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HCPS ROOF REPLACEMENTS AT FRMS/EHHS

OWNER

HENDERSON COUNTY
HENDERSON COUNTY PUBLIC SCHOOLS

CONTACTS

OWNER REPRESENTATIVE

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CHAD DILLON
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LIST OF DRAWINGS	
T101	COVER SHEET
ARCHITECTURAL	
A201	EHHS MEDIA CENTER ROOF PLAN
A202	EHHS LOCKER ROOM COMPLEX ROOF PLAN
A203	FRMS WEST SIDE ROOF REPLACEMENT
A301	DETAILS
A302	DETAILS

NORTH CAROLINA BUILDING CODE SUMMARY

- PER N.C.G.S. 143-138(b15): BUILDINGS CONSTRUCTED BEFORE 2012 ARE EXCLUDED FROM THE CURRENT CODE AND ARE SUBJECT TO THE 2009 NC ENERGY CONSERVATION CODE. R-VALUE MIN. SHALL BE R-15, FOR CLIMATE ZONE 4 (NON-MARINE)
- NC ENERGY CONSERVATION CODE 503.1 EXCEPTION 2.e: REROOF SHALL NOT BE LESS THAN THE CONDITIONS/DESIGN PRIOR TO ROOF REPLACEMENT
- 1511.1 EXCEPTIONS 1&2: REPLACEMENT SHALL NOT BE REQUIRED TO MEET THE SLOPE REQUIREMENT OF ¼" PER FOOT OR PROVIDE SECONDARY DRAINS OR SCUPPERS
- 1511.3.1.1 EXCEPTIONS 3: ROOF RECOVERING SHALL NOT BE PERMITTED OVER WATER SOAKED ROOFING OR OVER 2 OR MORE ROOF APPLICATIONS

NOTES:

- EHHS MEDIA CENTER APPROXIMATE ROOF SQUARE FOOTAGE: 17,163 SF
- EHHS LOCKER ROOM COMPLEX APPROXIMATE ROOF SQUARE FOOTAGE: 17,914 SF
- FRMS WEST SIDE APPROXIMATE ROOF SQUARE FOOTAGE: 25,537 SF

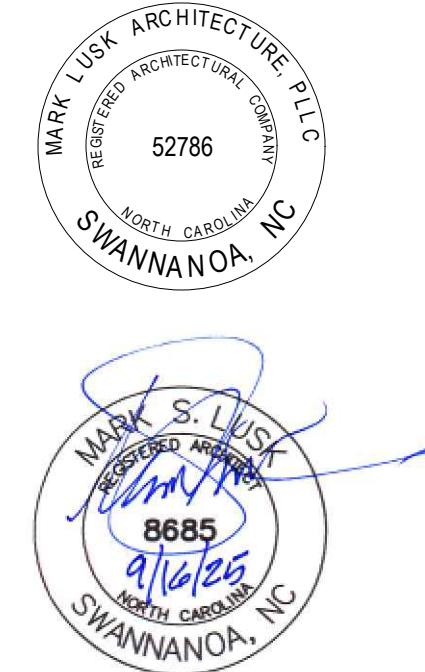
ABBREVIATIONS:

- REPLACE= REMOVE EXISTING AND PROVIDE AS SHOWN AND SPECIFIED
- RD= ROOF DRAIN
- CMU= CONCRETE MASONRY UNITS
- CWFD= CEMENTITIOUS WOOD FIBER DECK
- POLYISO= POLYISOCYANURATE
- DS= DOWNSPOUT
- SPM= SINGLE PLY MEMBRANE
- EPS= EXPANDED POLYSTYRENE
- BUR= BUILT UP ROOFING
- MBRS= MODIFIED BITUMEN ROOFING SYSTEM
- BOW= BASE OF WALL
- LWIC= LIGHTWEIGHT INSULATING CONCRETE
- EJ= EXPANSION JOINT

ALTERNATES:

ALTERNATE NO. 1: PROVIDE ROOF REPLACEMENT AT EHHS MEDIA CENTER AS SHOWN ON A201 AND SECTION 012300.

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HCPS ROOF REPLACEMENTS AT FRMS/EHHS

Project Number: 25004
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Drawn: A. Rognas
Date: 9/16/25
Revisions: _____

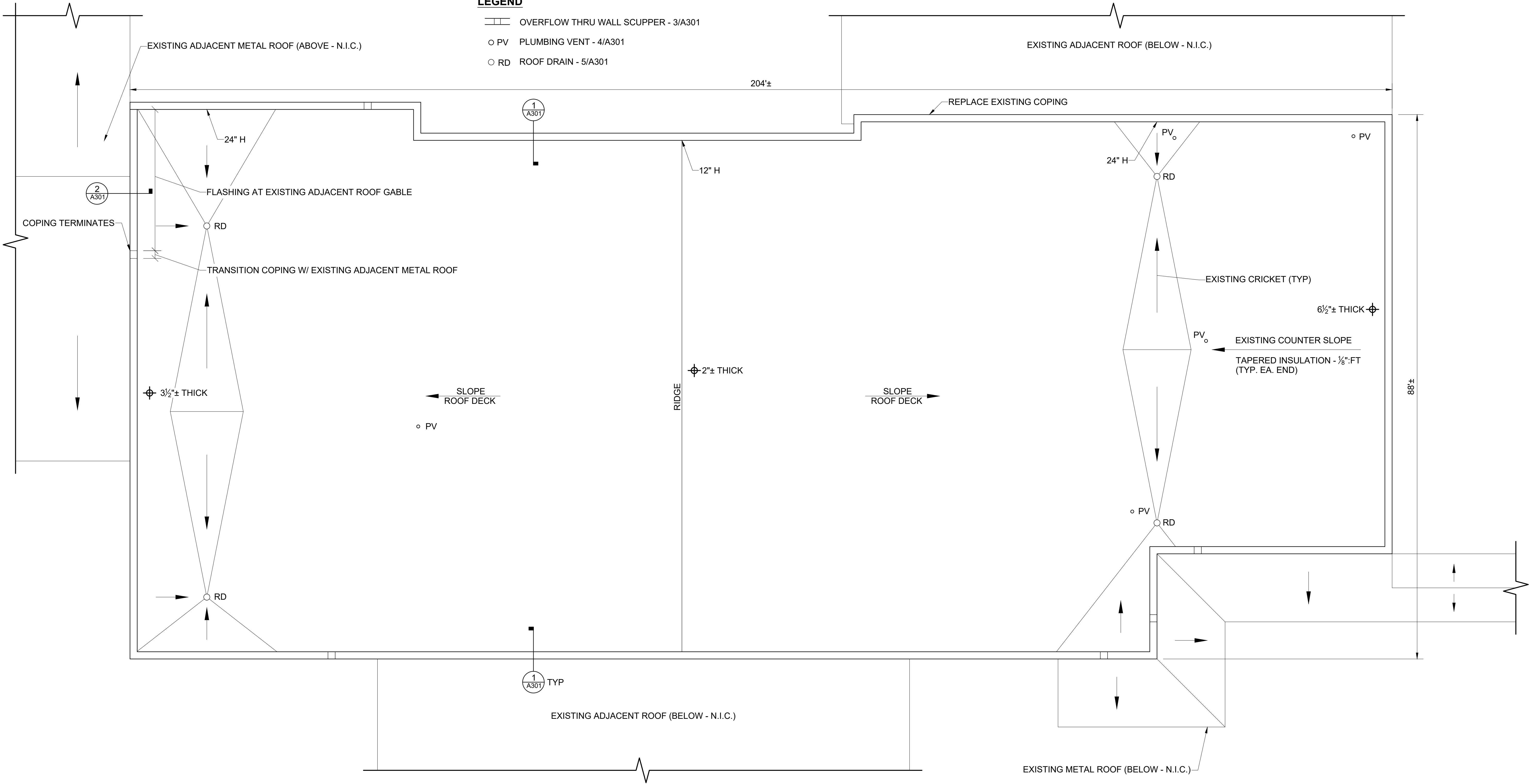
COVER SHEET

T101

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LEGEND

- OVERFLOW THRU WALL SCUPPER - 3/A301
- PV PLUMBING VENT - 4/A301
- RD ROOF DRAIN - 5/A301

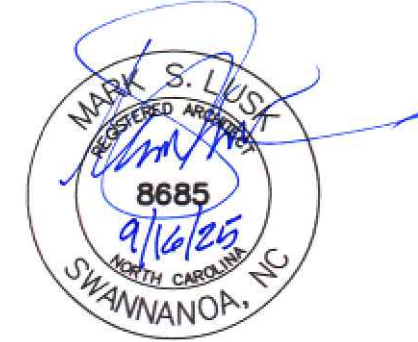
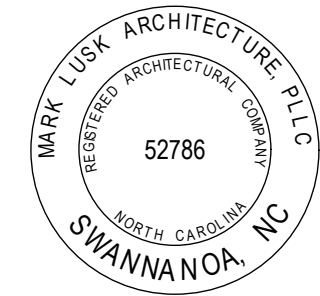


ROOFING NOTES

- EXISTING ROOFING COMPONENTS:
 - FULLY ADHERED SPM MEMBRANE W/ ACRYLIC COATING
 - 2" POLYISO INSULATION
 - 2" POLYISO INSULATION W/ TAPERED POLYSTYRENE INSULATION COUNTERSLOPE EA. END
 - METAL ROOF DECK- SLOPE ROOF STRUCTURE
- DEMOLITION: REMOVE EXISTING ROOFING SYSTEM FLASHING INCLUDING TERMINATION BARS. EXISTING SPM SHALL REMAIN- CUT OPEN. BALLAST SHALL BE RELOCATED TO A SITE ON CAMPUS.
- PROVIDE FULLY ADHERED 60 MIL TPO MEMBRANE ROOFING SYSTEM, AND 1/2" COVERBOARD OVER EXISTING SPM ROOFING. ATTACH 1/2" COVERBOARD THROUGH INTO EXISTING METAL ROOF DECK.

GENERAL NOTES

- EXISTING WOOD NAILER SHALL REMAIN UNLESS DETERMINED TO BE DAMAGED BY ARCHITECT. REMOVAL AND REPLACEMENT SHALL BE PERFORMED AT UNIT PRICE.
- VERIFY DIMENSIONS, QUANTITIES, SIZES, AND OTHER EXISTING CONDITIONS PRIOR TO DEMOLITION WORK. DISCREPANCIES BETWEEN DOCUMENTS AND EXISTING CONDITIONS SHALL BE REPORTED TO THE ARCHITECT.
- SITE ACCESS, STAGING AND SCHEDULE SHALL BE COORDINATED WITH OWNER.
- PROVIDE 18-8 OR 304 STAINLESS STEEL FASTENERS WHERE IN CONTACT WITH PRESSURE TREATED WOOD.
- CONTRACTOR SHALL PERFORM ALL WORK IN COMPLIANCE WITH THE AHJ. COSTS FOR PERMITS SHALL BE INCLUDED IN WORK. PROVIDE INSPECTION DOCUMENTS TO THE OWNER.
- BUILDING ELEMENTS ARE EXISTING.



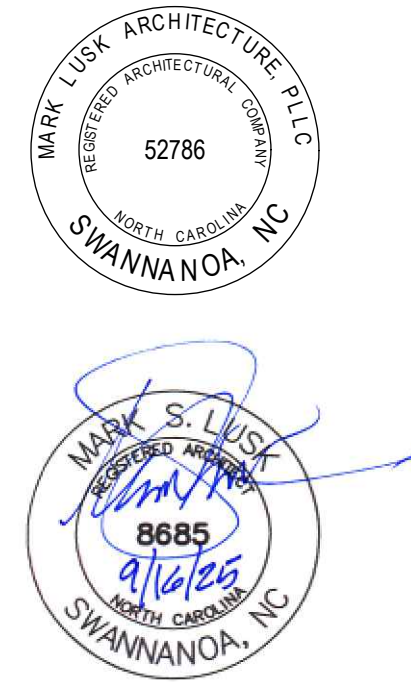
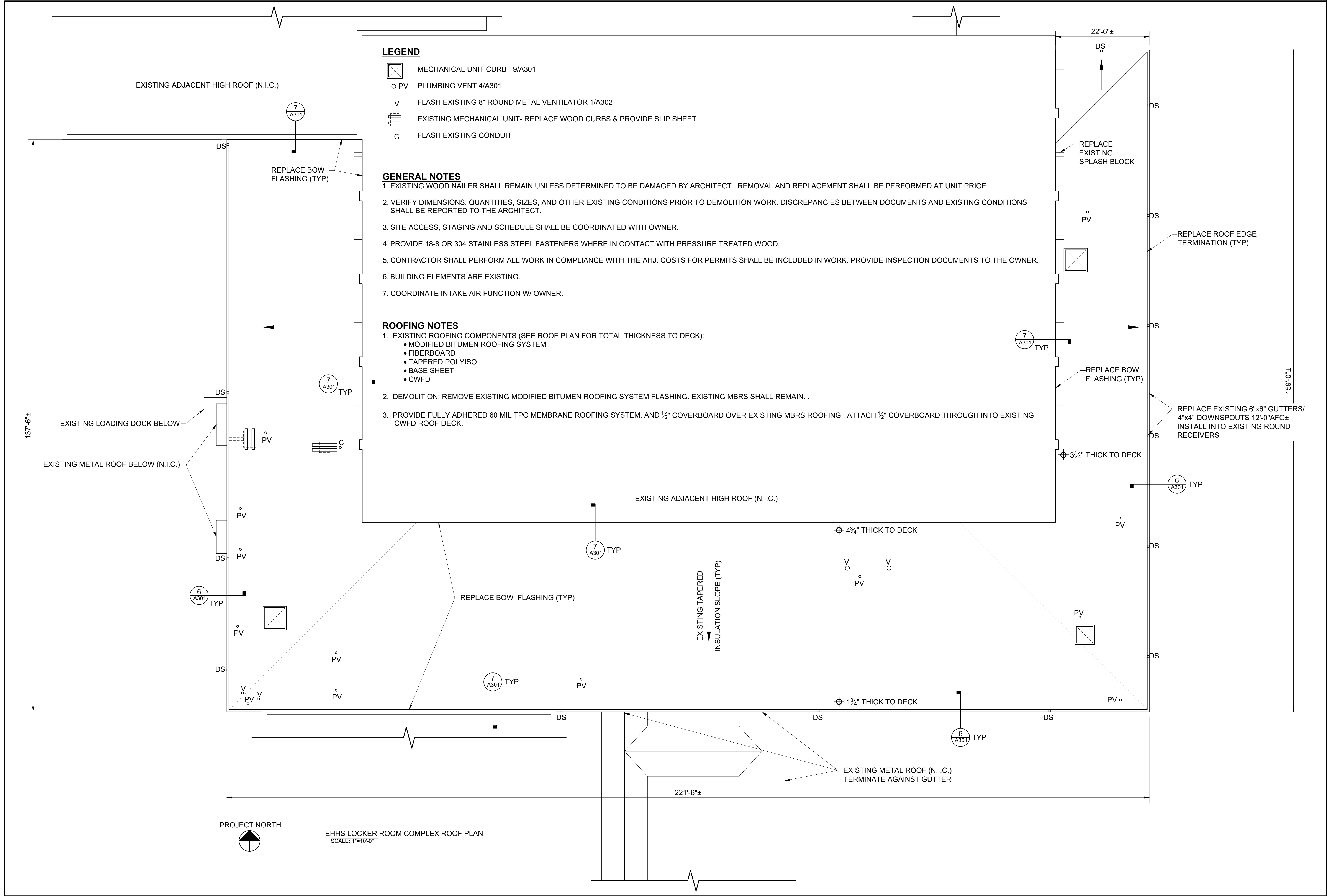
HCPS ROOF REPLACEMENTS AT FRMS/EHHS

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Revisions: _____

EHHS MEDIA CENTER ROOF PLAN

A201

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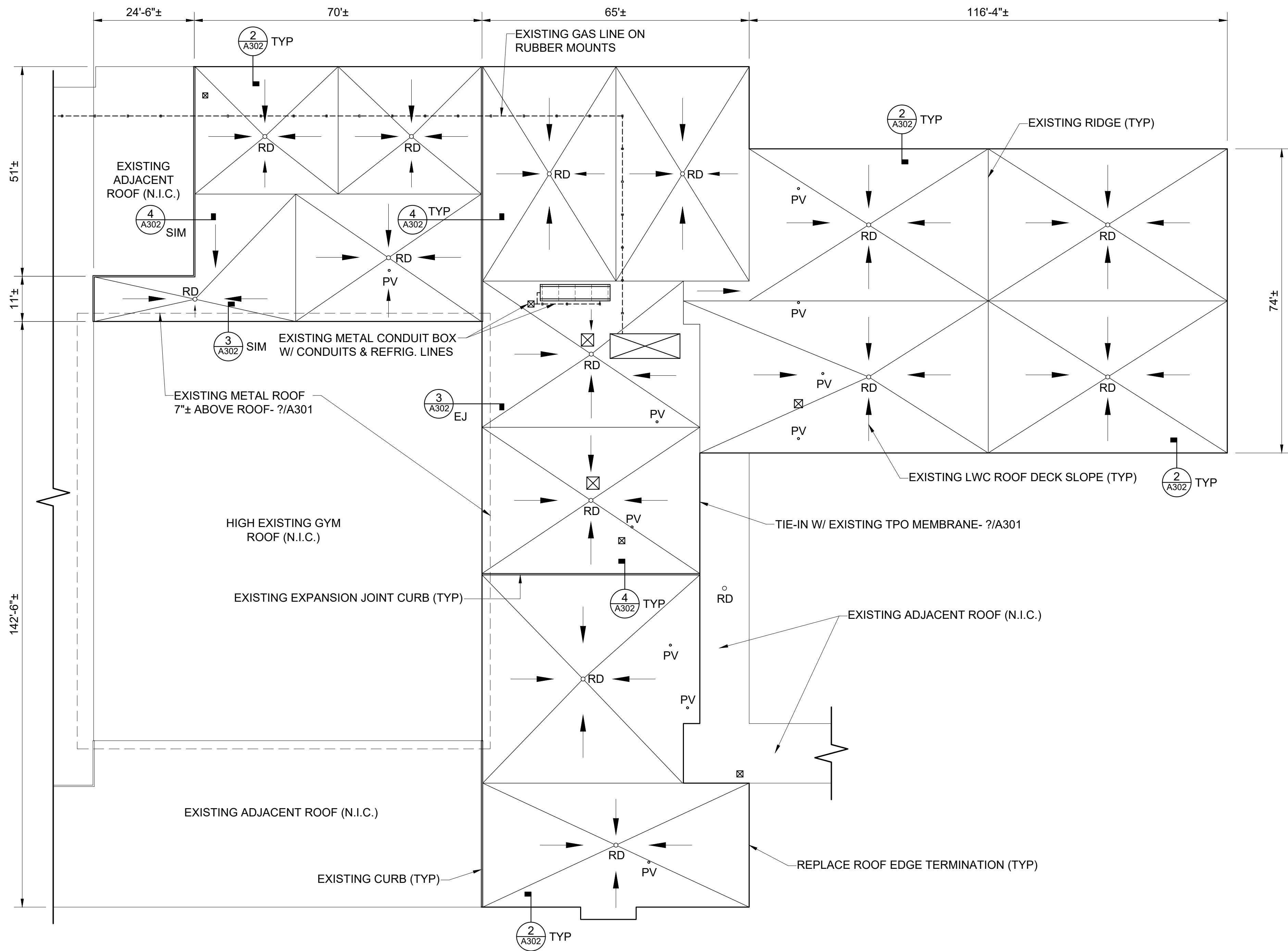
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**EHHS
LOCKER ROOM
COMPLEX
ROOF PLAN**

A202

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LEGEND

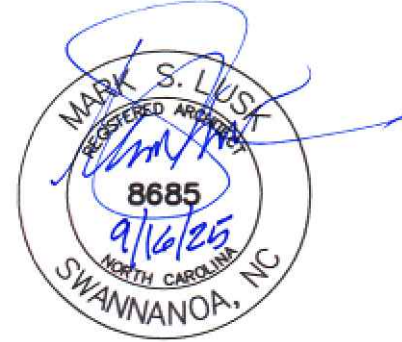
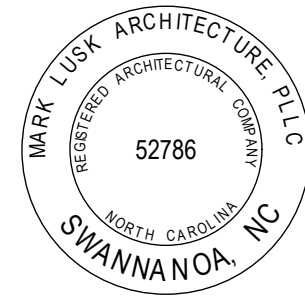
- ☒ MECHANICAL UNIT CURB - 9/A301
- ☒ EXISTING LARGE MECHANICAL UNIT CURB - 5/A302
- PV PLUMBING VENT - 4/A301
- RD ROOF DRAIN - 5/A301
- ☒ EXISTING MECHANICAL UNIT CURBS - 8/A301

GENERAL NOTES

- EXISTING WOOD NAILER SHALL REMAIN UNLESS DETERMINED TO BE DAMAGED BY ARCHITECT. REMOVAL AND REPLACEMENT SHALL BE PERFORMED AT UNIT PRICE.
- VERIFY DIMENSIONS, QUANTITIES, SIZES, AND OTHER EXISTING CONDITIONS PRIOR TO DEMOLITION WORK. DISCREPANCIES BETWEEN DOCUMENTS AND EXISTING CONDITIONS SHALL BE REPORTED TO THE ARCHITECT.
- SITE ACCESS, STAGING AND SCHEDULE SHALL BE COORDINATED WITH OWNER.
- PROVIDE 18-8 OR 304 STAINLESS STEEL FASTENERS WHERE IN CONTACT WITH PRESSURE TREATED WOOD.
- CONTRACTOR SHALL PERFORM ALL WORK IN COMPLIANCE WITH THE AHJ. COSTS FOR PERMITS SHALL BE INCLUDED IN WORK. PROVIDE INSPECTION DOCUMENTS TO THE OWNER.
- BUILDING ELEMENTS ARE EXISTING.

ROOFING NOTES

- EXISTING ROOFING COMPONENTS:
 - STONE BALLAST- REMOVE
 - LOOSE LAID SPM- REMOVE
 - 1" EPS INSULATION
 - 2" POLYISO INSULATION
 - 3/4" BUR
 - TAPERED LWIC - 6" THICK (ROOF EDGE, CURB, RIDGE), 3" THICK (ROOF DRAIN)
 - METAL ROOF DECK
- DEMOLITION: REMOVE EXISTING STONE BALLAST & SPM ROOFING SYSTEM INCLUDING TERMINATION BARS. EXISTING INSULATION SHALL REMAIN. BALLAST SHALL BE RELOCATED TO A SITE ON CAMPUS.
- PROVIDE FULLY ADHERED 60 MIL TPO MEMBRANE ROOFING SYSTEM, AND 1/2" COVERBOARD OVER EXISTING INSULATION. ATTACH 1/2" COVERBOARD THROUGH INTO EXISTING METAL ROOF DECK.



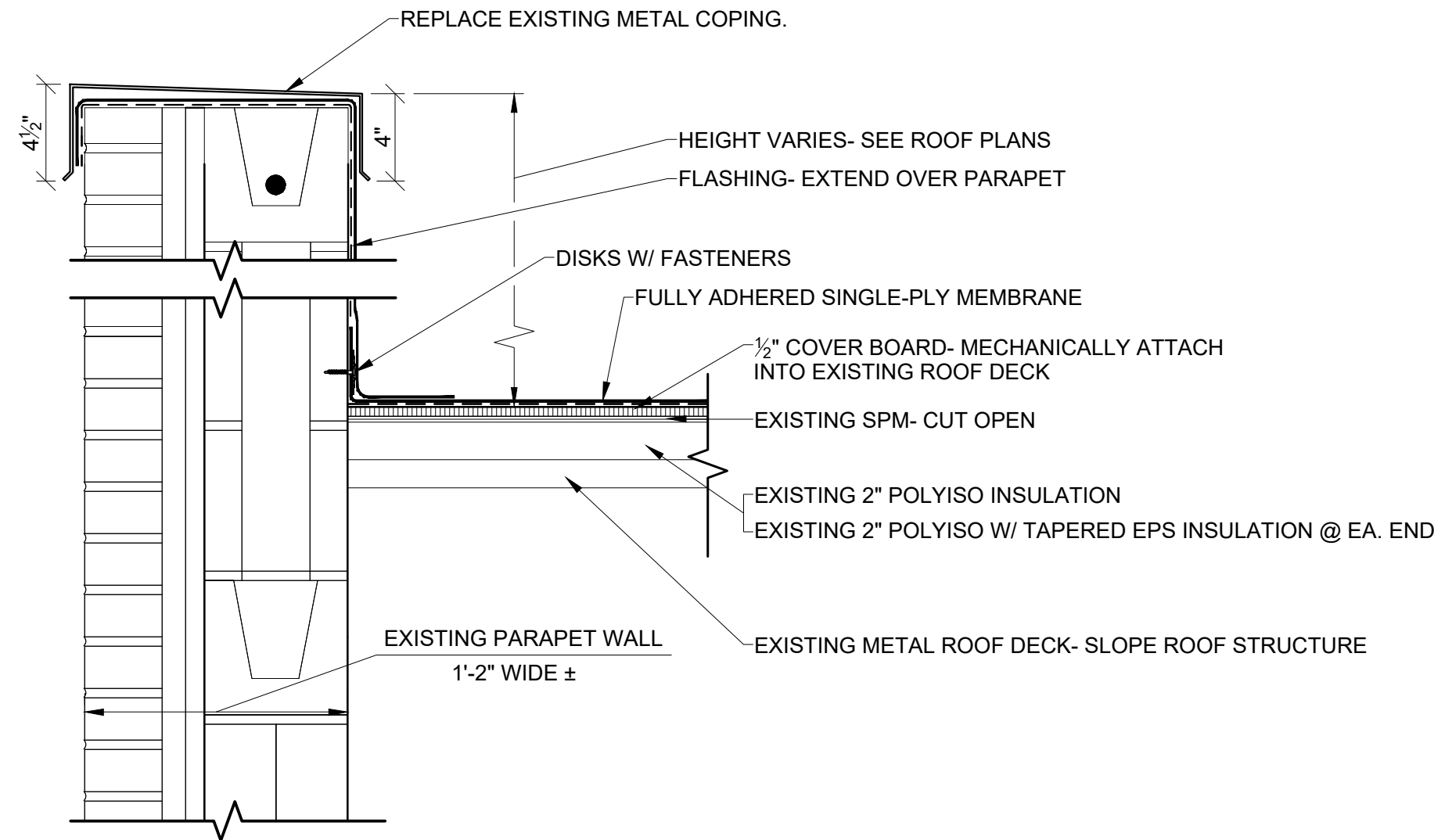
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FRMS WEST SIDE ROOF REPLACEMENT

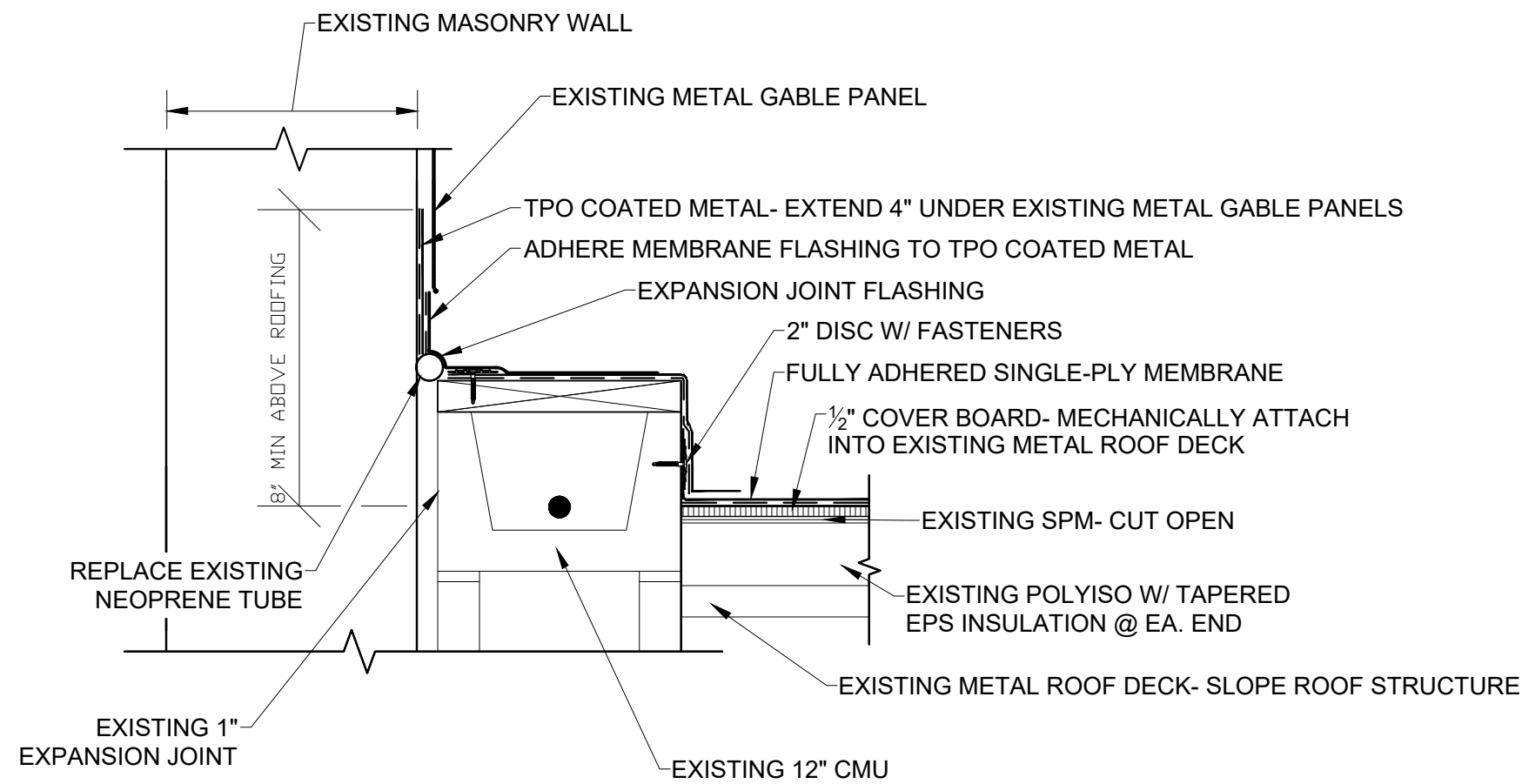
A203

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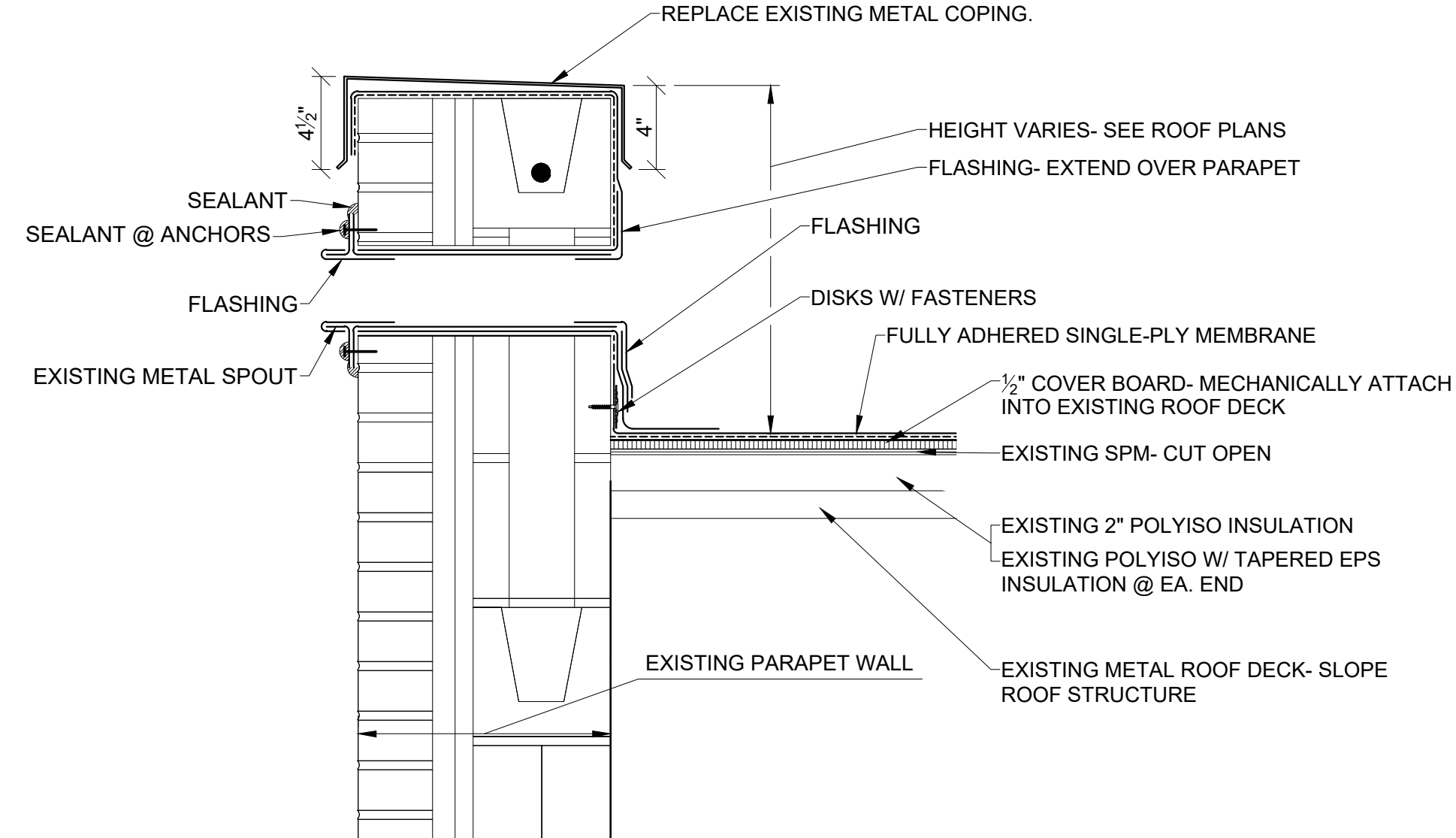
① PARAPET WALL DETAIL
SCALE: 1 1/2" = 1'-0"

NOTE:
1. SEE DEMOLITION NOTE 2- A201



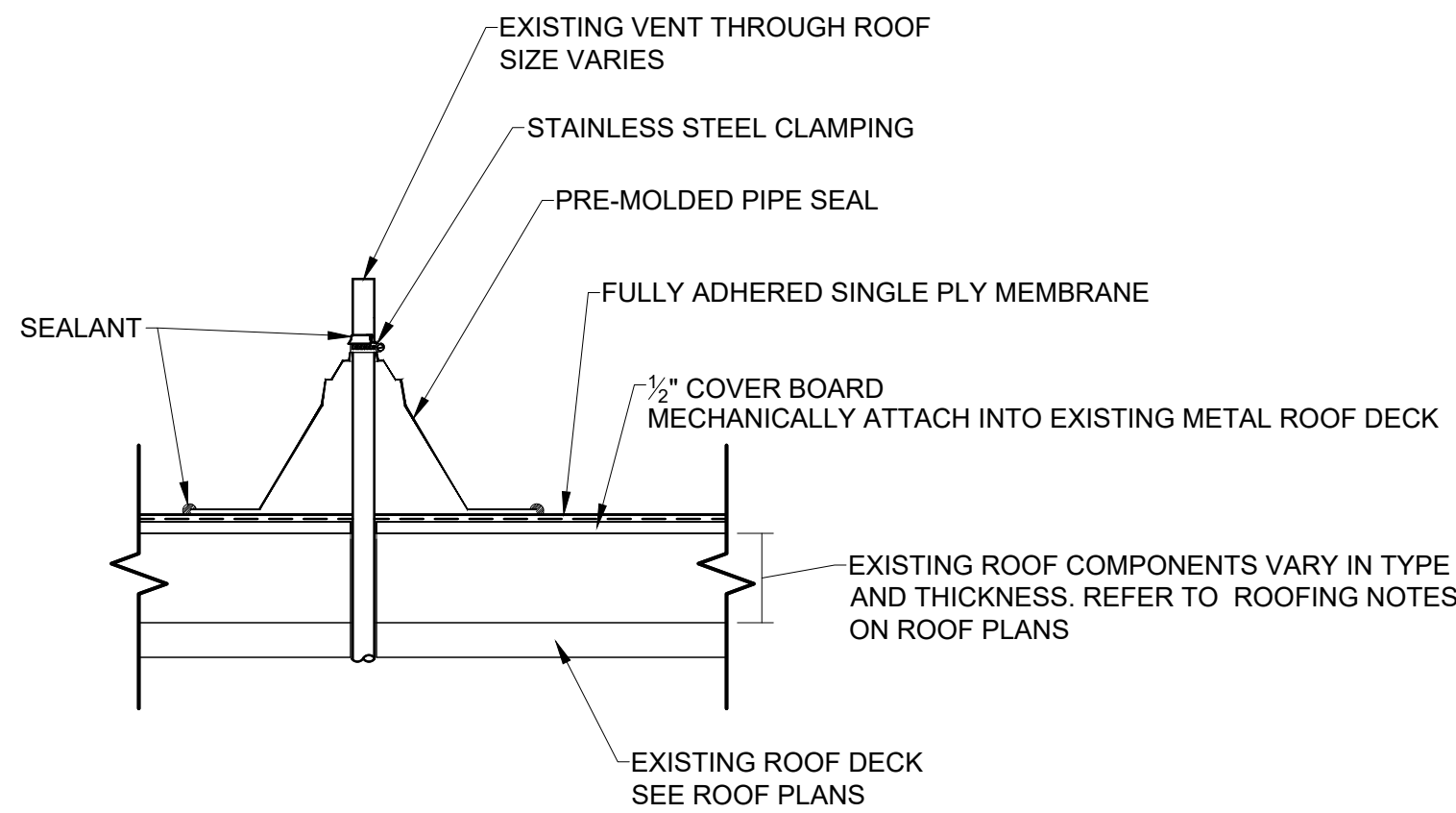
② BASE OF WALL W/ EXPANSION JOINT DETAIL
SCALE: 1 1/2" = 1'-0"

NOTE:
1. REMOVE EXISTING FLASHING



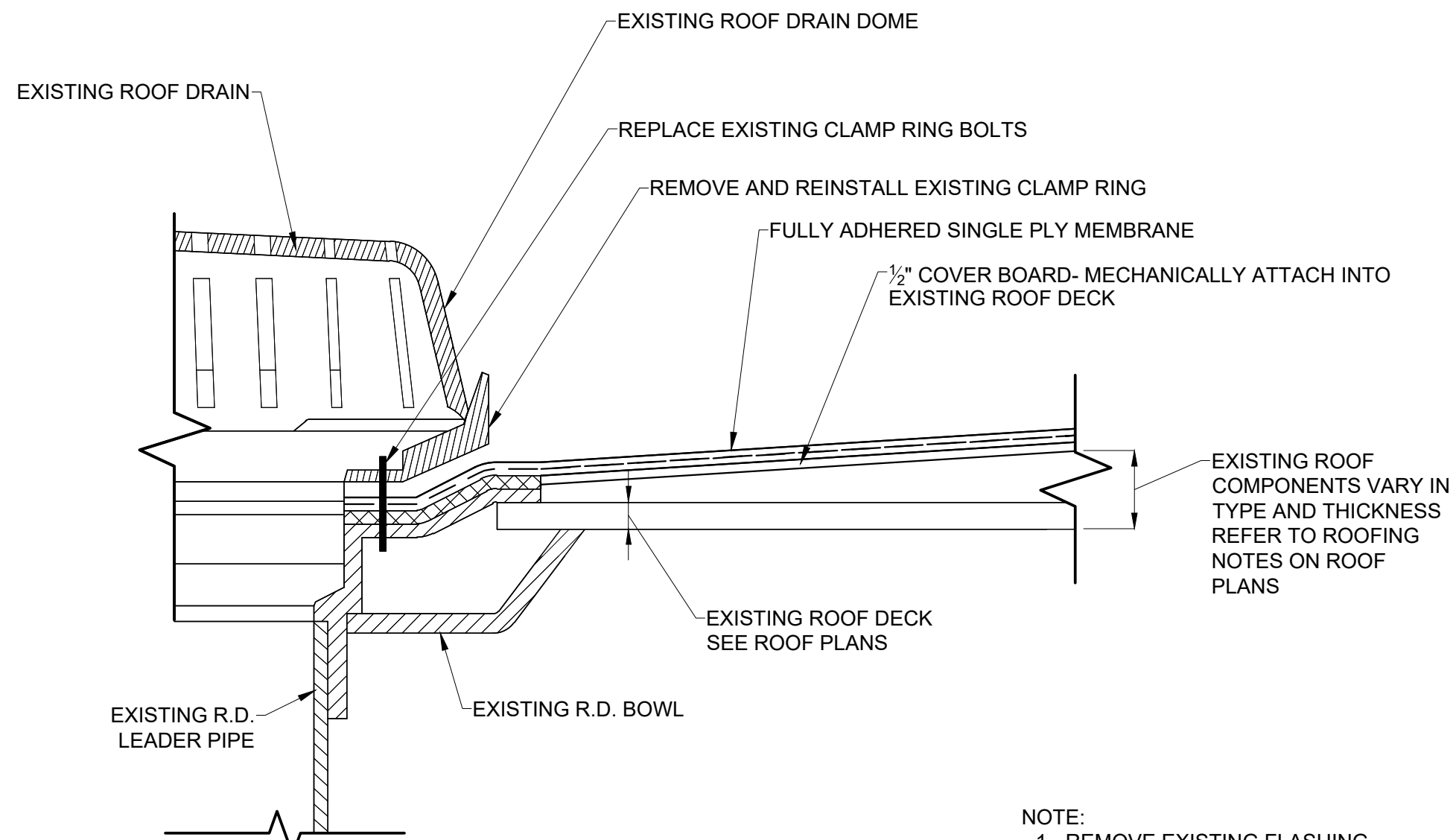
③ PARAPET WALL SCUPPER DETAIL
SCALE: 1 1/2" = 1'-0"

NOTE:
1. SEE DEMOLITION NOTE 2- A201



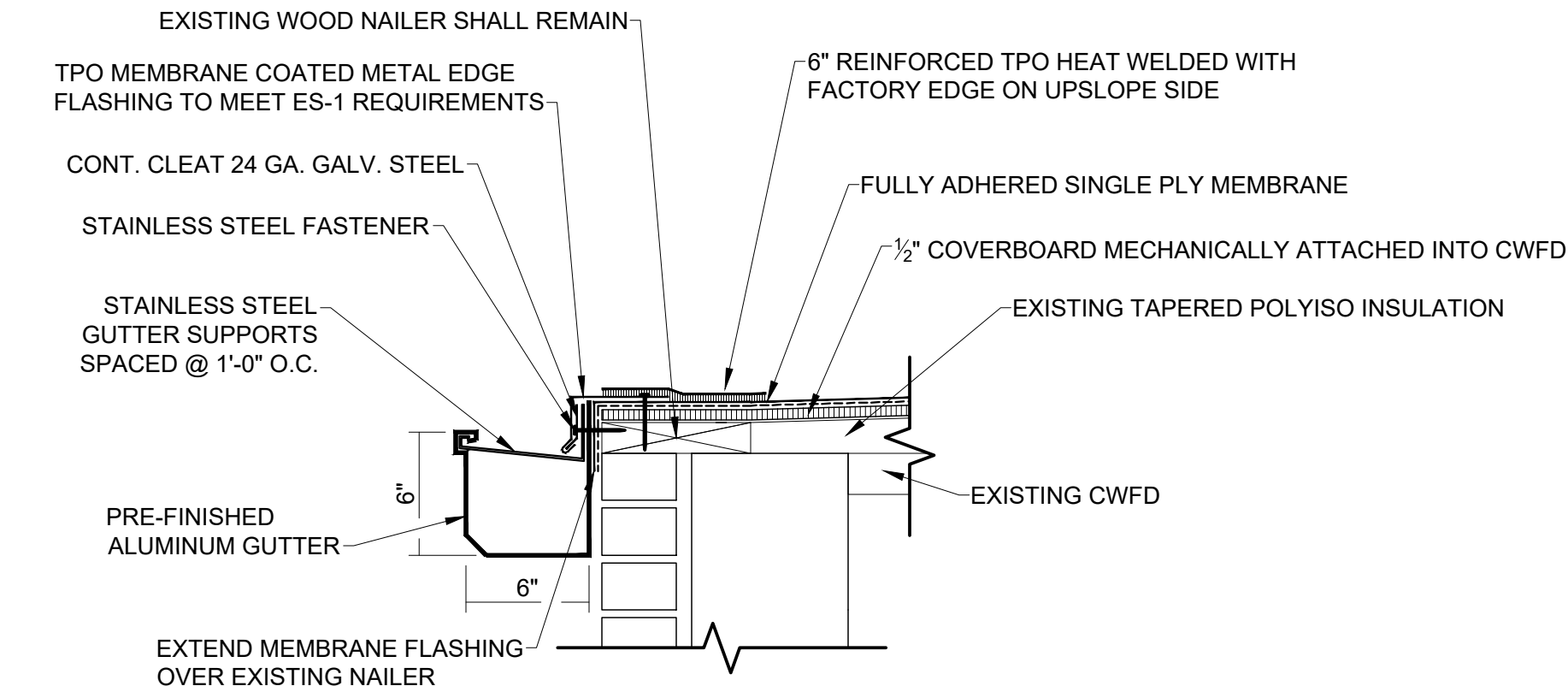
④ PLUMBING VENT DETAIL
SCALE: 1 1/2" = 1'-0"

NOTES:
1. RAISE VENT PIPE TO 8" ABOVE ROOFING
2. REMOVE EXISTING PRE-MOLDED PIPE SEAL



⑤ ROOF DRAIN DETAIL
SCALE: 1 1/2" = 1'-0"

NOTE:
1. REMOVE EXISTING FLASHING

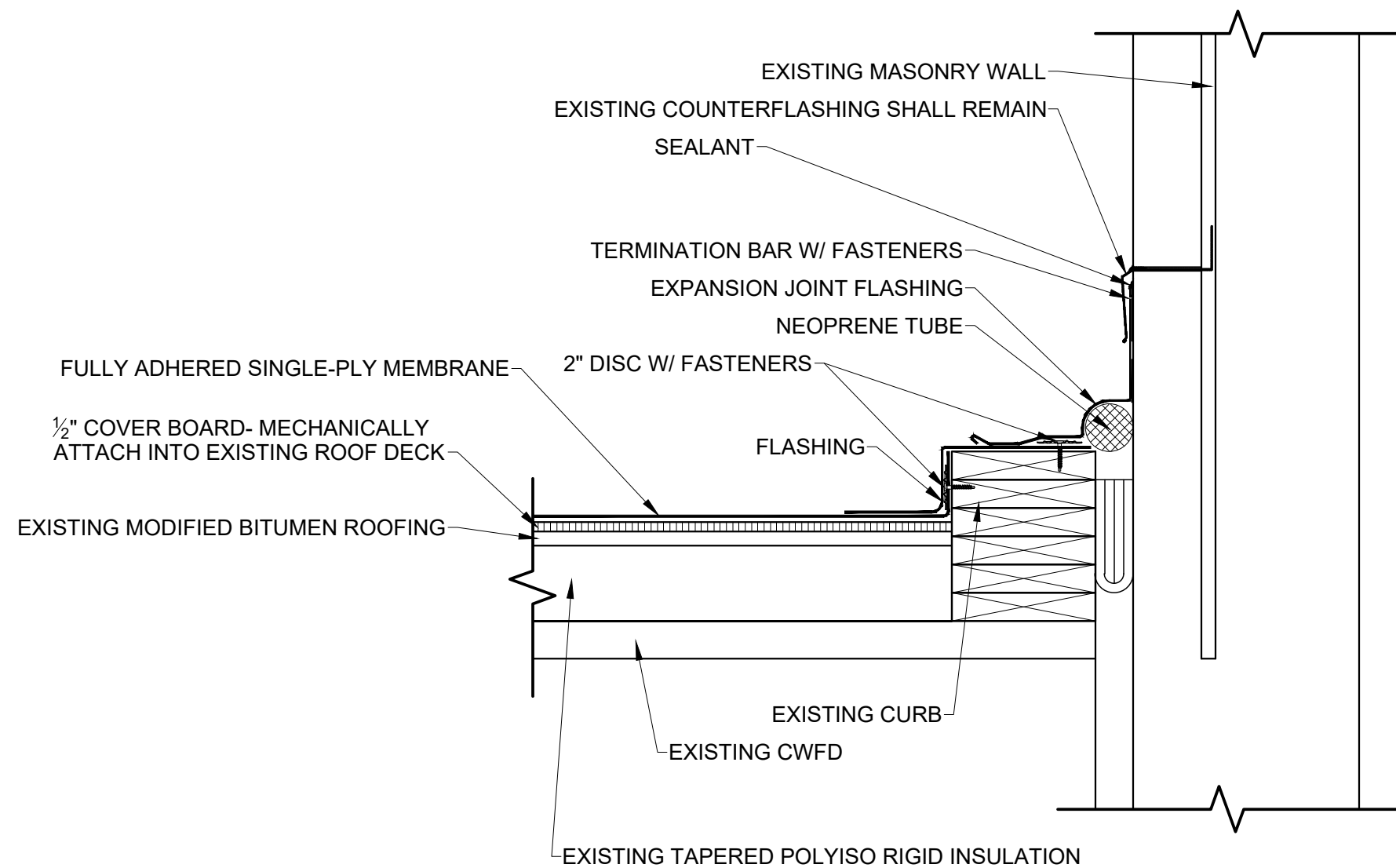


⑥ GUTTER/ ROOF EDGE DETAIL
SCALE: 1 1/2" = 1'-0"

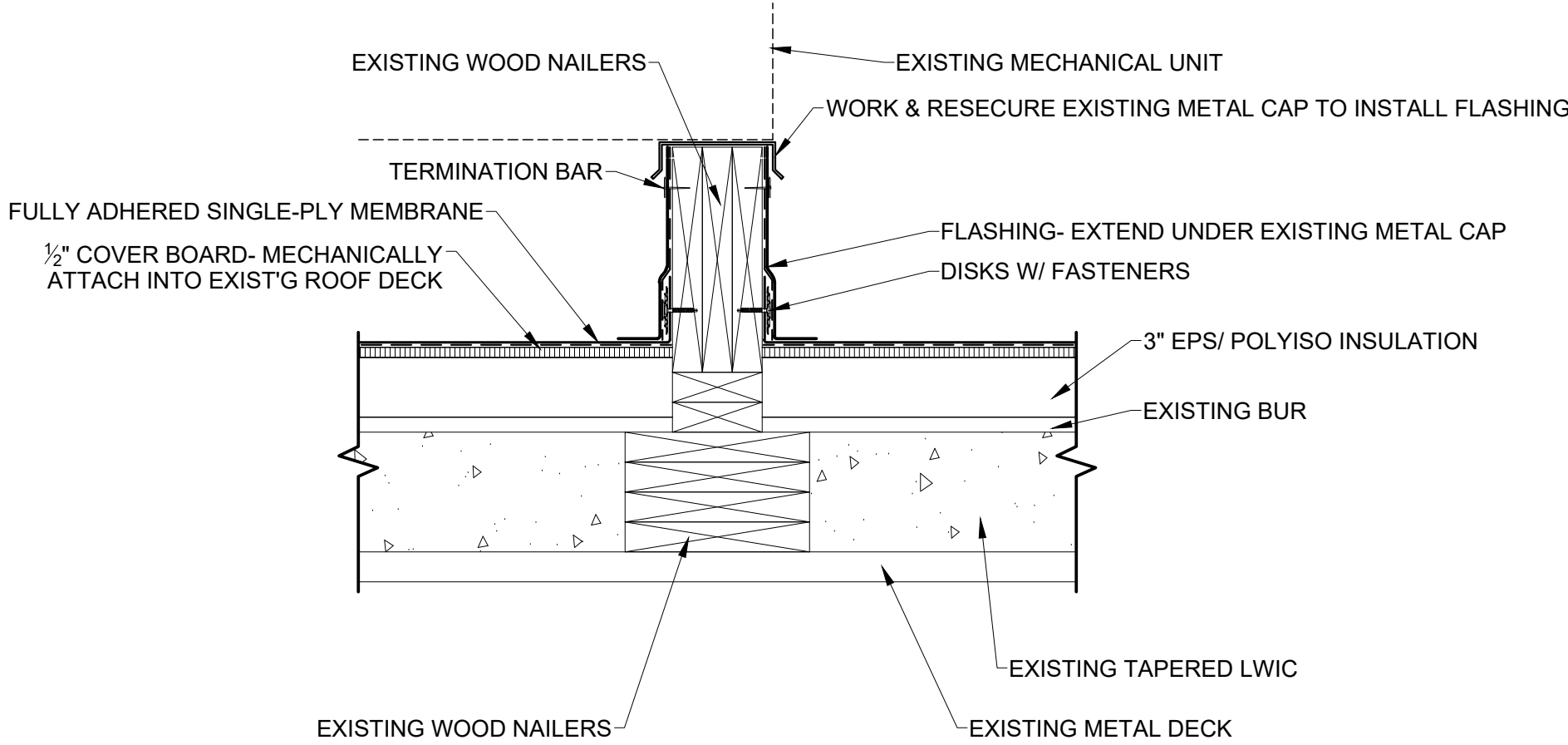
GUTTER EXPANSION JOINTS:
GUTTERS SHALL BE BOX STYLE SEAMLESS 0.032" ALUMINUM W/ EXPANSION JOINTS AT 50FT O/C MAX. HANGERS SHALL BE 1 1/2" WIDE 0.063" THICK 3105 ALLOY ALUMINUM AT 18" O/C, PER SMACNA

DOWNSPOUTS:
PROVIDE NEW 0.032" ALUMINUM PREFIN. DOWNSPOUTS. CONNECT TO SUB-GRADE STORM DRAINAGE SYSTEM. PROVIDE STANDOFF TYPE ATTACH TO STRUCTURE PROVIDING MIN 3/4" GAP BETWEEN BUILDING & DOWNSPOUT

COLOR:
PROVIDE SELECTION OF MANUFACTURER'S STANDARD COLORS - MATCH EXISTING METAL ROOFING

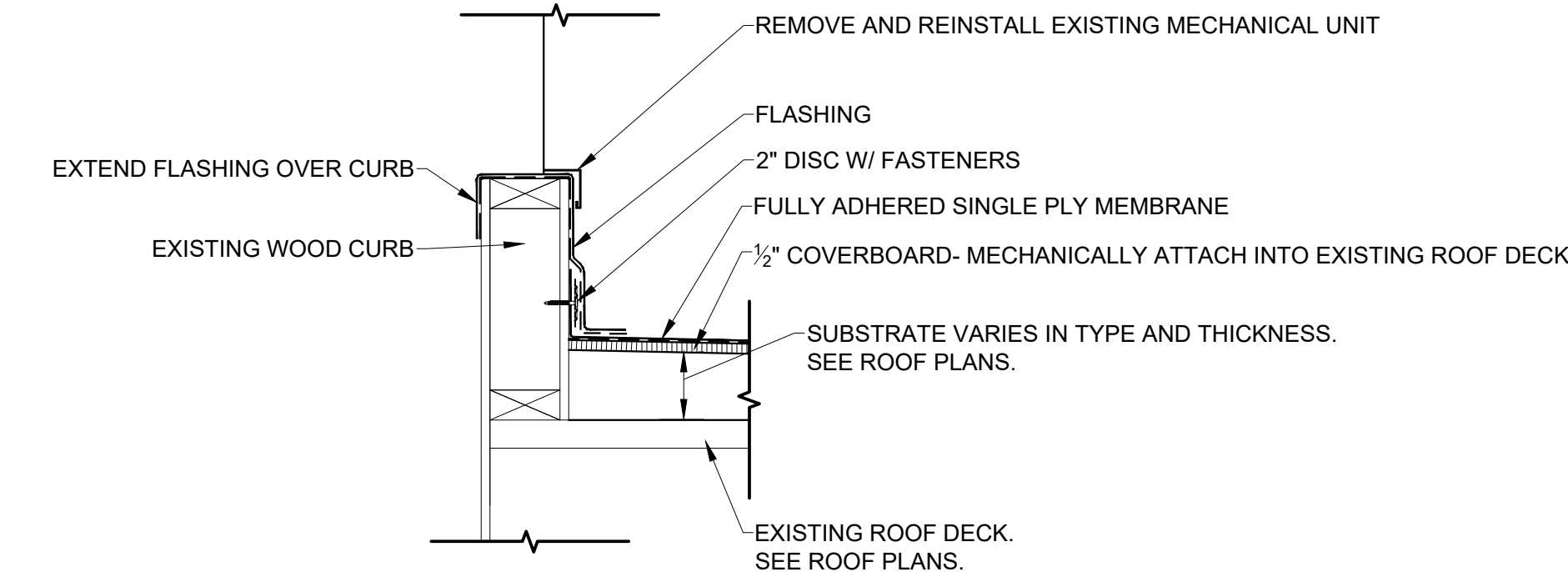


⑦ EXPANSION JOINT DETAIL @ GYM WALL
SCALE: 1 1/2" = 1'-0"



⑧ MECHANICAL SUPPORT CURB
SCALE: 1 1/2" = 1'-0"

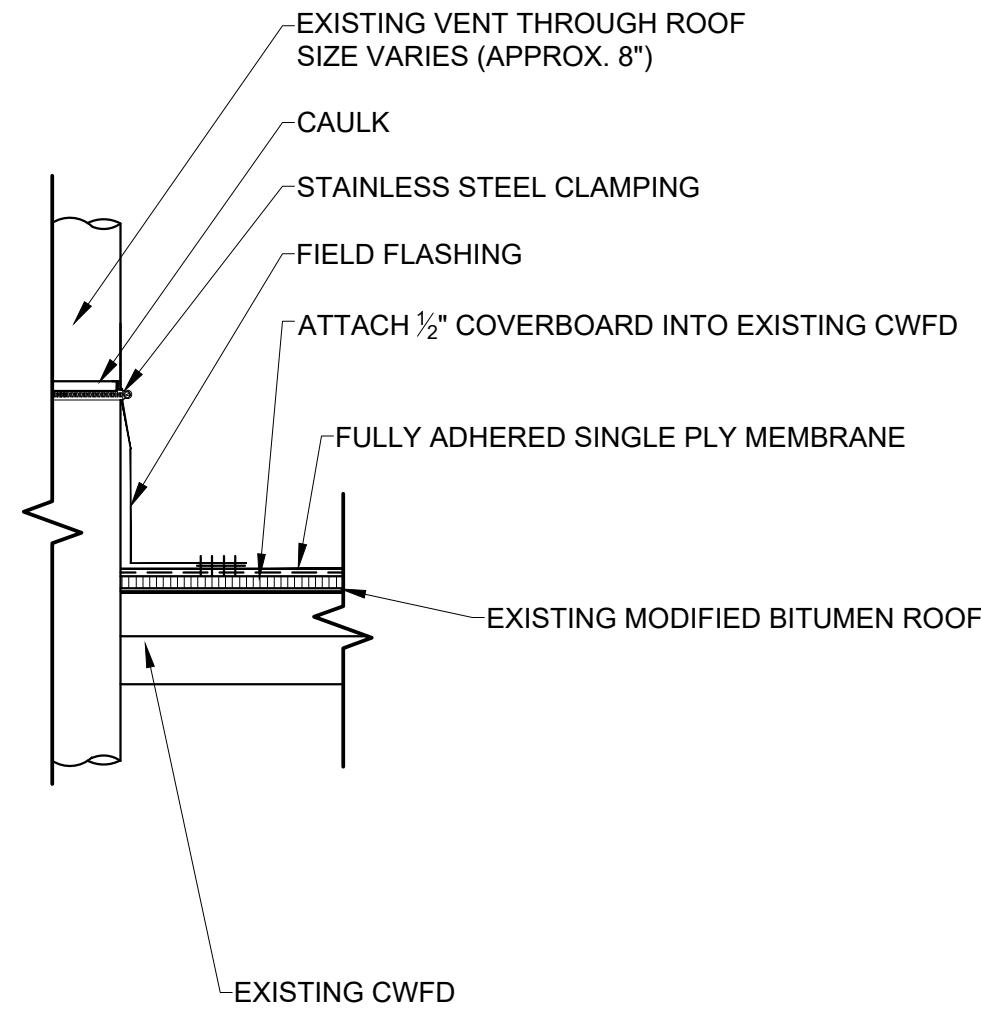
NOTES:
1. REMOVE EXISTING MEMBRANE FLASHING
2. REMOVE EXISTING ROOFING- SEE ROOFING PLAN FOR NOTES



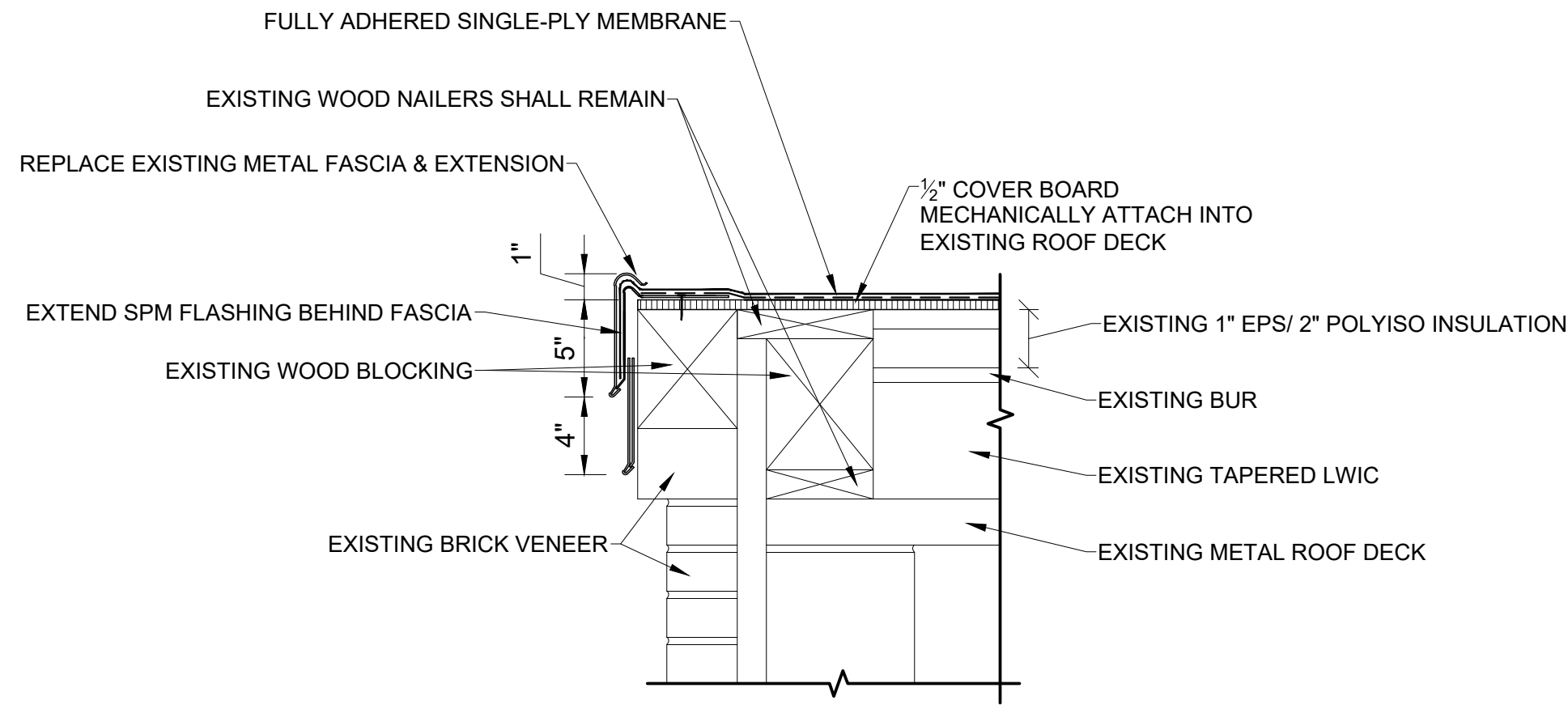
⑨ MECHANICAL CURB DETAIL
SCALE: 1 1/2" = 1'-0"

NOTES:
1. RAISE CURB TO 8" ABOVE ROOFING AT ANY LOCATION WHERE EXISTING CONDITION IS LESS THAN 8"
2. SEE ROOFING NOTES ON ROOF PLANS
3. ELECTRICAL CONTRACTOR SHALL BE REQUIRED TO DISCONNECT/ CONNECT MECHANICAL UNIT

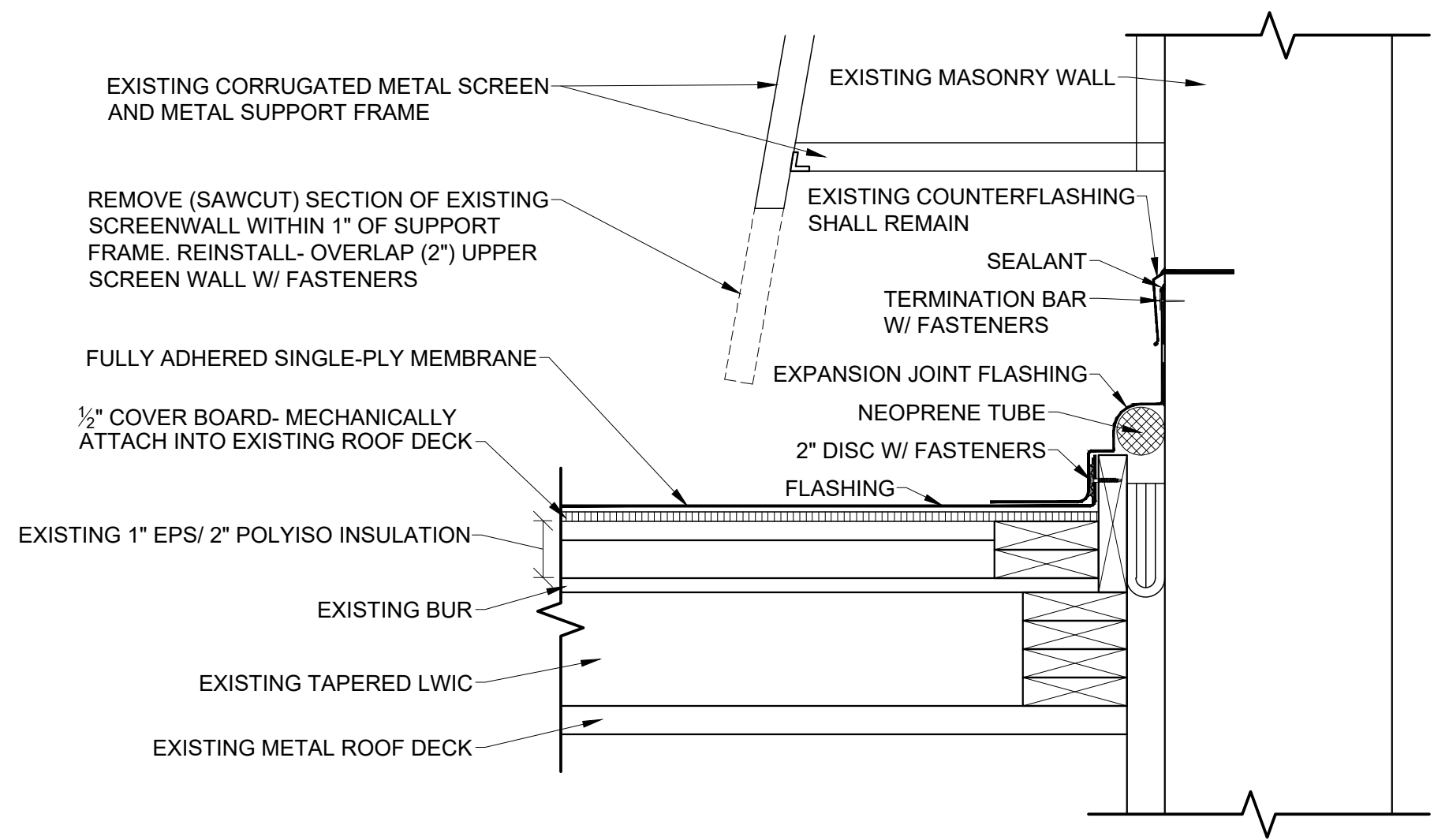
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① ROUND PIPE DETAIL
SCALE: 1/2" = 1'-0"



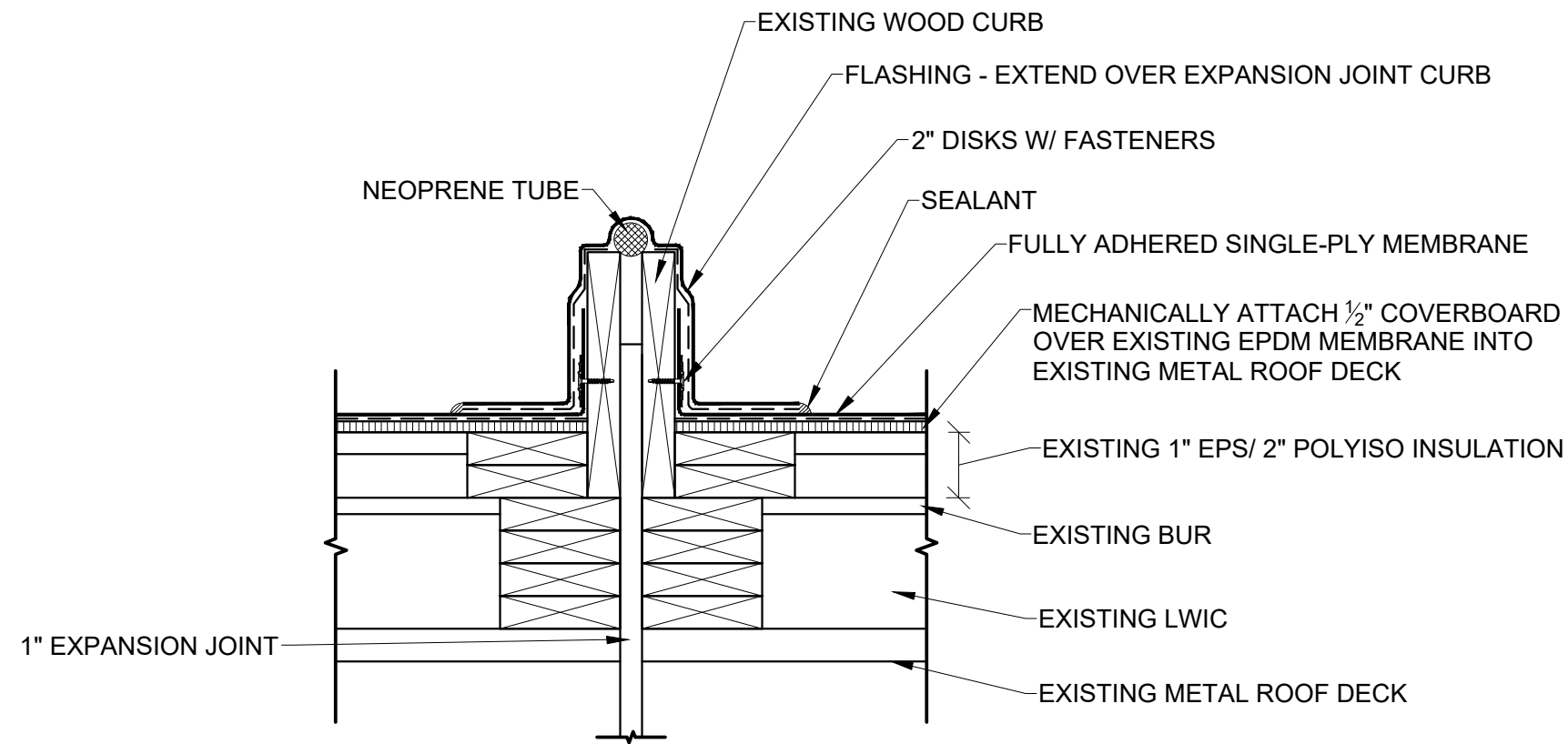
② ROOF EDGE TERMINATION
SCALE: 1/2" = 1'-0"



③ EXPANSION JOINT DETAIL @ GYM WALL
SCALE: 1/2" = 1'-0"

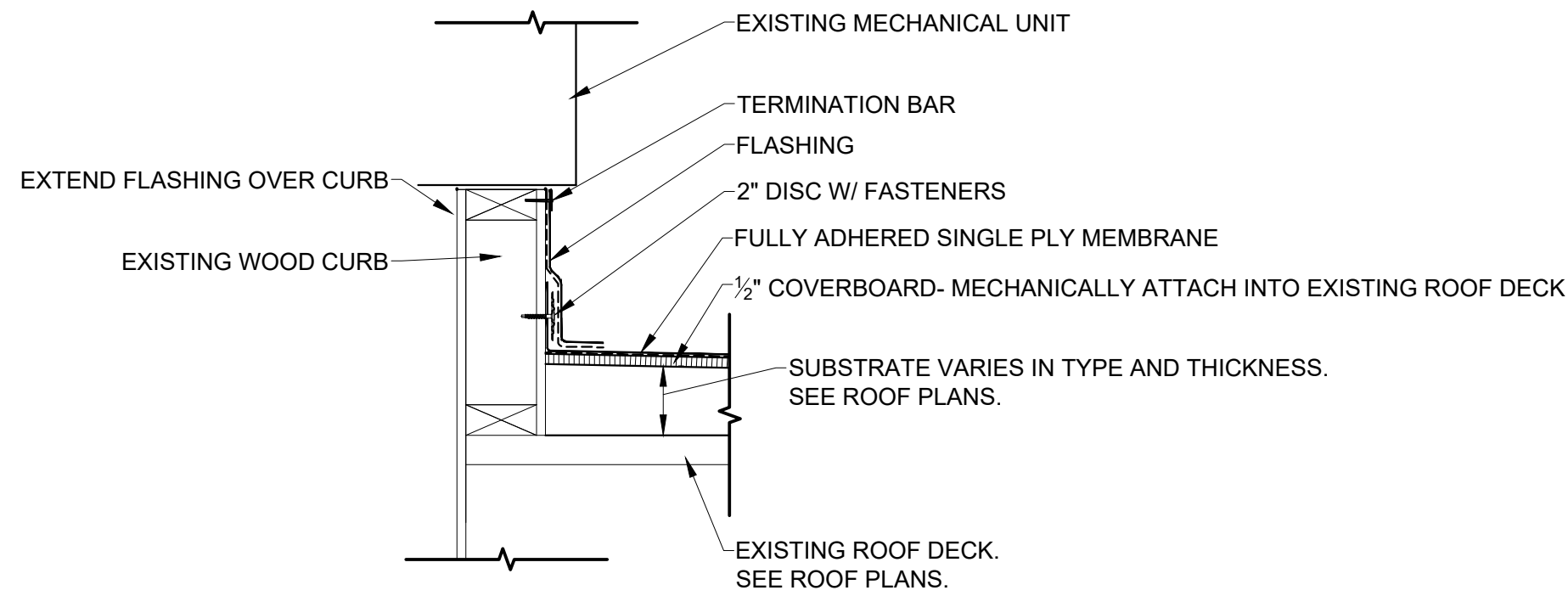
NOTE:
SEE DEMOLITION NOTE 2-A203

NOTES:
1. SEE DEMOLITION NOTE 2-A203
2. SIMILAR CONDITION- NO EXPANSION JOINT



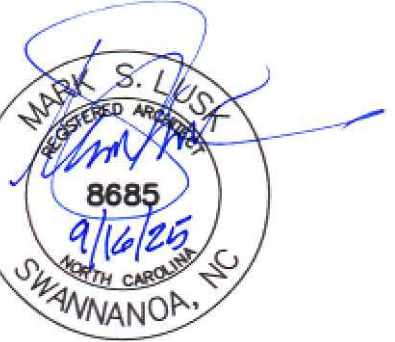
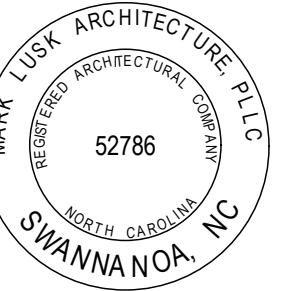
④ EXPANSION JOINT @ CURB
SCALE: 1/2" = 1'-0"

NOTES:
1. SEE ROOFING NOTES
2. REMOVE EXISTING CURB FLASHING



⑤ LARGE MECHANICAL CURB DETAIL
SCALE: 1/2" = 1'-0"

NOTE:
SEE ROOFING NOTE 2 ON ROOF PLANS



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DETAILS

A302