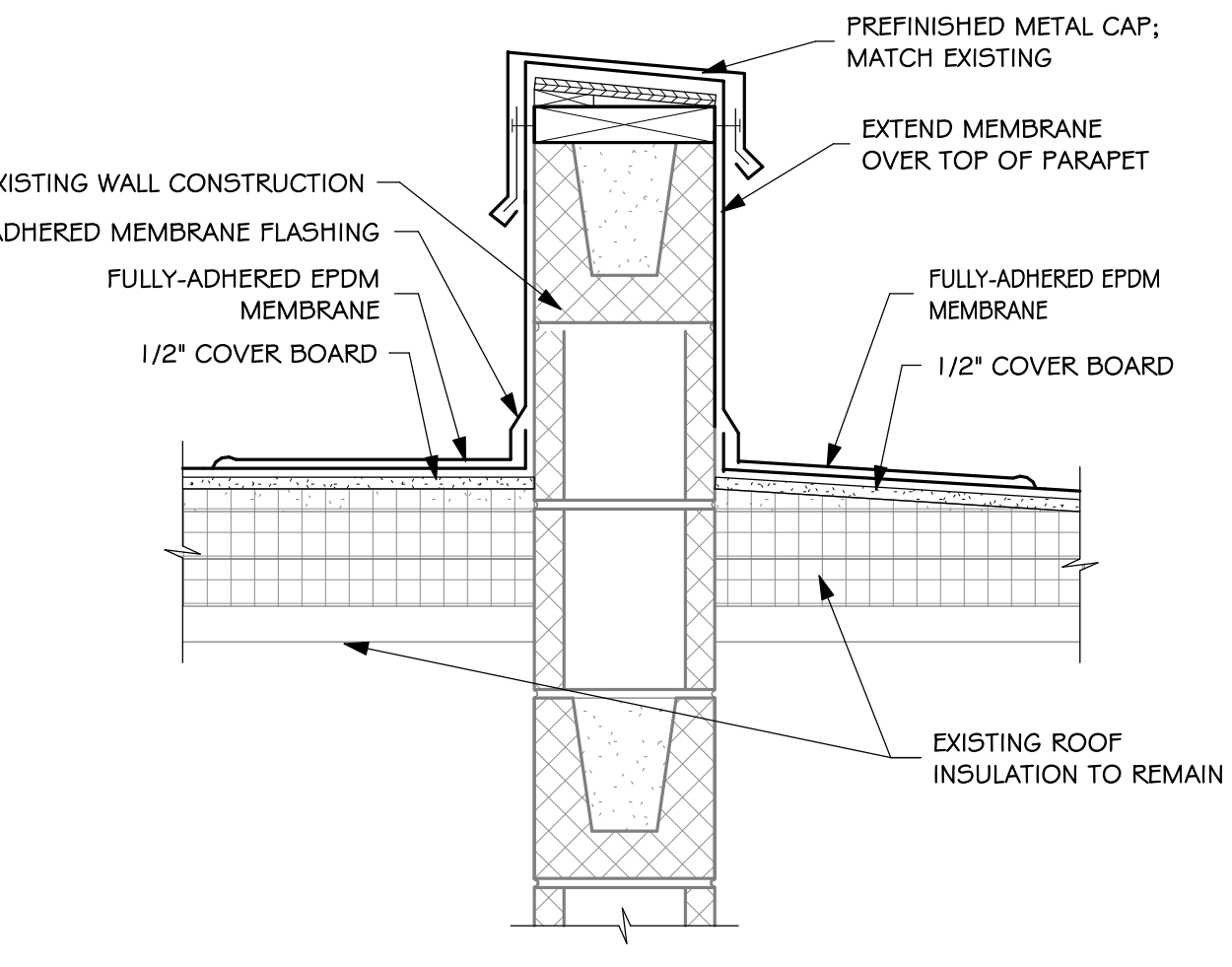
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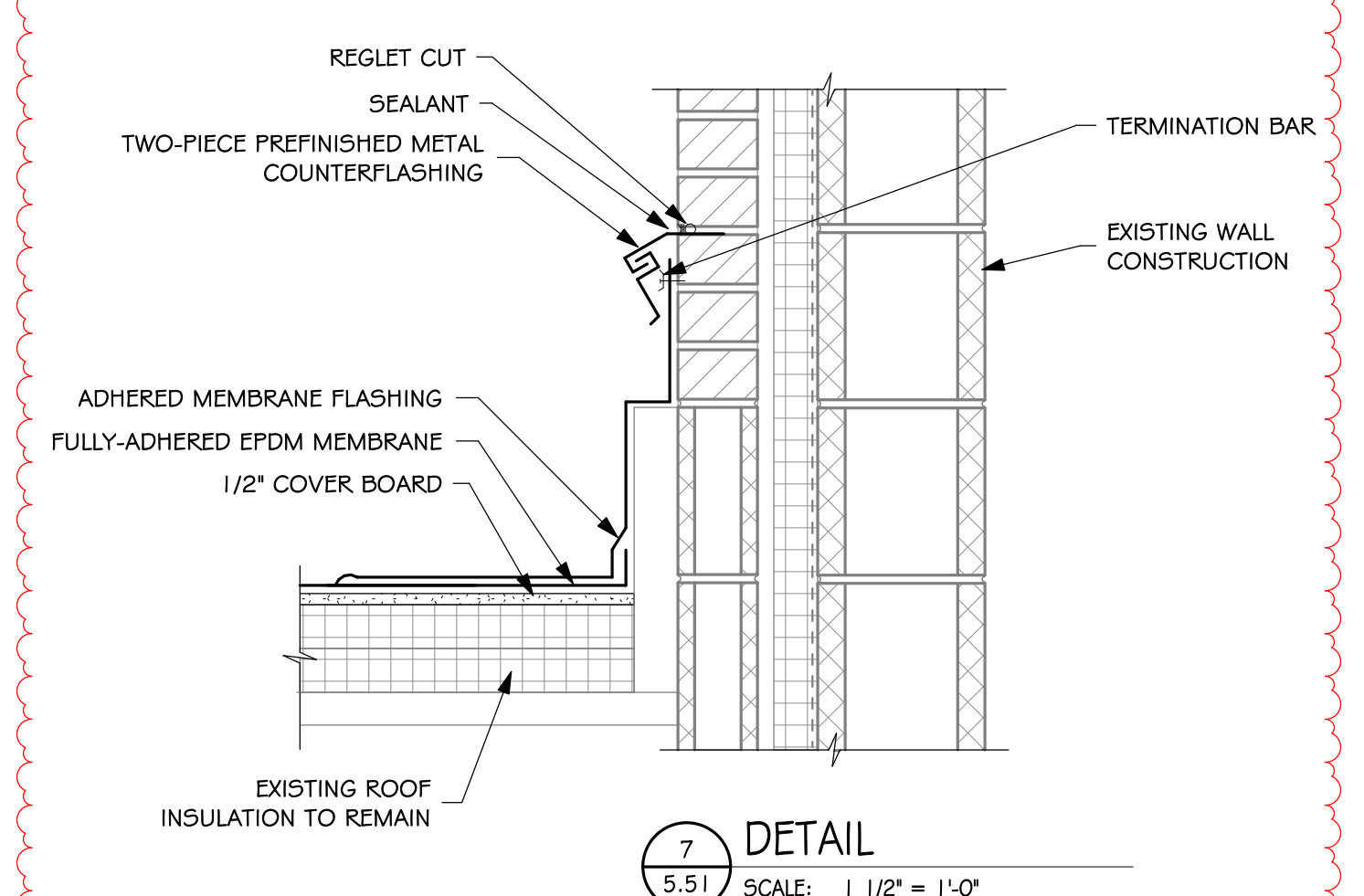
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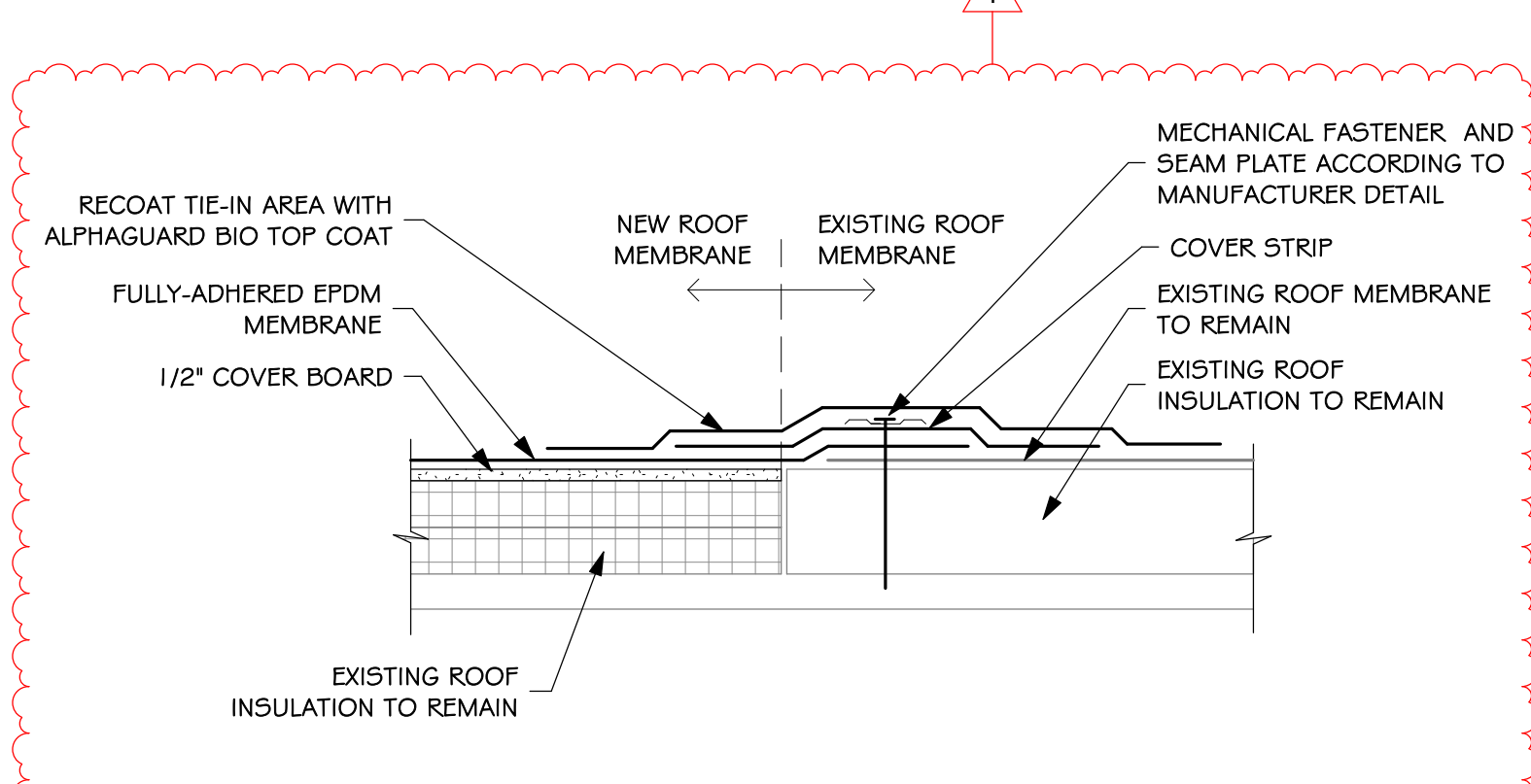
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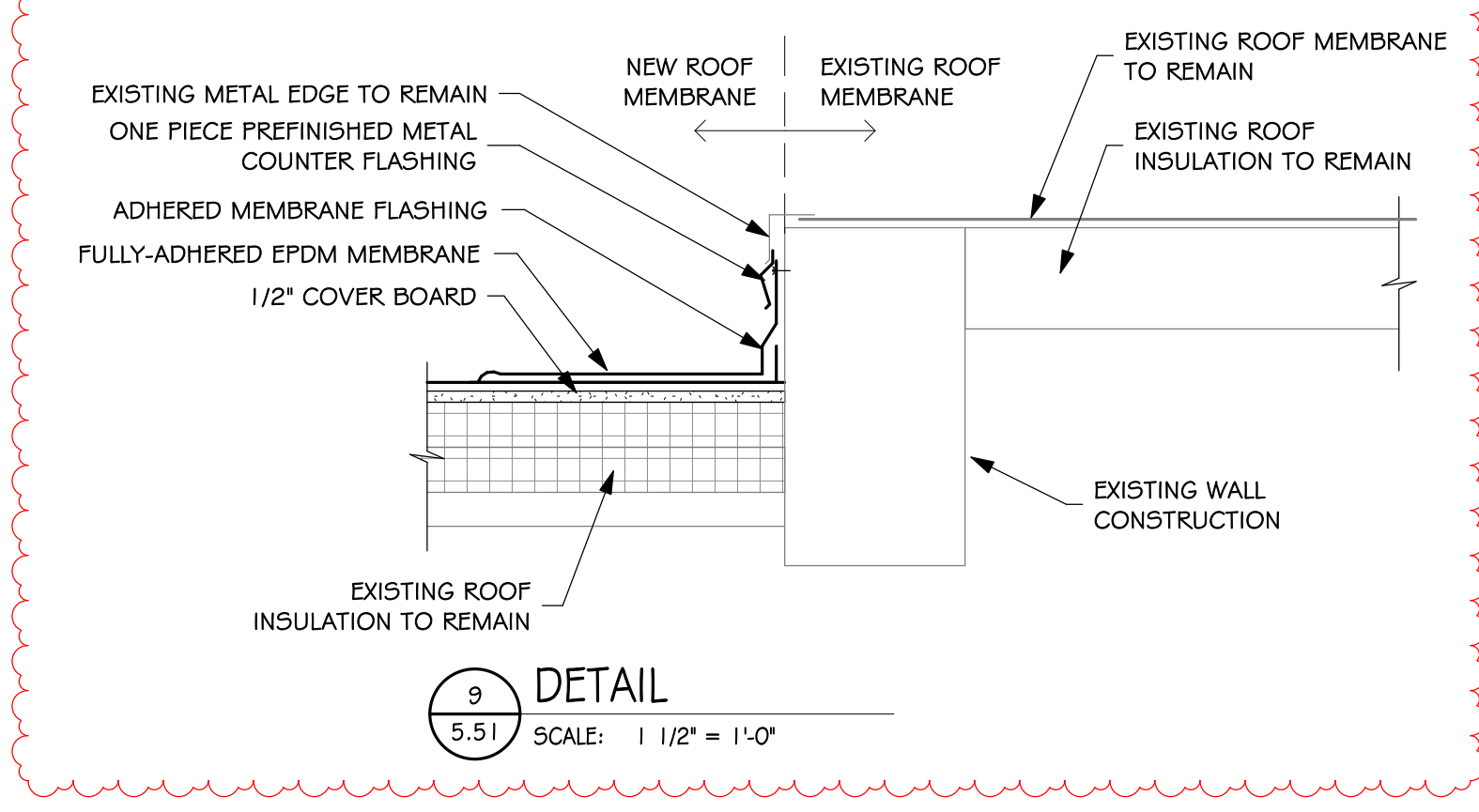
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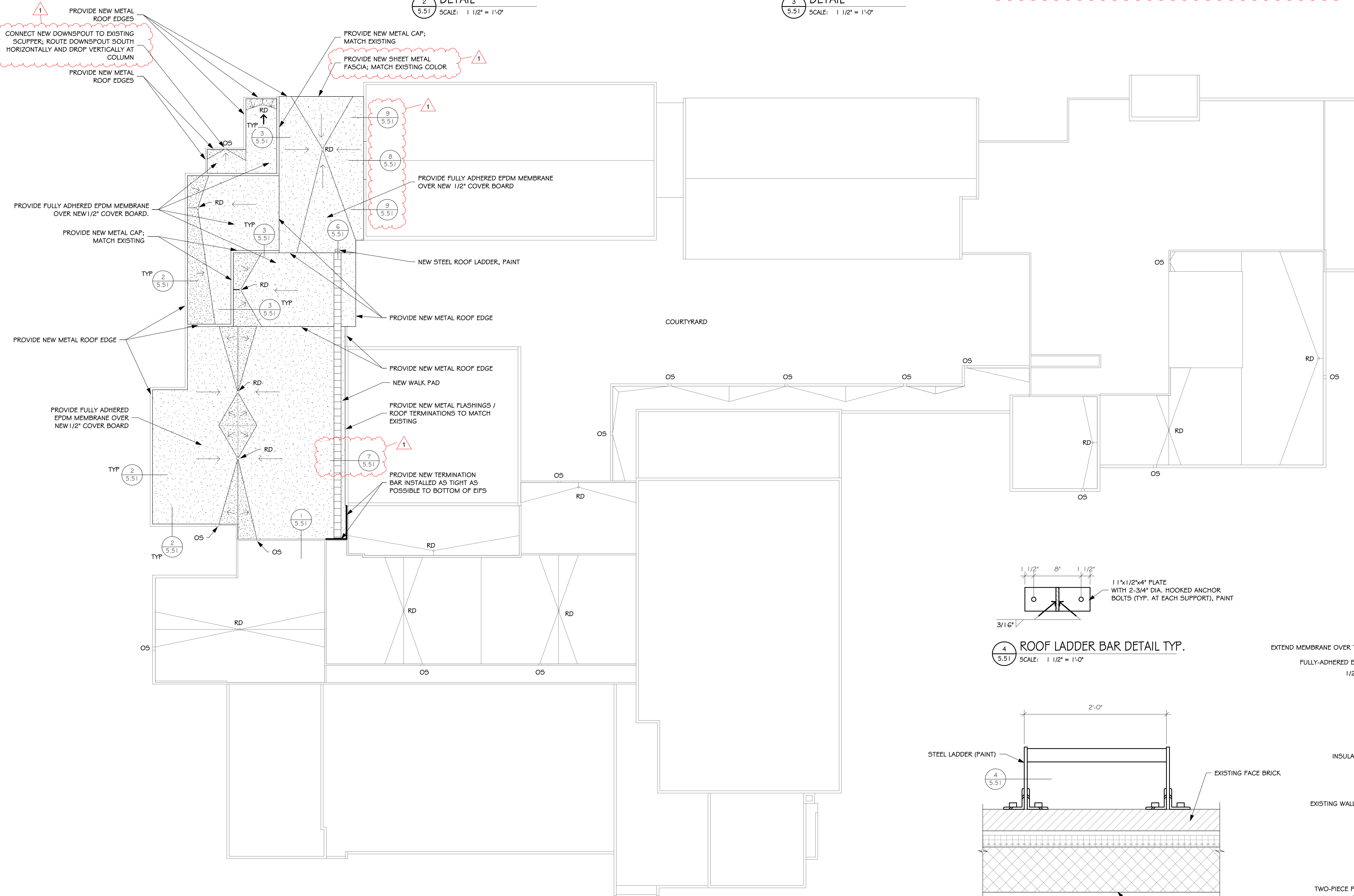
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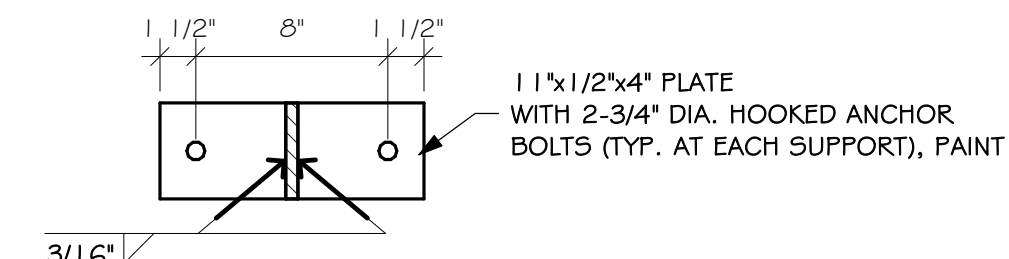
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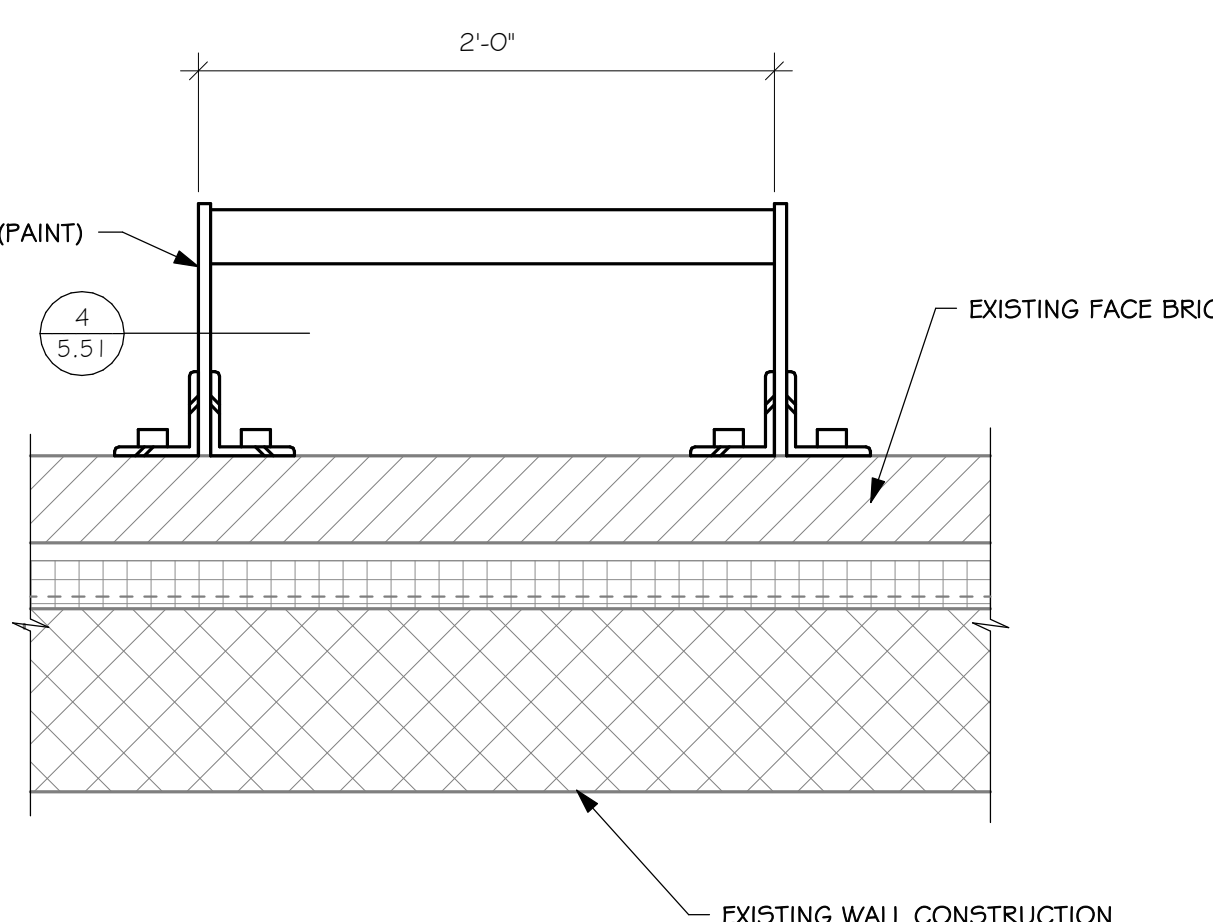
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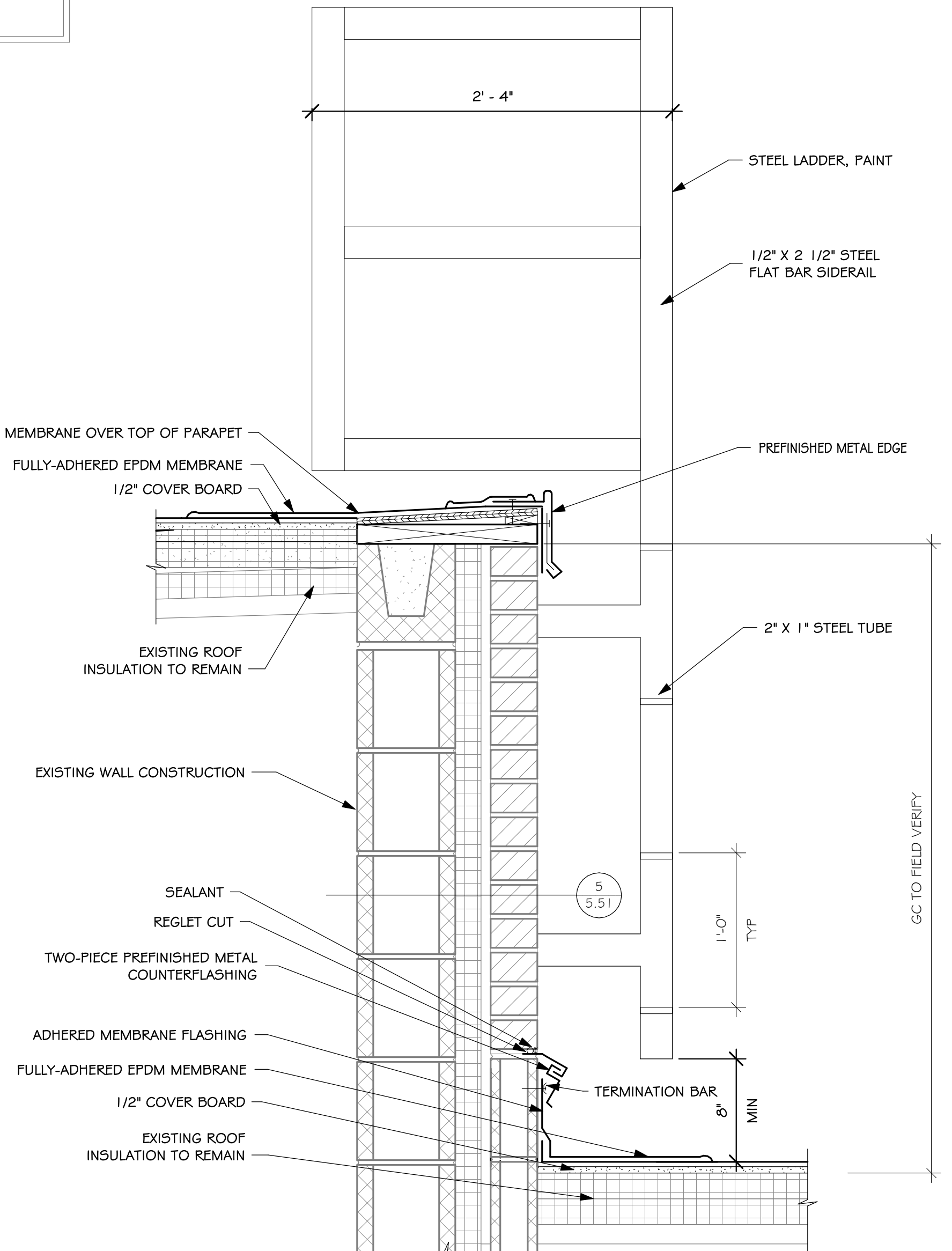
ROOF PLAN - HARRISBURG HERITAGE ELEMENTARY SCHOOL  
SCALE: 1" = 20'-0"



4 ROOF LADDER BAR DETAIL TYP.  
5.51 SCALE: 1 1/2" = 1'-0"



5 ROOF LADDER DETAIL  
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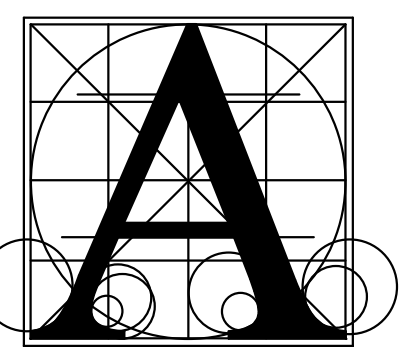


6 ROOF LADDER DETAIL  
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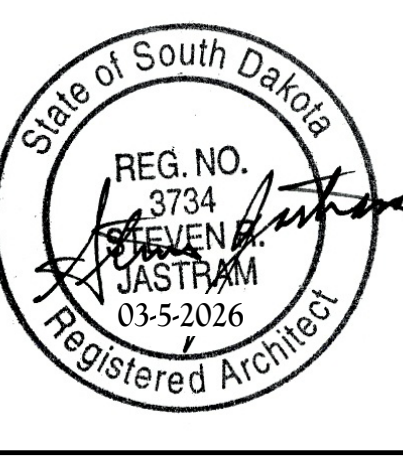
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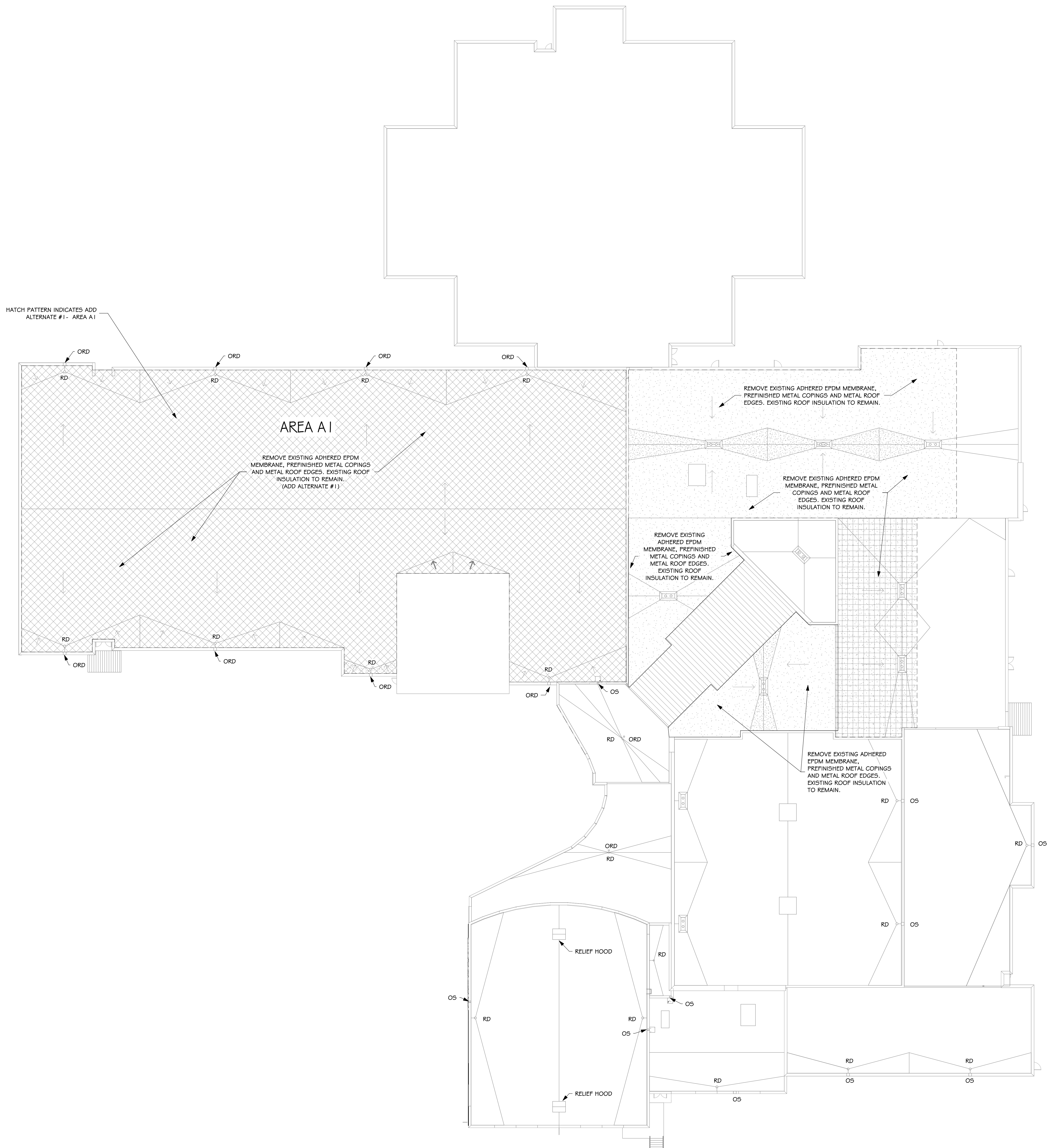
815 St Joseph Street, Suite 203  
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HARRISBURG HERITAGE ELEMENTARY & HARRISBURG SOUTH MIDDLE SCHOOL REROOFING  
ROOF PLAN & DETAILS - HARRISBURG HERITAGE ELEMENTARY SCHOOL

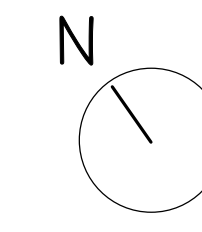
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3-23-2026	ADDENDUM #2

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# DEMOLITION ROOF PLAN - HARRISBURG SOUTH MIDDLE SCHOOL

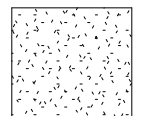
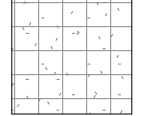
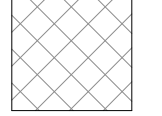
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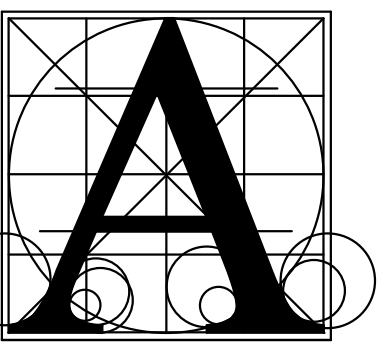


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### EXISTING ROOF INSULATION LEGEND

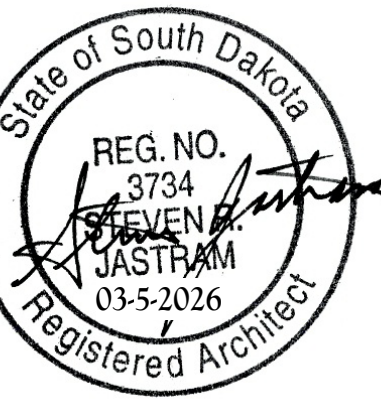
-  **BASE BID**  
- ADHERED EPDM SYSTEM  
- 1/2" CAP BOARD  
- TAPERED RIGID INSULATION (SLOPE 1/4":1 2")  
- 1" BASE RIGID ISO ROOF INSULATION
-  **BASE BID**  
- ADHERED EPDM SYSTEM  
- 1/2" CAP BOARD  
- TAPERED RIGID INSULATION (SLOPE 1/4":1 2")  
- 2" TOP LAYER RIGID ISO ROOF INSULATION  
- 2" BASE RIGID ISO ROOF INSULATION
-  **ADD ALTERNATE - AREA A1**  
- ADHERED EPDM SYSTEM  
- 1/2" CAP BOARD  
- 2" TOP LAYER RIGID ISO ROOF INSULATION  
- 2" BASE LAYER RIGID ISO ROOF INSULATION



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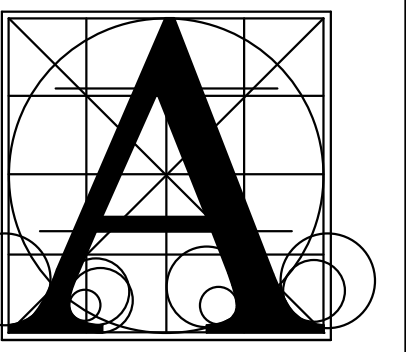
Project: **HARRISBURG HERITAGE ELEMENTARY & HARRISBURG SOUTH MIDDLE SCHOOL REROOFING**

Sheet contents: **DEMOLITION ROOF PLAN - HARRISBURG SOUTH MIDDLE SCHOOL**

number 0210.3162.26  
date MARCH 5, 2026  
revision  
drawn MS checked JEP

DATE	DESCRIPTION

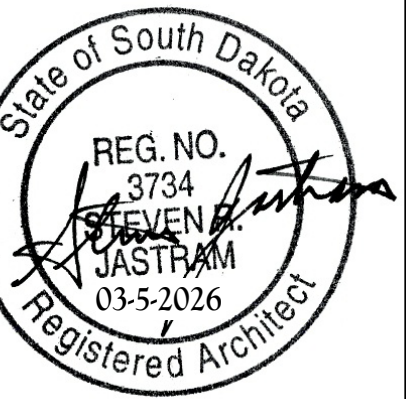
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Architecture  
Incorporated

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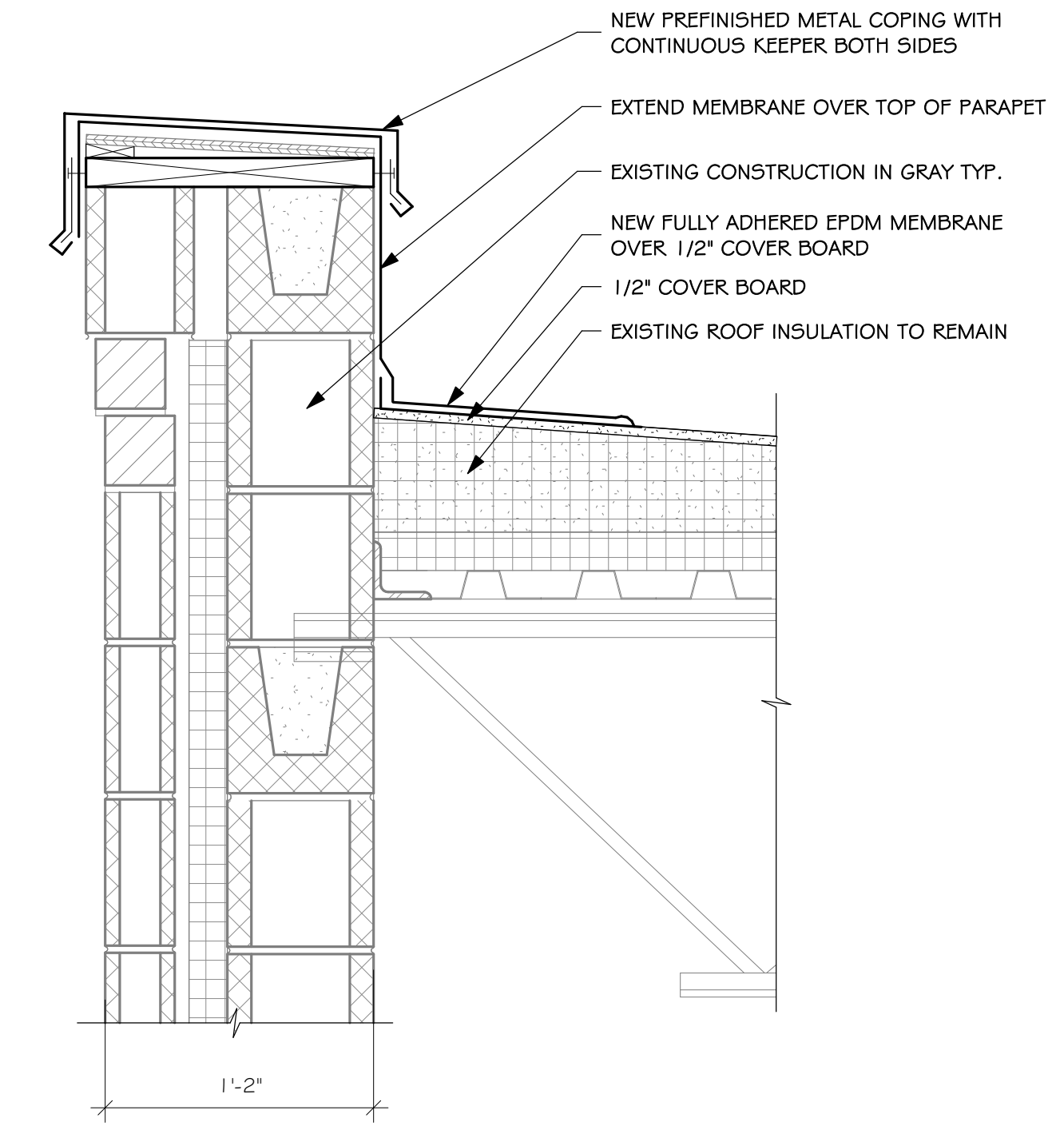
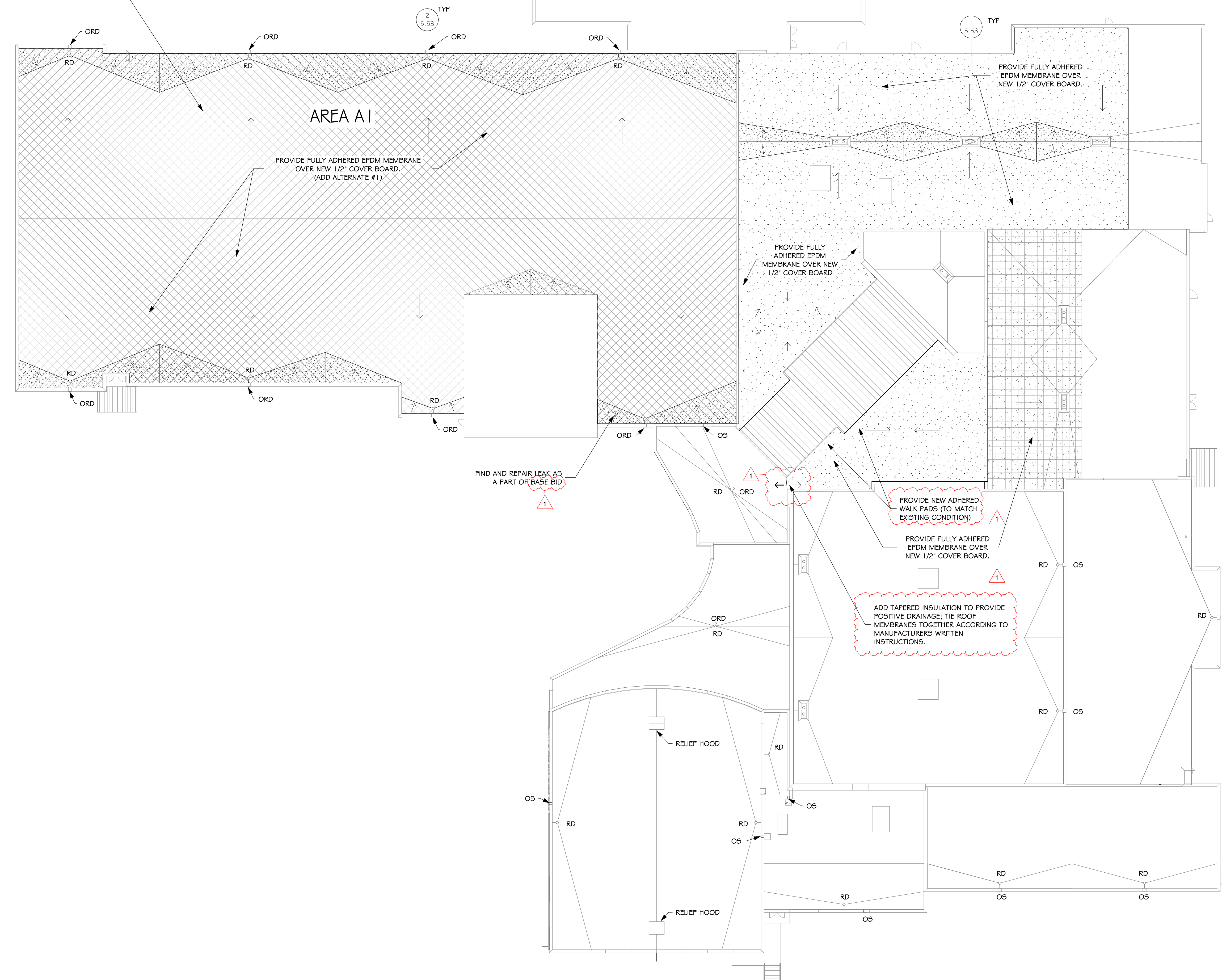
GENERAL NOTES - ROOF PLAN

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- C. DISCONNECT/RE-CONNECT ANY MECHANICAL AND ELECTRICAL ITEMS AS REQUIRED FOR INSTALLATION OF NEW ROOF MEMBRANE.
- D. PROVIDE FULLY ADHERED SINGLE-PLY ROOF MEMBRANE (EPDM) OVER NEW 1/2" COVER BOARD. EXISTING INSULATION TO REMAIN.
- E. FURNISH NEW PREFINISHED METAL COPING AND ROOF EDGE.
- F. PROVIDE ALL FLASHING DETAILS PER MANUFACTURER'S RECOMMENDATIONS AT ROOF DRAINS, ROOF PENETRATIONS AND ALL EQUIPMENT CURBS/ROOF HATCHES.

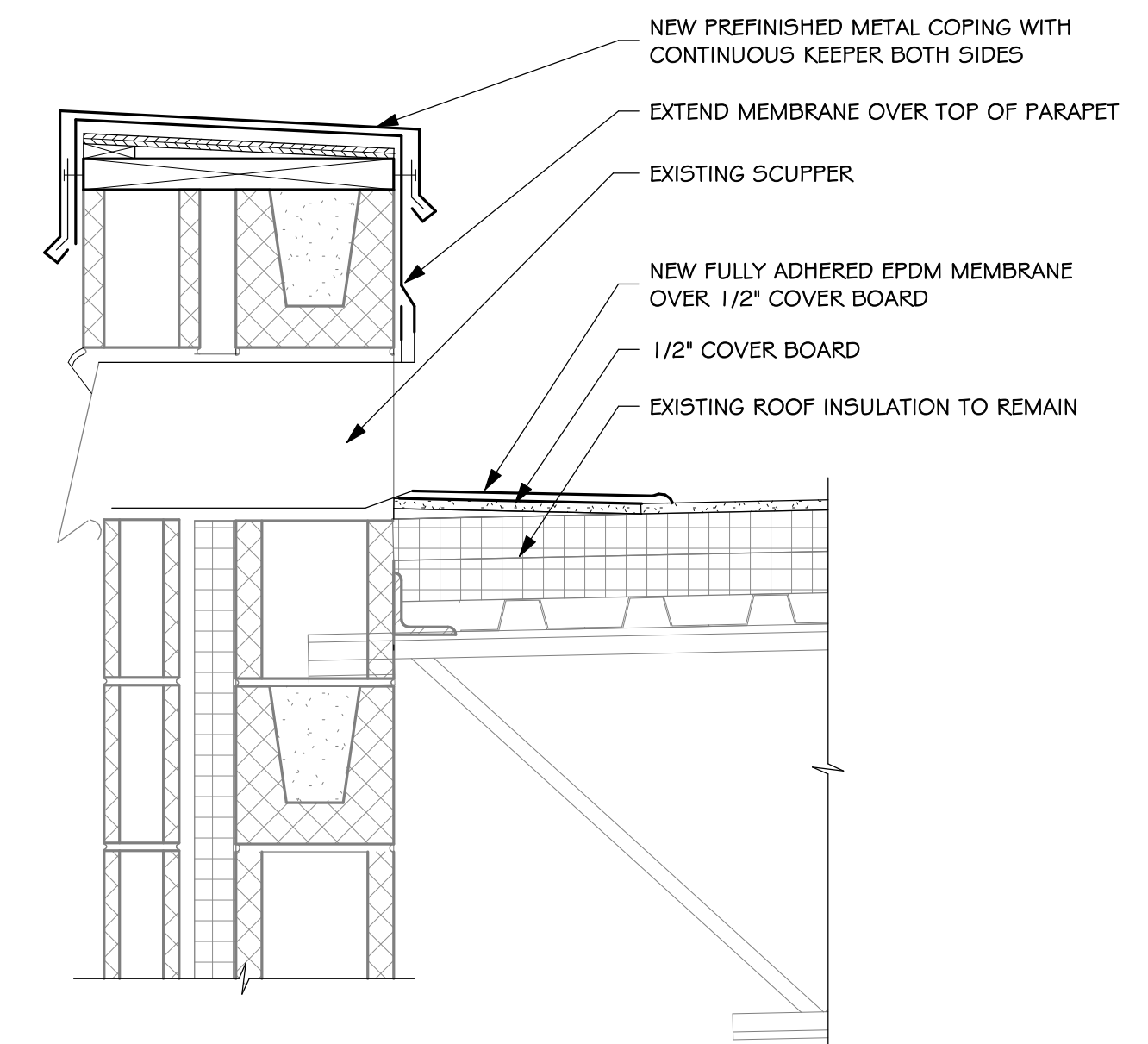
EXISTING ROOF INSULATION LEGEND

- BASE BID  
- ADHERED EPDM SYSTEM  
- 1/2" CAP BOARD  
- TAPERED RIGID INSULATION (SLOPE 1/4":1 2")  
- 1" BASE RIGID ISO ROOF INSULATION
- BASE BID  
- ADHERED EPDM SYSTEM  
- 1/2" CAP BOARD  
- TAPERED RIGID INSULATION (SLOPE 1/4":1 2")  
- 2" TOP LAYER RIGID ISO ROOF INSULATION  
- 2" BASE RIGID ISO ROOF INSULATION
- ADD ALTERNATE - AREA A1  
- ADHERED EPDM SYSTEM  
- 1/2" CAP BOARD  
- 2" TOP LAYER RIGID ISO ROOF INSULATION  
- 2" BASE LAYER RIGID ISO ROOF INSULATION

HATCH PATTERN INDICATES  
ADD ALTERNATE #1 - AREA A1



1 DETAIL  
5.53 SCALE: 1 1/2" = 1'-0"



2 DETAIL  
5.53 SCALE: 1 1/2" = 1'-0"

HARRISBURG HERITAGE ELEMENTARY & HARRISBURG  
SOUTH MIDDLE SCHOOL REROOFING

ROOF PLAN & DETAILS - HARRISBURG SOUTH MIDDLE SCHOOL

Project: HARRISBURG HERITAGE ELEMENTARY & HARRISBURG SOUTH MIDDLE SCHOOL REROOFING  
Number: 0210.3162.26  
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Revision:  
Drawn: MS checked: JEP

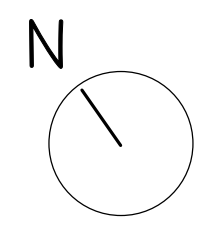
DATE	DESCRIPTION
3-23-2026	ADDENDUM #2

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ROOF PLAN - HARRISBURG SOUTH MIDDLE SCHOOL

SCALE: 1" = 20'-0"



# AlphaGuard™ BIO Top Coat

## High Performance, Two-Component, Bio-Based Polyurethane Top Coat

### FEATURES

Bio Content

Virtually Odorless

High Solids

Low VOC

Versatile

Highly Reflective (White)

### BENEFITS

- Rapidly renewable content makes product sustainable and environmentally responsible
- System is perfect for sensitive accounts such as schools, hospitals, occupied buildings, etc.
- Results in thicker dry film vs. lower solids products
- 1 g/L
- Can be applied on many roofing substrates
- Lowers rooftop temperatures resulting in less stress and potential energy savings

### DESCRIPTION

The AlphaGuard BIO Top Coat is a two-component, bio-based, polyurethane liquid applied product.

### BASIC USES

The AlphaGuard BIO System can be used in a variety of applications including roof restoration of weathered smooth asphalt-based BUR, modified bitumen, and single-ply systems.

### PACKAGING

**Pails:** 3.1 gal (11.7 L) Kits

Part A - 2.2 gals (8.3 L) packaged in a 5 gal (18.9 L) container

Part B - 0.9 gal (3.4 L) packaged in a 1 gal (3.7 L) container

**Drums:** 140 gal (529.9 L) Kits

Part A - 2 drums total - Each containing 50 gals (189.2 L) packaged in a 55 gal (208.1 L) container

Part B - 1 drum total - Containing 41 gals (155.2 L) packaged in a 55 gal (208.1 L) container

### COLOR

White, Beige, Dark Gray, Light Gray, Medium Gray, Safety Yellow, and Sand

### GRADE

Brush, Roller, Spray, Squeegee & Backroll

### POT LIFE

20-25 minutes, 77°F (25°C)/50% RH.

*\*Temperature dependent - Increasing temperature reduces expected pot-life*

### STORAGE

12 months shelf life in unopened containers when properly stored.

#### DO NOT FREEZE PART B

Recommended storage conditions are indoors in a ventilated, dry area removed from heat, open flame, ignition sources, and direct sunlight. Storage temperatures should range from 60-70°F (15-21°C) and must not drop below 32°F (0°C) or exceed 110°F (43°C).

On the job site, materials should remain on the pallet until use and be stored in a shaded, ventilated area. Materials should be covered with a light-colored, reflective tarp for protection against the elements. Allow for adequate air flow inside the pallets.

Shelf life could be affected if the product is not stored properly.

### APPLICATION

AlphaGuard BIO Top Coat - White to be used on all applications. Alternate colors can be utilized in designated striping applications of the non-skid walkway application as listed below.

**Preparation:** AlphaGuard BIO Base Coat or Top Coat surface must be cured, clean, dry, in sound condition, and free of dirt, debris, and contaminants prior to application.

# AlphaGuard™ BIO Top Coat

## APPLICATION CONTINUED

### Mixing:

Product material temperatures must be above 45°F (7°C) when mixing.

**Pails:** Use a heavy duty power drill with Jiffy Mixer attachment. Cordless drills are not recommended and may not properly mix the materials.

Mix Part A for 1 minute before adding Part B. After adding Part B mix the combined materials for a minimum of 2 minutes moving the mix blade from top to bottom. Make sure to mix areas around side walls and bottom of pail. Improper mixing will result in non-curing material.

**Drums:** Use industrial drum mixing equipment to mechanically mix each Part A and Part B container. Mix until product is consistent in appearance and viscosity. Do not thin.

**Do not break down kits into smaller quantities -MIX ENTIRE KIT.**

**Priming:** AlphaGuard BIO Base and Top Coats should be top-coated within 72 hours of application. If cured base or top coat is exposed for longer than 72 hours, an application of Tremco BIO Prime will be required to promote adhesion between coats.

**Installation:** Install product using one of the approved application methods evenly at the recommended coverage rate. Use wet mil gauges to monitor coverage rates throughout application. Never fully invert empty pails in an attempt to drain material as this may result in improperly cured material during application.

**Non-Skid Application:** Install an additional layer of white top coat at 1-1½ gal / 100 sq. ft. (16-24 wet mils) (0.4-0.6 L/m<sup>2</sup>) and immediately broadcast and backroll an approved non-skid media. Color striping can be installed in 3-4" wide areas along the perimeter of the walkway area at a coverage rate of 1-1½ gal / 100 sq. ft. (16-24 wet mils) (0.4-0.6 L/m<sup>2</sup>) to provide identification of the areas on the roof.

### Approved Non-Skid Media:

- Silica Sand (20-40 mesh) - Coverage: 20-30 lbs. / 100 sq. ft.
- No. 11 Roofing Granule - Coverage: 10-15 lbs. / 100 sq. ft.

## COVERAGE RATES

**Top Coat:** 2 gals / SQ (32 wet mils) (0.8 L/m<sup>2</sup>)

**Non-Skid Coat:** 1-1.5 gals / SQ (16-24 wet mils) (0.4-0.6 L/m<sup>2</sup>)

**Tremco Plain and Simple/Extended Warranty:** 3 gals / SQ (48 wet mils) (1.2 L/m<sup>2</sup>)

Coverage rates are listed at minimum recommended rates. The application surface can affect the necessary coverage rate. Color top coats may require higher coverage rates or additional coats to provide adequate hiding and consistent appearance.

## TEMPERATURE RECOMMENDATIONS

**Min Ambient:** 45°F (7.2°C)

**Max Ambient:** 110°F (43.3°C)

- Minimum temperatures must be rising following application
- Do not apply when dew point is within 5°F (2.77°C) of ambient temperatures
- Do not apply when precipitation, fog or dew is imminent prior to cure of the product

## CURE TIMES

**Skin Time:** 3-4 hours @ 77°F (25°C) / 50% RH

**Recoat Time:** 6-7 hours @ 77°F (25°C) / 50% RH

*Note: Cure times can be effected by a number of weather and jobsite conditions including but not limited to exposure to sunlight and wind, humidity, precipitation, and temperature.*

## ACCEPTABLE ROOF SURFACES

## SPRAY EQUIPMENT RECOMMENDATIONS

BUR-Smooth	MB Smooth/Granule	Single Ply
◆	◆	◆

### GENERAL GUIDELINES

**Component:** Two-Component

**Pressure:** 4,500 psi

**Tip Size:** .045 - .055

**Filters:** Remove

**Hose Type:** High Pressure

**WHIP:** ¼" High Pressure

**Product Temp:** Ambient

**SPRAY EQUIPMENT  
RECOMMENDATIONS**  
CONTINUED

**CLEAN UP**

**LIMITATIONS**

**PHYSICAL PROPERTIES**

**CODES & APPROVALS**

# AlphaGuard™ BIO Top Coat

- Must use heavy duty or industrial grade spray tips
- Properly clean and maintain spray equipment before, during and after use
- Equipment should be properly grounded during use

Before the product cures, clean surfaces and equipment with Isopropyl Alcohol. Spray equipment can be flushed/cleaned using MEK or xylene.

- Not recommended for use over the following:

**Roof Decks:** Direct applications to cementitious wood fiber, metal, poured-in-place gypsum, structural lightweight or lightweight insulating concrete, and wood decks (includes plywood, tongue and groove, etc.).

**Products/Systems:** Asphalt-based or coal tar gravel surfaced BUR systems, clay tile, expanded or extruded polystyrene insulation, fluoropolymer finished metal, shingles, silicone-based products, and tar-based products.

- Not for use under continuous immersion

PROPERTY	TEST METHOD	TYPICAL VALUE
Abrasion Resistance	ASTM C501	31 mg
Accelerated Weathering	ASTM G154	Pass
Breaking Strength	ASTM D751	385 lbf/in
Crack Spanning	ASTM C1305	Pass - 2 mm / 0.08 in
Dimensional Stability	ASTM D1204	0%
Dynamic Puncture Resistance	ASTM D5635	50 J
Elongation	ASTM D412	62%
Flexibility	ASTM D522	Pass @ -18°F
Fungi Resistance	ASTM G21	Pass
Indentation Hardness	ASTM D2240	82 Shore A
Low Temperature Flexibility	ASTM D5147	Pass at -30°F
Peak Load	ASTM D5147	414 lbf/in
Permeance	ASTM E96	0.011 perm-inch
Static Puncture Resistance	ASTM D5602	65 lbf
Tear Resistance	ASTM D5147	294 lbf/in
Tensile Strength	ASTM D412	644 psi
Water Absorption	ASTM D570	2 hours - 0.2%, 24 hours - 1.1%
Water Vapor Transmission	ASTM E96	1.2 perms
Volume Solids	ASTM D 2697	100%
Weight Solids	ASTM D 1644	100%
VOC		1 g/L

Data based on AlphaGuard BIO system

Florida Building Code



	Rapid Ratings*		
	Initial	Ratings*	Weathered
Solar Reflectance	<u>0.83</u>	<u>0.82</u>	Pending
Thermal Emittance	<u>0.9</u>	<u>0.9</u>	Pending
Rated Product ID	<u>0612-0025</u>		
Licensed Manufacturer ID	<u>0612</u>		
Classification	Production Line		

**RAPID RATINGS**

\*CRRC Rapid Ratings: These are interim laboratory-aged values that simulate weathered values. These values will be replaced by the measured three-year aged values upon completion of the weathering process. Cool Roof Rating Council ratings are determined for a fixed set of conditions, and may not be appropriate for determining seasonal energy performance. The actual effects of solar reflectance and thermal emittance on building performance may vary. Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.

# AlphaGuard™ BIO Top Coat

## MAINTENANCE

Your local Tremco Roofing sales representative can provide you with effective maintenance procedures which may vary, depending upon specific conditions. Periodic inspections, early repairs and preventative maintenance are all part of a sound roof program.

## PRECAUTIONS

Users must read container labels and Safety Data Sheets for health and safety precautions prior to use.

## TECHNICAL SUPPORT

Your local Tremco Roofing sales representative, working with the Technical Service Staff, can help analyze conditions and needs to develop recommendations for special applications.



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