

VICINITY MAP



CAMPUS AERIAL VIEW

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 705 North Section Avenue, Spring Valley, MN 55975



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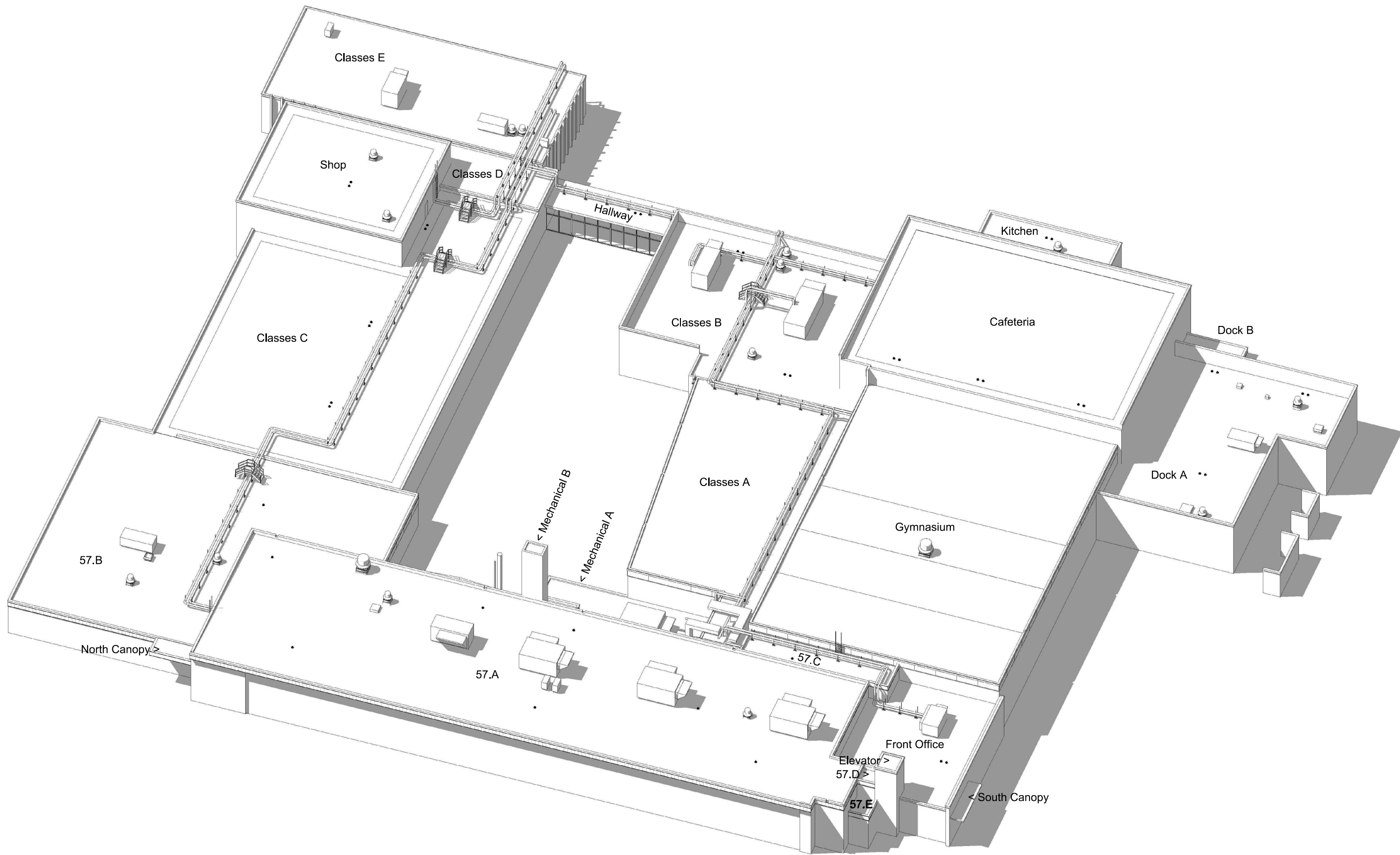
SCALE:

DATE: 12-19-24

**R001**



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OVERALL ROOF VIEW FROM SOUTHWEST

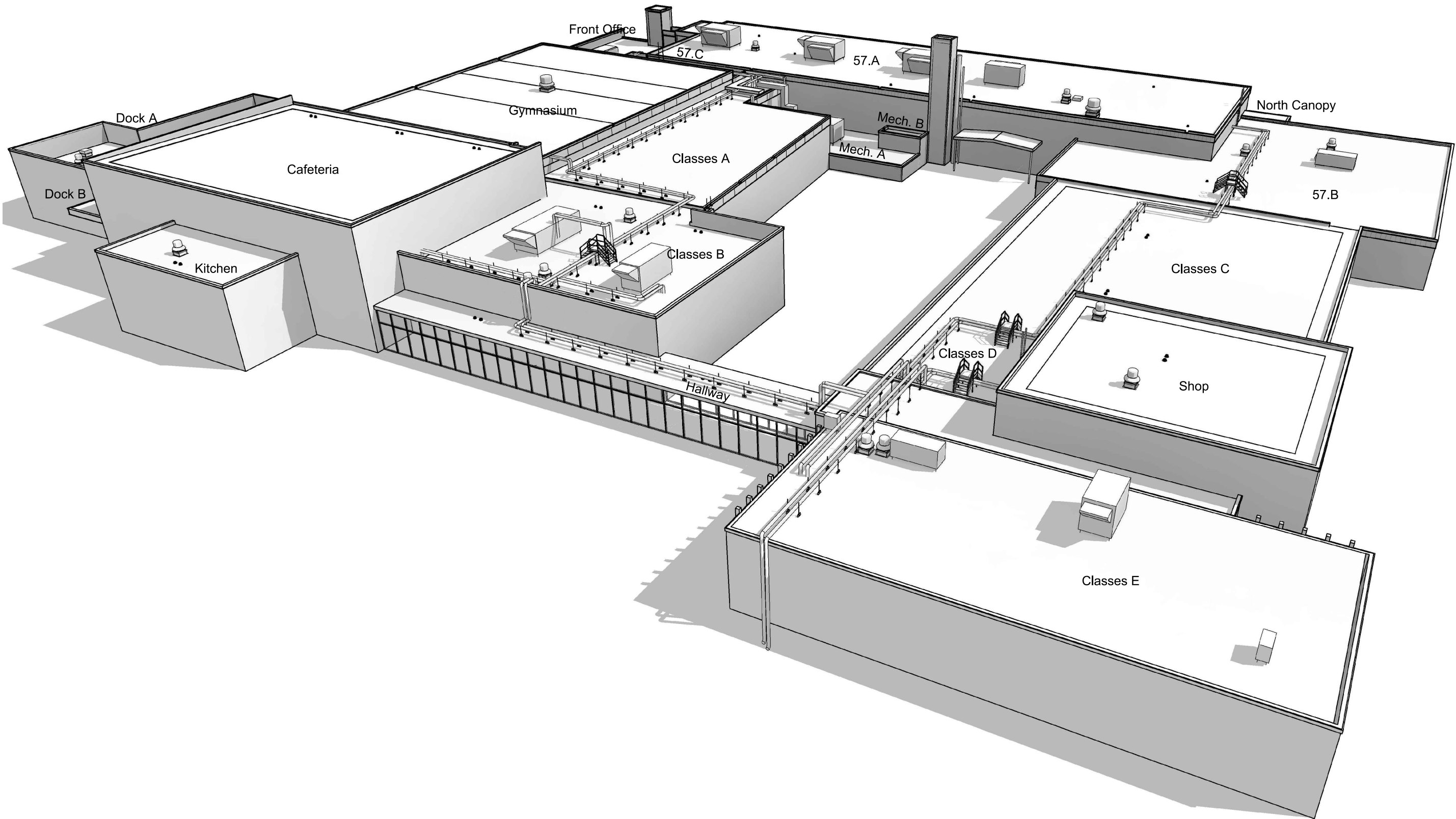
SCALE:

DATE: 12-19-24

**R002**



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OVERALL ROOF VIEW FROM NORTHEAST

SCALE:

DATE: 12-19-24

**R003**

## ROOF SYSTEM NOTES

- NEW ROOF SYSTEM ON AREAS IDENTIFIED ABOVE SHALL BE AS FOLLOWS:  
SECTIONS: 57.A, Mechanical A & B, Classes A, B, D, & E, Hallway, Kitchen, Dock A & B  
A) TWO-PLIES OF HPR GLASFELTS SET IN TYPE III HOT ASPHALT.  
B) ONE-PLY OF APPROVED MODIFIED FIELD MEMBRANE SET IN TYPE III HOT ASPHALT.  
C) ONE-PLY OF MODIFIED FLASHING MEMBRANE WITH BASE FLASHING UNDERLAYMENT.  
D) FLOOD/GRAVEL SURFACING SET IN TYPE III HOT ASPHALT.  
SECTIONS: North Canopy, 57. B, 57.C, 57.D, Elevator, Front Office Classes C, Shop, Cafeteria,  
A) TWO-PLIES OF HPR GLASFELTS SET IN TYPE III HOT ASPHALT.  
B) ONE-PLY OF APPROVED MINERAL SURFACE MODIFIED FIELD MEMBRANE SET IN TYPE III HOT ASPHALT.  
C) ONE-PLY OF MODIFIED FLASHING MEMBRANE WITH BASE FLASHING UNDERLAYMENT.  
D) TWO COATS OF ALUMINIZED COATING ROLLED OVER MINERAL SURFACE CAP SHEET.  
E) CAFETERIA, CLASSES C, & SHOP: FLOOD/GRAVEL SURFACING SET IN TYPE III HOT ASPHALT EXTENDING 4'-0" OFF THE ROOF EDGE.
- All roof drains and primary scuppers shall receive 12' x 12' roof sump.
- All roof penetrations shall have a min. of 8" flashing heights.
- All penetrations and perimeters shall receive new 24 ga. Prefinished sheet metal extended down to the field of the roof.
- All HVAC Disconnect/Reconnect and Unit Raising shall be provided by the "Roof Contractor".
- All Electrical Disconnect/Reconnect shall be provided by the "Roof Contractor".
- All Plumbing Disconnect/Reconnect shall be provided by the "Roof Contractor".
- Contractor shall provide necessary "Over-Flow" Scuppers if one is not currently present.
- Contractor to provide insulation drawings for approval. Crickets and Saddles to be 1/4" Slope.
- At any scupper locations install new collector heads & "W" shaped downspouts, concrete splashblocks with 1.5" extruded polystyrene.
- Replace any missing or plastic drain strainers with new cast iron strainers.





## WALL NOTES

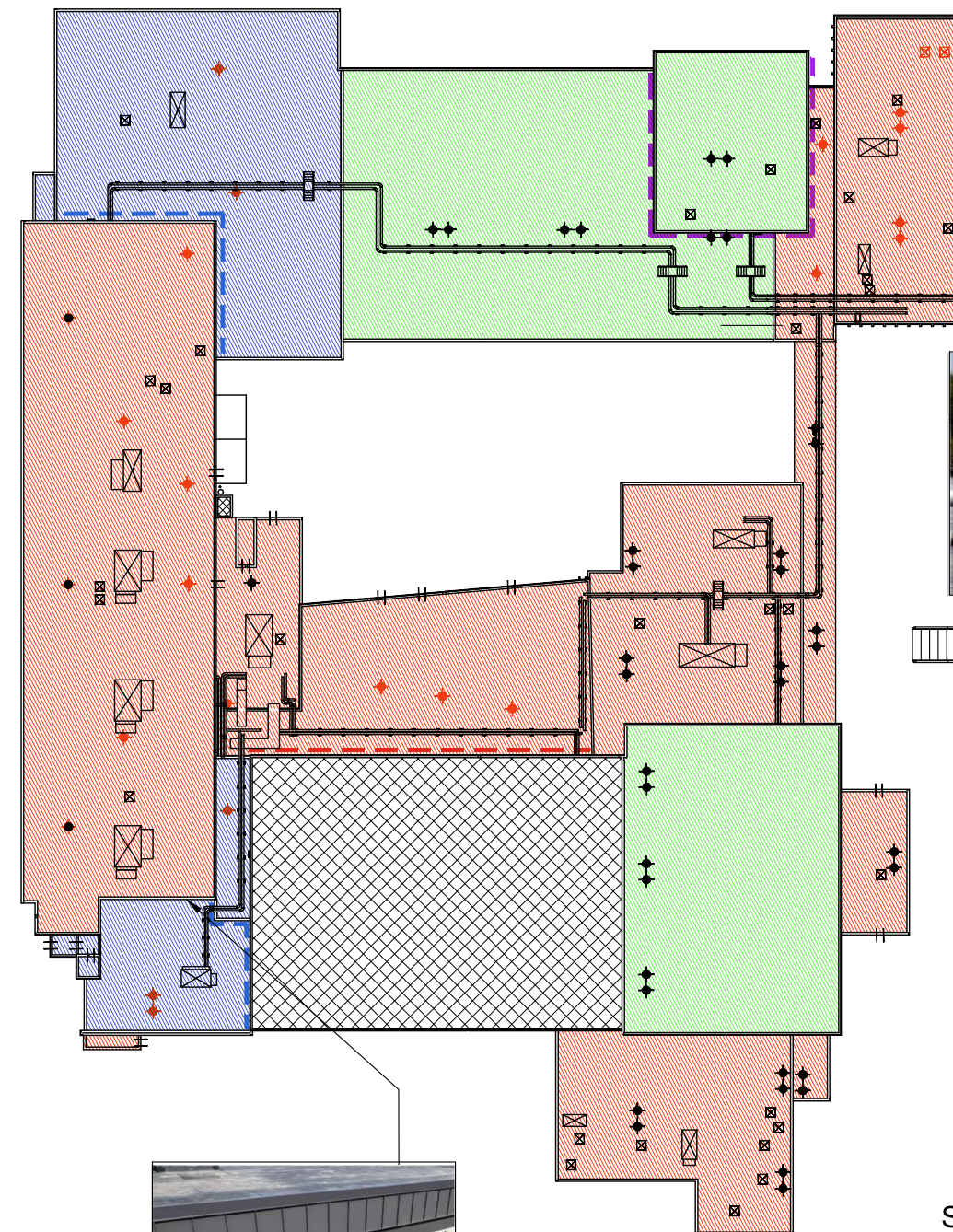
- BASE BID: ADD WALL PANELS  
Roofing Contractor to install new self-adhering ice and water shield, wall panel clips 18" O.C., 22 Ga. 12" wide wall panels.
- ADD ALT. #1: ADD WALL PANELS TO WALL  
Roofing Contractor to install new self-adhering ice and water shield, wall panel clips 18" O.C., 22 Ga. 12" wide wall panels.
- ADD ALT. #2: ADD NEW METAL PANELS  
Roofing Contractor to install new self-adhering ice and water shield, wall panel clips 18" O.C., 22 Ga. 12" wide wall panels.

## ROOF REPLACEMENT SCOPE

- Tear Off & Preparation – All bidding contractors are responsible to field measure and verify existing core data as needed to accurately bid the project.  
Metal Deck: Remove existing roof to existing insulation on all sections.  
Concrete Deck: Remove existing roof to existing deck. Clean and prime concrete deck.  
Tectum Deck: Remove existing roof to existing deck. Attach new nailable base sheet to existing deck per wind uplift calculations.  
Dispose of all debris in a certified landfill. Any wet insulation shall be replaced per the unit price found on the bid form. Proper change notice form must be submitted and signed for approval.
- New Base Insulation - Calculate the R-value of the existing insulation (if applicable). Install rigid insulation in order to meet or exceed current R-value code requirements (existing & new combined where required). Install new rigid insulation in order to meet or exceed current R-value code requirements where existing insulation is removed. Contractor to submit shop drawings for approval.
- Install tapered saddles, crickets, 12'X12' drain sumps, and overflow scuppers at all primary roof drain locations. Crickets and saddles shall slope twice that of the field of the roof.
- Install 1/2" wood fiber recovery board set into solid moppings of Type III hot asphalt. Stagger all insulation joints from underlying layers.
- Install the new modified bitumen roof system as specified.
- Install new 24ga. prefinished sheet metal throughout the perimeter and projections as shown in the detailed drawings and as specified. Maximum allowable face is 8". All sheet metal must extend down to the field of the roof. NO EXPOSED FLASHINGS ALLOWED – OWNER TO APPROVE COLOR
- DIMENSIONS AND CORE DATA TO BE VERIFIED BY CONTRACTOR
- NAILABLE BASE SHEET IS TO BE ATTACHED USING OMG OlyLock FASTENERS PER WIND UPLIFT CALCULATIONS.
- ADD MODIFIED MINERAL SURFACE SLIP SHEET BENEATH ALL SUPPORTS SET ON NEW ROOFS.
- ROOFING CONTRACTOR TO SUPPLY AND INSTALL NEW WOOD TO RAISE FLASHINGS TO MANUFACTURE'S 8" MINIMUM FLASHING HEIGHT.

## ROOF SURFACING LEGEND

-  FLOOD / GRAVEL
-  ALUMINIZED COATING OVER MINERAL
-  ALUMINIZED COATING OVER MINERAL 4' FLOOD AND GRAVEL BORDER OFF PERIMETER
-  NIC






Roofing Contractor to build (2) new sleepers for stair units. Positively attach stair units to new sleepers.











Roofing Contractor to cut bottom of existing wall panels in order to meet 8" minimum flashing height.

## ROOF PLAN OVERALL

0 10 20 40 60 720=60' 120 FT.

- Replace Drain: 
- Add New Drain: 
- Raise Curb: 

## SYMBOL LEGEND

-  N.I.C.
-  Details
-  Roof drain
-  Roof Curb
-  Plumbing stack
-  Scupper
-  Skylight
-  Courtyard
-  Stair Unit



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SCALE: 1"=60'-0"





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**R201**





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




**ROOF SURFACING LEGEND**

-  FLOOD / GRAVEL
-  ALUMINIZED COATING OVER MINERAL
-  ALUMINIZED COATING OVER MINERAL 4' FLOOD AND GRAVEL BORDER
-  NIC

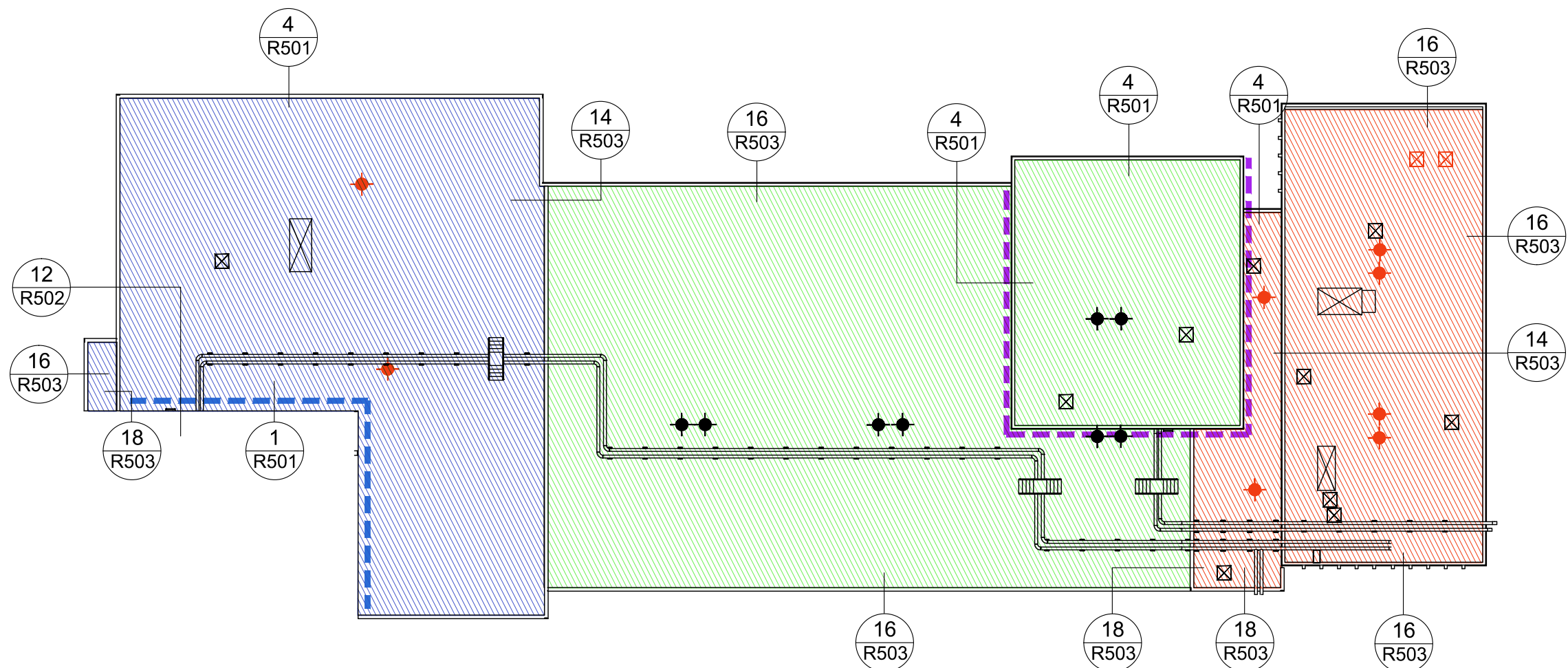
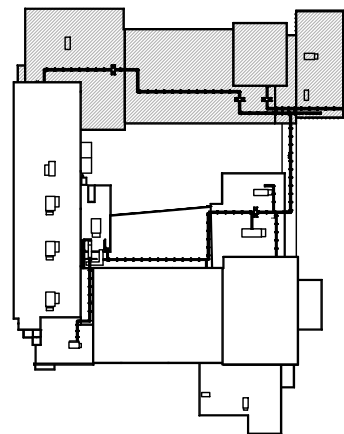
**WALL NOTES**

-  BASE BID: ADD WALL PANELS TO WALL  
Roofing Contractor to install new self-adhering ice and water shield, wall panel clips 18" O.C., 22 Ga. 12" wide wall panels.
-  ADD ALT. #2: ADD NEW METAL PANELS  
Roofing Contractor to install new self-adhering ice and water shield, wall panel clips 18" O.C., 22 Ga. 12" wide wall panels.

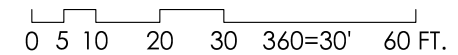
**SYMBOL LEGEND**

-  Details
-  Roof drain
-  Roof Curb
-  Plumbing stack
-  Scupper
-  Skylight
-  Courtyard
-  Stair Unit
-  Replace Drain:
-  Add New Drain:
-  Raise Curb:

**KEY PLAN**



**PARTIAL ROOF PLAN NORTH**



SCALE: 1" = 30'-0"





DATE: 12-19-24

**R202**





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






**ROOF SURFACING LEGEND**

-  FLOOD / GRAVEL
-  ALUMINIZED COATING OVER MINERAL
-  ALUMINIZED COATING OVER MINERAL 4' FLOOD AND GRAVEL BORDER
-  NIC

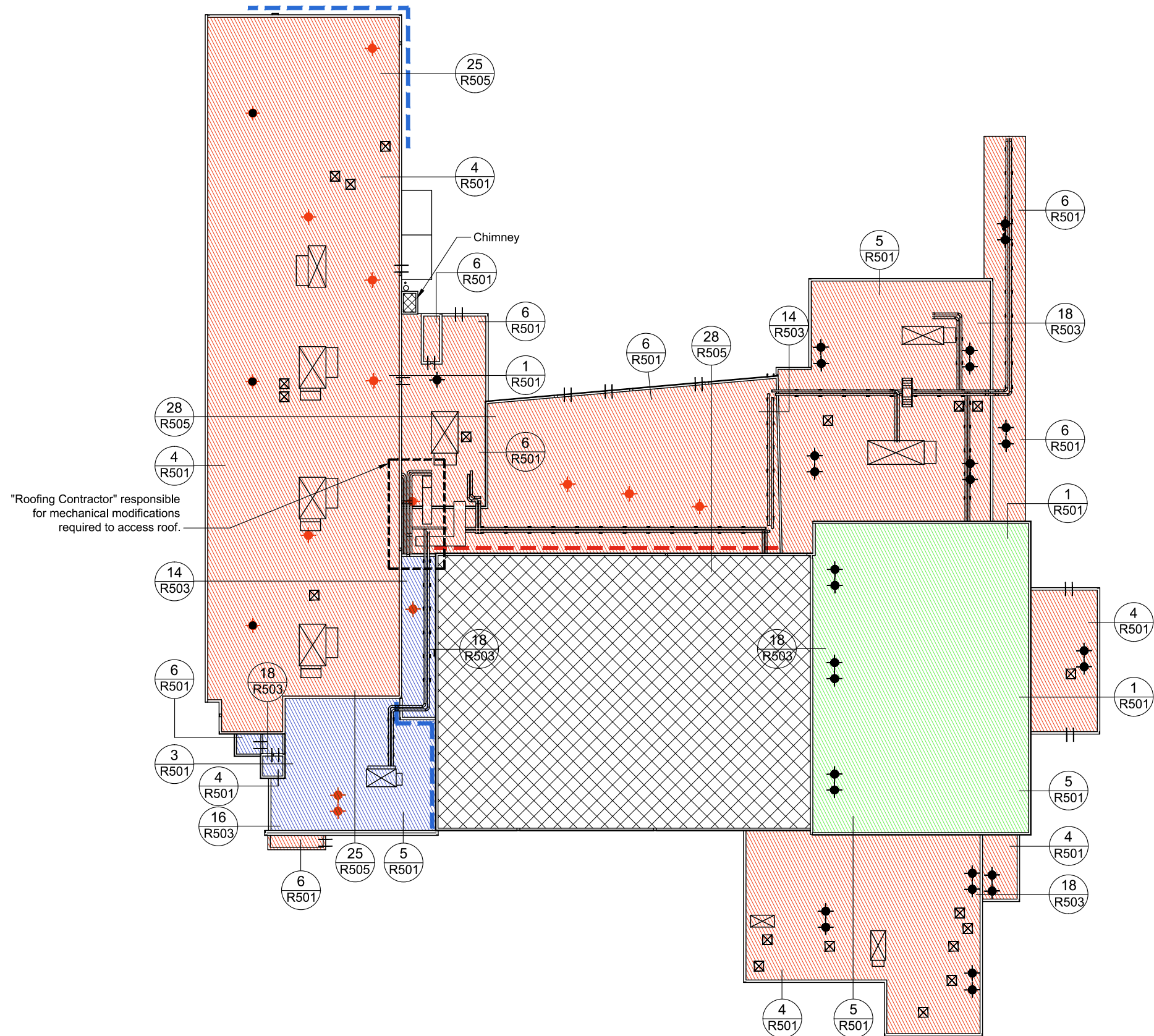
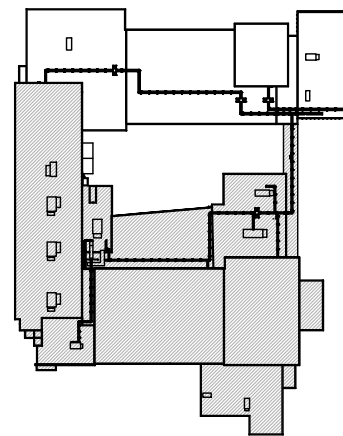
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-  ADD ALT. #1: ADD WALL PANELS TO WALL  
Roofing Contractor to install new self-adhering ice and water shield, wall panel clips 18" O.C., 22 Ga. 12" wide wall panels.

**SYMBOL LEGEND**

-  Details
-  Roof drain
-  Roof Curb
-  Plumbing stack
-  Scupper
-  Skylight
-  Courtyard
-  Stair Unit
-  Replace Drain:
-  Add New Drain:
-  Raise Curb:

**KEY PLAN**



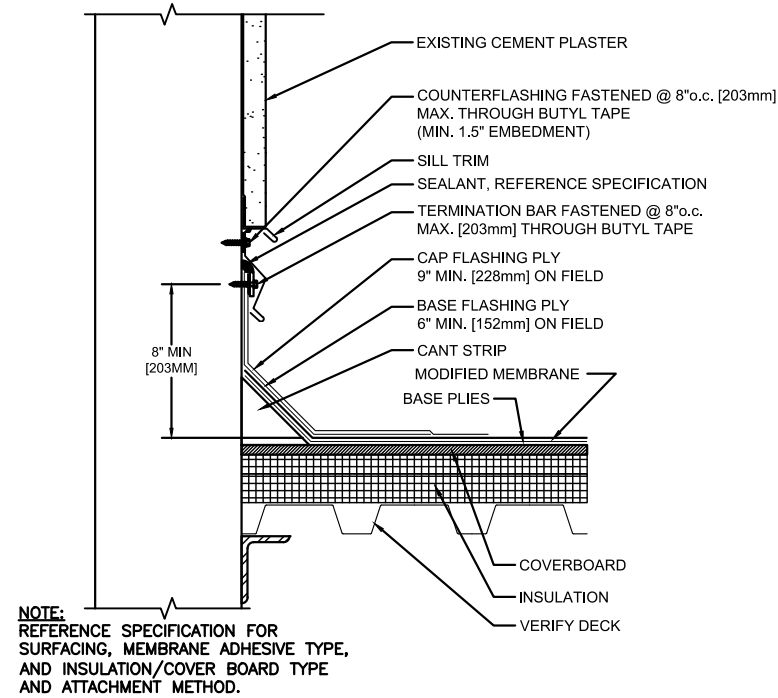
**PARTIAL ROOF PLAN SOUTH**



SCALE: 1" = 40'-0"

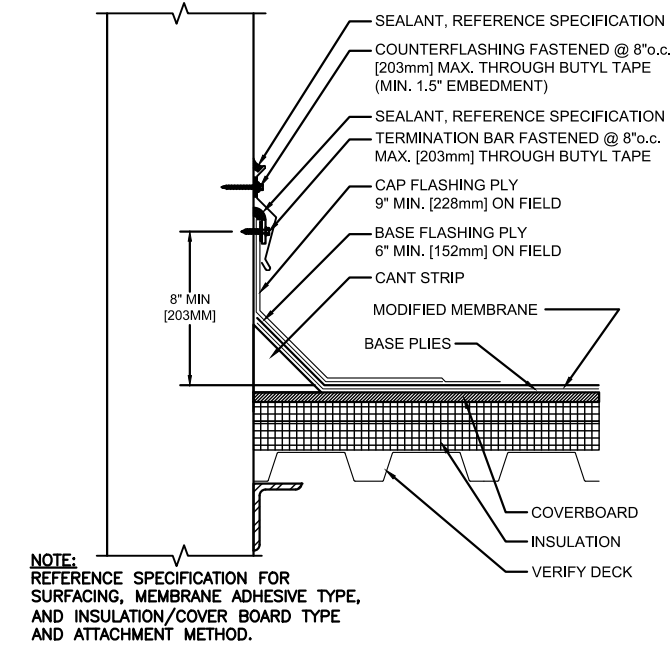
DATE: 12-19-24

**R203**



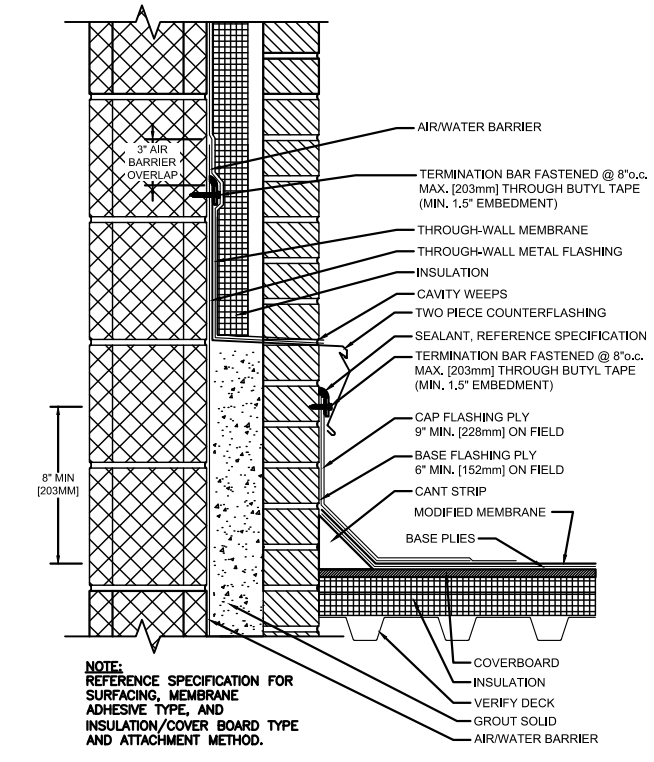
**NOTE:**  
REFERENCE SPECIFICATION FOR  
SURFACING, MEMBRANE ADHESIVE TYPE,  
AND INSULATION/COVER BOARD TYPE  
AND ATTACHMENT METHOD.

**1** WALL FLASHING AT  
EXISTING CEMENT PLASTER WALL  
SCALE: NTS



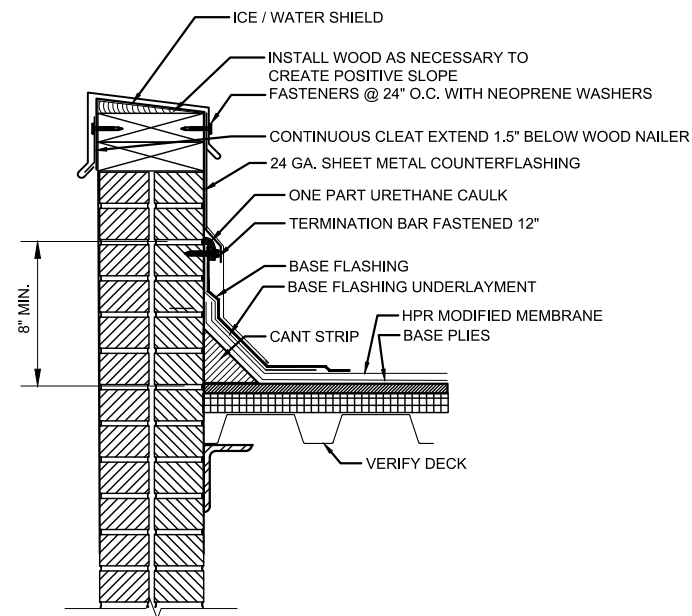
**NOTE:**  
REFERENCE SPECIFICATION FOR  
SURFACING, MEMBRANE ADHESIVE TYPE,  
AND INSULATION/COVER BOARD TYPE  
AND ATTACHMENT METHOD.

**2** WALL FLASHING -  
SURFACE MOUNTED COUNTERFLASHING  
SCALE: NTS

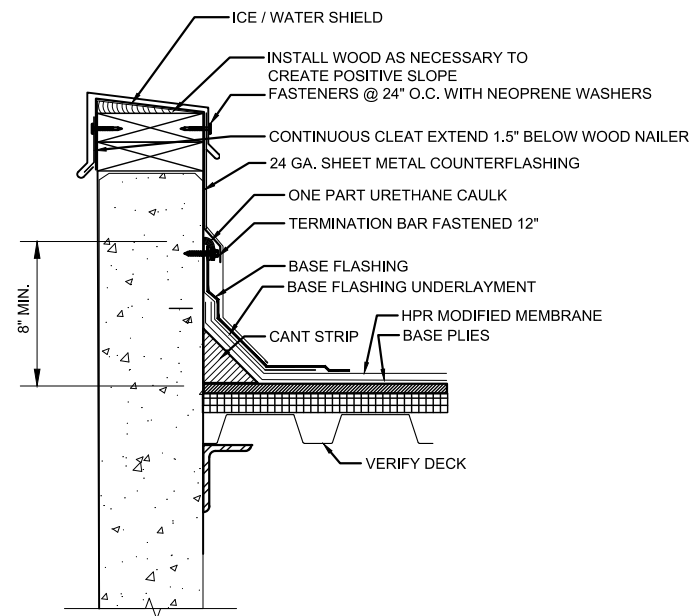


**NOTE:**  
REFERENCE SPECIFICATION FOR  
SURFACING, MEMBRANE  
ADHESIVE TYPE, AND  
INSULATION/COVER BOARD TYPE  
AND ATTACHMENT METHOD.

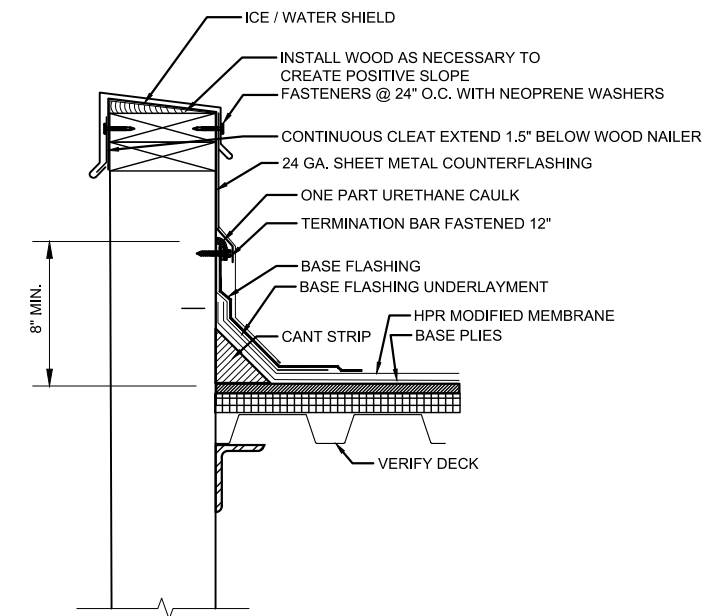
**3** WALL FLASHING  
WITH THROUGH-WALL FLASHING  
SCALE: NTS



**4** MASONRY PARAPET DETAIL  
SCALE: 1 1/2" = 1'-0"



**5** CONCRETE PARAPET DETAIL  
SCALE: 1 1/2" = 1'-0"

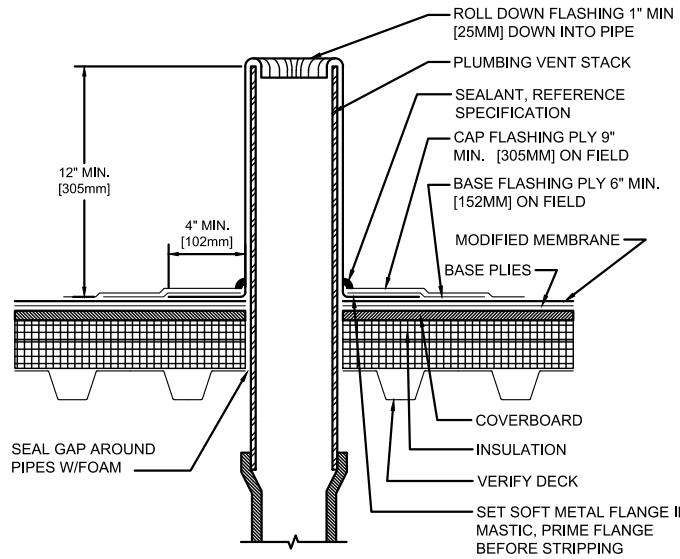


**6** EXISTING WALL PARAPET DETAIL  
SCALE: 1 1/2" = 1'-0"

SCALE:

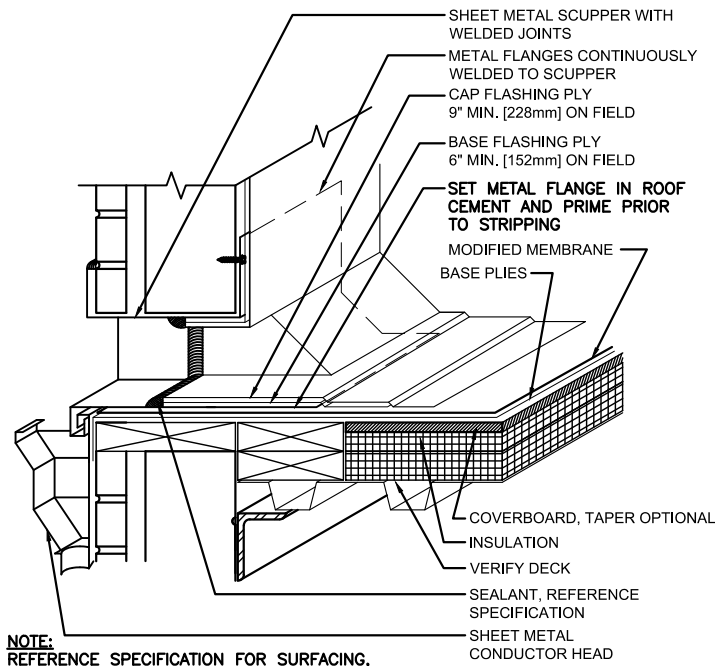
DATE: 12-19-24

**R501**



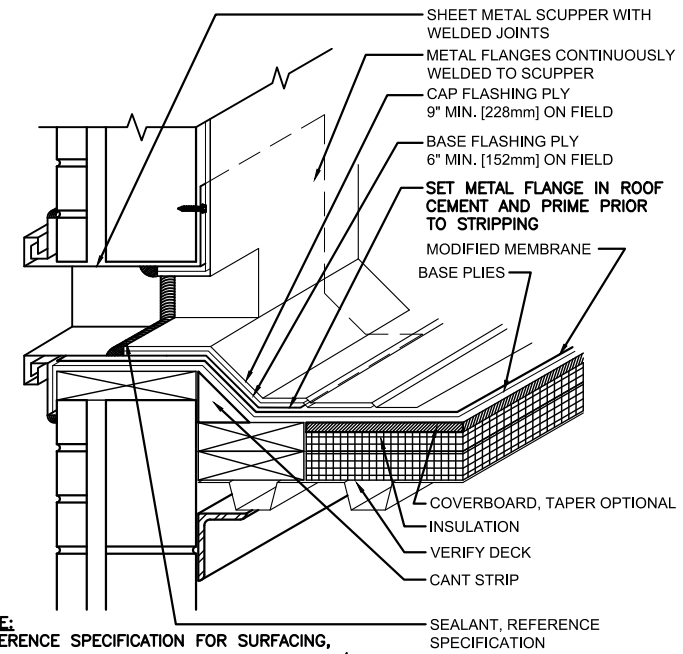
**NOTE:**  
REFERENCE SPECIFICATION FOR SURFACING, MEMBRANE ADHESIVE TYPE, AND INSULATION/COVER BOARD TYPE AND ATTACHMENT METHOD.

**7 PLUMBING STACK**  
SCALE: 1/2" = 1'-0"



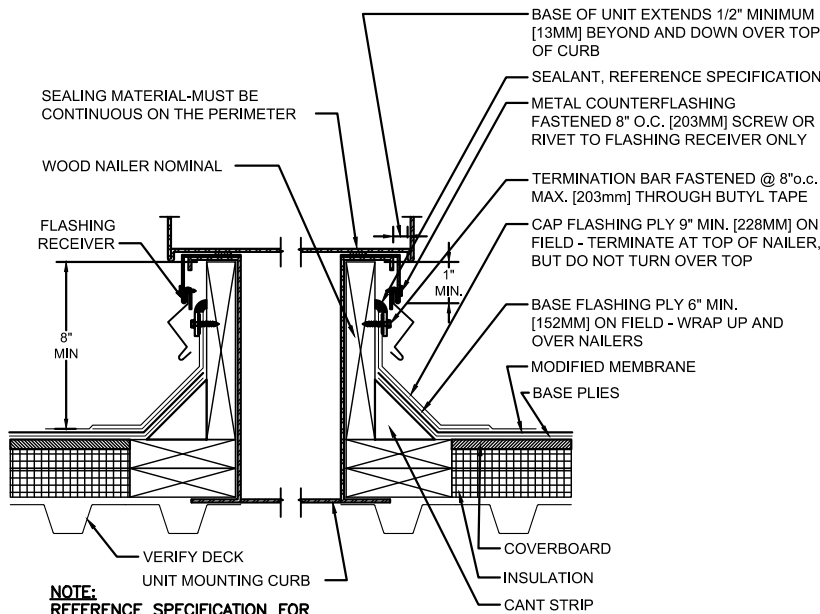
**NOTE:**  
REFERENCE SPECIFICATION FOR SURFACING, MEMBRANE ADHESIVE TYPE, AND INSULATION/COVER BOARD TYPE AND ATTACHMENT METHOD.

**8 SCUPPER THROUGHWALL**  
SCALE: NTS = 1'-0"



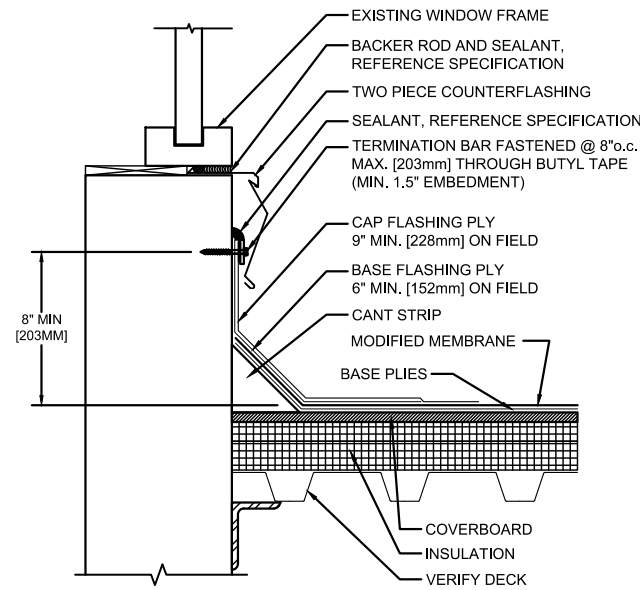
**NOTE:**  
REFERENCE SPECIFICATION FOR SURFACING, MEMBRANE ADHESIVE TYPE, AND INSULATION/COVER BOARD TYPE AND ATTACHMENT METHOD.

**9 SCUPPER THROUGHWALL - OVERFLOW**  
SCALE: NTS



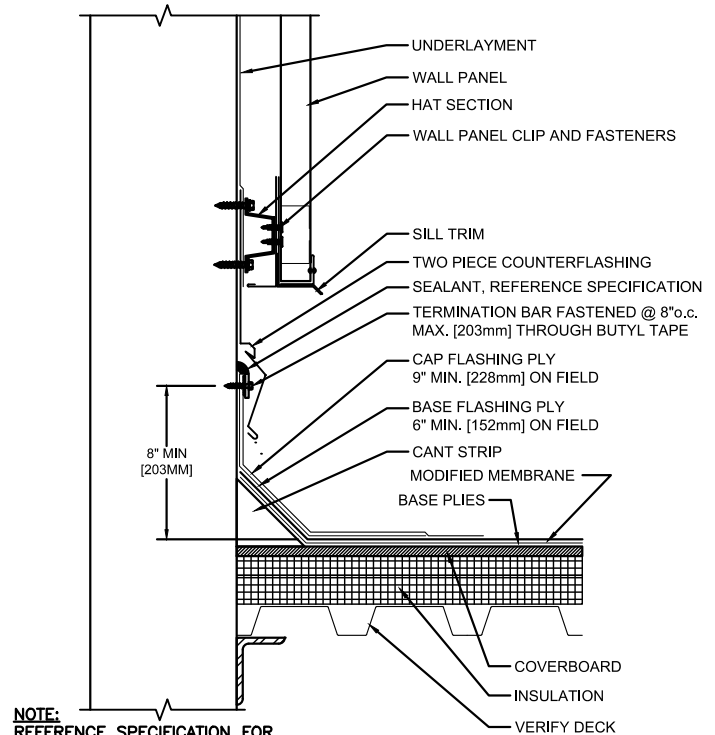
**NOTE:**  
REFERENCE SPECIFICATION FOR SURFACING, MEMBRANE ADHESIVE TYPE, AND INSULATION/COVER BOARD TYPE AND ATTACHMENT METHOD.

**10 CURB DETAIL / AIR HANDLING STATION**  
SCALE: 1/2" = 1'-0"



**NOTE:**  
REFERENCE SPECIFICATION FOR SURFACING, MEMBRANE ADHESIVE TYPE, AND INSULATION/COVER BOARD TYPE AND ATTACHMENT METHOD.

**11 WINDOW SILL FLASHING**  
SCALE: NTS



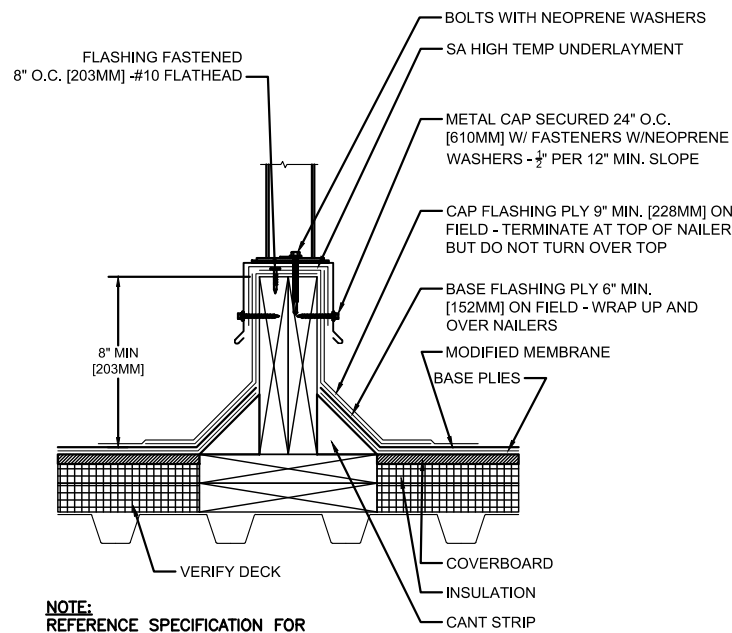
**NOTE:**  
REFERENCE SPECIFICATION FOR SURFACING, MEMBRANE ADHESIVE TYPE, AND INSULATION/COVER BOARD TYPE AND ATTACHMENT METHOD.

**12 WALL FLASHING AT WALL PANEL**  
SCALE: NTS

SCALE:

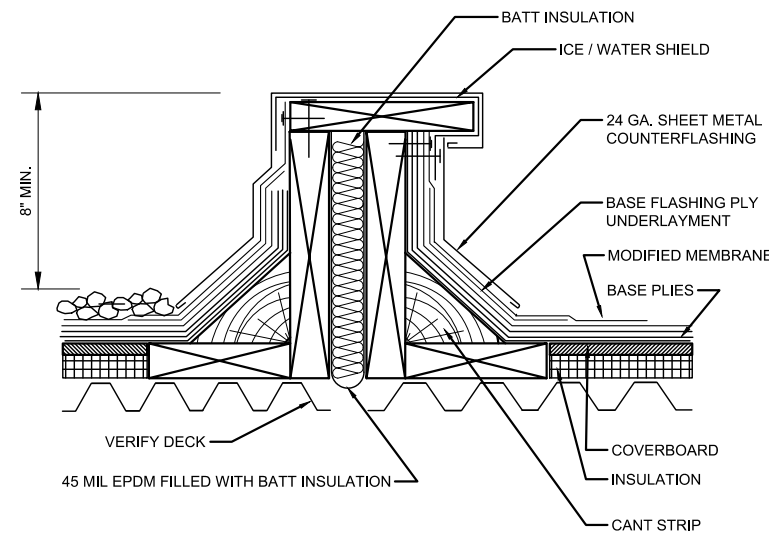
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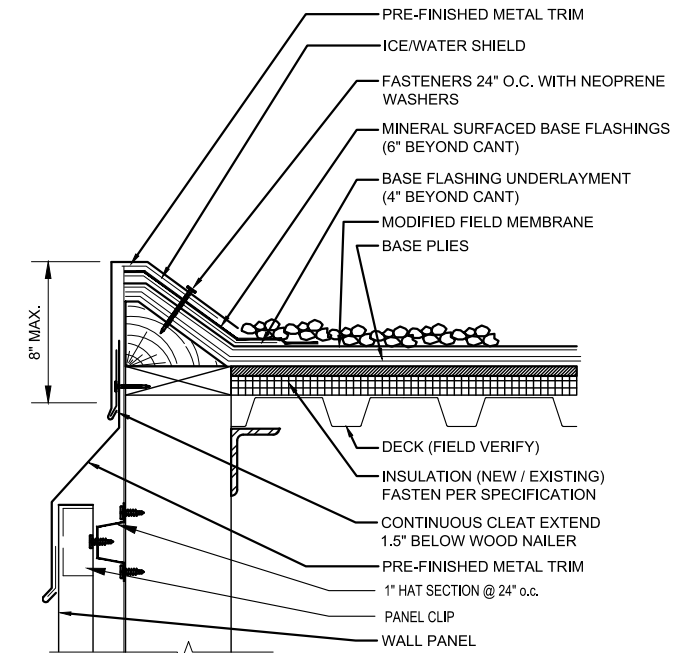


**NOTE:**  
REFERENCE SPECIFICATION FOR SURFACING, MEMBRANE ADHESIVE TYPE, AND INSULATION/COVER BOARD TYPE AND ATTACHMENT METHOD.

**13** AREA DIVIDER/EQUIPMENT SUPPORT  
SCALE: 1/2" = 1'-0"

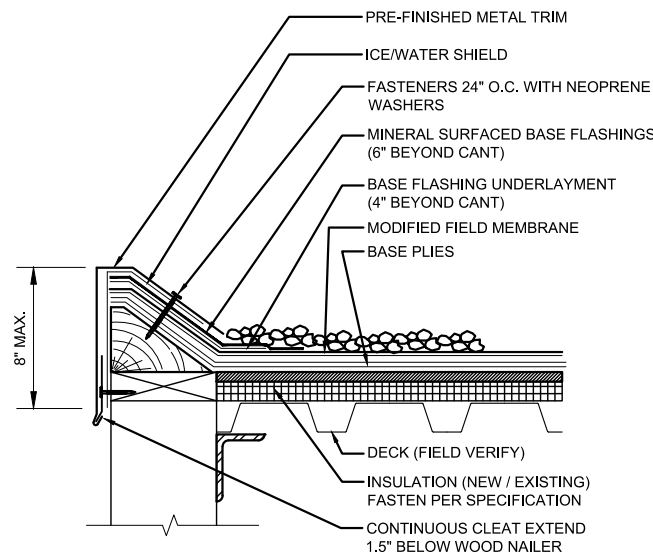


**14** EXPANSION JOINT  
SCALE: 1/2" = 1'-0"



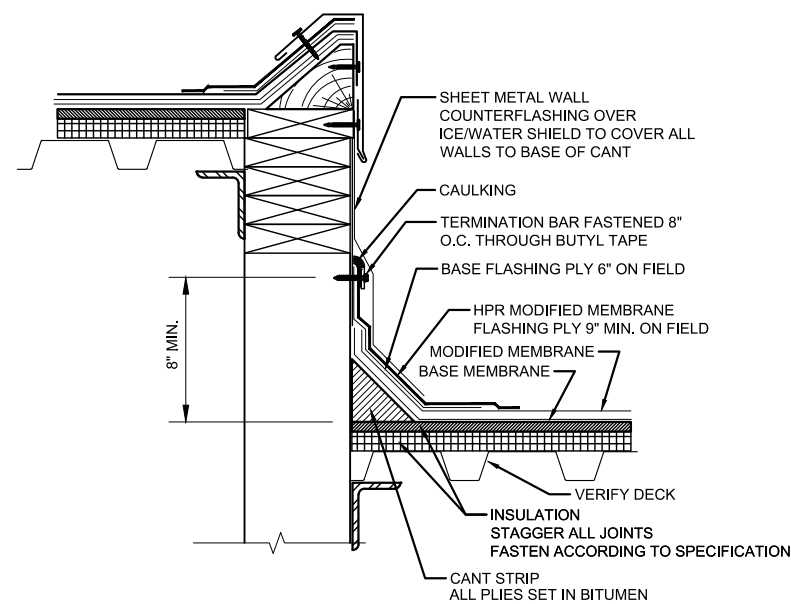
**NOTE:**  
REFERENCE SPECIFICATION FOR SURFACING, MEMBRANE ADHESIVE TYPE, AND INSULATION/COVER BOARD TYPE AND ATTACHMENT METHOD.

**15** CANT EDGE AT WALL PANEL  
SCALE: 1/2" = 1'-0"

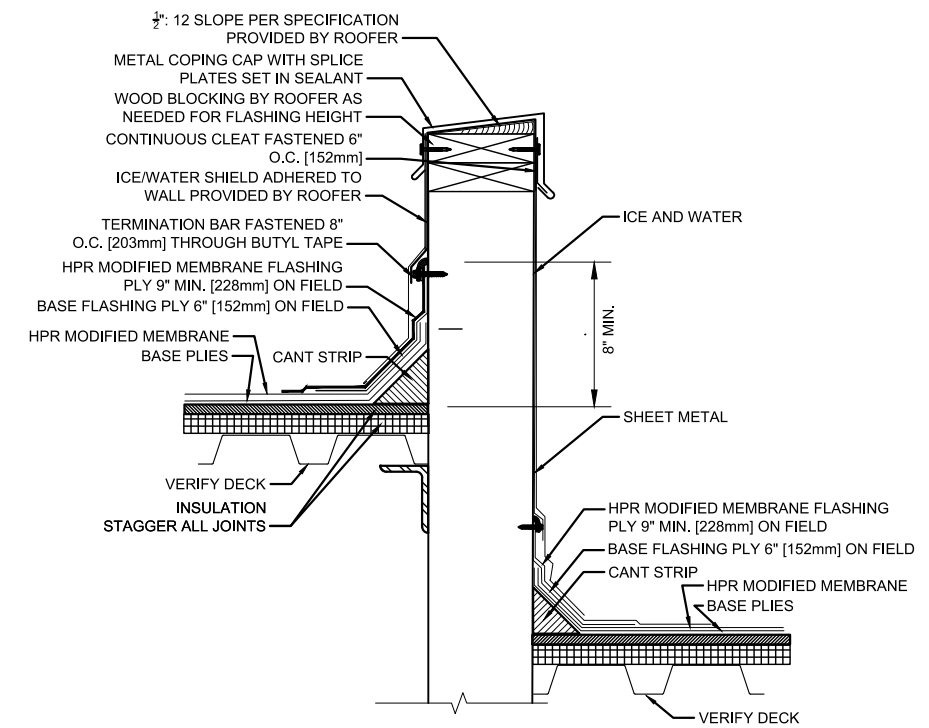


**NOTE:**  
REFERENCE SPECIFICATION FOR SURFACING, MEMBRANE ADHESIVE TYPE, AND INSULATION/COVER BOARD TYPE AND ATTACHMENT METHOD.

**16** CANT EDGE  
SCALE: 1/2" = 1'-0"



**17** HIGH/LOW FLASHING #1  
SCALE: 1/2" = 1'-0"



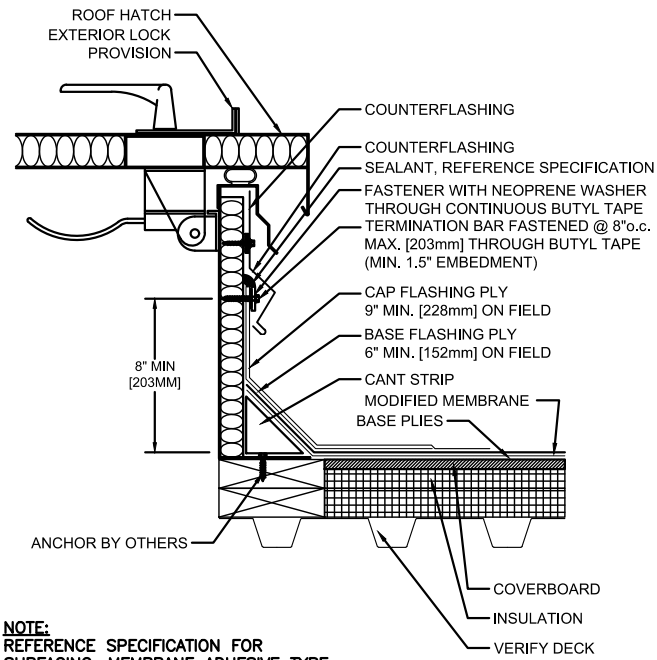
**18** HIGH/LOW FLASHING #2  
SCALE: 1/2" = 1'-0"

SCALE:

DATE: 12-19-24

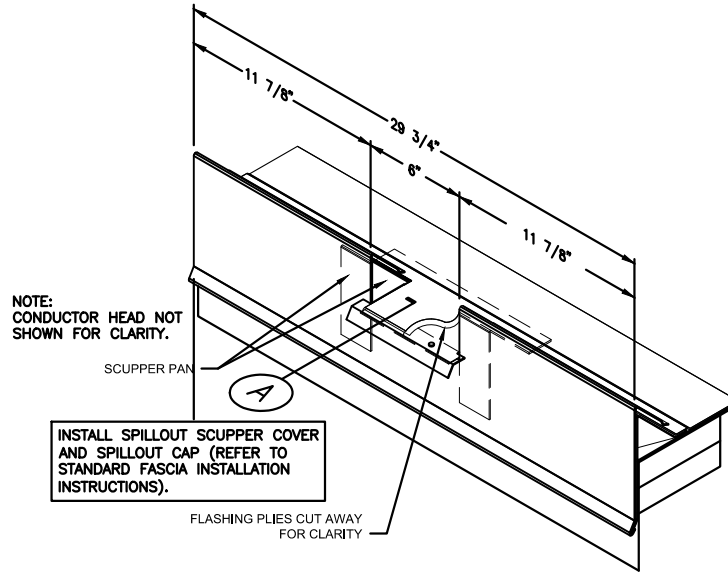


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**NOTE:**  
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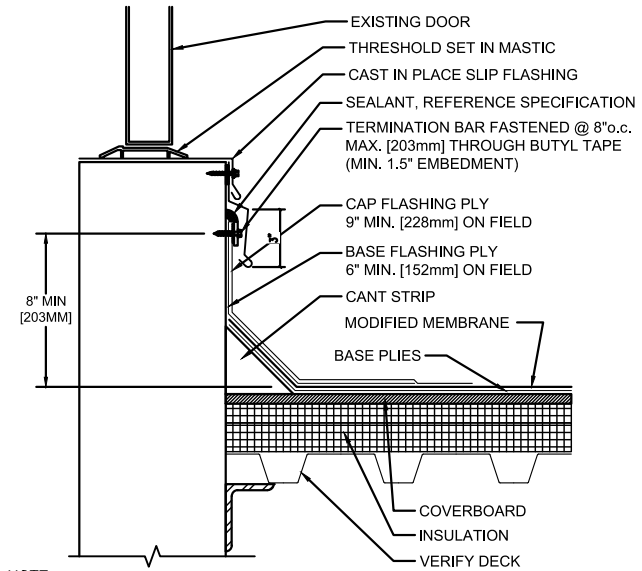
**19 HATCH DETAIL**  
SCALE: 1/2" = 1'-0"



**NOTE:**  
CONDUCTOR HEAD NOT SHOWN FOR CLARITY.

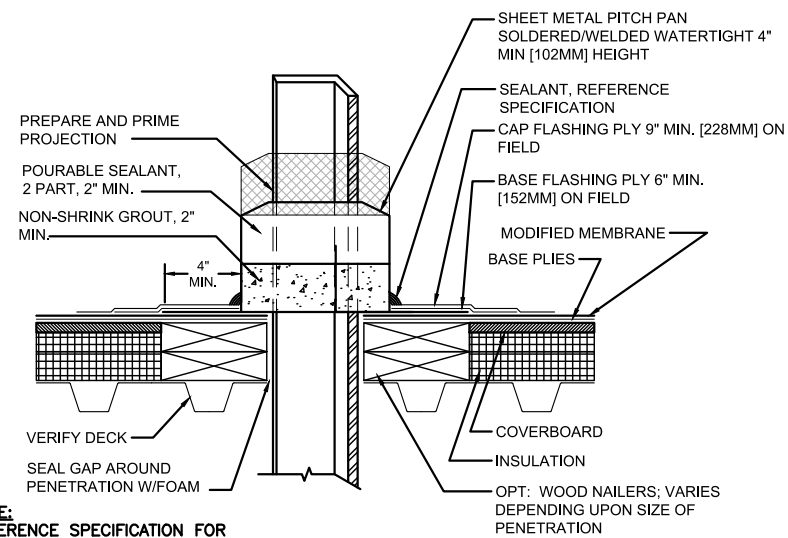
INSTALL SPILLOUT SCUPPER COVER AND SPILLOUT CAP (REFER TO STANDARD FASCIA INSTALLATION INSTRUCTIONS).

**20 SCUPPER OPENING**  
SCALE: 1/2" = 1'-0"



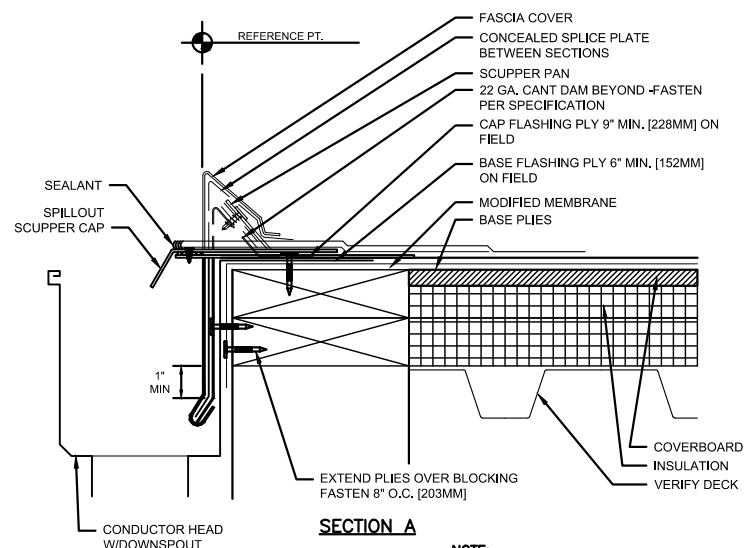
**NOTE:**  
REFERENCE SPECIFICATION FOR SURFACING, MEMBRANE ADHESIVE TYPE, AND INSULATION/COVER BOARD TYPE AND ATTACHMENT METHOD.

**21 DOOR THRESHOLD DETAIL**  
SCALE: 1/2" = 1'-0"



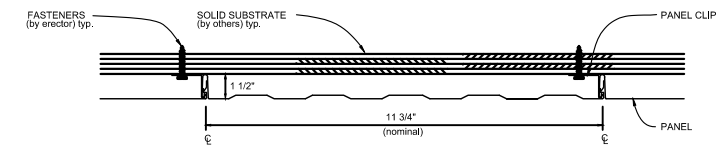
**NOTE:**  
REFERENCE SPECIFICATION FOR SURFACING, MEMBRANE ADHESIVE TYPE, AND INSULATION/COVER BOARD TYPE AND ATTACHMENT METHOD.

**22 PITCH POCKET (STEEL ANGLE)**  
SCALE: 1/2" = 1'-0"



**NOTE:**  
REFERENCE SPECIFICATION FOR SURFACING, MEMBRANE ADHESIVE TYPE, AND INSULATION/COVER BOARD TYPE AND ATTACHMENT METHOD.

**23 SCUPPER THROUGH ROOF EDGE SNAP-ON FASCIA**  
SCALE: 3" = 1'-0"



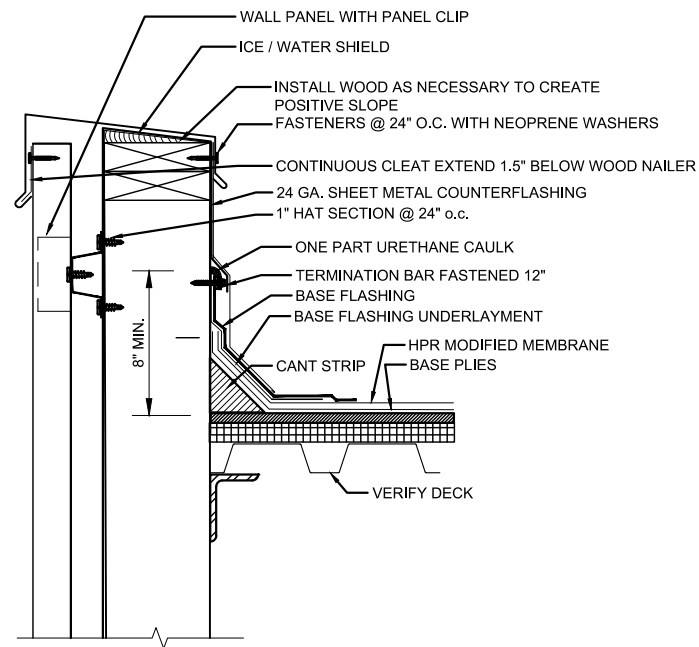
**GENERAL SPECIFICATIONS**

**FINISH:** Kynar 500<sup>®</sup> Fluoropolymer Finish  
**PANEL:** Panels shall be continuous roll formed.  
**INSTALLATION:** Panels are installed using concealed clips. Screw-type fasteners shall be by erector and shall not exceed 24" o.c.

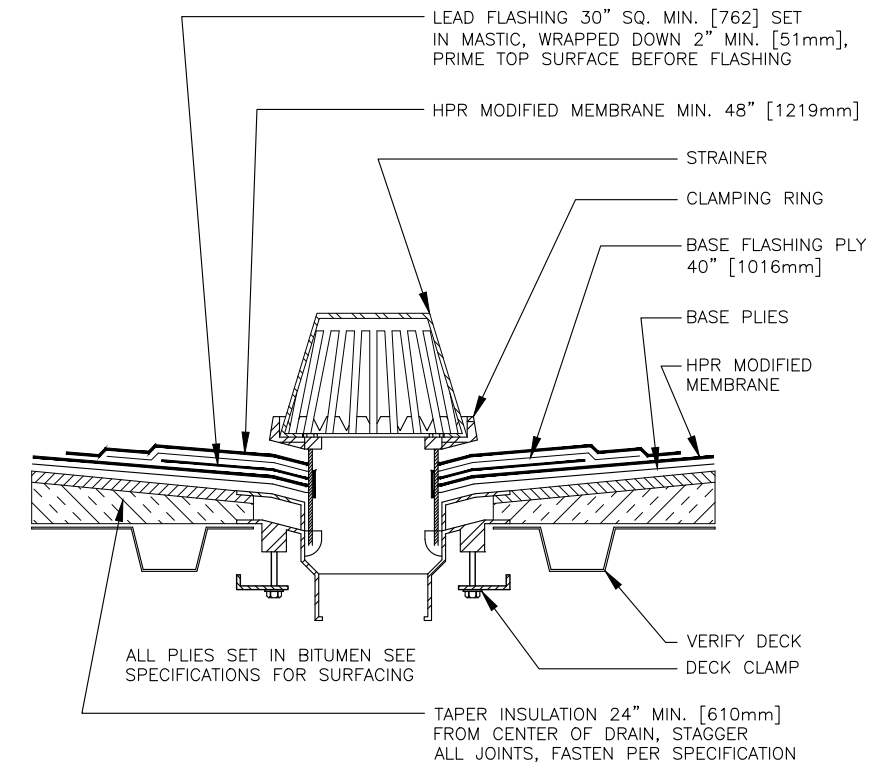
**24 R-MER WALL PANEL MESA PROFILE**  
SCALE: NTS

SCALE:  
DATE: 12-19-24

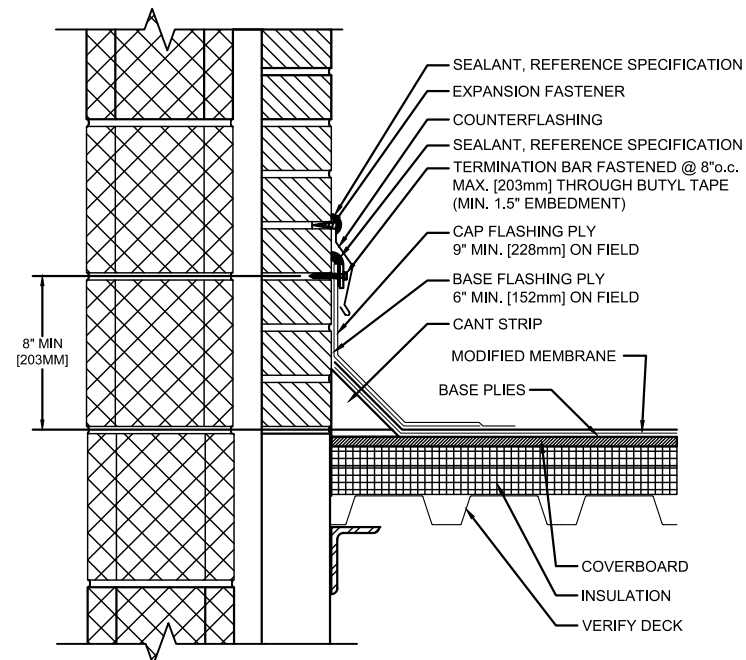
**R504**



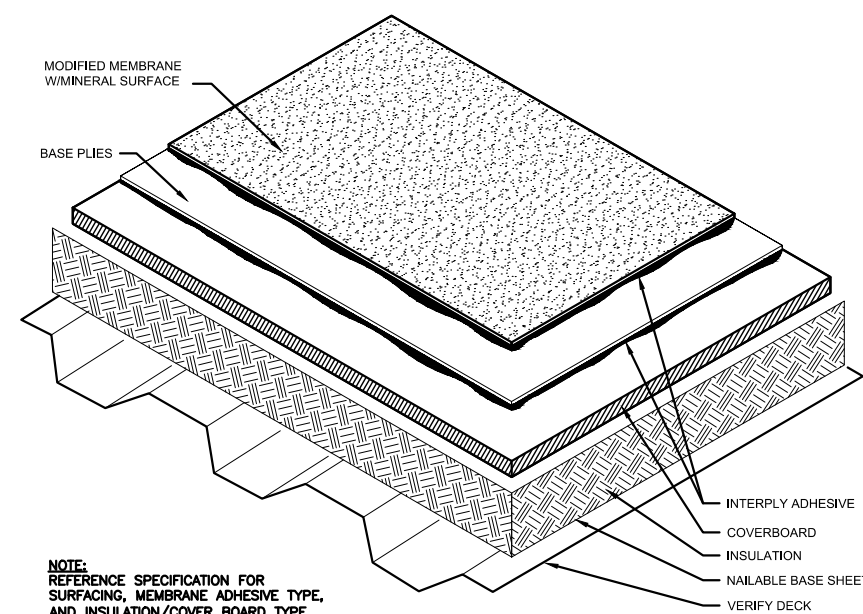
**25** R-MER WALL PANEL PARAPET  
SCALE: NTS



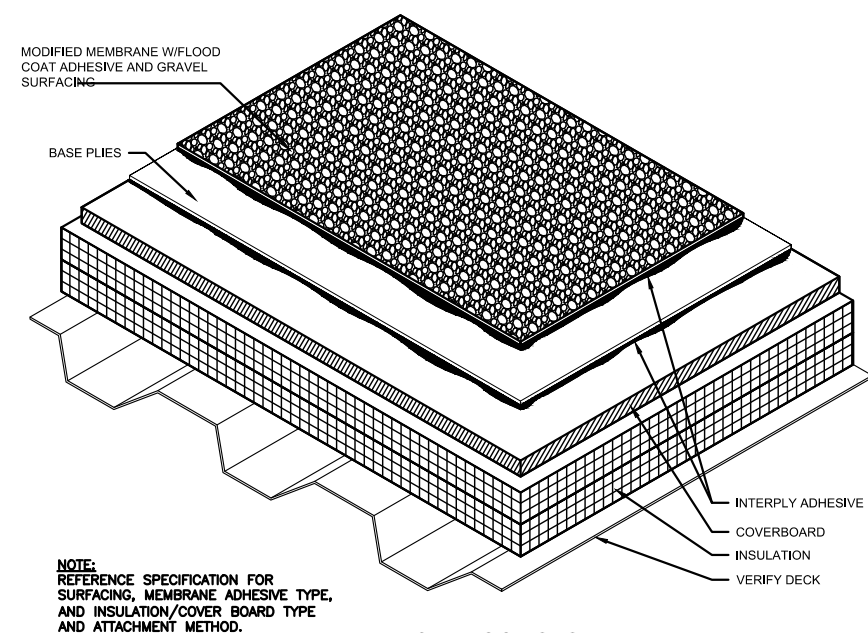
**27** DRAIN DETAIL  
SCALE: 1/2" = 1'-0"



**28** WALL FLASHING - REGLET MOUNTED COUNTERFLASHING  
SCALE: NTS



**29** TYPICAL ROOF SYSTEM MINERAL SURFACE  
SCALE: NTS



**30** TYPICAL ROOF SYSTEM GRAVEL SURFACE  
SCALE: NTS

SCALE:

DATE: 12-19-24

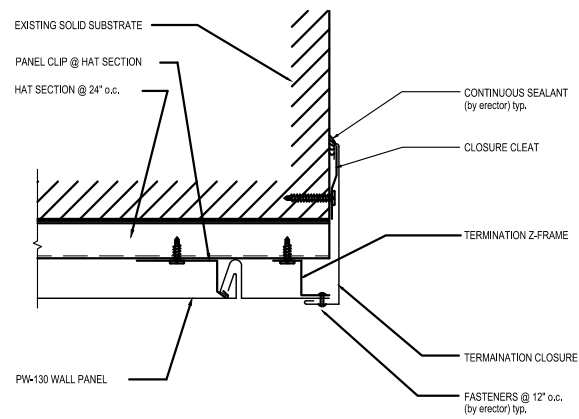


**KINGSLAND PUBLIC SCHOOLS**  
705 North Section Avenue, Spring Valley, MN 55975

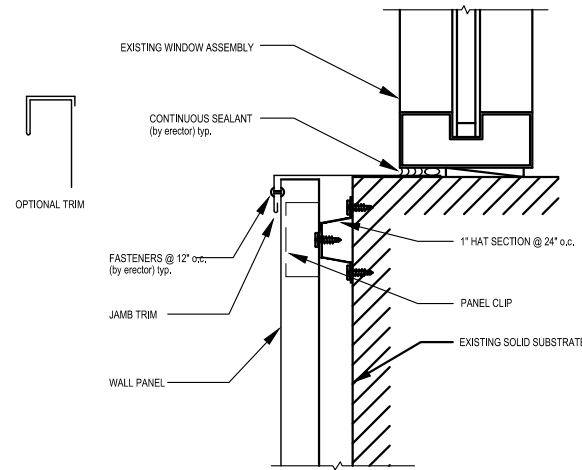
SCALE:

DATE: 12-19-24

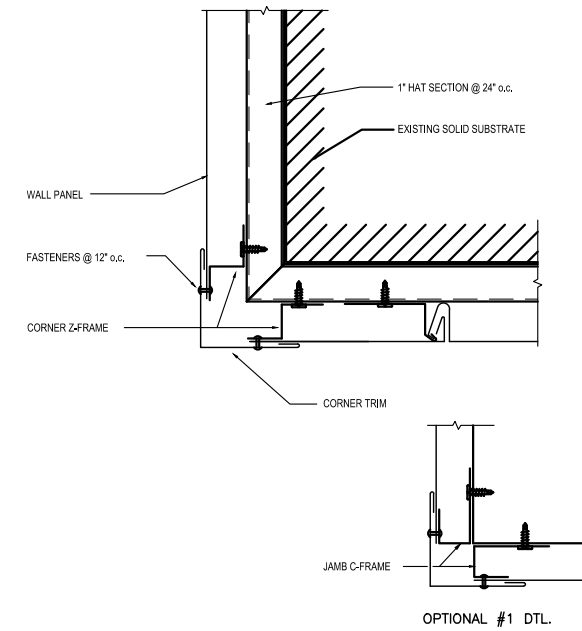
**R506**



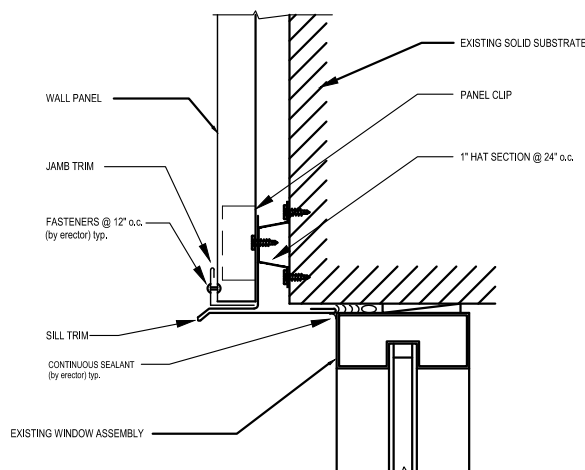
**31** R-MER WALL PANEL TERMINATION  
SCALE: NTS



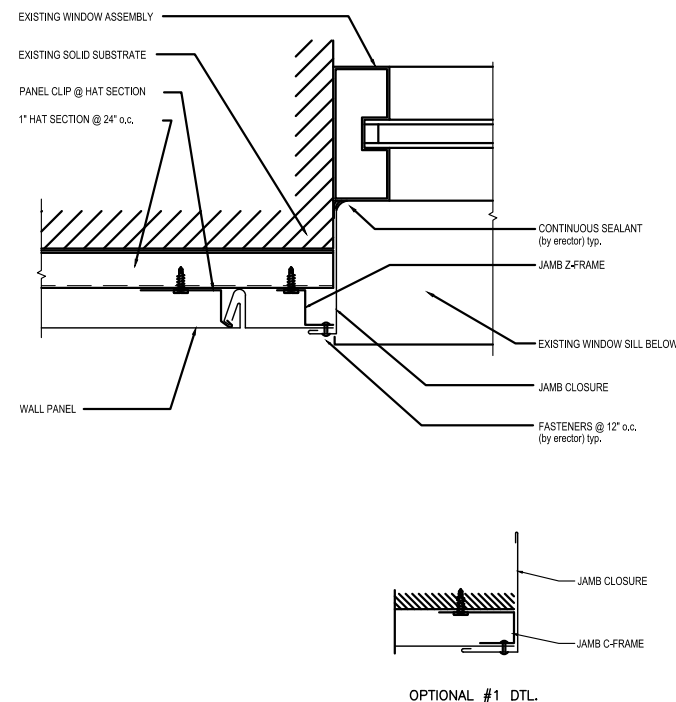
**32** R-MER WALL PANEL HEAD AT WINDOW  
SCALE: NTS



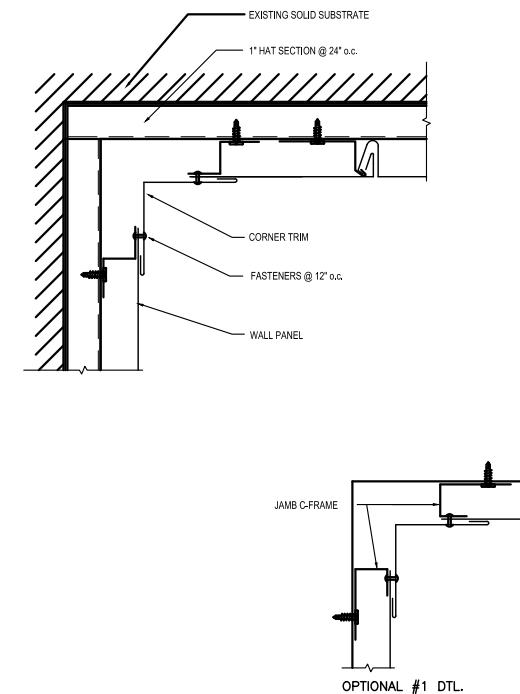
**33** R-MER WALL PANEL OUTSIDE CORNER  
SCALE: NTS



**34** R-MER WALL PANEL SILL AT WINDOW  
SCALE: NTS



**35** R-MER WALL PANEL JAMB AT WINDOW  
SCALE: NTS



**36** R-MER WALL PANEL INSIDE CORNER  
SCALE: NTS