

RMT RMT ROOFING AND
WATERPROOFING
CONSULTANTS, INC.
410 SOVEREIGN COURT #18
MANCHESTER, MO 63011
(636)-391-2185

VARIOUS LOCATIONS - ROOF REPLACEMENTS

MARX (MELVIN H.) BUILDING, LEWIS & CLARK HALLS, VETERINARY MEDICINE EAST, TROWBRIDGE CENTER, 417 S. 5TH STREET

COLUMBIA, BOONE COUNTY, MISSOURI 65211

FOR: THE CURATORS OF THE
UNIVERSITY OF MISSOURI

DATE: DECEMBER 07, 2021

PROJECT NO.: CP220471

CODES AND STANDARDS

UM CONSULTANT
PROCEDURES AND DESIGN
GUIDELINES: CURRENT EDITION

- IBC: 2018
- IEBC: 2018
- IMC: 2018
- IPC: 2018
- IFC: 2018
- IFGC: 2018
- NEC: 2017
- NFPA 13: 2016
- NFPA 14: 2016
- NFPA 20: 2016
- NFPA 45: 2015
- NFPA 72: 2016
- NFPA 90A: 2015
- NFPA 96: 2017
- NFPA 99: 2012
- NFPA 101: 2015
- NFPA 110: 2016
- ASHRAE 90.1: 2016
- ASME A17.1: 2005
- ADA 2010

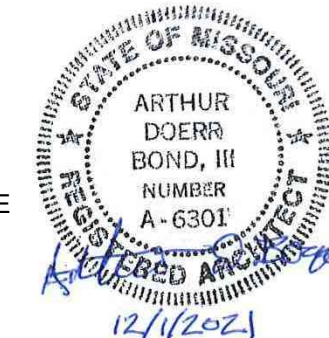
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A503	401 S. 5TH STREET ROOF DETAILS	Δ																	



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Arthur W. Bond III



PROJECT NOTES:

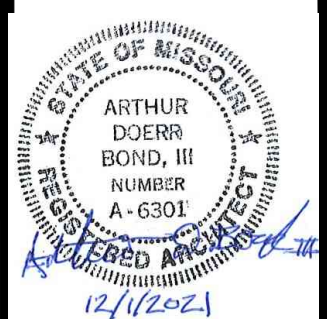
- ANY OPERATION WHERE HIGH LEVELS OF NOISE ARE EXPECTED ON THE CONSTRUCTION SITE WILL NEED TO BE COORDINATED AND APPROVED WITH THE OWNER'S REPRESENTATIVE AT LEAST 48 HOURS PRIOR TO THE WORK BEING INITIATED.
- DISCONNECTION OR INTERRUPTION OF ANY BUILDING SYSTEMS OR SERVICES MUST BE COORDINATED WITH OWNER'S REPRESENTATIVE AT LEAST 72 HOURS PRIOR TO WORK BEING PERFORMED, CONTRACTOR'S WORK SHALL BE CONTINUOUS UNTIL UTILITY IS RESTORED.
- AREAS NOT UNDER CONSTRUCTION SHALL BE MAINTAINED FOR PUBLIC ACCESS AND CIRCULATION. CONTRACTOR SHALL PROVIDE TEMPORARY LIGHTS AND MAINTAIN TEMPERATURE AND HUMIDITY CONTROL WITHIN THE WORK AREA DURING THE CONSTRUCTION OF THE PROJECT AS DIRECTED BY OWNER'S REPRESENTATIVE AND AS REQUIRED FOR THE SAFETY AND SECURITY OF THE PUBLIC.
- CONTRACTOR SHALL MAINTAIN AND KEEP ALL EXISTING MEANS OF EGRESS BARRIER-FREE.
- CONTRACTOR SHALL MAINTAIN AND PROTECT THE EXISTING CONDITIONS IN THE WORK AREA UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL TAKE PHOTOGRAPHS OF INTERIOR AND EXTERIOR AREAS DOCUMENTING EXISTING CONDITIONS BEFORE PROCEEDING WITH THE WORK. ANY DAMAGE DONE TO EXISTING CONDITIONS DURING CONSTRUCTION SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE WITHOUT ADDITIONAL COST THE THE OWNER.
- EVERY DIMENSION THAT IS DIRECTLY OR INDIRECTLY RELATED TO EXISTING CONDITIONS OR CONSTRUCTION SHALL BE CAREFULLY MEASURED AND COORDINATED WITH ADJACENT CONDITIONS. CONTRACTOR SHALL REPORT DISCREPANCIES, EXISTING CONDITIONS AND THE CONTRACT DOCUMENTS TO THE OWNER'S REPRESENTATIVE AND/OR ARCHITECT PRIOR TO BEGINNING THE WORK.
- CONTRACTOR SHALL CONTAIN ALL CONSTRUCTION ACTIVITY, INCLUDING STORAGE OF MATERIAL AND EQUIPMENT, WITHIN THE CONSTRUCTION LIMITS.
- CONTRACTOR SHALL PROVIDE TEMPORARY DIRECTIONAL SIGNAGE AS WELL AS CONSTRUCTION SIGNAGE NOTIFYING THE PUBLIC OF CONSTRUCTION LIMITS, AS NEEDED.
- CONTRACTOR SHALL SECURE AND PROTECT THE WORK AREA AT THE END OF EACH DAY.

PROJECT NOTES: CONTINUED

- CONTRACTOR SHALL MAKE ALLOWANCES FOR AMPLE EXPANSION AND CONTRACTION FOR ELECTRICAL, STRUCTURAL AND OTHER BUILDING COMPONENTS SUBJECT TO SUCH MOVEMENT, INSTALL SLEEVES, RECESSES AND OPENING IN THE WORK TO RECEIVE MATERIALS INSTALLED BY OTHER TRADES.
- CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE MEANS, METHODS AND SEQUENCES OF CONSTRUCTION AND THE SAFETY OF CONSTRUCTION PERSONNEL AND AUTHORIZED VISITORS.
- NOT STANDING, STAGING OR PARKING IN FIRE LANE. ACCESS OF LIMITED FOR STOCKING AND HAUL-OFF. ALL LOADING AND HAUL-OFF ACTIVITY WILL BE DAILY; NO HOURLY LIMIT ON STOCKING AND HAUL-OFF HOURS.

LANDSCAPE NOTES:

- VEHICLES ARE TO USE DESIGNATED CONSTRUCTION ENTRANCES AS INDICATED ON DRAWINGS OR CONSTRUCTION DOCUMENTS. IF NO CONSTRUCTION ROUTE IS INDICATED VEHICLES ARE RESTRICTED TO SIDEWALKS OR PAVED AREAS. ALL CONSTRUCTION EQUIPMENT AND VEHICLES SHALL VERIFY THE WEIGHT LIMIT AND RESTRICTION ON PAVEMENT PRIOR TO CONSTRUCTION AND NOTIFY OWNER'S REPRESENTATIVE OF THE PLANNED ROUTE.
- THERE SHALL BE NO VEHICLE MOVEMENT IN ANY LANDSCAPED, SHRUB OR PERENNIAL AREAS, MULCH BED AND/OR TREE CANOPY DRIP AND ROOT ZONES, WITHOUT PRIOR NOTIFICATION AND APPROVAL FROM LANDSCAPE SERVICES. LANDSCAPE SERVICES REQUIRES ONE WEEK NOTICE PRIOR TO ANY VEHICLE MOVEMENT IN THESE AREAS.
- WHERE ACCESS TO BUILDING REQUIRES CROSSING TURF, MULCH AREAS, TREE ROOT SYSTEMS, TREE CANOPY ZONES, OR IRRIGATION SYSTEMS, THE CONTRACTOR SHALL USE ALTERNAMATS BY DICA OR APPROVED EQUAL.
- VEHICLE ACCESS SHALL NOT BREAK OR RUB TREE BRANCHES. OWNER WILL PRUNE TREE BRANCHES TO PROVIDE CLEARANCE AROUND BUILDING ENTRANCE. OWNER REQUIRES ONE WEEK'S NOTICE FOR THIS WORK TO BE DONE.
- DO NOT COMPACT GRADE WITHIN THE DRIP LINE OF TREES. PROVIDE APPROVED FENCING TO PREVENT DRIVING OR EQUIPMENT PARKING WITHIN DRIP LINE OF TREES. PRIOR TO CONSTRUCTION OR WORK IN THE PROJECT AREA, MU'S CAMPUS STANDARD 6' CHAIN LINK FENCE AND POSTS SHALL BE USED UNLESS OTHERWISE NOTED AND/OR APPROVED BY LANDSCAPE SERVICES.



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		DRAWN BY: JJG

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RMT ROOFING AND WATERPROOFING CONSULTANTS, INC.
 410 SOWERBEN COURT #18
 MANCHESTER, MO 63011
 (636)-391-2155

**VARIOUS LOCATIONS - ROOF REPLACEMENTS
 MARX (MELVIN H.) BUILDING
 COLUMBIA, BOONE COUNTY, MISSOURI, 65211
 DEMOLITION PLAN**

PROJECT NUMBER
CP220471

SHEET
A101 of 17

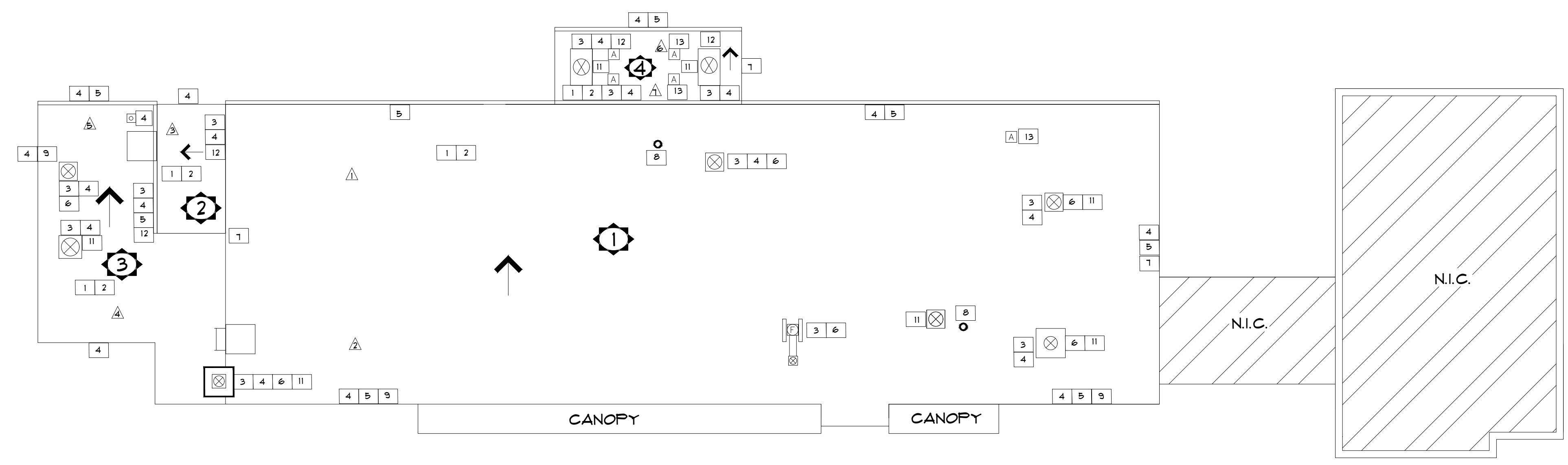
EXISTING ROOF CONSTRUCTION:

- CORE 1: CONCRETE, VB, 4" EPS, 1/2" HD FIBERBOARD, EPDM
- CORE 2: CONCRETE, VB, 5" EPS, 1/2" HD FIBERBOARD, EPDM
- CORE 3: METAL, 15' POLY ISO, EPDM
- CORE 4: CONCRETE, VB, 8" EPS, 1/2" HD FIBERBOARD, EPDM
- CORE 5: CONCRETE, VB, 2 1/2" EPS, 1/2" HD FIBERBOARD, EPDM
- CORE 6: CONCRETE, VB, 4 3/4" EPS, 1/2" HD FIBERBOARD, EPDM
- CORE 7: CONCRETE, VB, 1 1/2" EPS, 1/2" HD FIBERBOARD, EPDM

DEMOLITION NOTES:

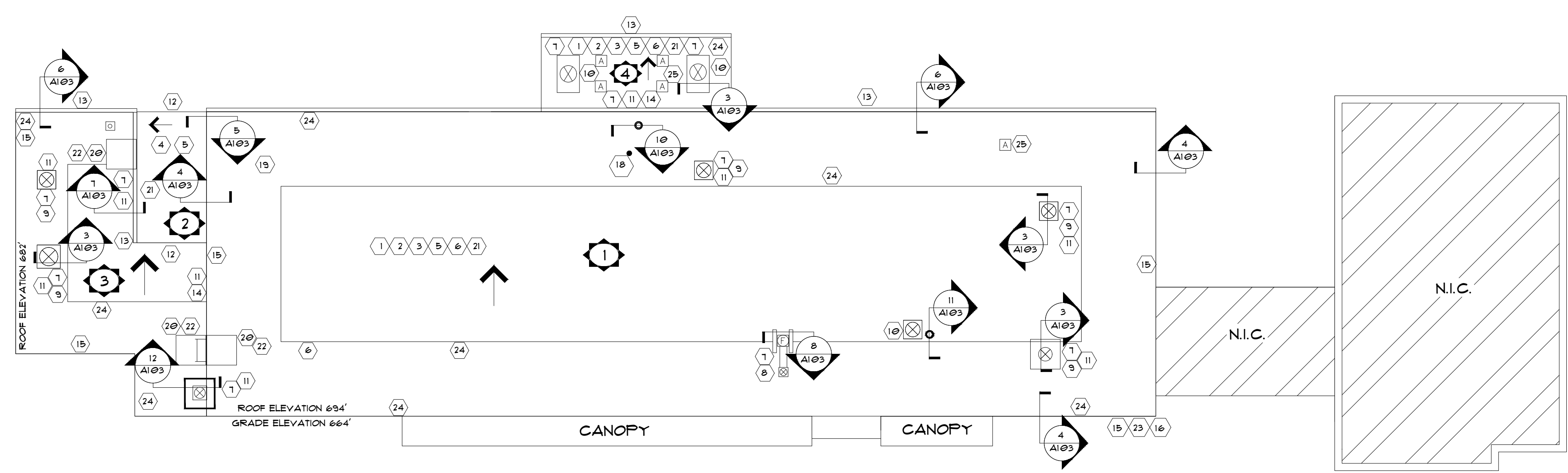
1. REMOVE ROOF DOWN TO SUBSTRATE.
2. REMOVE VAPOR BARRIER.
3. REMOVE ALL ROOFING RELATED FLASHING.
4. REMOVE ASSOCIATED SHEET METAL DETAILS.
5. REMOVE GUTTERS AND ASSOCIATED COMPONENTS.
6. EXISTING CURB MOUNTED EQUIPMENT TO REMAIN.
7. REMOVE SURROUNDING FLASHING.
8. EXISTING PLUMBING VENTS TO REMAIN.
9. REMOVE TOP LAYER OF PERIMETER FLASHING ONLY.
10. REMOVE ABANDONED CONDUIT FROM ROOF CURB, WRAP WITH PLYWOOD, AND FLASH.
11. REMOVE STATIC VENTS, SET ASIDE FOR REINSTALLATION.
12. REMOVE SURFACE MOUNTED TERMINATION BAR.
13. REMOVE FLASHING FROM ALL ABANDONED CURBS.

- 1 5,515 S.F. IN AREA
- 2 165 S.F. IN AREA
- 3 741 S.F. IN AREA
- 4 242 S.F. IN AREA

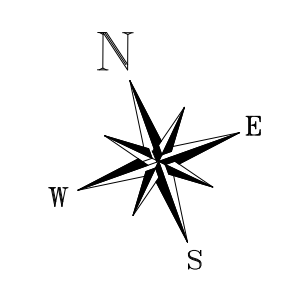


LEGEND	
	STATIC VENT
	DEMOLITION KEY NOTE
	ROOF DRAIN
	DOMED VENTILATOR
	SOIL STACK
	CORE EXTRACTION
	AIR INTAKE UNITS
	ROOF AREA IDENTIFIER
	PITCH PAN
	ABANDOND CURB
	SCUPPER
	SKYLIGHT
	HEAT STACK

1 DEMOLITION PLAN
 A101 SCALE: 3/32" = 1'



1 RENOVATION PLAN
 A102 SCALE: $\frac{3}{32}'' = 1'$



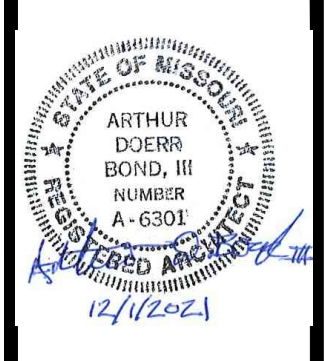
RENOVATION NOTES:

1. INSTALL NEW ROOF SYSTEM ASSEMBLY.
2. PRIME ROOF DECK AND INSTALL SELF ADHERED (6A) VAPOR BARRIER.
3. INSTALLATION OF ONE LAYER OF 1.5" POLYISO FOLLOWED BY THE INSTALLATION OF 1/2"-12" TAPERED POLYISO W/ LOW RISE FOAM ADHERED TO VB WITH FM 1-105 RIBBON METHOD.
4. ROOF SECTION 2: INSTALLATION OF ONE LAYER OF 1.5" POLY ISO MECHANICALLY FASTENED PER FM 1-105 REQUIREMENTS.
5. WITH LOW RISE FOAM, INSTALL 1/2" HIGH DENSITY COVER BOARD ADHERED WITH FM 1-105 RIBBON METHOD TO TOP LAYER OF INSULATION.
6. INSTALL 1/2"-12" TAPERED POLYISO CRICKETS PRIOR TO THE INSTALLATION OF COVER BOARD.
7. APPLY DOUBLE SIDED BUTYL TAPE BELOW THE INSTALLATION OF TERMINATION BAR AND OR SURFACE MOUNTED COUNTER FLASHING.
8. INSTALL STAINLESS STEEL PITCH FANS W/2 PART SEALANT.
9. RAISE CURBS TO FACILITATE 6" FLASHING HEIGHT.
10. REINSTALL STATIC VENTS.
11. INSTALLATION OF 26 GA. SURFACE MOUNTED COUNTERFLASHING.
12. INSTALLATION OF 26 GA. DRIP EDGE.
13. INSTALLATION OF NEW 26 GA. 6" GUTTER.
14. APPLY DOW 790 SEALANT TO CAULK RECEIVER ON THE TOP OF THE COUNTER FLASHING DETAIL TO INTERFACE WITH WALL TOOL SMOOTH.
15. INSTALLATION OF FIELD FABRICATED METAL FASCIA EDGE SYSTEM.
16. REPAIR EXISTING SHEET METAL FASCIA WHEREVER POSSIBLE.
17. REWORK ALL CAULK RELATED SEALANTS WITH DOW 790 SEALANT ON FLASHING RELATED DETAILS AND OR MASONRY TRANSITIONS.
18. INSTALLATION OF NEW SHEET METAL HEAT STACK.
19. INSTALLATION OF PLUMBING STACK FLASHING.
20. INSTALL 4'x8'x1/2" PLYWOOD AT ALL DOOR EGRESSSES, LADDER ACCESSES AND STAIRS.
21. INSTALLATION OF 60ML EPDM ROOF SYSTEM TO ACHIEVE A 20 YEAR NDL WARRANTY.
22. INSTALLATION OF NEW WALK PADS AT DOORS AND ALL ROOF TOP EGRESSSES.
23. INSTALL NEW SHEET METAL SKIRT FLASHING TO REPLACE EXISTING DAMAGED SKIRT FLASHING.
24. YELLOW WARNING LINE 10' FROM PERIMETER.
25. INSTALL MEMBRANE FLASHING AROUND ALL ABANDONED CURBS

- 1 5,515 S.F. IN AREA
- 2 165 S.F. IN AREA
- 3 141 S.F. IN AREA
- 4 242 S.F. IN AREA

LEGEND

	STATIC VENT
	RENOVATION KEY NOTE
	ROOF DRAIN
	DOMED VENTILATOR
	SOIL STACK
	CORE EXTRACTION
	AIR INTAKE UNITS
	ROOF AREA IDENTIFIER
	PITCH FAN
	ABANDOND CURB
	SCUPPER
	SKYLIGHT
	HEAT STACK



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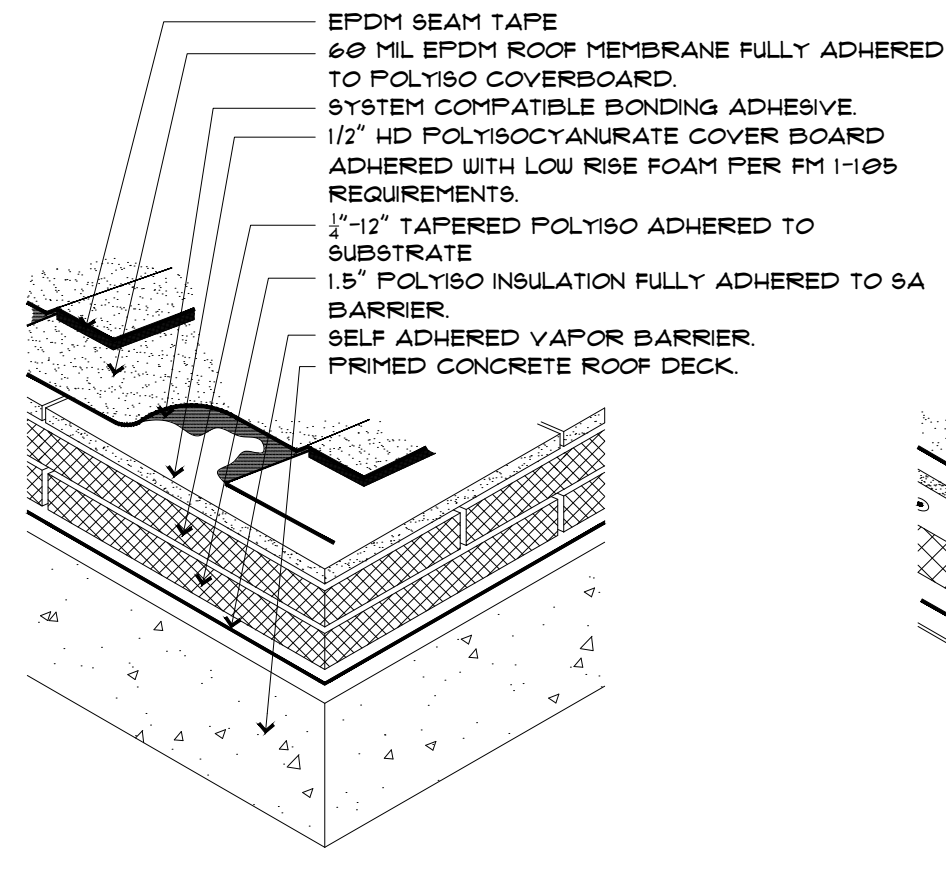
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 MANCHESTER, MO 63011
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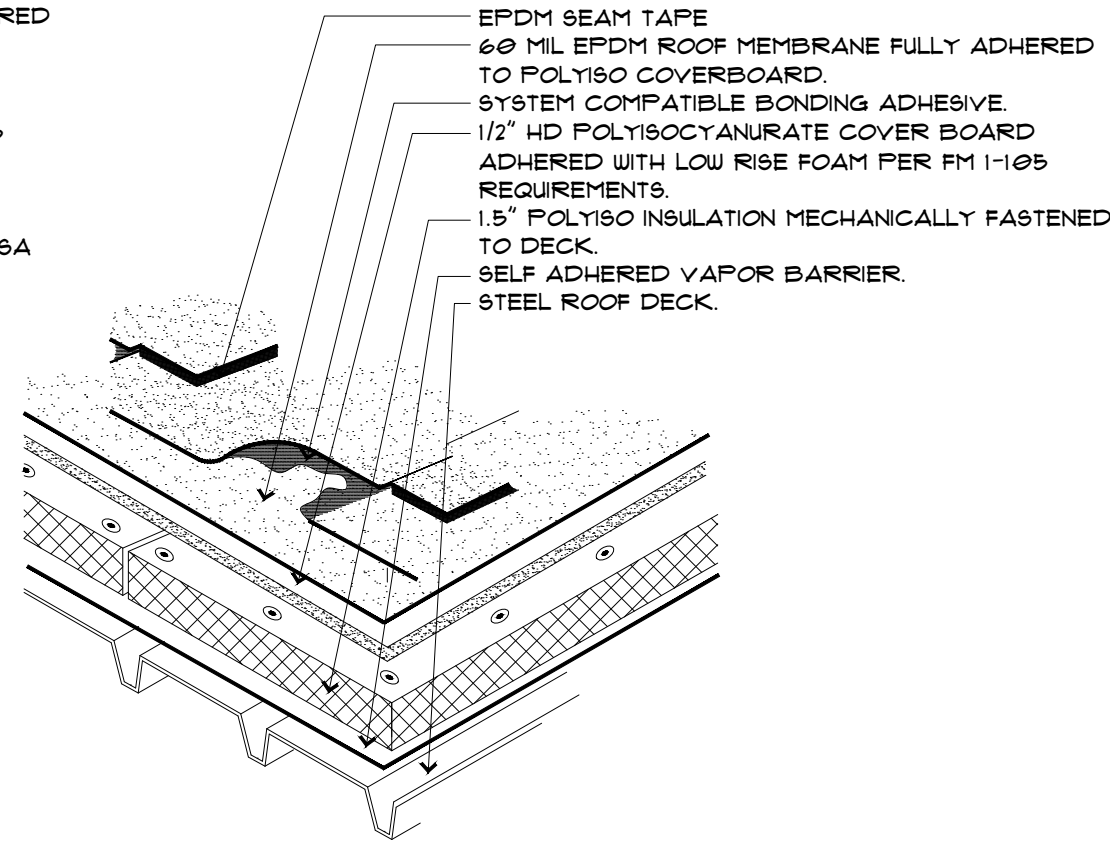
VARIOUS LOCATIONS - ROOF REPLACEMENTS
 MARX (MELVIN H.) BUILDING
 COLUMBIA, BOONE COUNTY, MISSOURI, 65211
 RENOVATION PLAN

PROJECT NUMBER
 CP220471

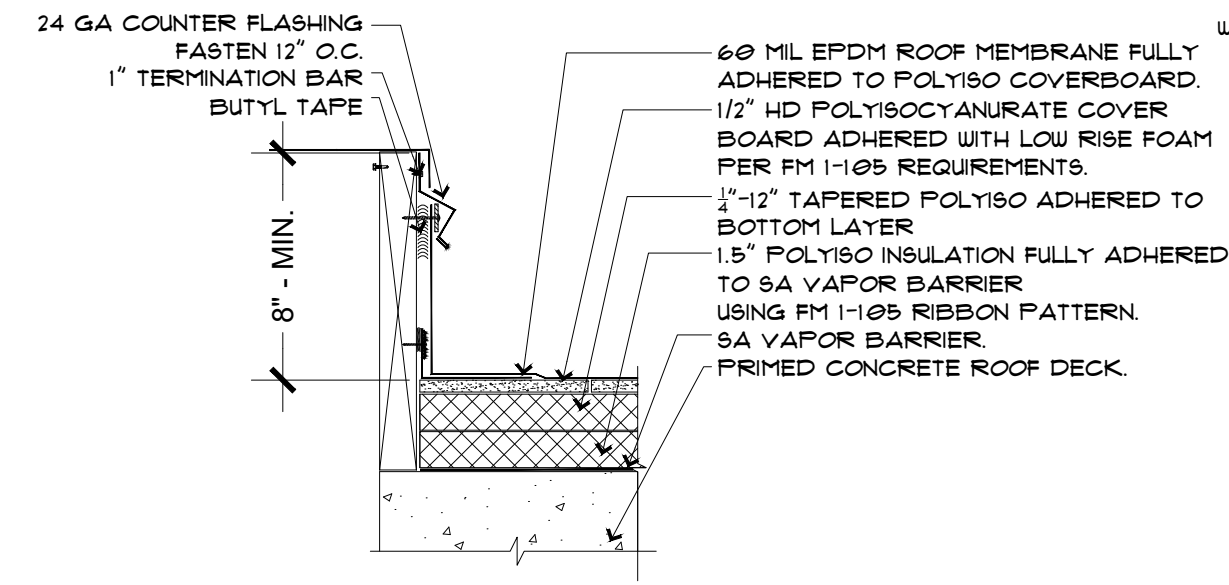
SHEET
 A102 of 17



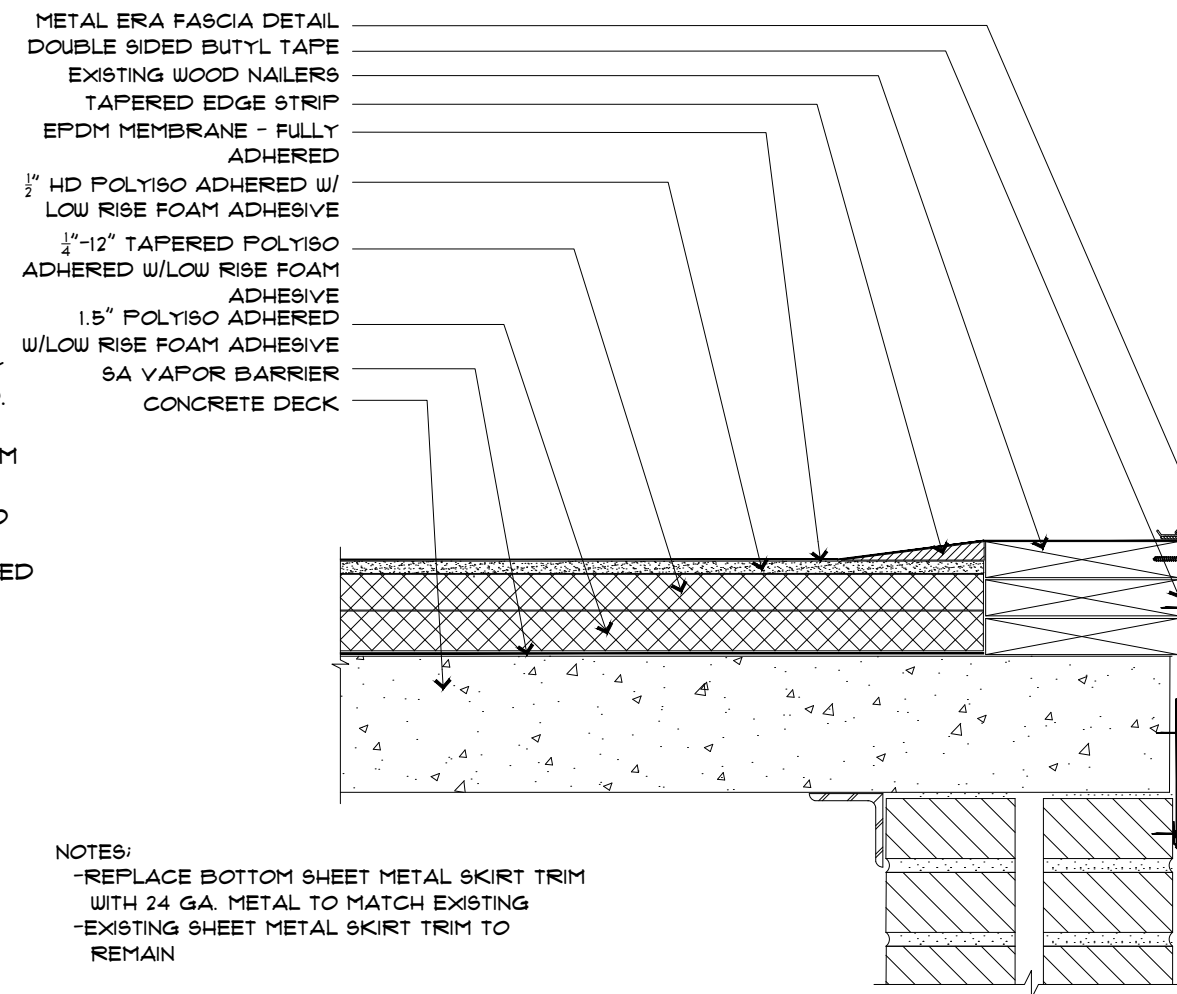
1 MARX FIELD SECTION (1,3,4)
A103 SCALE: 1/2" = 1'



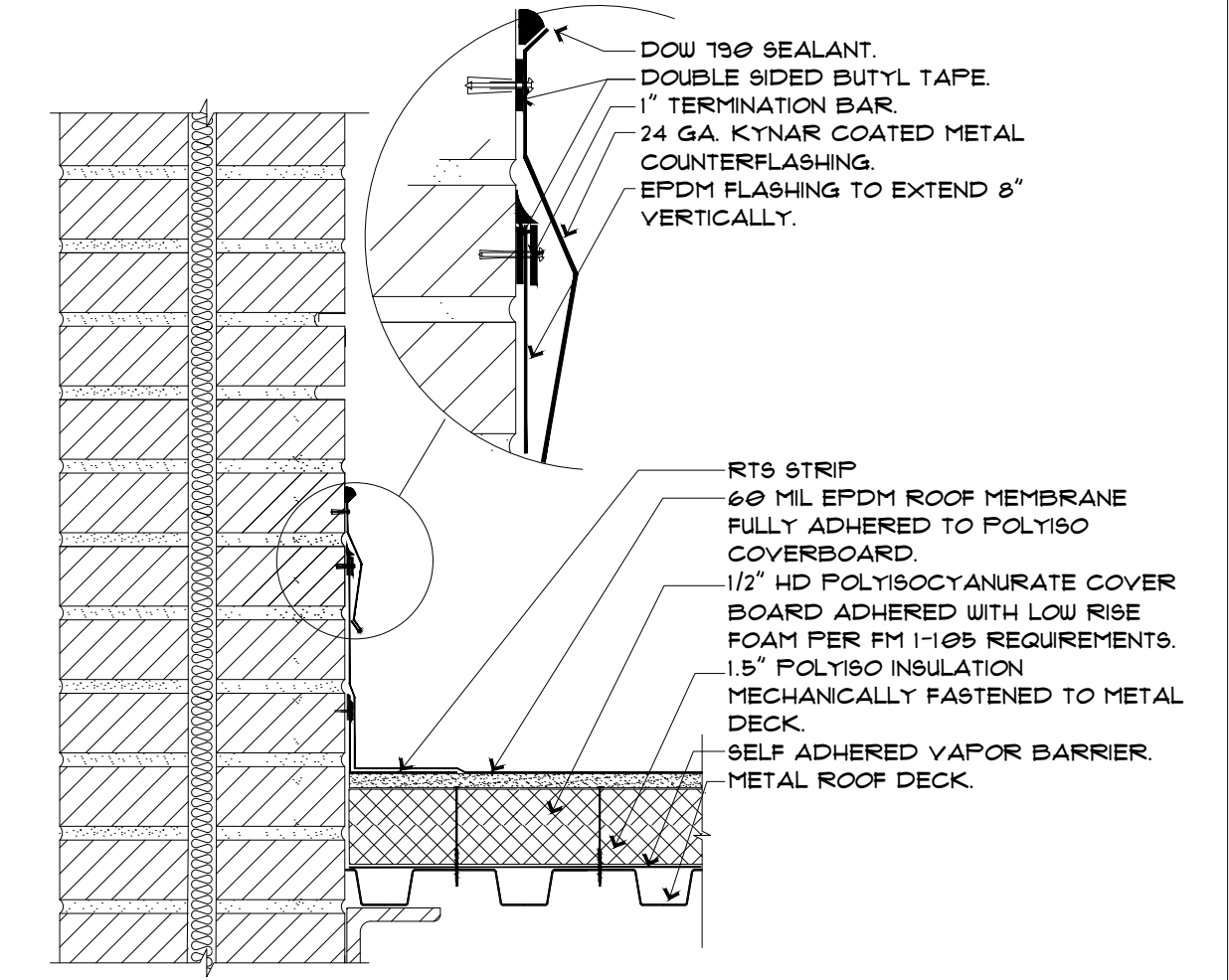
2 MARX FIELD SECTION (2)
A103 SCALE: 1/2" = 1'



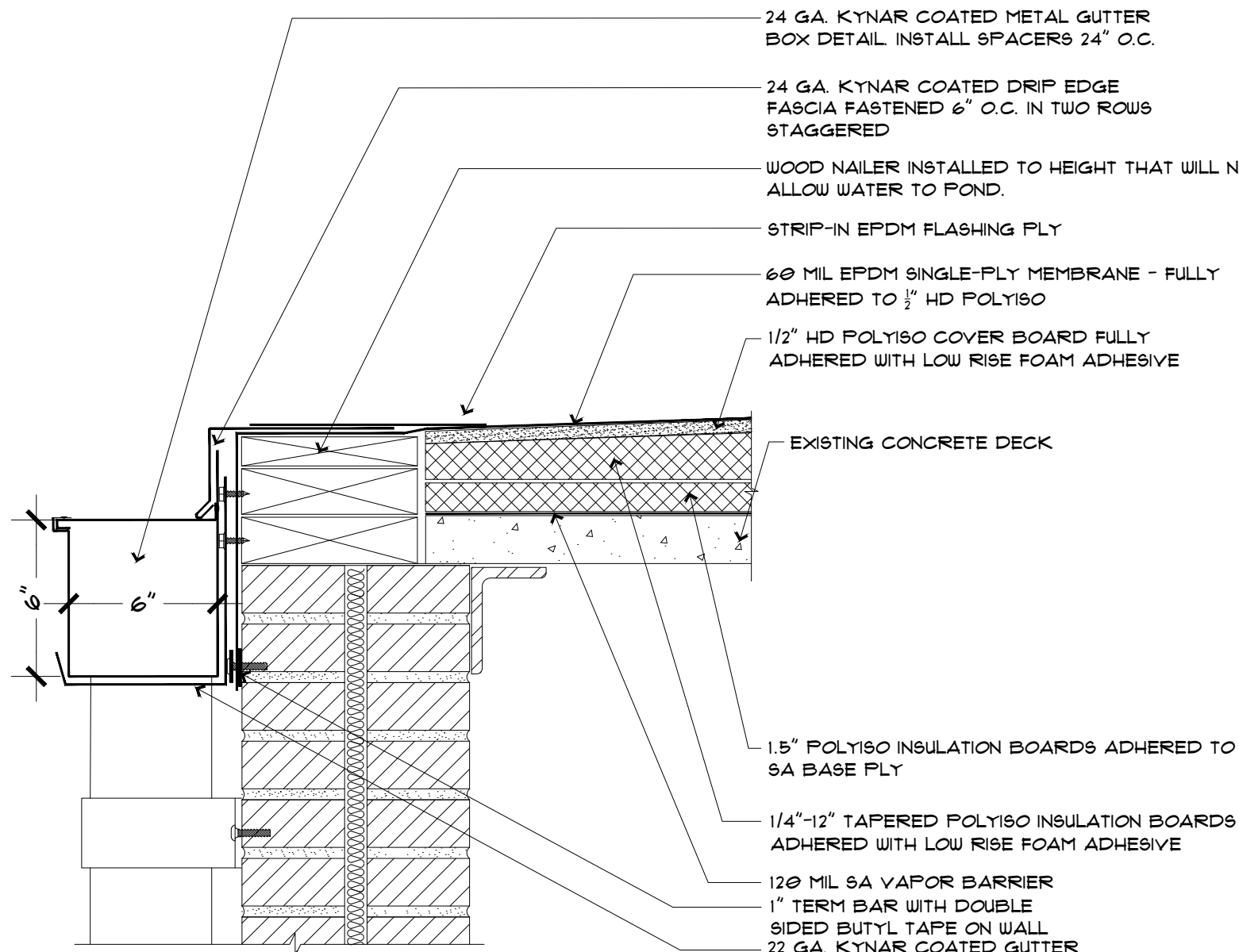
3 CURB FLASHING DETAIL
A103 SCALE: 1/2" = 1'



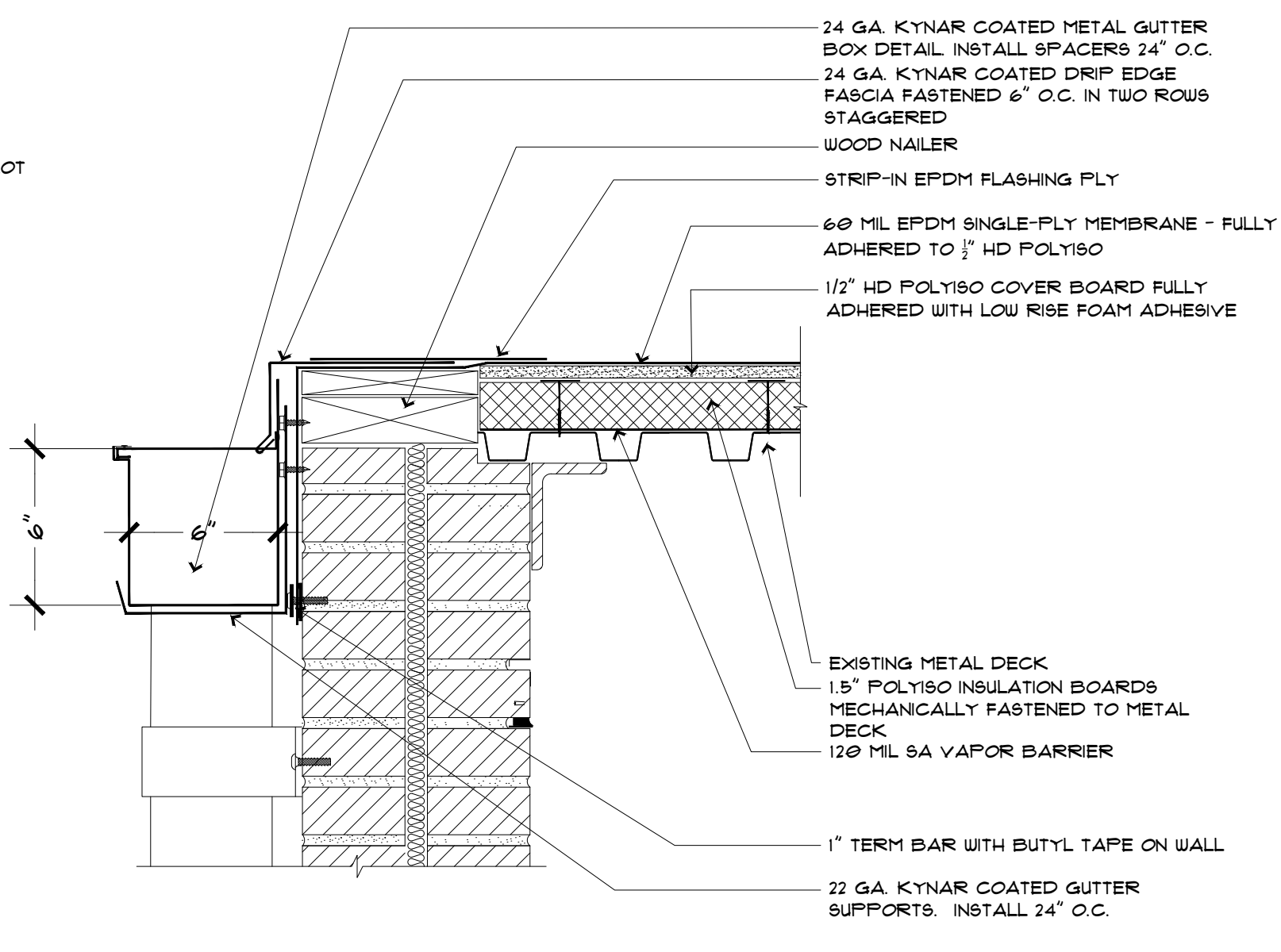
4 PERIMETER EDGE
A103 SCALE: 1/2" = 1'



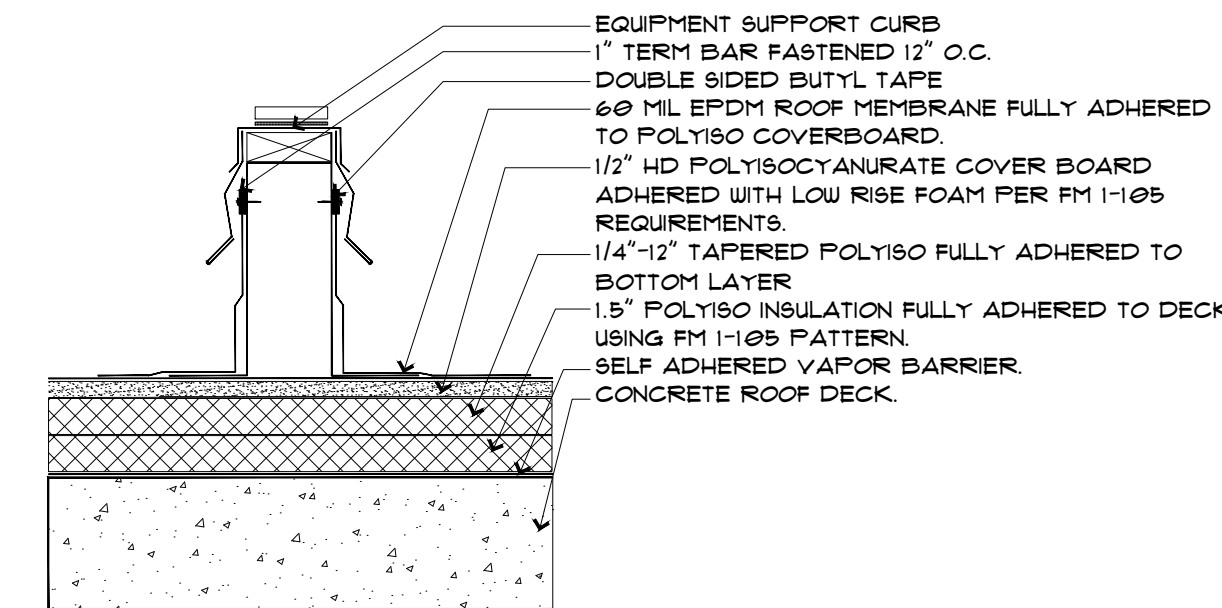
5 WALL DETAIL
A103 SCALE: 1/2" = 1'



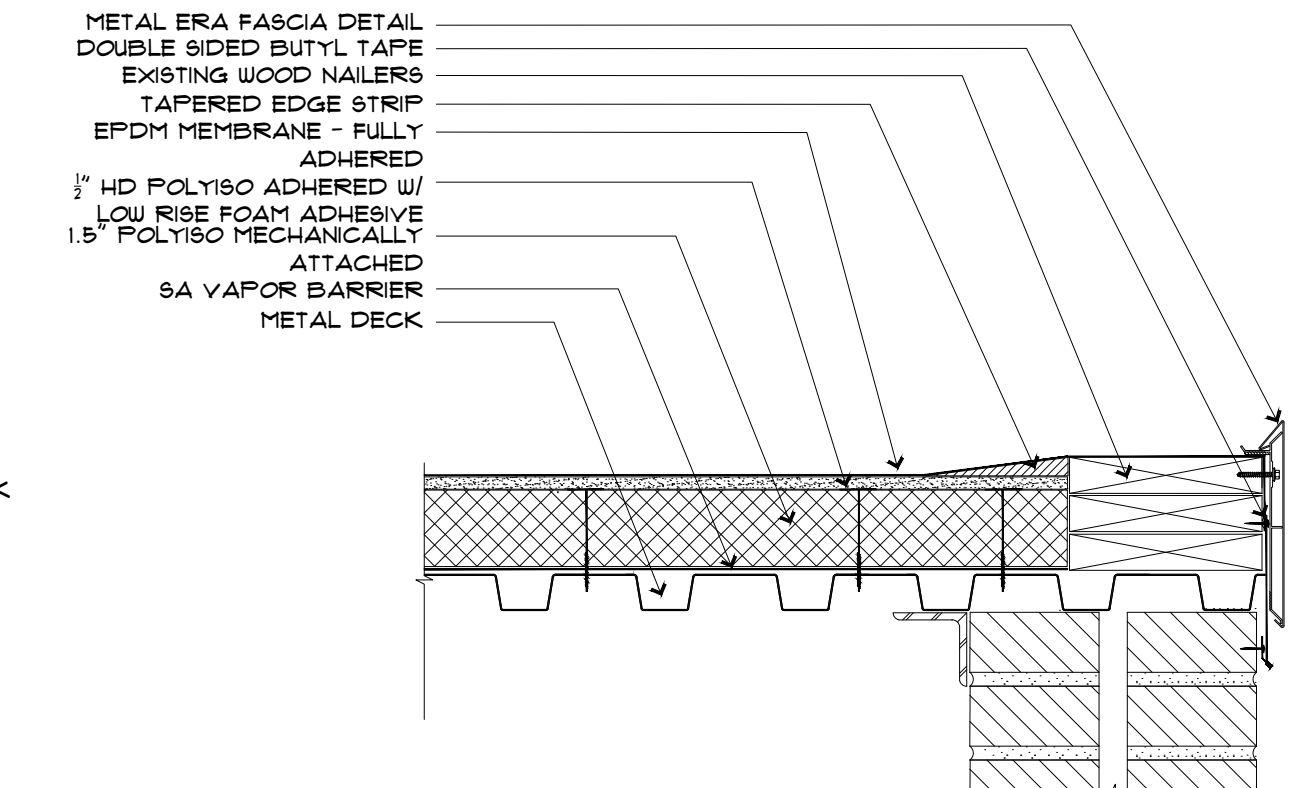
6 GUTTER FLASHING DETAIL
A103 SCALE: 1/2" = 1'



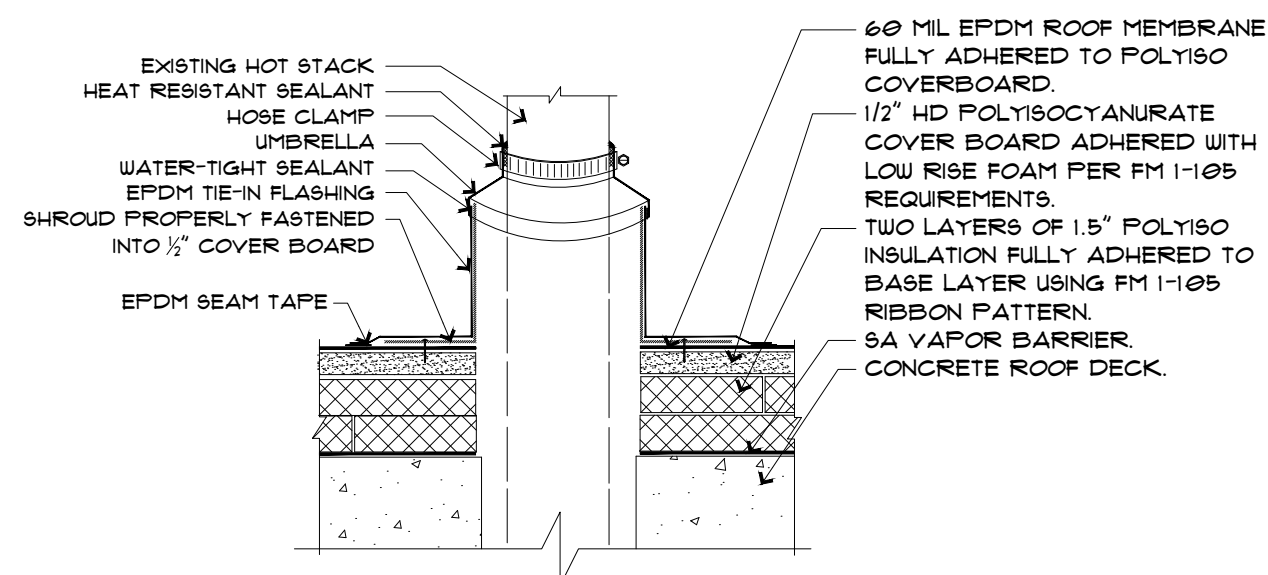
7 GUTTER FLASHING DETAIL
A103 SCALE: 1/2" = 1'



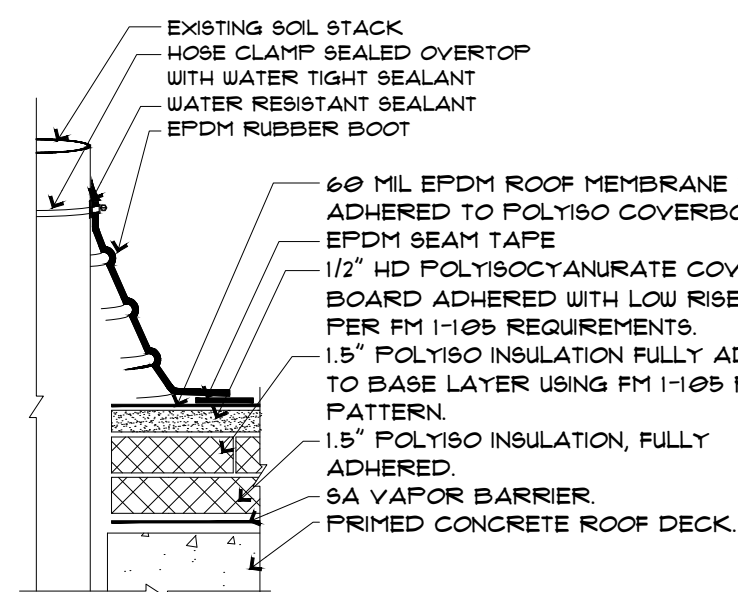
8 EQUIPMENT SUPPORT FLASHING
A103 SCALE: 1/2" = 1'



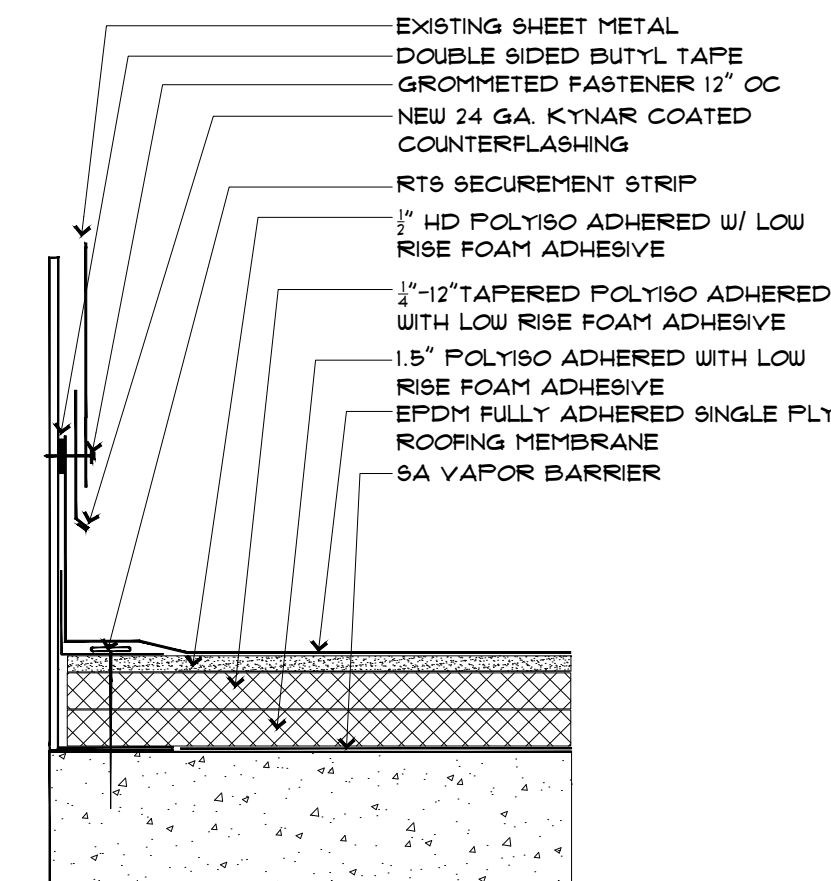
9 MARX PERIMETER EDGE
A103 SCALE: 1/2" = 1'



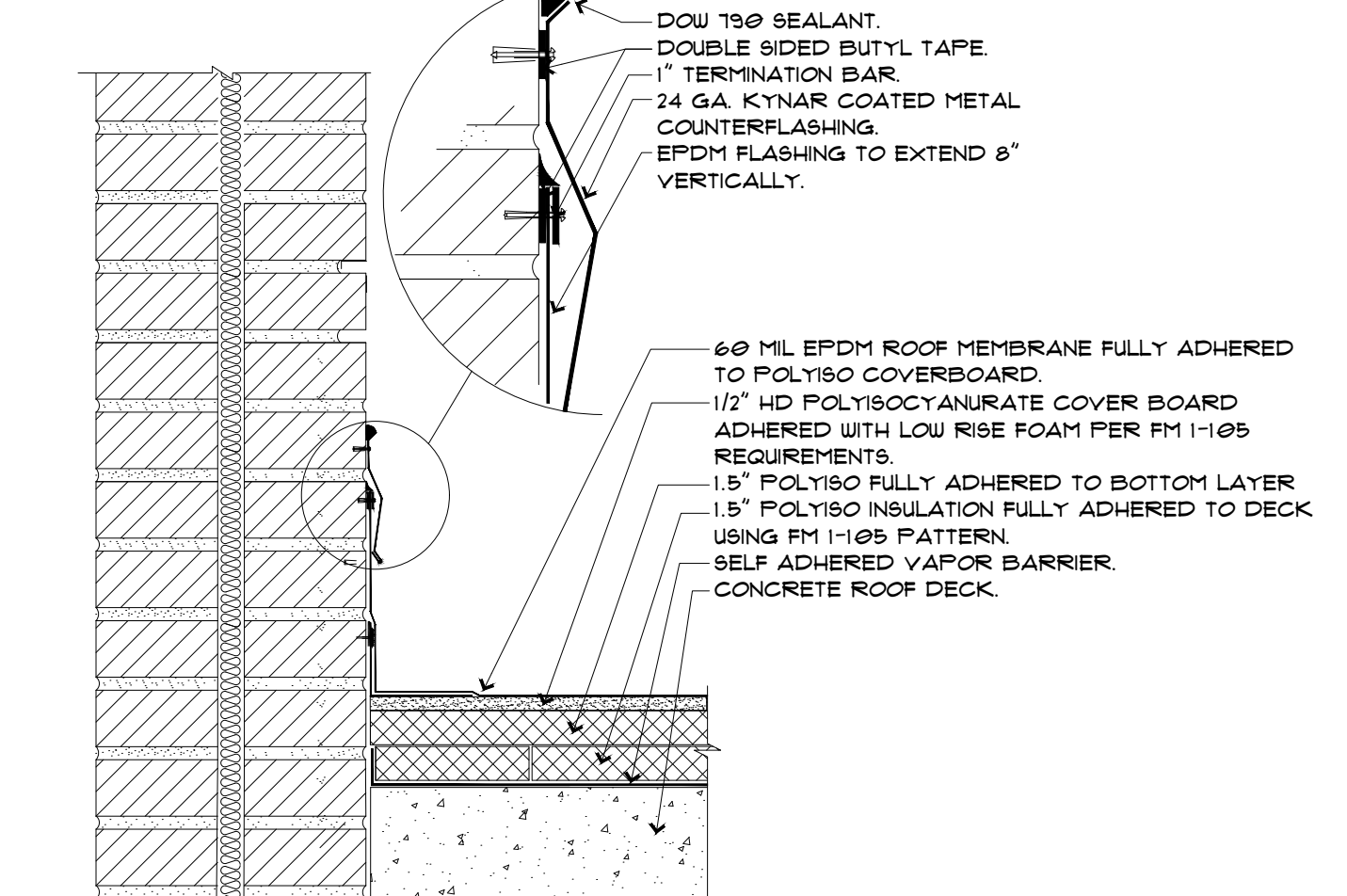
10 HOT STACK
A103 SCALE: 1/2" = 1'



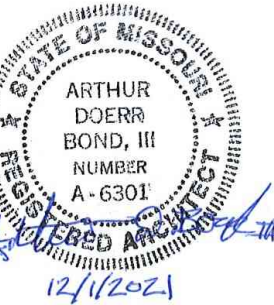
11 SOIL STACK
A103 SCALE: 1/2" = 1'



12 DUCT OVER CURB
A103 SCALE: 1/2" = 1'



13 WALL DETAIL
A103 SCALE: 1/2" = 1'



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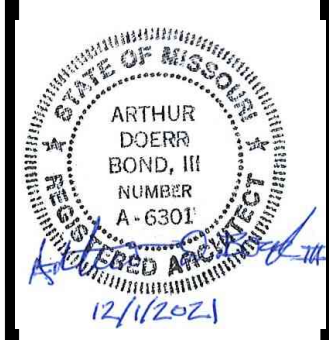
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RMT ROOFING AND WATERPROOFING CONSULTANTS, INC.
410 SOUTH BENTLEY COURT #18
COLUMBIA, MISSOURI 65201
(630)-391-2185

VARIOUS LOCATIONS - ROOF REPLACEMENTS
MARX (MELVIN H.) BUILDING
COLUMBIA, BOONE COUNTY, MISSOURI, 65211
ROOF DETAILS

PROJECT NUMBER
CP220471

SHEET
A103 of 17



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MANCHESTER, MO 63011
(636)-391-2185

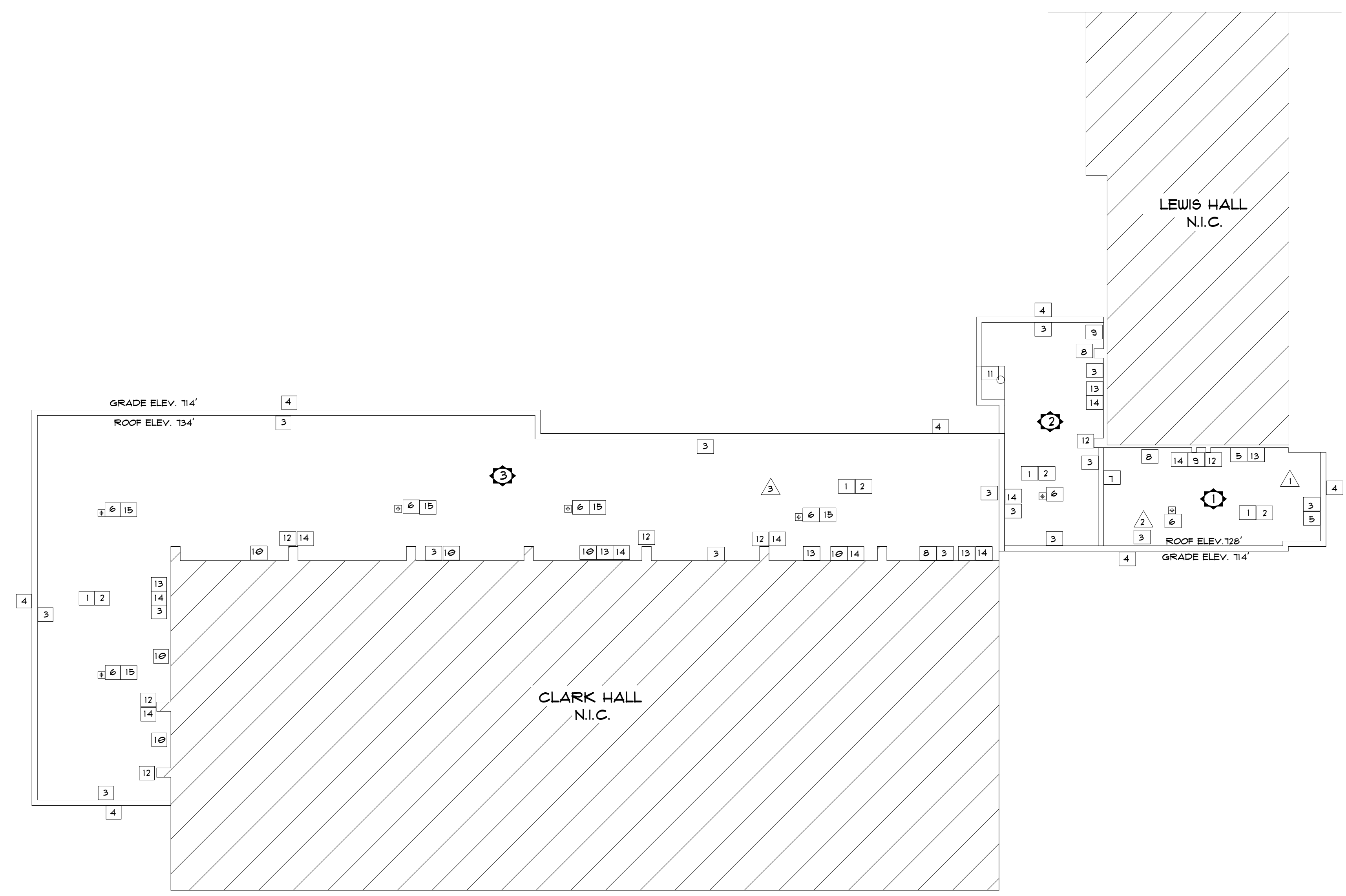
VARIOUS LOCATIONS - ROOF REPLACEMENTS
LEWIS & CLARK HALLS
COLUMBIA, BOONE COUNTY, MISSOURI, 65211
DEMOLITION PLAN

PROJECT NUMBER
CP220471

SHEET
A201 OF 17

EXISTING ROOF CONSTRUCTION:
CORE 1: CONCRETE DECK; 3" PERLITE BOARD, 4 PLY COAL TAR PITCH & GRAVEL SURFACING
CORE 2: CONCRETE DECK; 3" PERLITE BOARD, 4 PLY COAL TAR PITCH & GRAVEL SURFACING
CORE 3: CONCRETE DECK; 3" PERLITE BOARD, 4 PLY COAL TAR PITCH & GRAVEL SURFACING

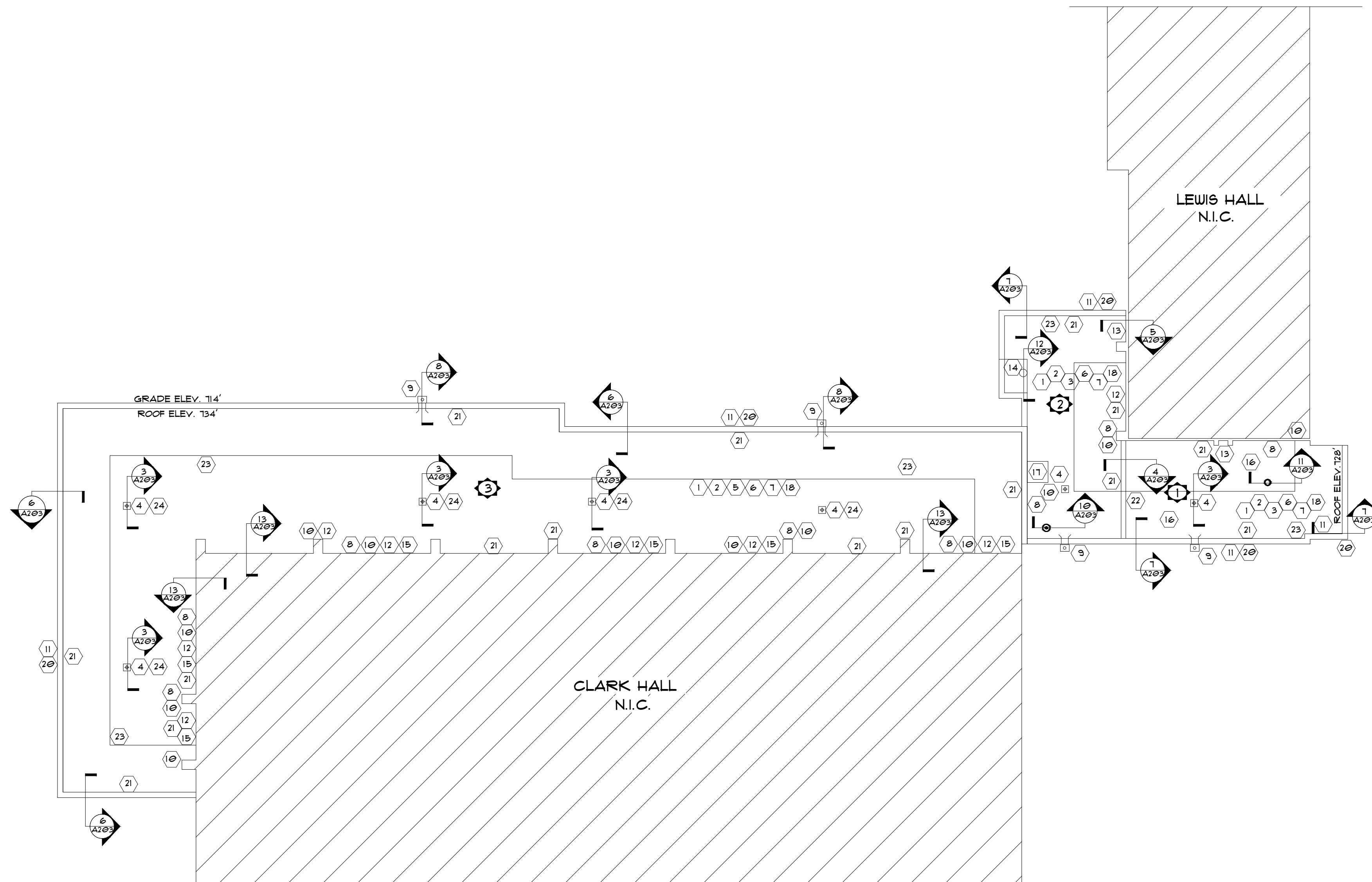
- DEMOLITION NOTES:**
1. REMOVE ROOF ASSEMBLY TO CONCRETE DECK.
 2. SWEEP DECK CLEAN OF ALL DEBRIS.
 3. REMOVE ALL MEMBRANE FLASHING.
 4. REMOVE FASCIA, FASCIA SKIRT TO REMAIN.
 5. REMOVE ALL MEMBRANE FLASHING TO SUBSTRATE.
 6. REMOVE ALL DRAIN IMPINGEMENT PANS.
 7. REMOVE EXPANSION JOINT CAP.
 8. DO NOT DISTURB WALL SHEET METAL RECEIVER.
 9. ROOF REMOVE METAL FLASHING ON WINDOW SILL.
 10. EXISTING SIDING BELOW WINDOWS TO REMAIN.
 11. REMOVE FLASHING AROUND ALL SUPPORT COLUMN.
 12. REMOVE COUNTERFLASHING AROUND ALL COLUMNS.
 13. REMOVE SURFACE MOUNTED COUNTERFLASHING.
 14. DO NOT DISTURB RECEIVER METAL DETAIL ABOVE FLASHING.
 15. REMOVE ALL RETROFIT DRAINS.
- 1 945 S.F. IN LEWIS HALL AREA
2 1,050 S.F. IN LEWIS HALL AREA
3 1,242 S.F. IN CLARK HALL AREA



LEGEND

1	DEMOLITION KEY NOTE
+	ROOF DRAIN
○	DOMED VENTILATOR
○	SOIL STACK
△	CORE EXTRACTION
□	AIR INTAKE UNITS
⊙	ROOF AREA IDENTIFIER
■	PITCH PAN
▭	ABANDONED CURB
∩	SCUPPER
□	SKYLIGHT

1 DEMOLITION PLAN
A201 SCALE: 1/16" = 1'
N
E
W
S



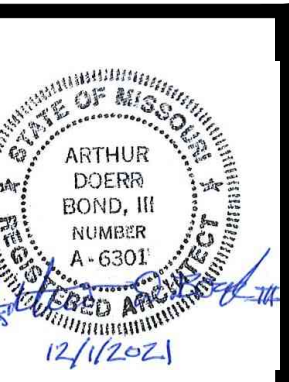
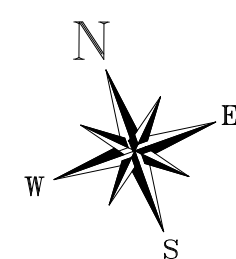
RENOVATION NOTES:

1. INSTALL NEW ROOF SYSTEM ASSEMBLY.
2. PRIME ROOF DECK AND INSTALL SELF ADHERED (SA) VAPOR BARRIER.
3. LEWIS ROOF SECTIONS A & B: INSTALLATION OF ONE LAYER OF 2" POLY ISO BY APPLYING LOW RISE FOAM TO ADHERE WITH FM 1-105 RIBBON METHOD.
4. INSTALLATION OF 8'x8' DRAIN SUMPS ON BOTH LEWIS ROOF SECTIONS.
5. CLARK ROOF SECTION: INSTALLATION OF ONE LAYER OF 1.5" POLY ISO INSULATION FOLLOWED BY THE INSTALLATION OF 1/2" TAPERED INSULATION ISO LOW RISE FOAM ADHERED TO VB WITH FM 1-105 RIBBON METHOD.
6. WITH LOW RISE FOAM, INSTALL 1/2" HIGH DENSITY COVER BOARD ADHERED WITH FM 1-105 RIBBON METHOD TO TOP LAYER OF INSULATION.
7. INSTALL 1/2" PER FOOT TAPERED POLY ISO CRICKETS PRIOR TO THE INSTALLATION OF COVER BOARD.
8. APPLY DOUBLE SIDED BUTYL TAPE BELOW THE INSTALLATION OF TERMINATION BAR AND OR SURFACE MOUNTED COUNTER FLASHING.
9. INSTALLATION OF NEW THROUGH WALL SCUPPERS AND INSTALL 26 GA. SHEET METAL OVER THE SCUPPER OPENING. FLASH TYPICAL.
10. APPLY DOW 150 SEALANT TO CAULK RECEIVER ON THE TOP OF THE COUNTER FLASHING DETAIL TO INTERFACE WITH WALL TOOL SMOOTH.
11. INSTALLATION OF PVC FLASHING TO BE INSTALLED OVER TOP OF PERIMETERS WALLS TERMINATED INTO WOOD NAILER.
12. RE WORK ALL CAULK RELATED SEALANTS WITH DOW 150 SEALANT ON FLASHING RELATED DETAILS AND OR MASONRY TRANSITIONS.
13. INSTALLATION OF WINDOW SILL SHEET METAL DETAIL ON LEWIS SECTION 2.
14. INSTALLATION OF NEW SHEET METAL SKIRT AROUND STRUCTURAL SUPPORT COLUMN.
15. INSTALLATION OF NEW FIELD FABRICATED WINDOW SILL SHEET METAL APRON AS NEEDED.
16. INSTALLATION OF PLUMBING STACK FLASHINGS.
17. INSTALL 4'x8' 1/2" FLY WOOD AT ALL DOOR EGRESSES' AND LADDER ACCESSSES.
18. INSTALLATION OF KEE OR EQUAL 60MIL PVC ROOF SYSTEM TO ACHIEVE A 20 YEAR NDL WARRANTY.
19. INSTALLATION OF NEW WALK PADS AT DOORS AND ALL ROOF TOP EGRESSES.
20. INSTALL METAL ERA FASCIA AT ALL PERIMETERS.
21. INSTALL MEMBRANE FLASHING ON ALL VERTICAL SURFACES.
22. INSTALLATION OF NEW RAISED CURB EXPANSION JOINT & COVER.
23. YELLOW WARNING LINE 10' FROM PERIMETER.
24. INSTALL NEW RETROFIT DRAIN.

- 1 945 S.F. IN LEWIS HALL AREA
- 2 1,050 S.F. IN LEWIS HALL AREA
- 3 1,242 S.F. IN CLARK HALL AREA

LEGEND	
	RENOVATION KEY NOTE
	ROOF DRAIN
	DOMED VENTILATOR
	SOIL STACK
	CORE EXTRACTION
	AIR INTAKE UNITS
	ROOF AREA IDENTIFIER
	PITCH PAN
	ABANDONED CURB
	SCUPPER
	SKYLIGHT

1 RENOVATION PLAN
A202 SCALE: 1/16" = 1'



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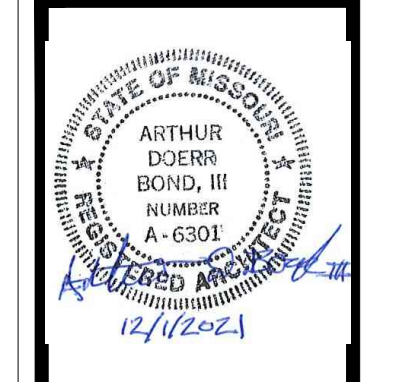
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12/07/21
DRAWN BY: JUG
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MANCHESTER, MO 63011
(636) 391-2185

**VARIOUS LOCATIONS - ROOF REPLACEMENTS
LEWIS & CLARK HALLS
COLUMBIA, BOONE COUNTY, MISSOURI, 65211
RENOVATION PLAN**

PROJECT NUMBER
CP220471

SHEET
A202 OF 17



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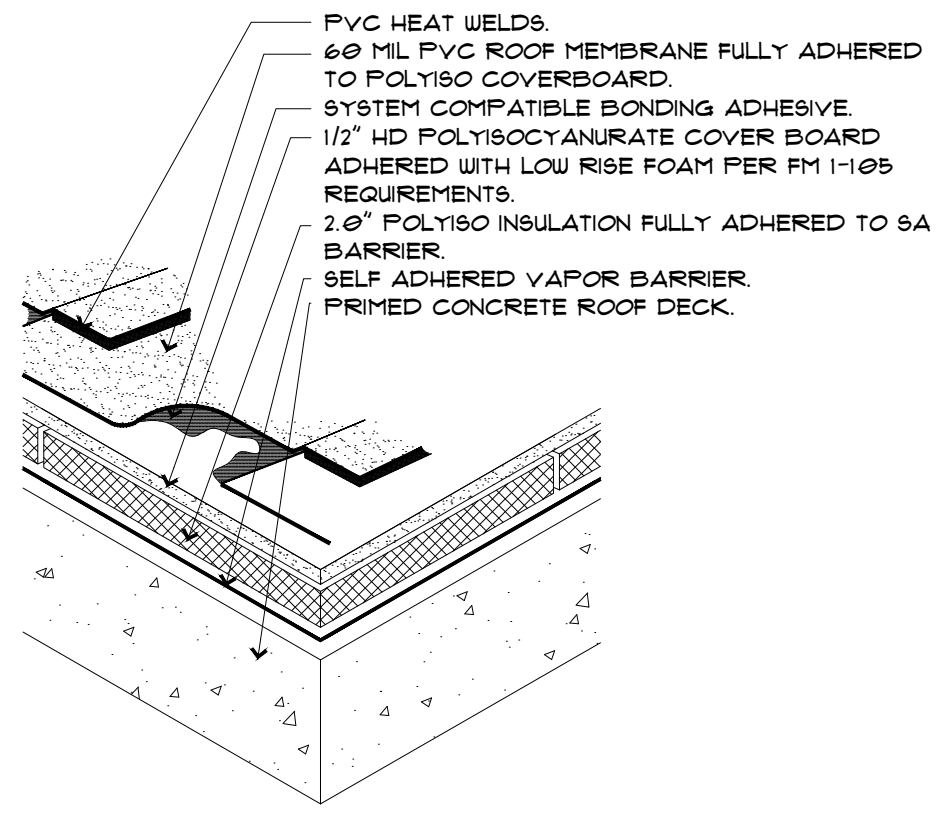
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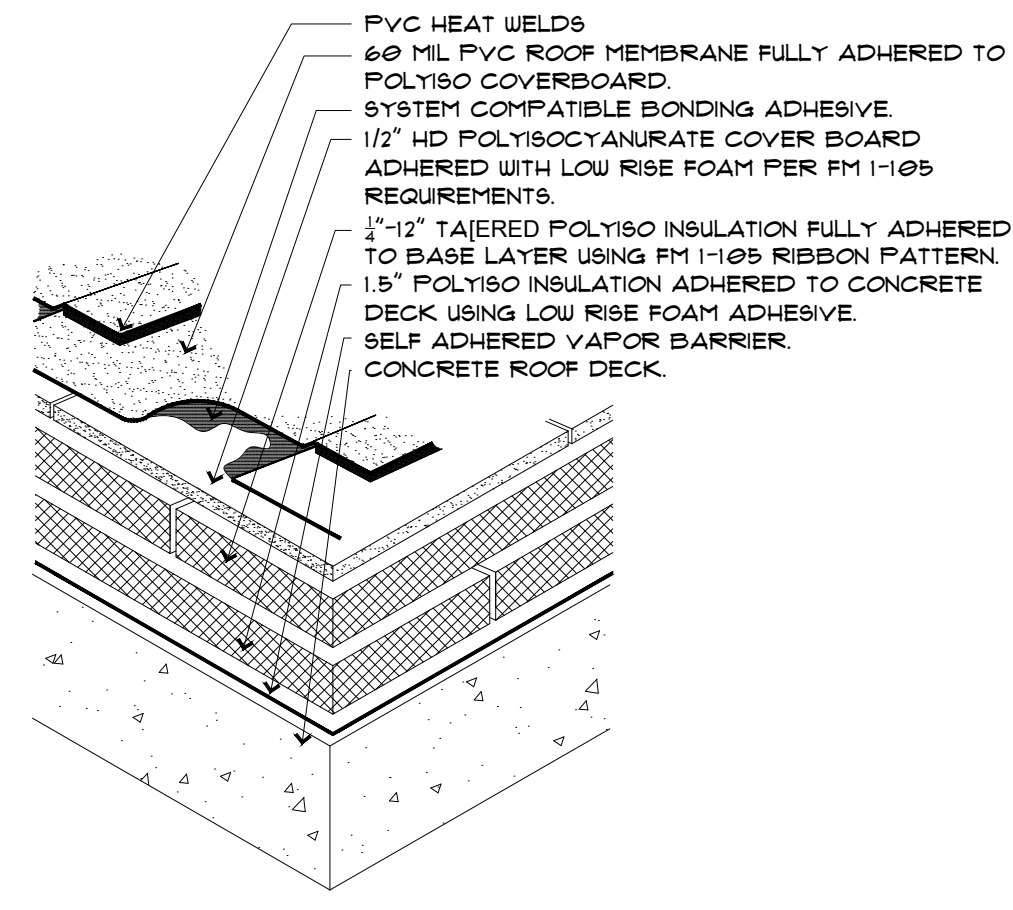
**VARIOUS LOCATIONS - ROOF REPLACEMENTS
 LEWIS & CLARK HALLS
 COLUMBIA, BOONE COUNTY, MISSOURI, 65211
 ROOF DETAILS**

PROJECT NUMBER
 CP220471

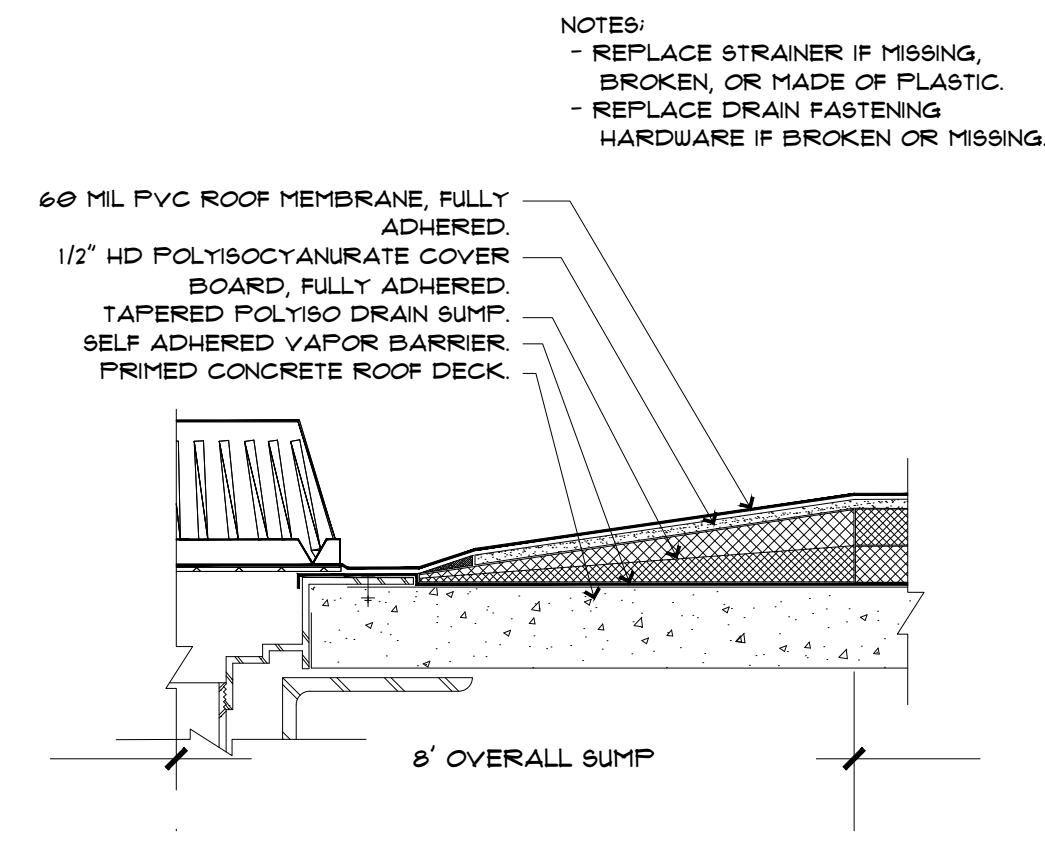
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 A203 OF 17



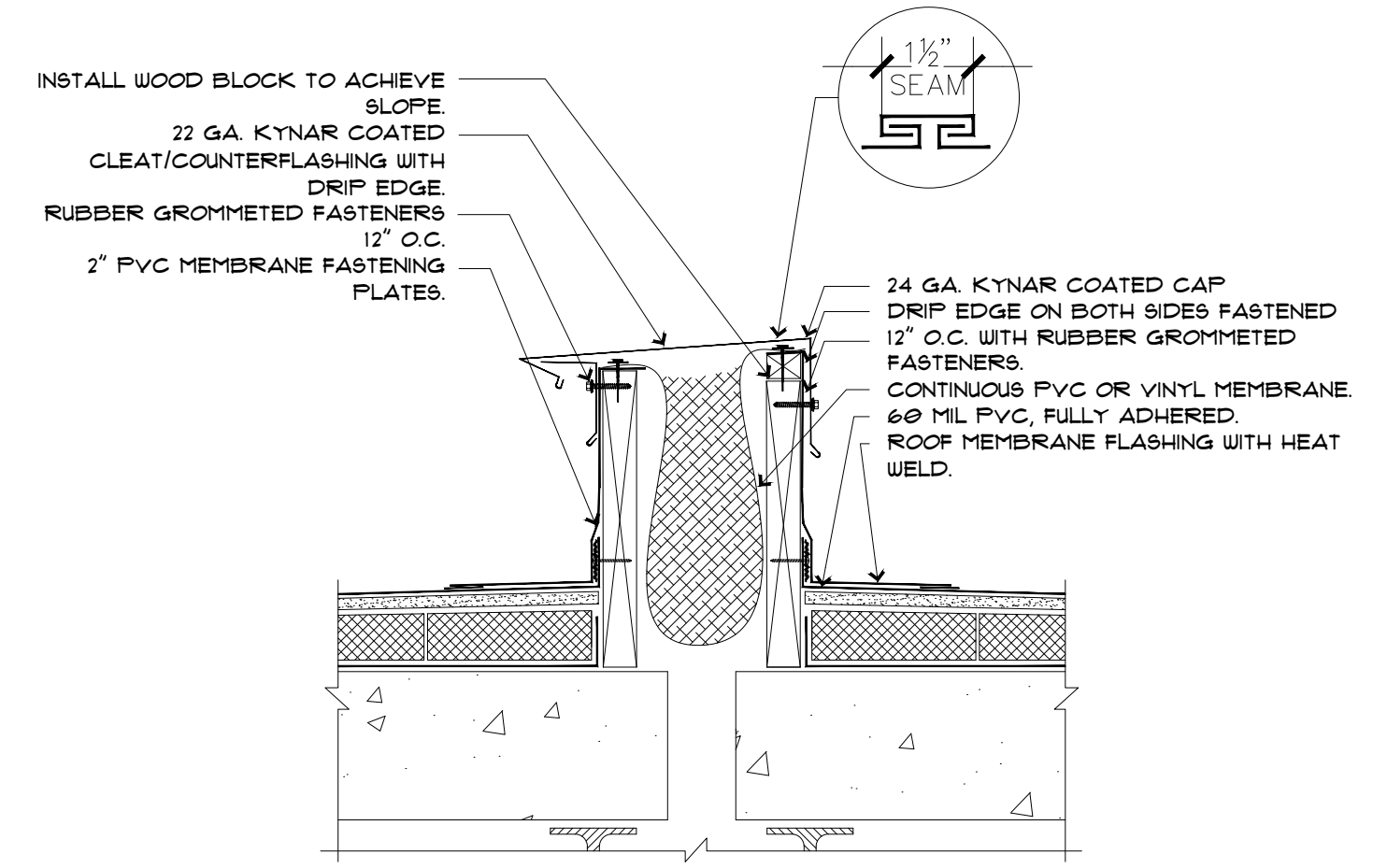
1 LEWIS HALL FIELD SECTION
 A203 SCALE: 1 1/2" = 1'



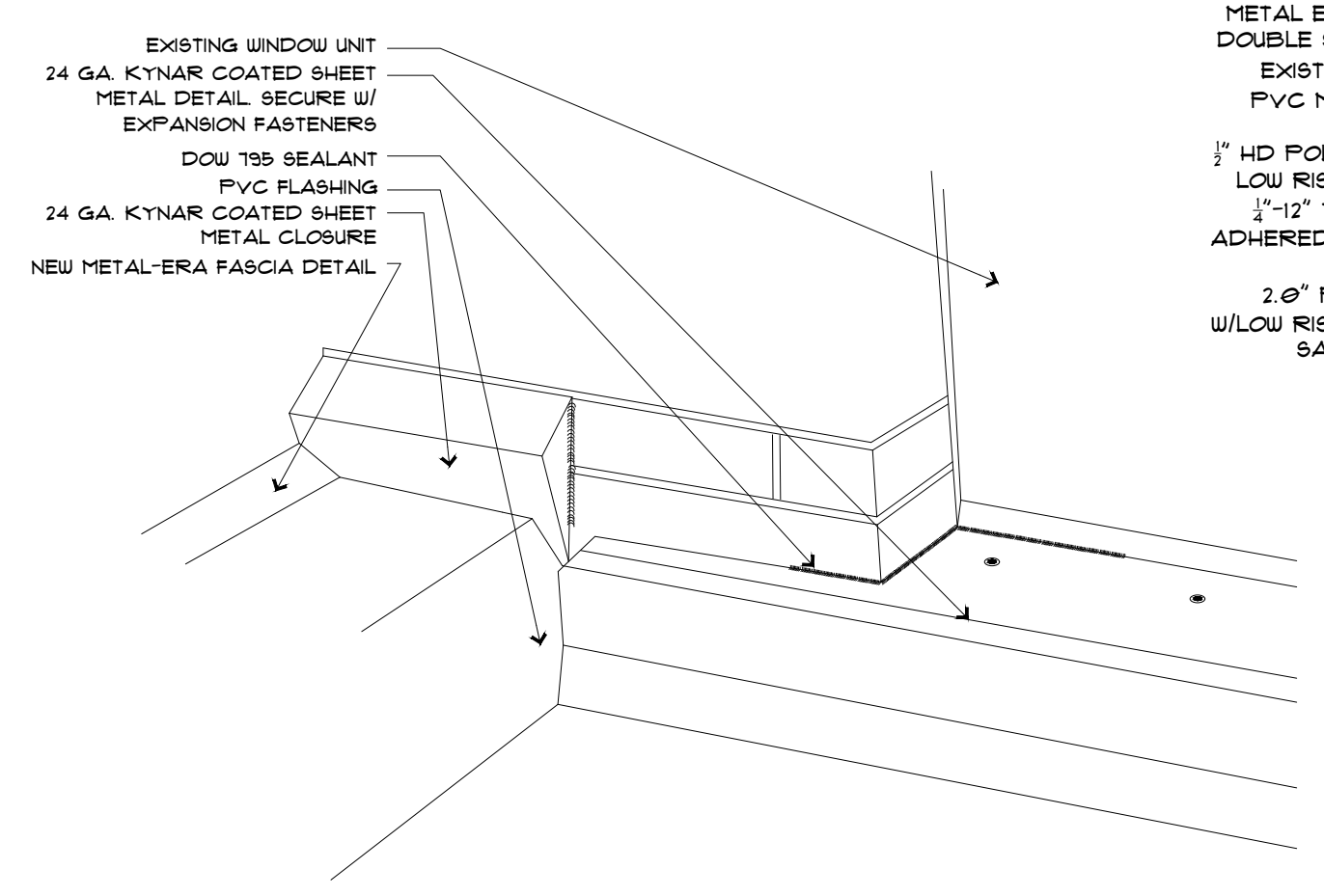
2 CLARK HALL FIELD SECTION
 A203 SCALE: 1 1/2" = 1'



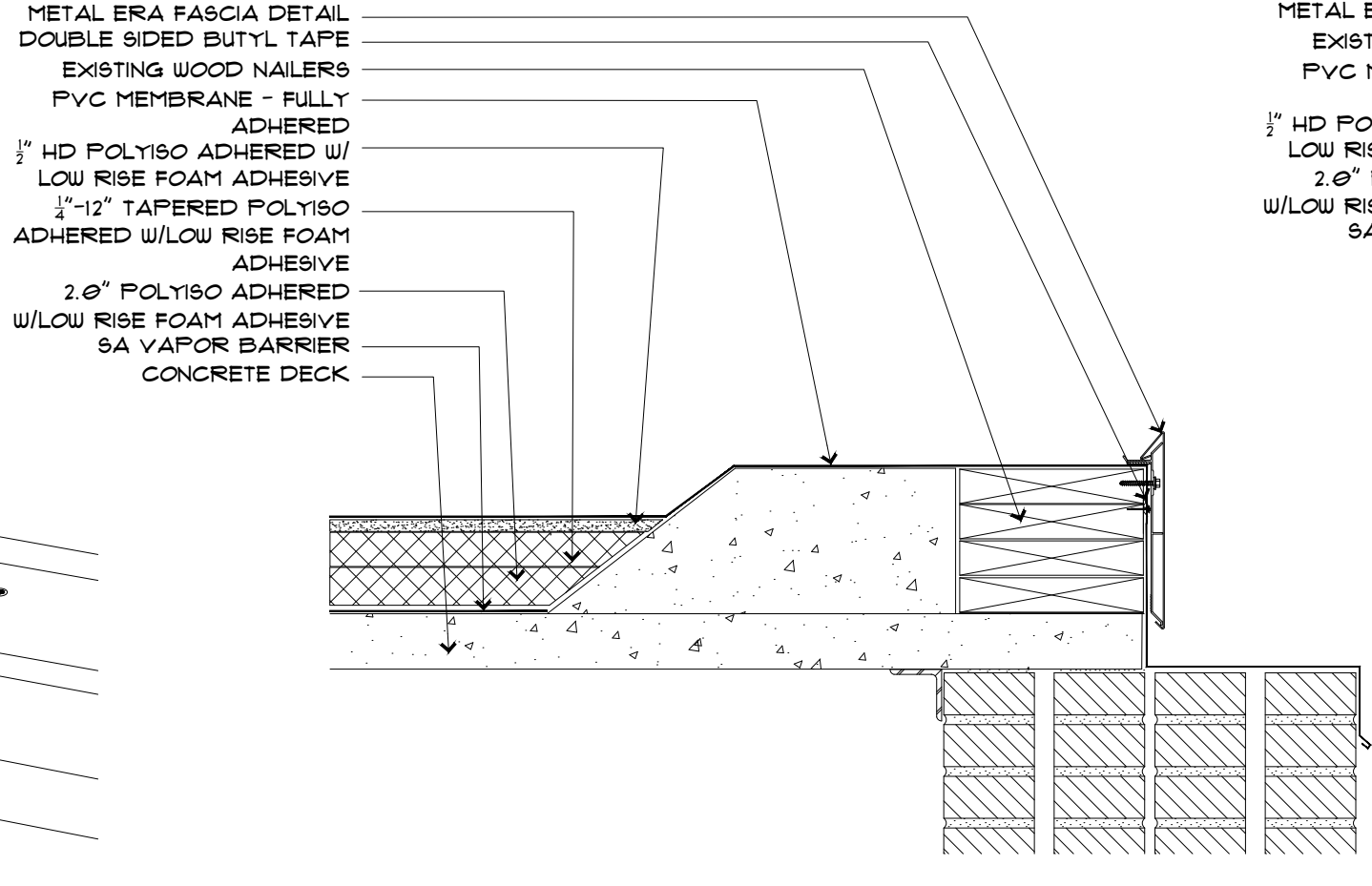
3 DRAIN DETAIL
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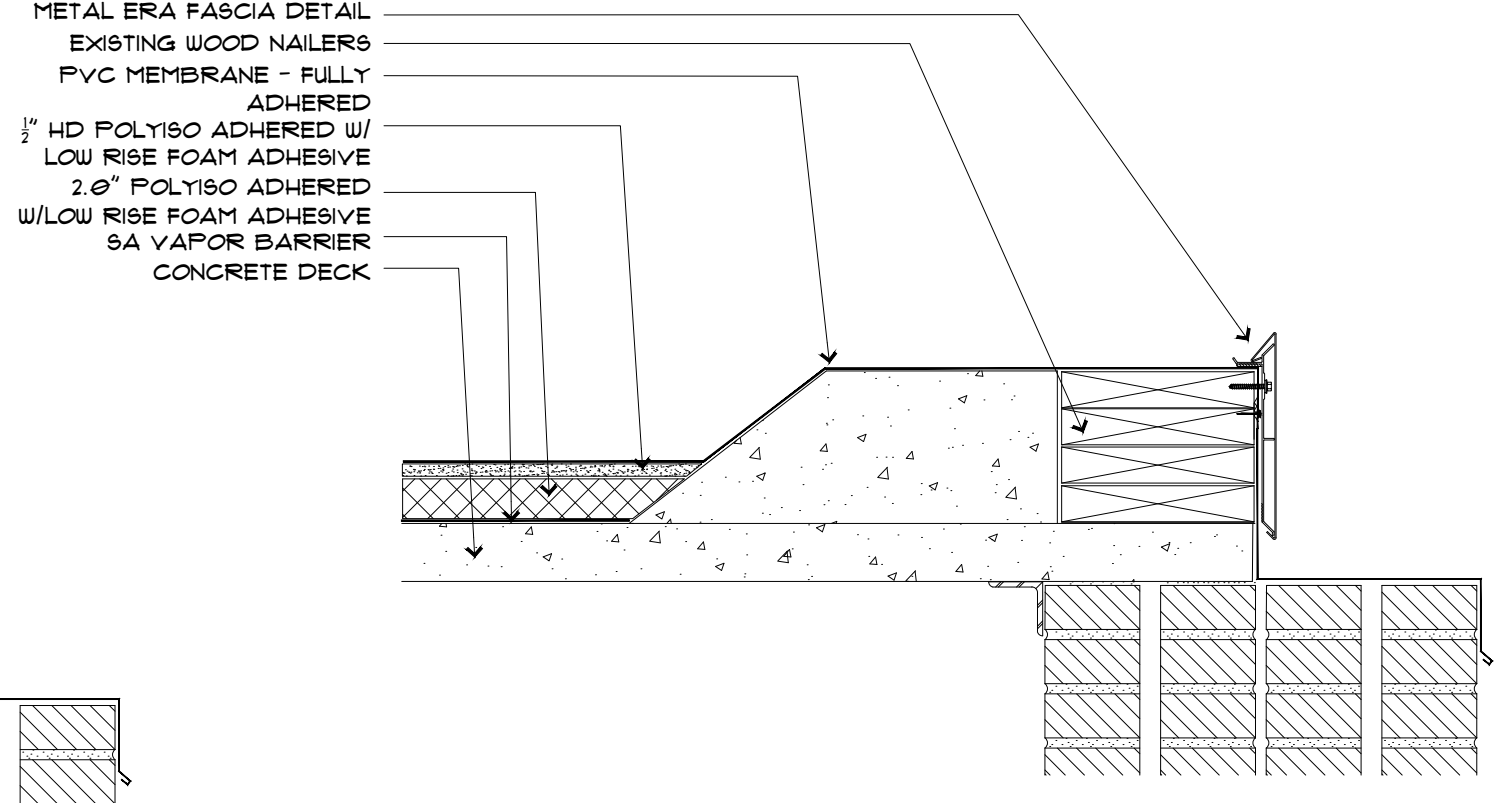
4 EXPANSION JOINT
 A203 SCALE: 1 1/2" = 1'



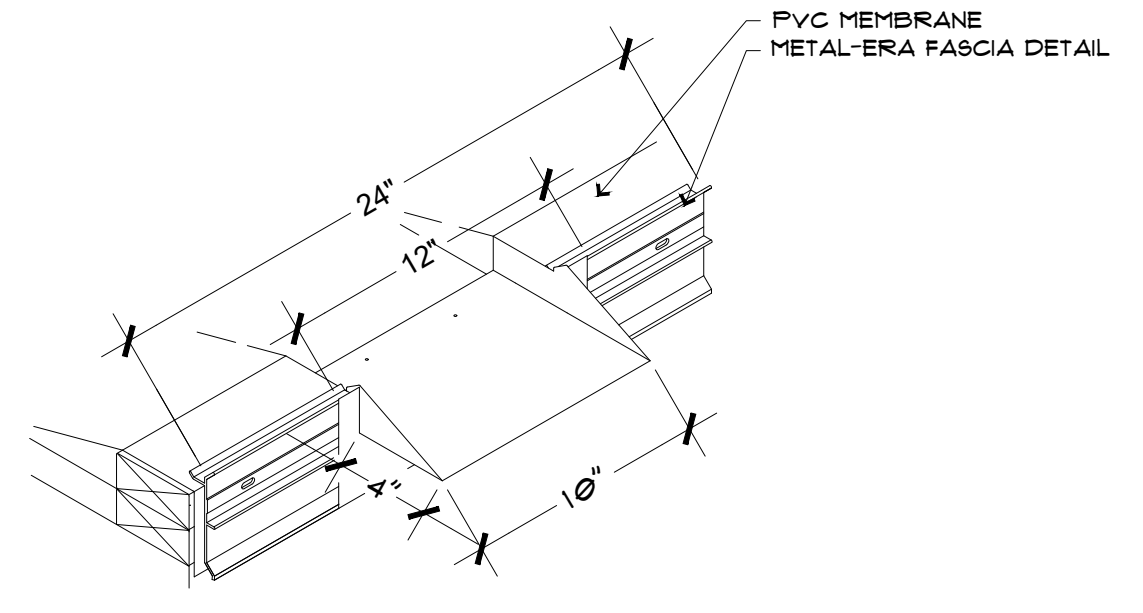
5 FLASHING AT RECESSED WINDOW
 A203 SCALE: NTS



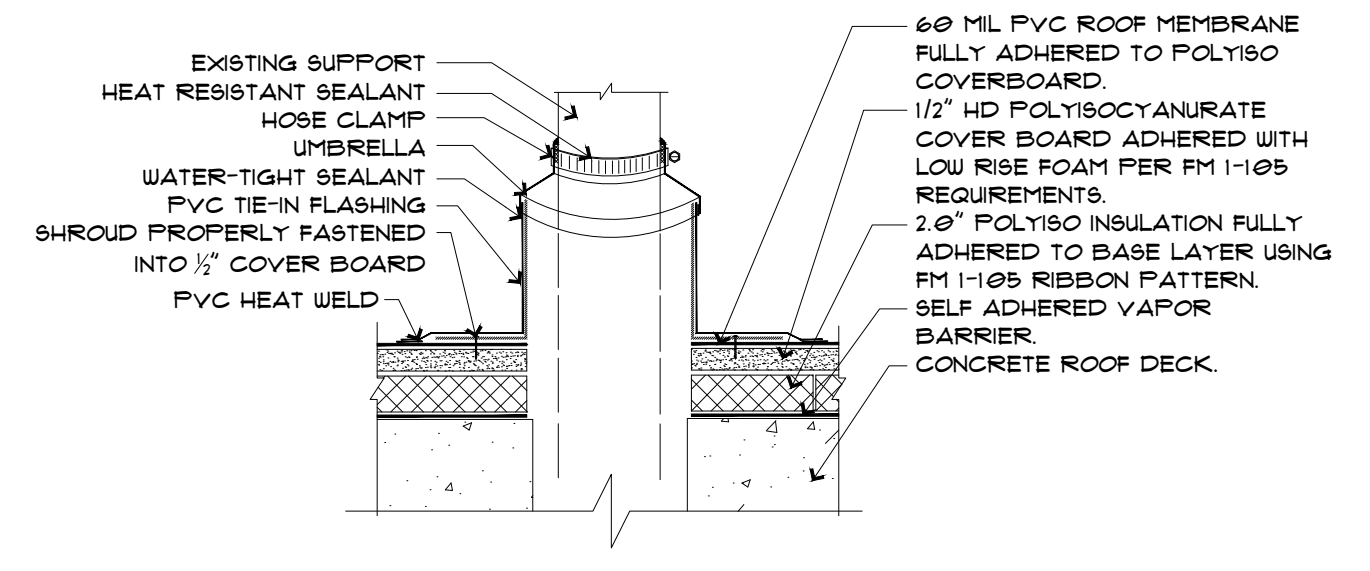
6 CLARK PERIMETER EDGE
 A203 SCALE: 1 1/2" = 1'



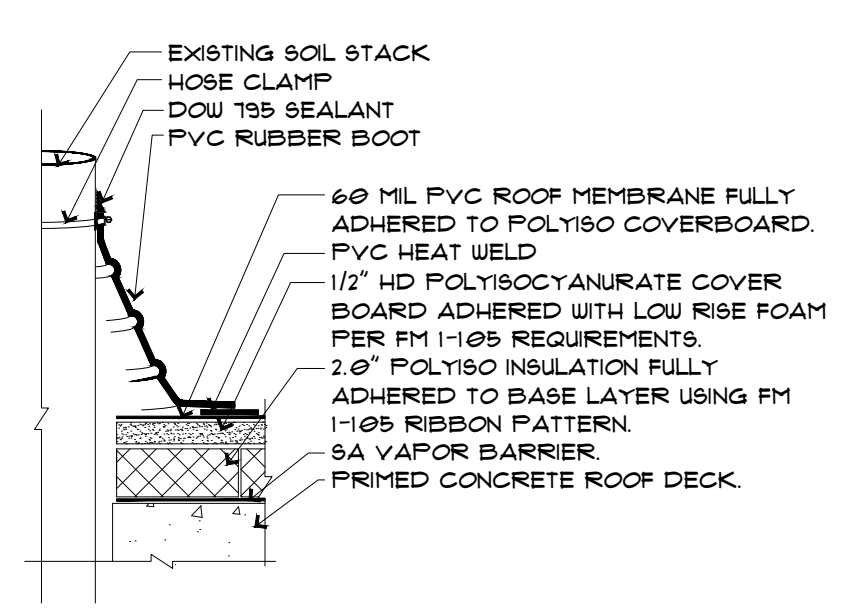
7 LEWIS PERIMETER EDGE
 A203 SCALE: 1 1/2" = 1'



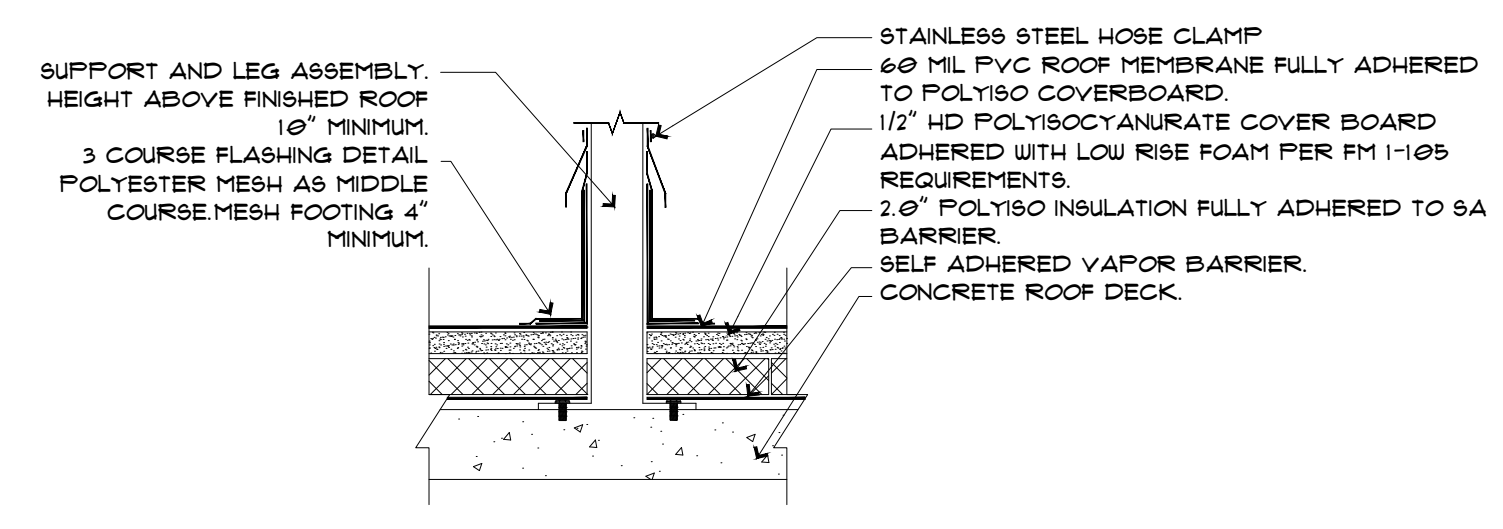
8 OVERFLOW SCUPPER
 A203 SCALE: NTS



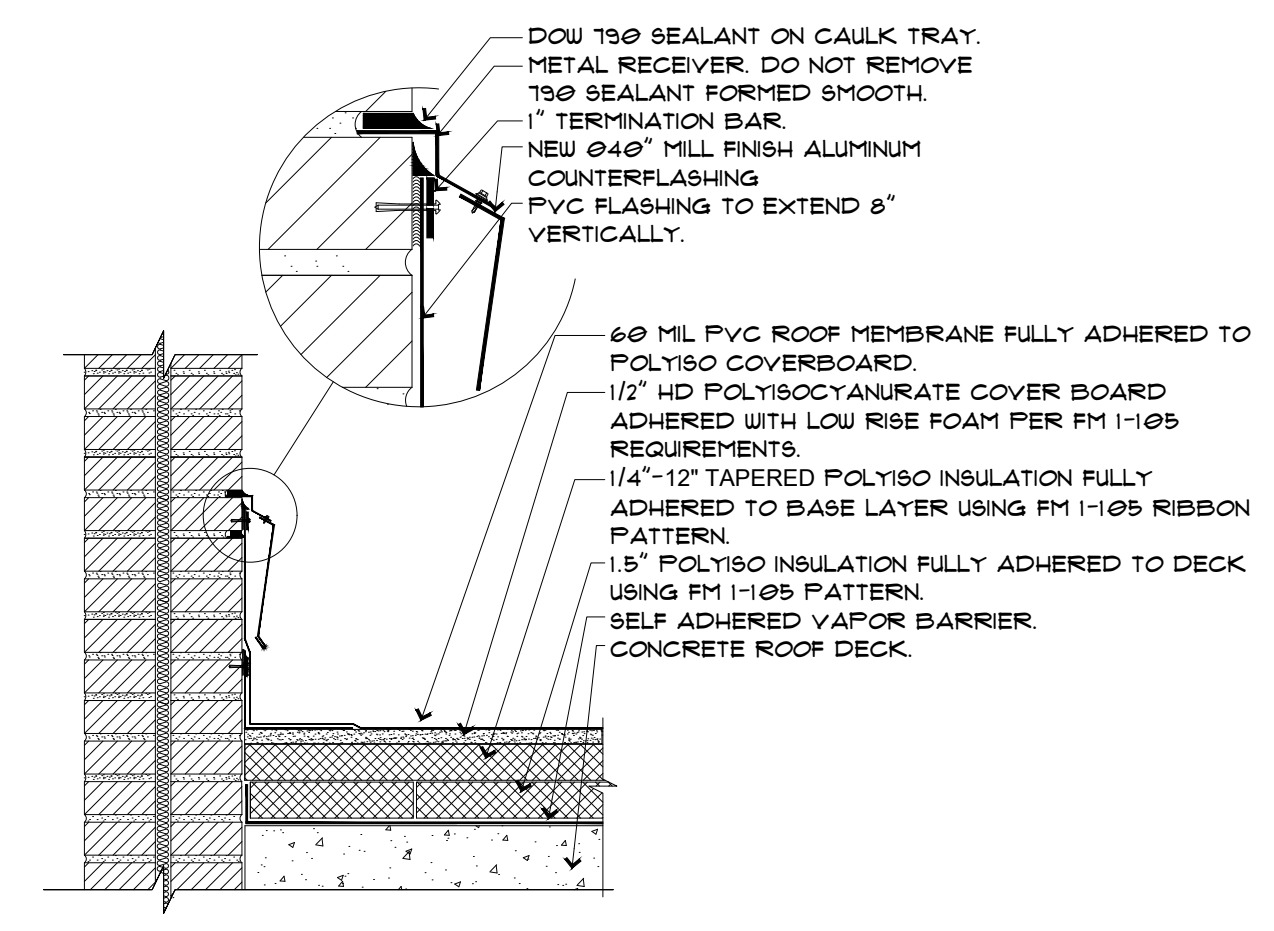
10 HOT STACK
 A203 SCALE: 1 1/2" = 1'



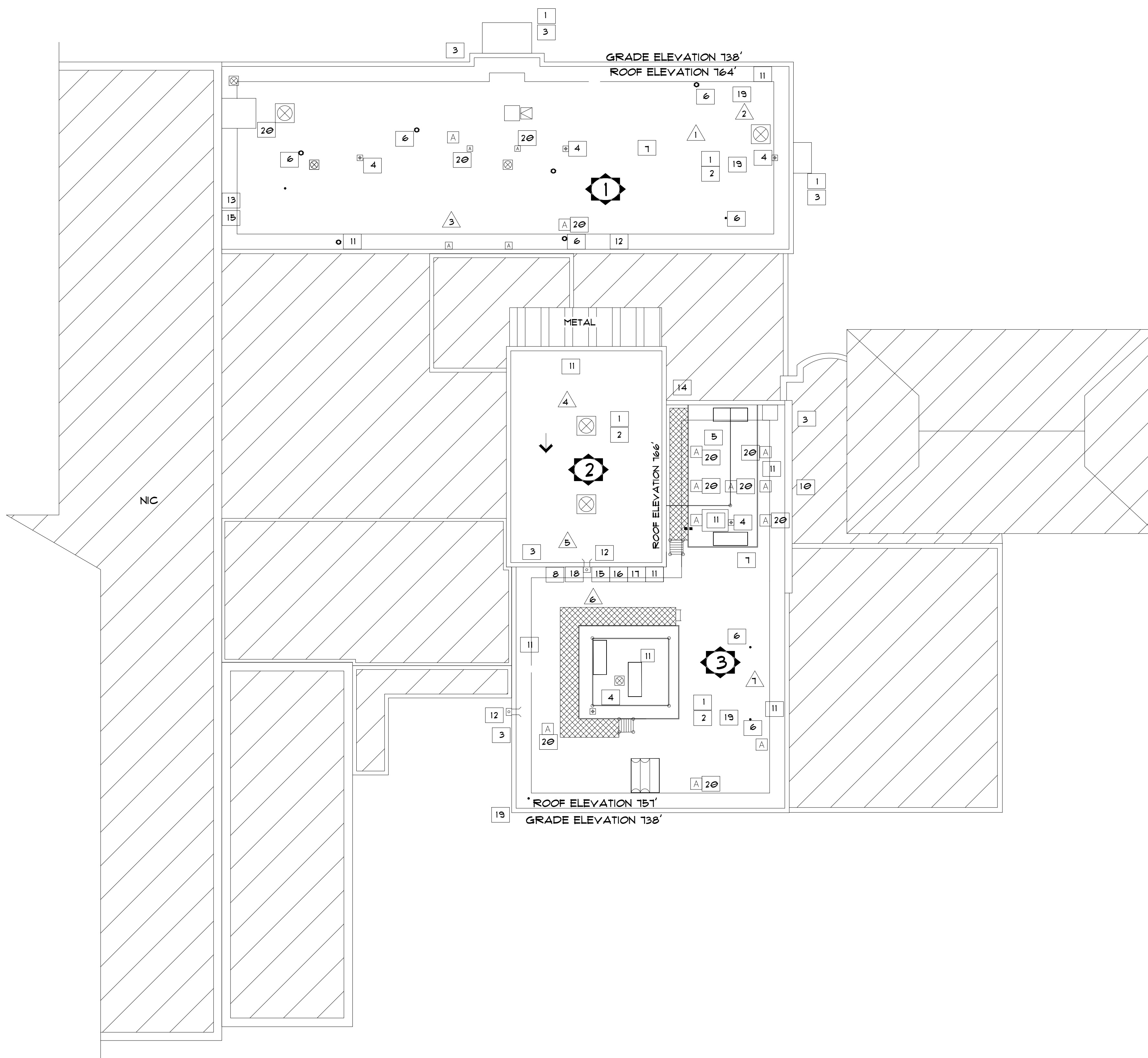
11 SOIL STACK
 A203 SCALE: 1 1/2" = 1'



12 SUPPORT LEG
 A203 SCALE: 1 1/2" = 1'



13 WALL DETAIL
 A203 SCALE: 1 1/2" = 1'



EXISTING ROOF CONSTRUCTION:

- CORE 1 - CONCRETE, ORGANIC FELT VB, 3.2" POLY ISO, FA EPDM
- CORE 2 - CONCRETE, ORGANIC FELT VB, 3.2" POLY ISO, FA EPDM
- CORE 3 - CONCRETE, FELT VB-3.2", POLY ISO, 4" TAPERED FIBERBOARD, EPDM
- CORE 4 - METAL, 4" EPS, 1/2" FIBER BOARD, FULLY ADHERED EPDM
- CORE 5 - METAL, 4" EPS, 1/2" FIBER BOARD, FA EPDM
- CORE 6 - CONCRETE, ORGANIC FELT VB, 3.2" POLY ISO, FA EPDM
- CORE 7 - CONCRETE, FELT VB, 3.2" POLYISO, 4" TAPERED FIBERBOARD, FA EPDM

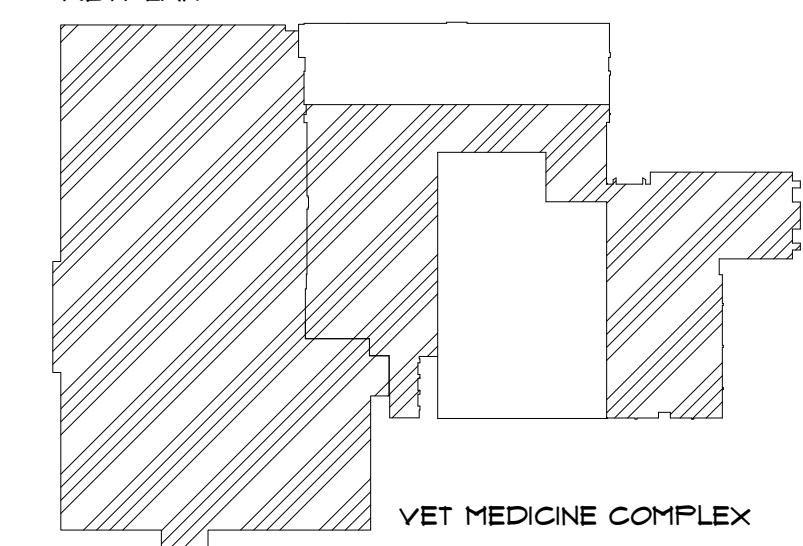
DEMOLITION NOTES:

1. REMOVE ROOF ASSEMBLY DOWN TO EXISTING BASE PLY MEMBRANE
2. SWEEP BASE PLY SURFACE & ALL FLUTES OF STEEL DECK CLEAN. REMOVE ALL ROOFING RELATED FLASHING.
3. REMOVE ALL ASSOCIATED SHEET METAL DETAILS.
4. ALL EXISTING ROOF DRAINS TO REMAIN. REMOVE STRAINER AND CLAMPING RING FOR REINSTALLATION.
5. EXISTING CURB MOUNTED EQUIPMENT TO REMAIN. REMOVE SURROUNDING FLASHING.
6. EXISTING PLUMBING VENTS TO REMAIN. REMOVE ALL ASSOCIATED FLASHING.
7. REMOVE EPDM FLASHING ON STRUCTURAL COLUMNS.
8. REMOVE DOOR THRESHOLD.
9. ROOF 3 - STRUCTURAL SUPPORT TO REMAIN ON ROOF AREA 1.
10. REMOVE ALL METAL COPPER COPING AND SET ASIDE FOR REINSTALLATION.
11. REMOVE ALL EPDM FLASHING.
12. REMOVE BRICK AND COPING FOR INSTALLATION OF NEW OVERFLOW SCUPPERS.
13. REMOVE EXPANSION JOINT AT WALL.
14. RECEIVER UNDER COPING TO REMAIN. DO NOT DISTURB.
15. REMOVE ALL SURFACE MOUNTED COUNTERFLASHING.
16. RECEIVER ABOVE FLASHING TO REMAIN.
17. ALL SURFACE MOUNTED COUNTERFLASHING TO BE REMOVED.
18. REMOVE FLASHING BELOW RECEIVER METAL.
19. ACRM WITHIN RAG FELT VAPOR BARRIER, AND WITHIN AND SILVER AND BLACK SEALANT.
20. REMOVE ALL MEMBRANE FLASHING AROUND ALL ABANDONED CURBS.

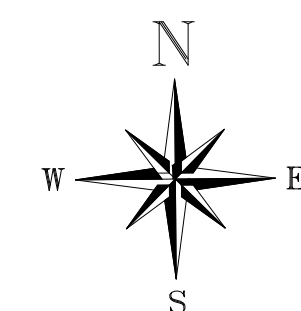
- 1 7,075 S.F. IN AREA
- 2 2,133 S.F. IN AREA
- 3 5,610 S.F. IN AREA

LEGEND	
1	DEMOLITION KEY NOTE
⊕	ROOF DRAIN
⊗	VENTILATOR
⊙	SOIL STACK
⚡	CORE EXTRACTION
⊞	AIR INTAKE UNITS
⊞	ROOF AREA IDENTIFIER
⊞	PITCH PAN
⊞	ABANDONED CURB
⊞	SCUPPER
⊞	SKYLIGHT

KEYPLAN



1
A301 DEMOLITION PLAN
SCALE: 1/16" = 1'



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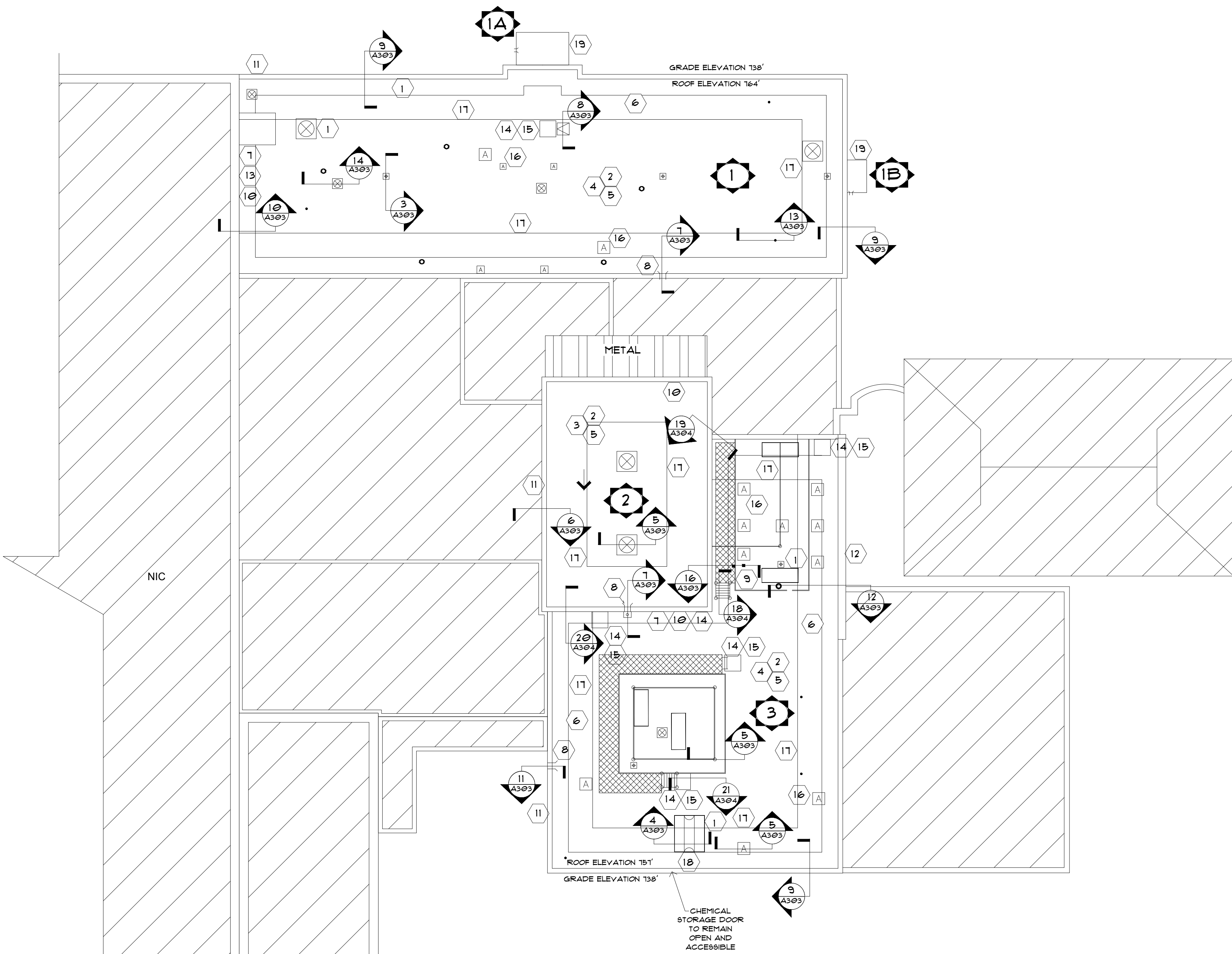
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**VARIOUS LOCATIONS- ROOF REPLACEMENTS
VETERINARY MEDICINE EAST
COLUMBIA, BOONE COUNTY, MISSOURI, 65211
DEMOLITION PLAN**

PROJECT NUMBER
CP220471

SHEET
A301 of 17



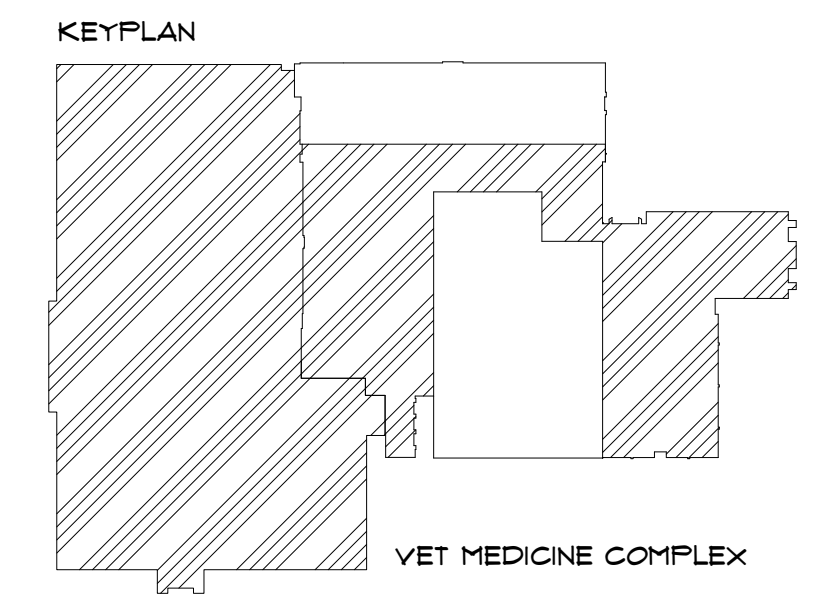
RENOVATION NOTES:

1. INSTALL NEW MEMBRANE FLASHING. SECURE W/ BUTYL TAPE AND 1" TERM BAR.
2. PRIME ROOF DECK AND INSTALL 9A VAPOR BARRIER.
3. ON ROOF SECTION 2, INSTALL MECHANICALLY FASTENED WITH 1-105 FM REQUIREMENTS. 2.0" LAYER POLY ISO MECHANICALLY FASTENED FOLLOWED BY AN ADDITIONAL LAYER OF 2.0" POLY ISO LOW RISE FOAMED TO BASE LAYER INSULATION.
4. ON ROOF SECTIONS 1 & 3. INSTALLATION OF TWO (2) LAYERS OF 1.5" POLY ISO BY APPLYING LOW RISE FOAM TO ADHERE WITH FM 1-105 RIBBON METHOD.
5. WITH LOW RISE FOAM, INSTALL 1/2" HIGH DENSITY COVER BOARD ADHERED WITH FM 1-105 RIBBON METHOD TO TOP LAYER OF INSULATION.
6. INSTALL 1/2" PER FOOT TAPERED POLY ISO CRICKETS PRIOR TO THE INSTALLATION OF COVER BOARD.
7. APPLY DOUBLE SIDED BUTYL TAPE BELOW THE INSTALLATION OF TERMINATION BAR AND OR SURFACE MOUNTED COUNTER FLASHING.
8. INSTALLATION OF NEW THROUGH WALL SCUPPERS AND INSTALL 26 GA. SHEET METAL OVER THE SCUPPER OPENING. FLASH TYPICAL.
9. REMOVE PITCH PANS WHEREVER POSSIBLE AND FIELD WRAP IF POSSIBLE. STAINLESS STEEL PITCH PANS AND 2 PART SEALANTS ARE ACCEPTABLE.
10. APPLY DOW 790 SEALANT TO CAULK RECEIVER ON THE TOP OF THE COUNTER FLASHING DETAIL TO INTERFACE WITH WALL. TOOL SMOOTH.
11. INSTALLATION OF EPDM FLASHING TO BE INSTALLED UP AND OVER TOP OF PARAPET WALLS TERMINATED INTO WOOD NAILER. REFER TO DETAIL.
12. ROOF SECTION 3, RE USE COPPER EXPANSION JOINT COVER. RE WORK ALL CAULK RELATED SEALANTS WITH DOW 790 SEALANT ON FLASHING RELATED DETAILS AND OR MASONRY TRANSITIONS.
13. REMOVE EPDM EXPANSION JOINTS AND INSTALL NEW 4" ROD STOCK INSULATION WITHIN EXPANSION JOINT DETAIL.
14. INSTALL 4'x8' 1/2" PLY WOOD AT ALL DOOR EGRESSSES' AND LADDER ACCESSSES.
15. INSTALLATION OF NEW WALK PADS AT DOORS AND ALL ROOF TOP EGRESSSES.
16. REMOVE ABANDONED CURB PROJECTIONS WHEN POSSIBLE.
17. YELLOW MARKED WARNING LINE 10' INTO PERIMETER.
18. CLOSE OFF 2 END SKYLIGHTS W/ 3/4" PLYWOOD SHEATHING AND SUPPORT MEMBERS. INSTALL ROOF ASSEMBLY OVER TWO SKYLIGHTS.
19. INCLUDE CANOPY SECTIONS 1A & 1B.

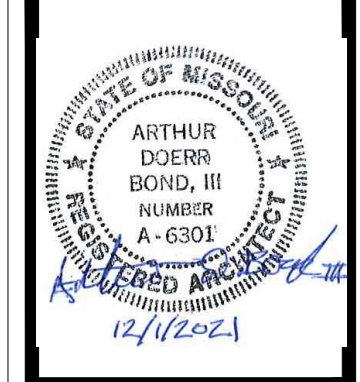
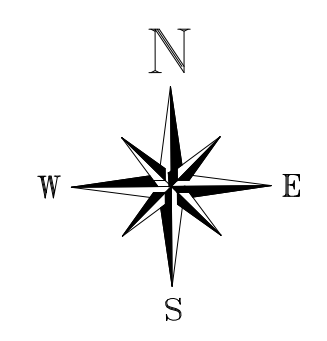
- 1 1,075 S.F. IN AREA
- 2 2,133 S.F. IN AREA
- 3 5,610 S.F. IN AREA

LEGEND

①	RENOVATION KEY NOTE
⊕	ROOF DRAIN
⊖	DOMED VENTILATOR
○	SOIL STACK
△	CORE EXTRACTION
▲	AIR INTAKE UNITS
□	ROOF AREA IDENTIFIER
■	PITCH PAN
▣	ABANDONED CURB
11	SCUPPER
☐	SKYLIGHT



1
A302
RENOVATION PLAN
SCALE: 1/16" = 1'



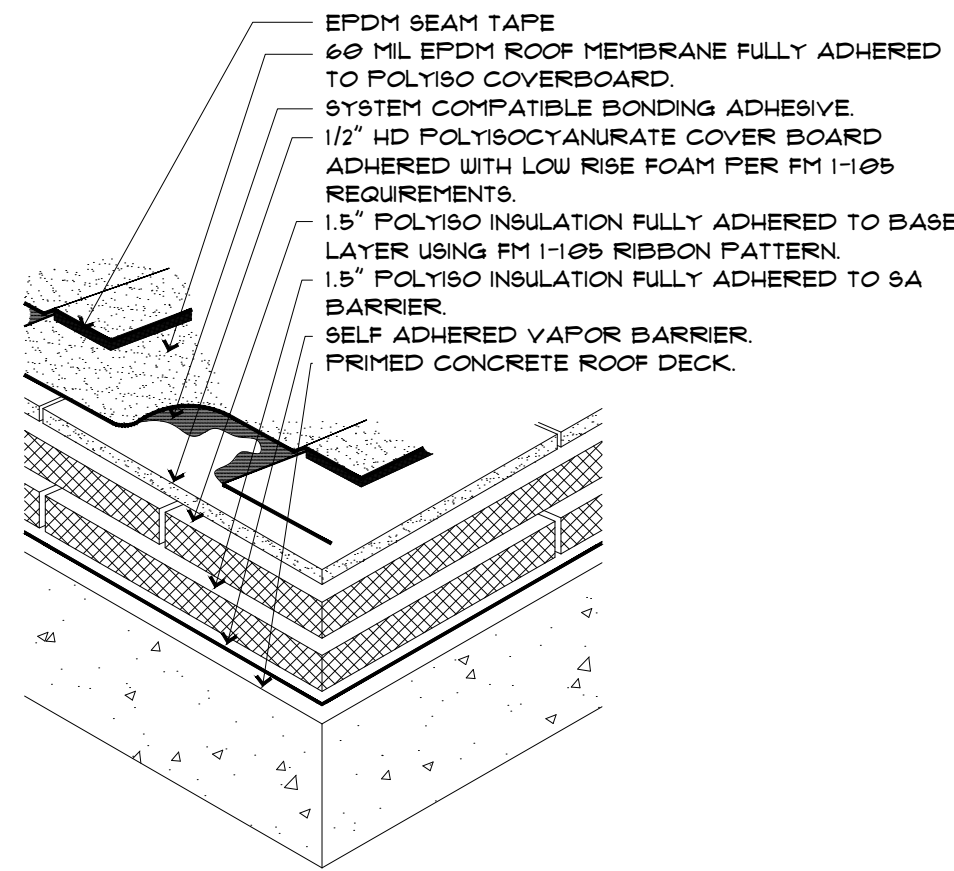
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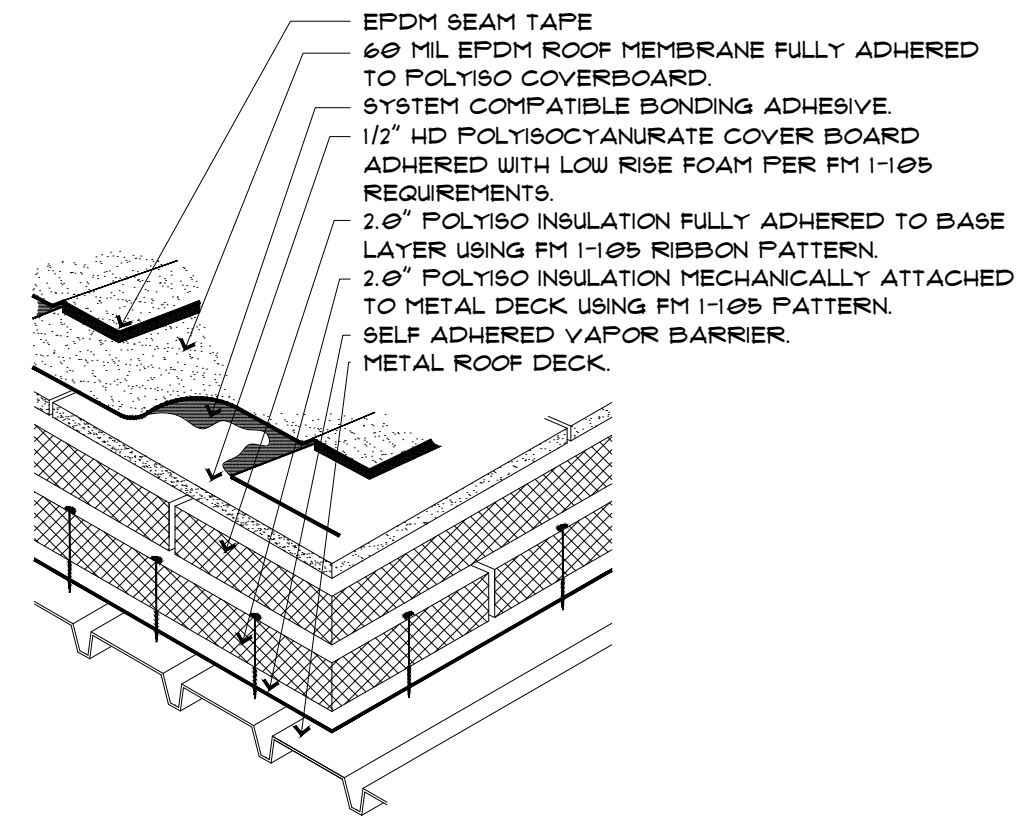
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VARIOUS LOCATIONS - ROOF REPLACEMENTS
VETERINARY MEDICINE EAST
COLUMBIA, BOONE COUNTY, MISSOURI, 65211
RENOVATION PLAN

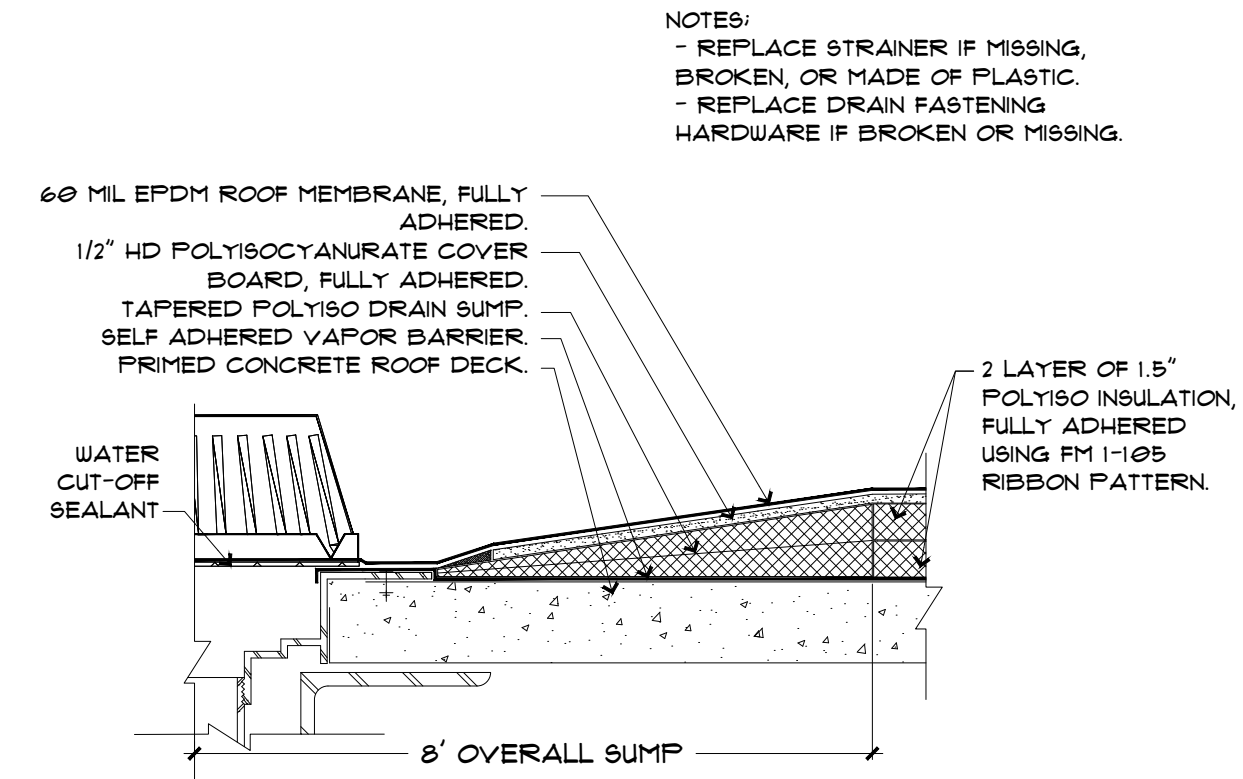
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CP220471
SHEET
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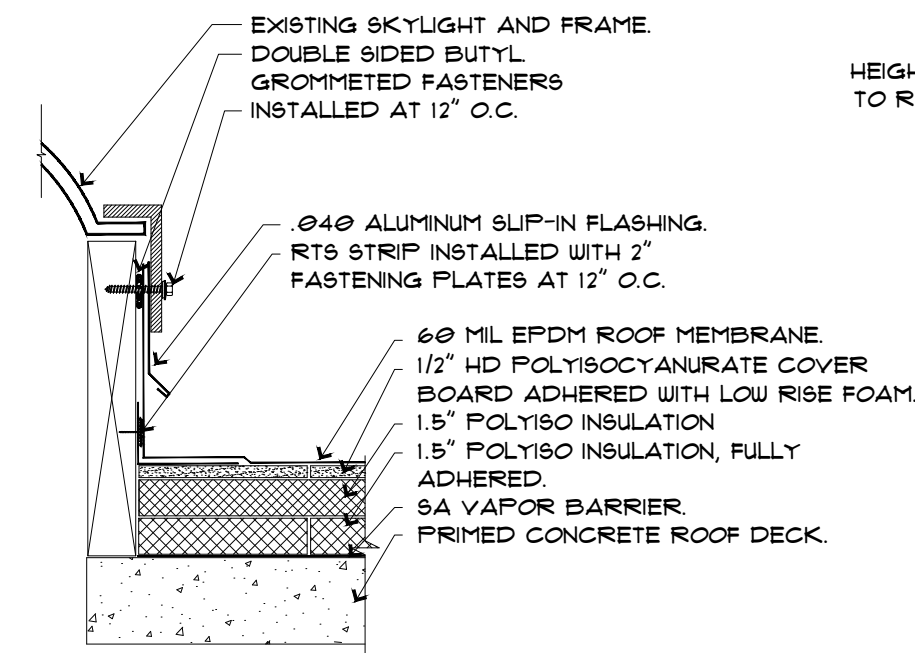
1 FIELD SECTIONS 1 & 3
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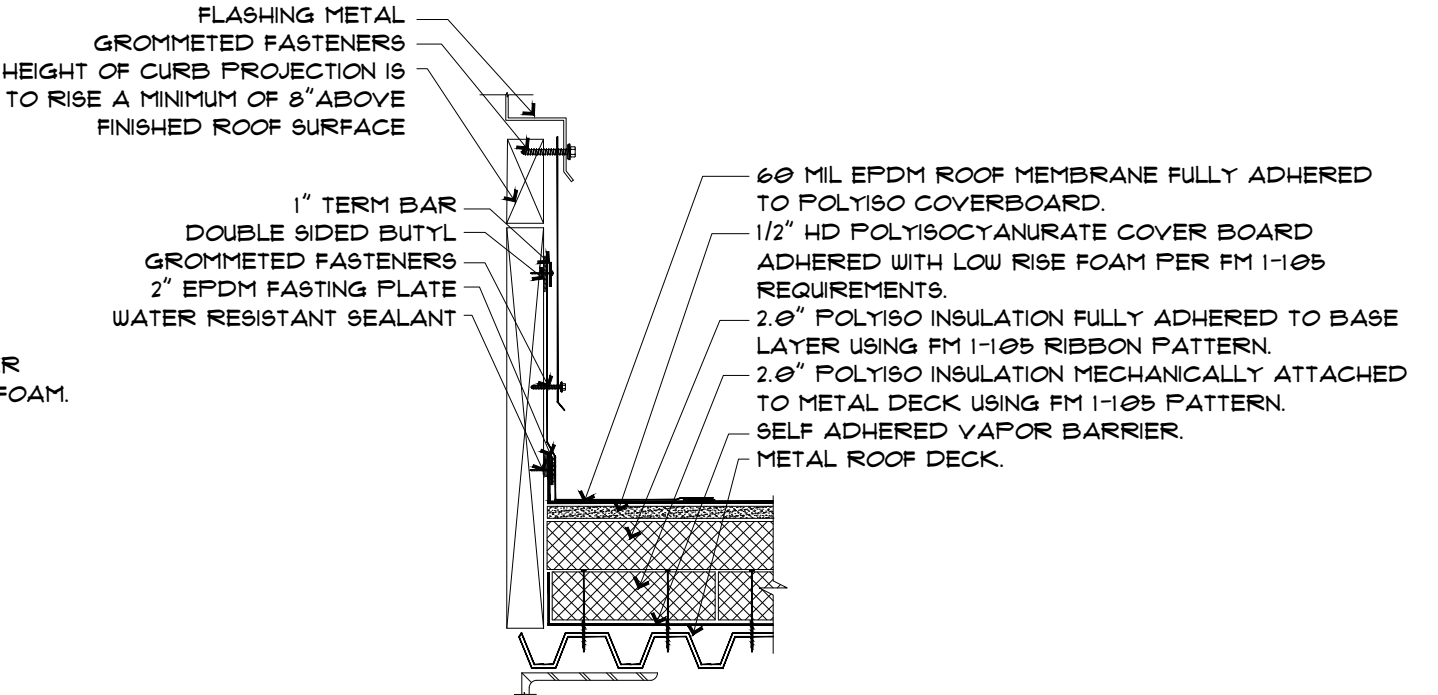
2 FIELD SECTION 2
A303 SCALE: NTS



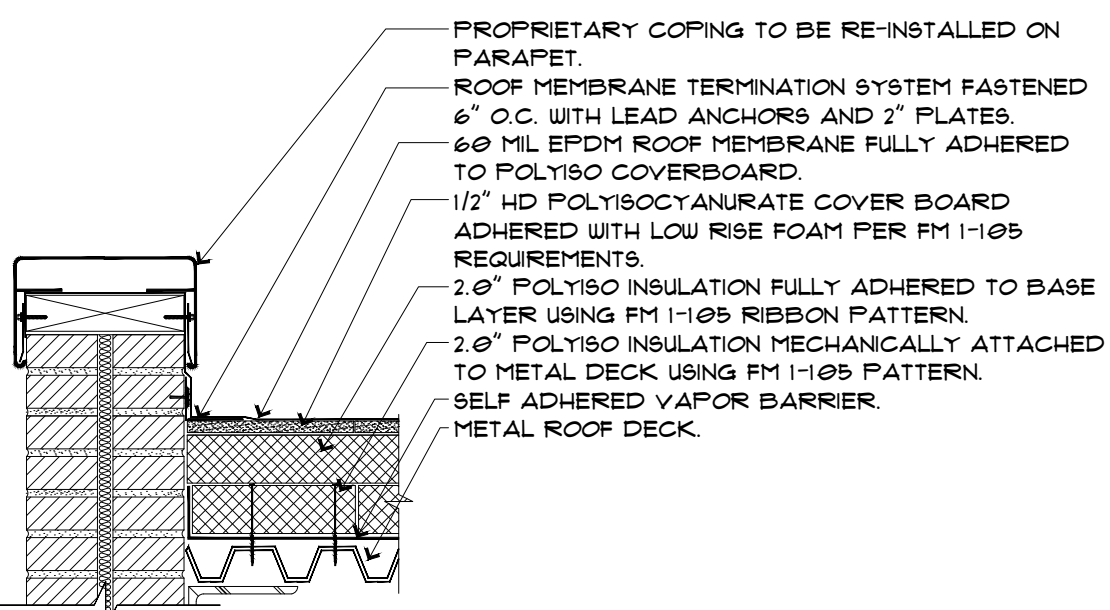
3 DRAIN OVER CONCRETE
A303 SCALE: 1/2" = 1'



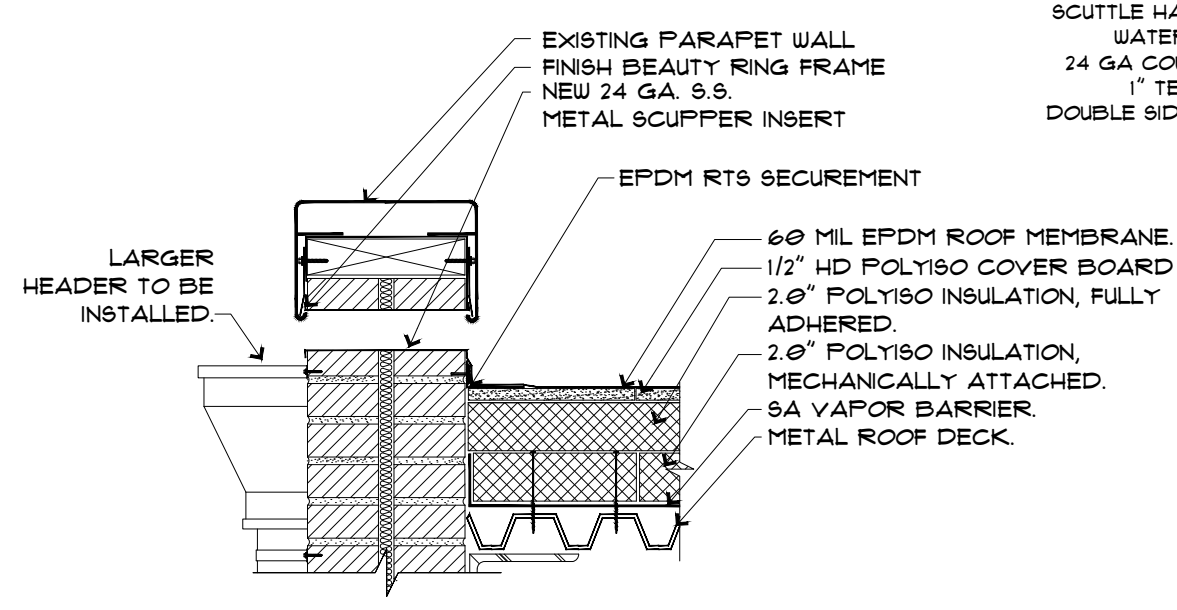
4 SKYLIGHT
A303 SCALE: 1/2" = 1'



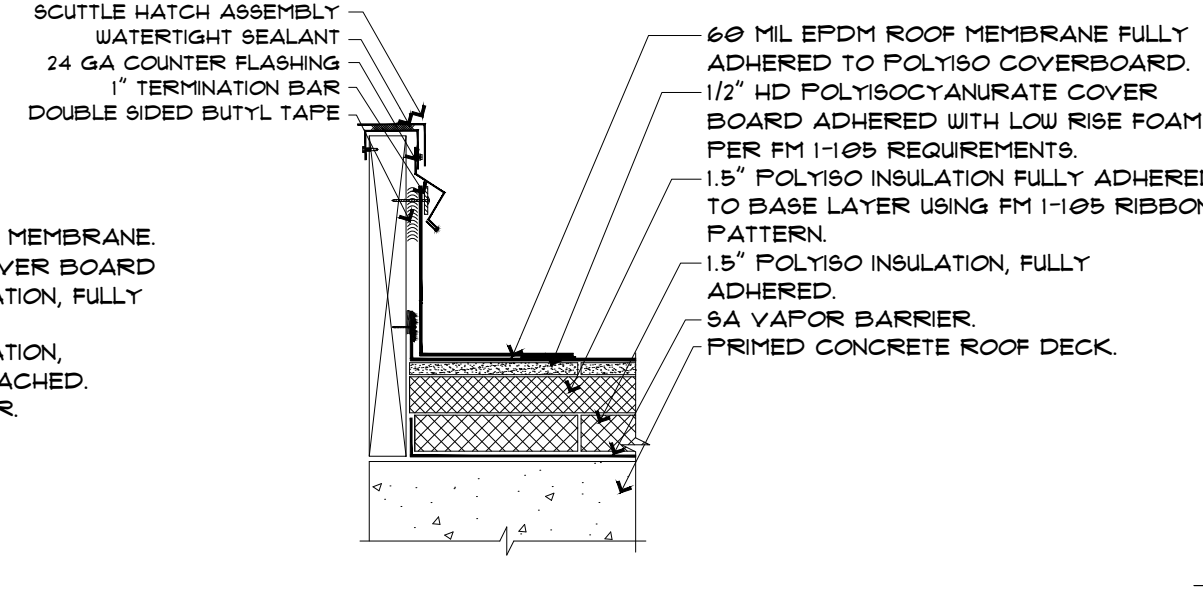
5 CURB FLASHING
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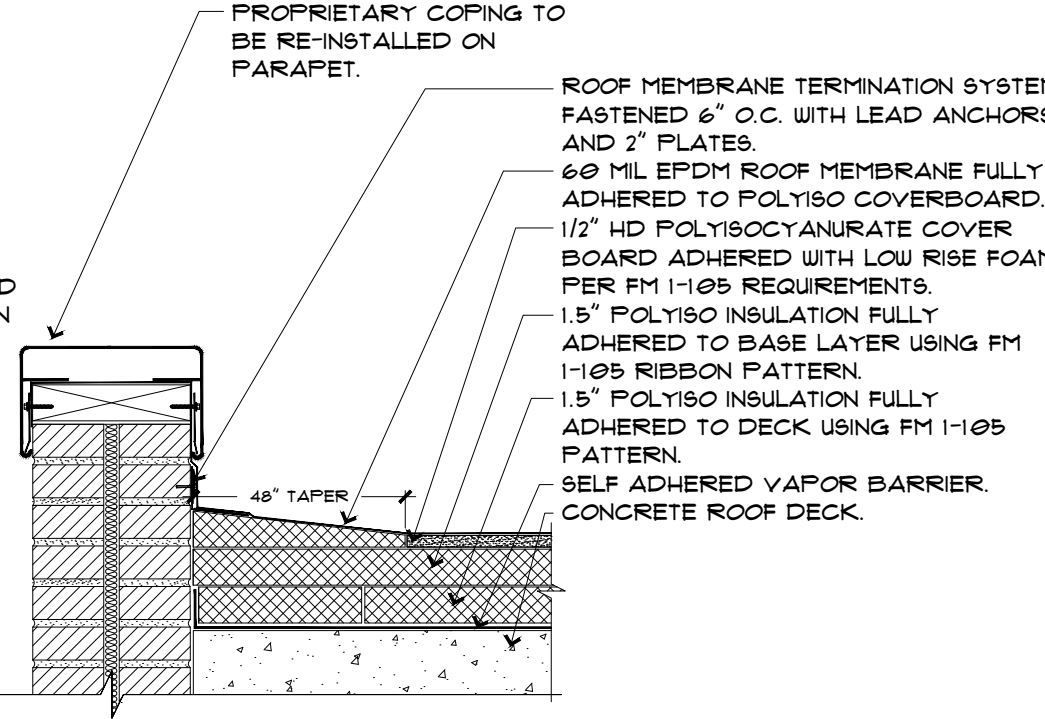
6 LOW PARAPET
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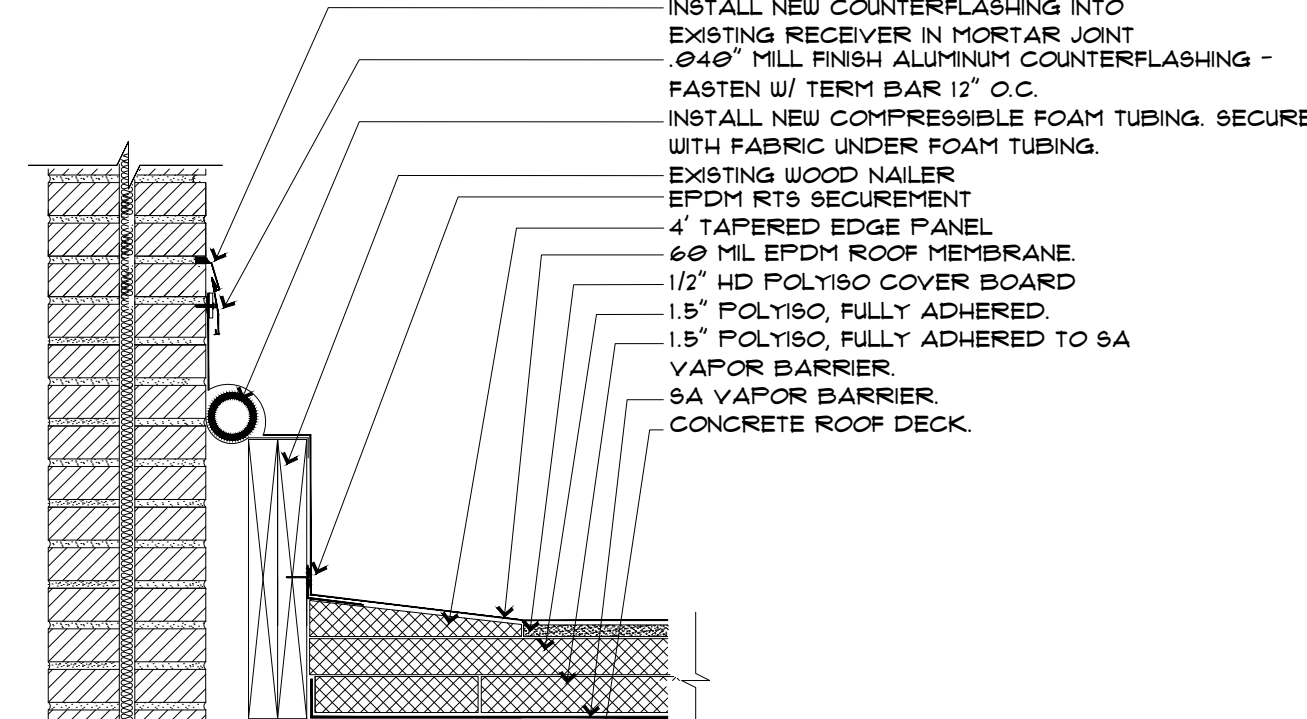
7 THROUGH-WALL SCUPPER
A303 SCALE: 1/2" = 1'



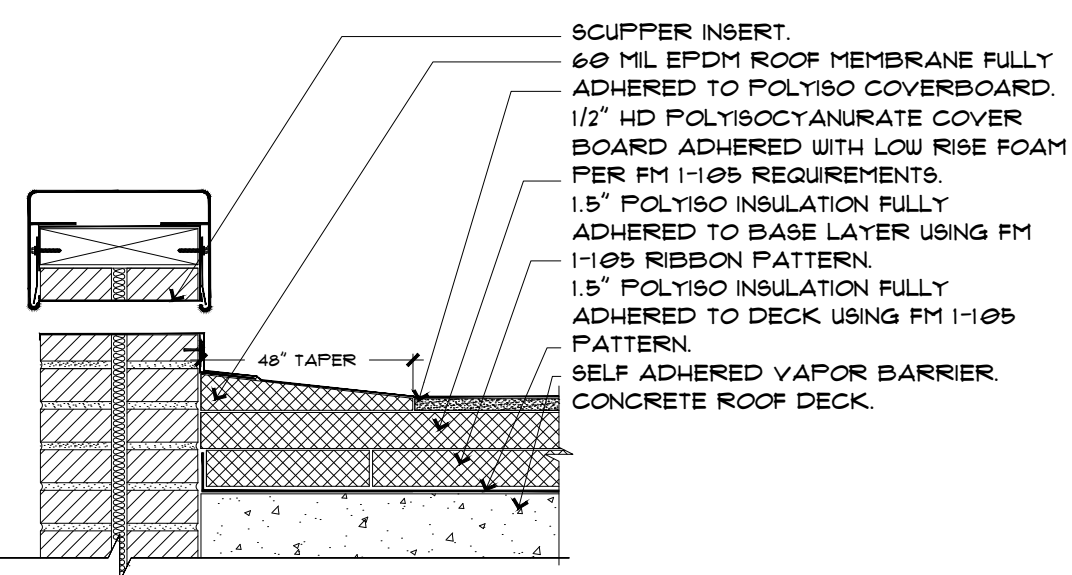
8 SCUTTLE HATCH
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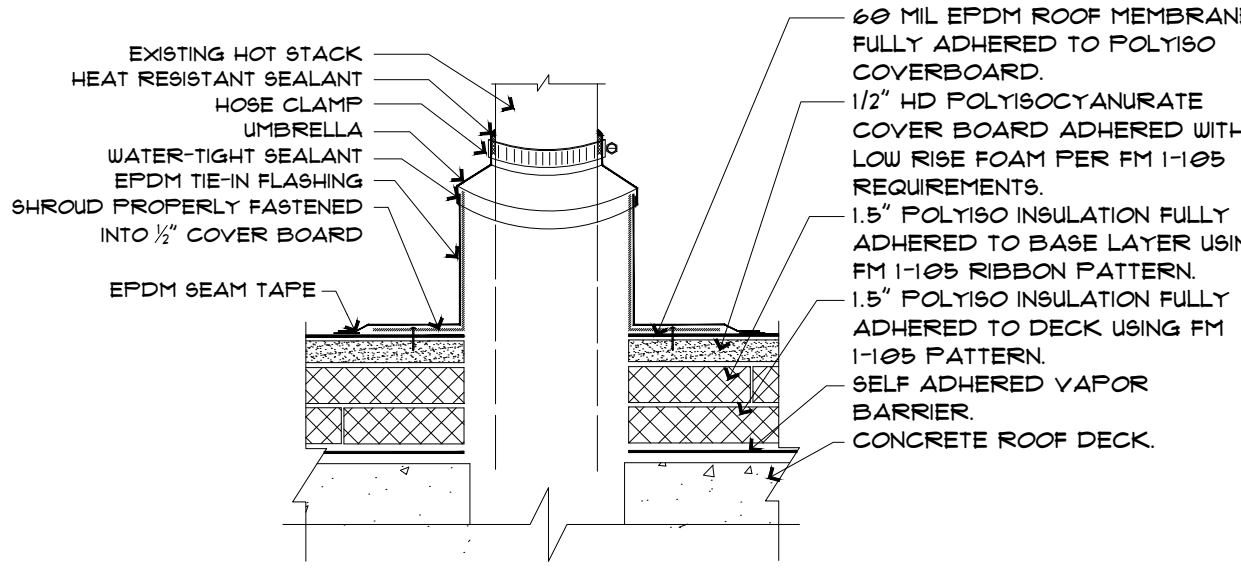
9 TAPERED EDGE
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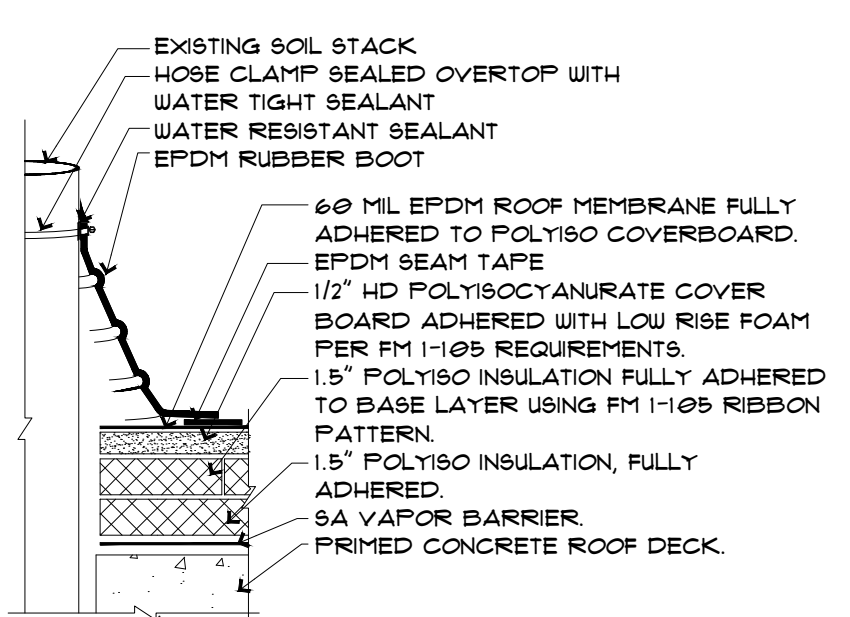
10 WALL EXPANSION
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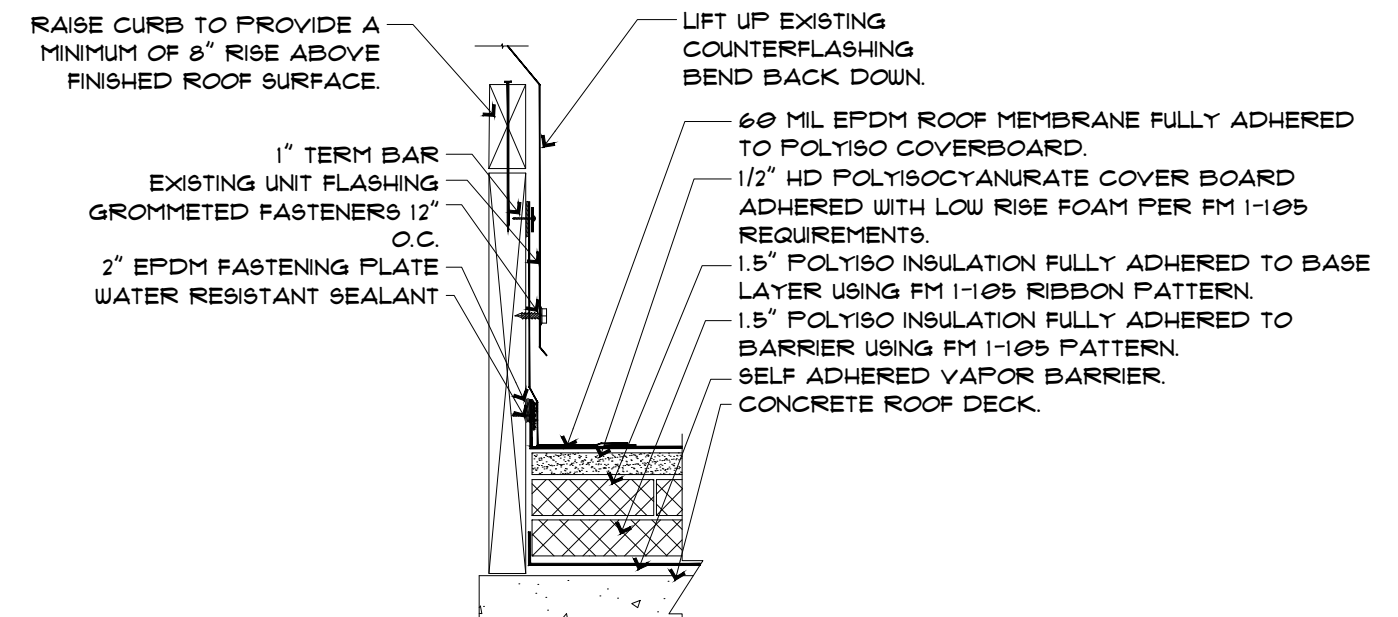
11 OVERFLOW ADDITION
A303 SCALE: 1/2" = 1'



12 HOT STACK
A303 SCALE: 1/2" = 1'

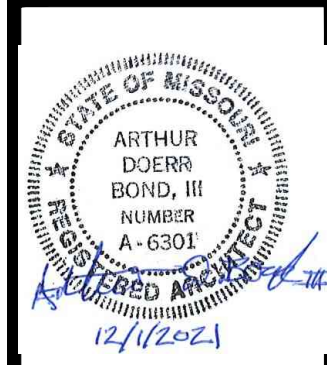


13 SOIL STACK
A303 SCALE: 1/2" = 1'



14 CURB FLASHING
A303 SCALE: 1/2" = 1'

NOTES:
- REPLACE STRAINER IF MISSING, BROKEN, OR MADE OF PLASTIC.
- REPLACE DRAIN FASTENING HARDWARE IF BROKEN OR MISSING.



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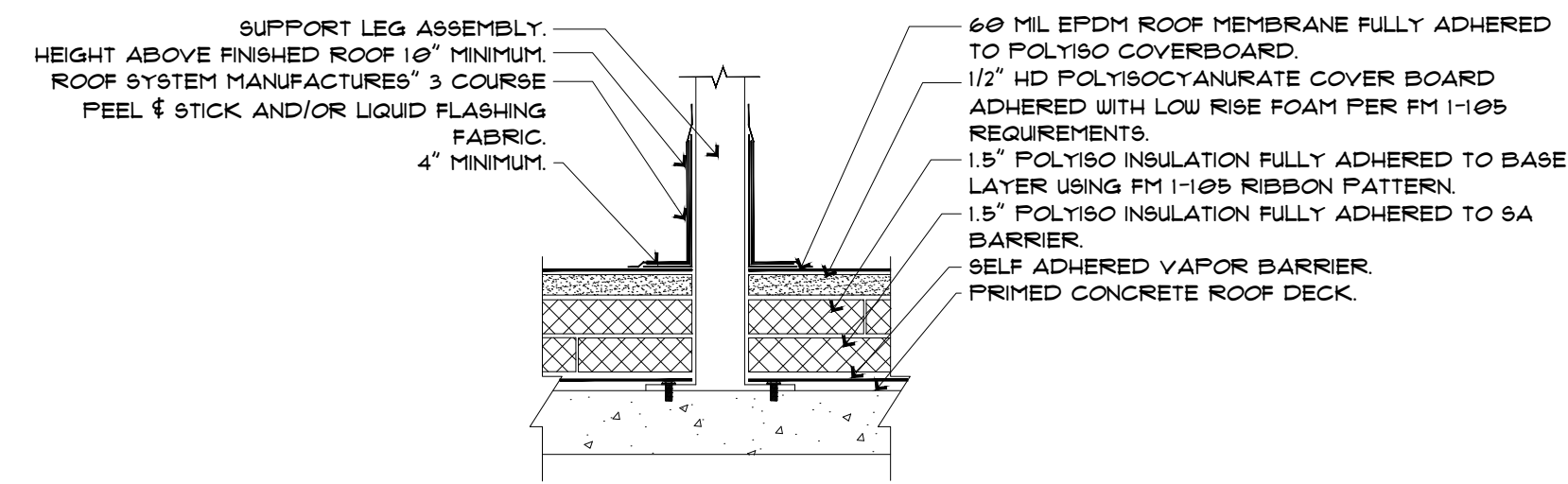
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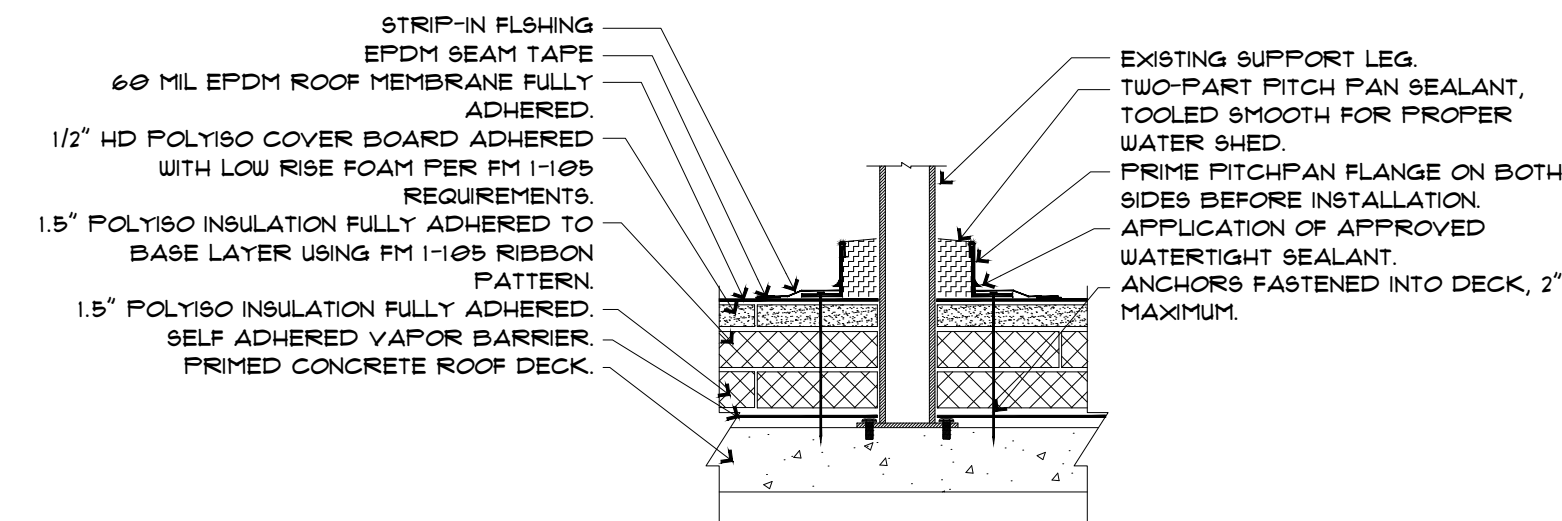
VARIOUS LOCATIONS - ROOF REPLACEMENTS
VETERINARY MEDICINE EAST
COLUMBIA, BOONE COUNTY, MISSOURI, 65211
ROOF DETAILS

PROJECT NUMBER
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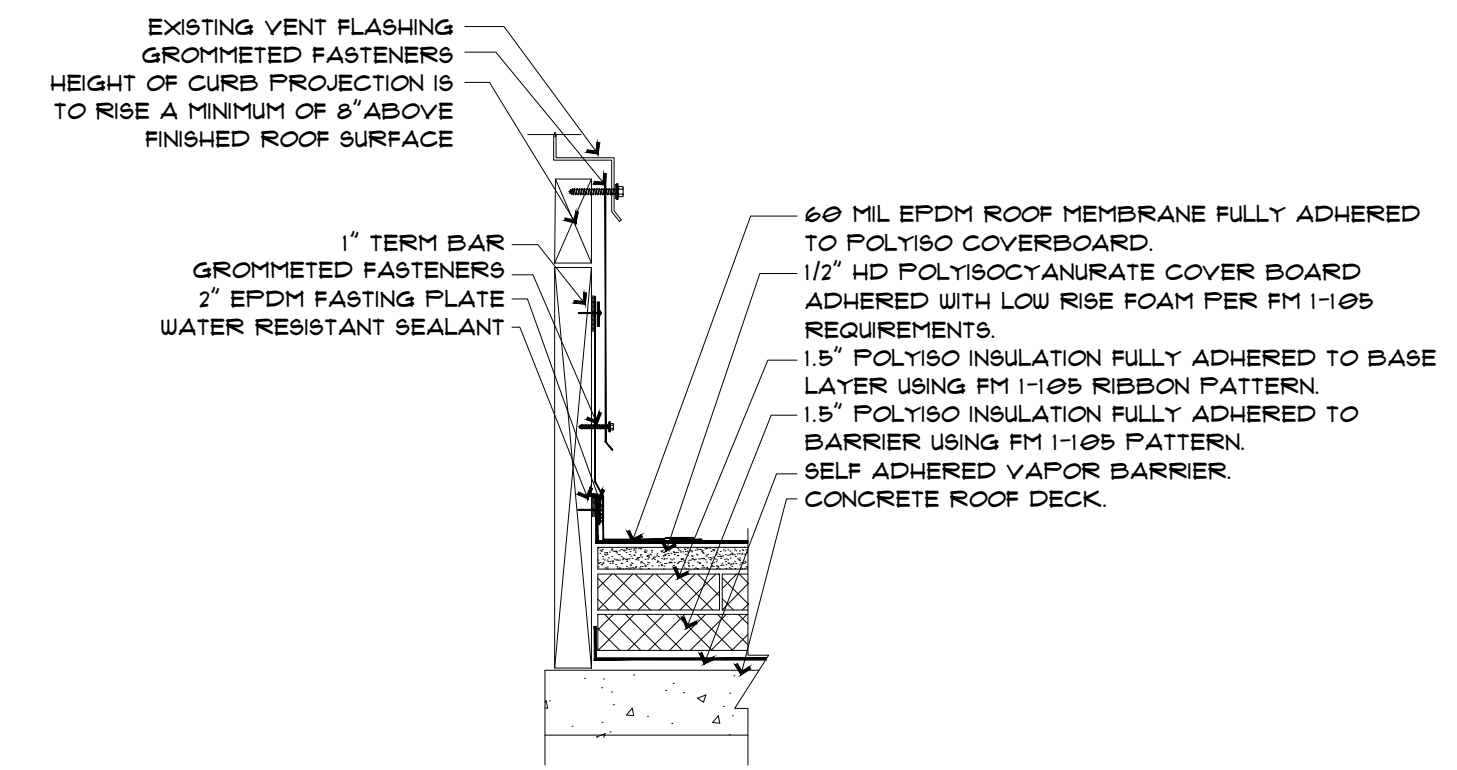
SHEET
A303 OF 17



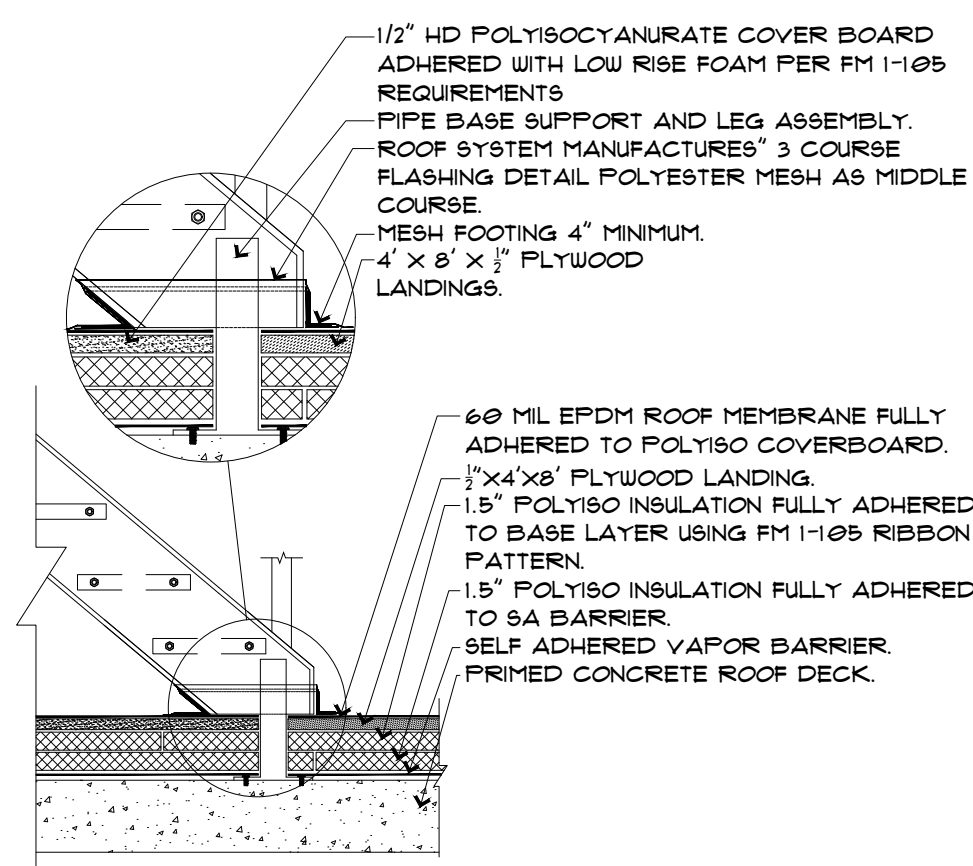
15 EQUIPMENT SUPPORT
A304 SCALE: 1/2" = 1'



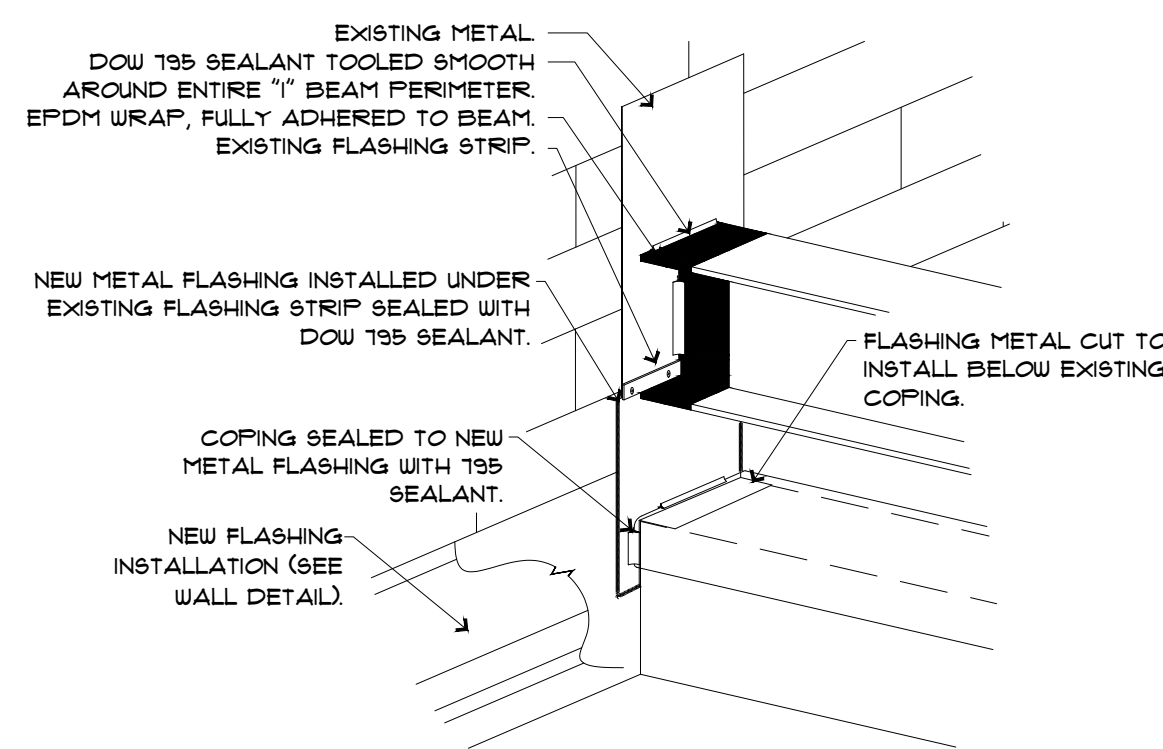
16 PITCH PAN DETAIL
A304 SCALE: 1/2" = 1'



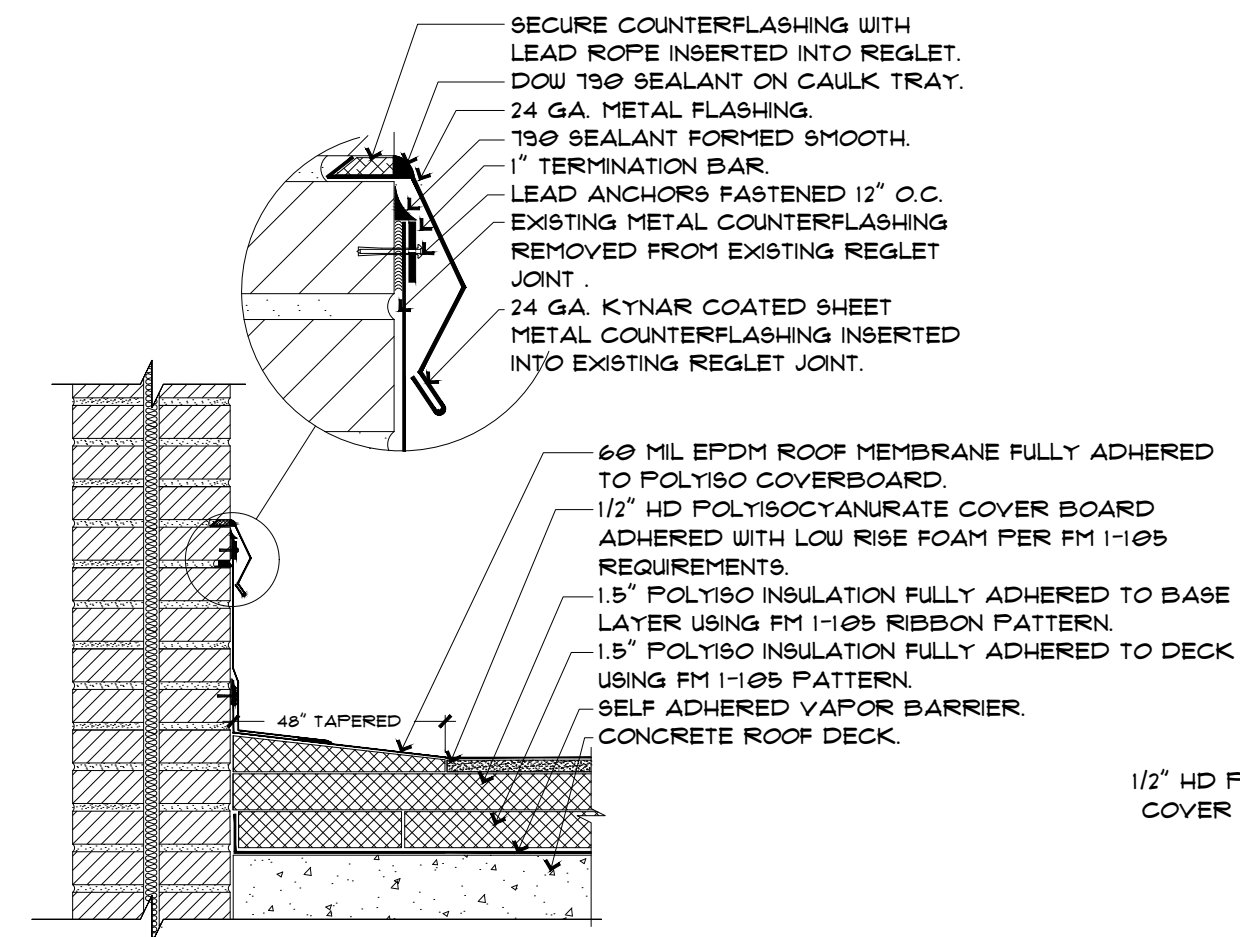
17 CURB DETAIL
A304 SCALE: 1/2" = 1'



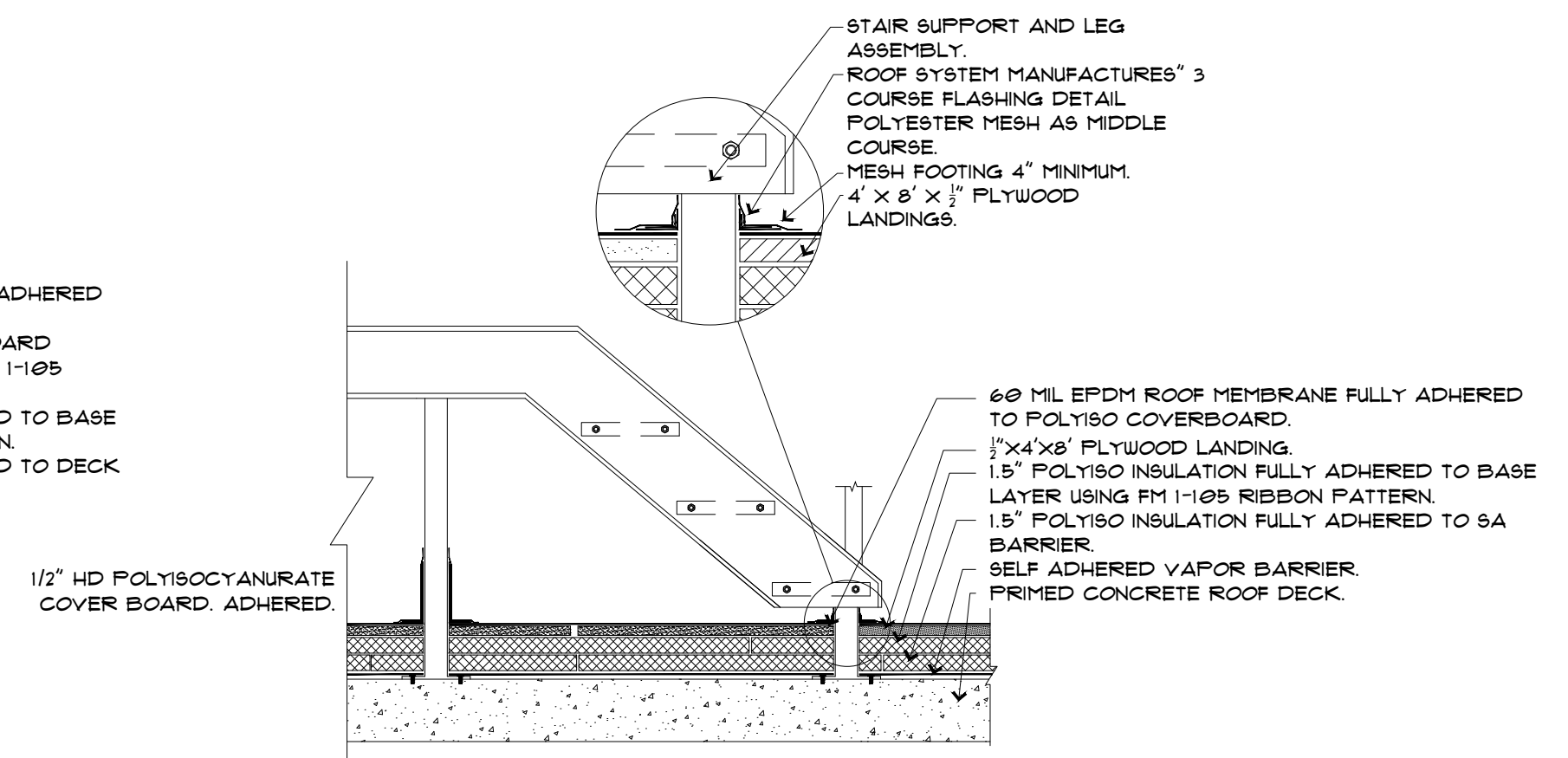
18 STAIR SUPPORT
A304 SCALE: NTS



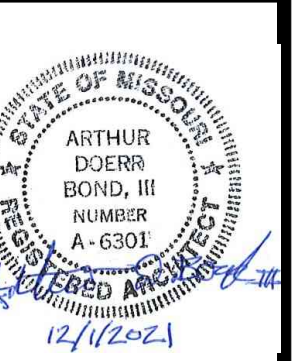
19 1/4" BEAM DETAIL
A304 SCALE: NTS



20 WALL DETAIL
A304 SCALE: 1/2" = 1'



21 STAIR SUPPORT LEG
A304 SCALE: NTS



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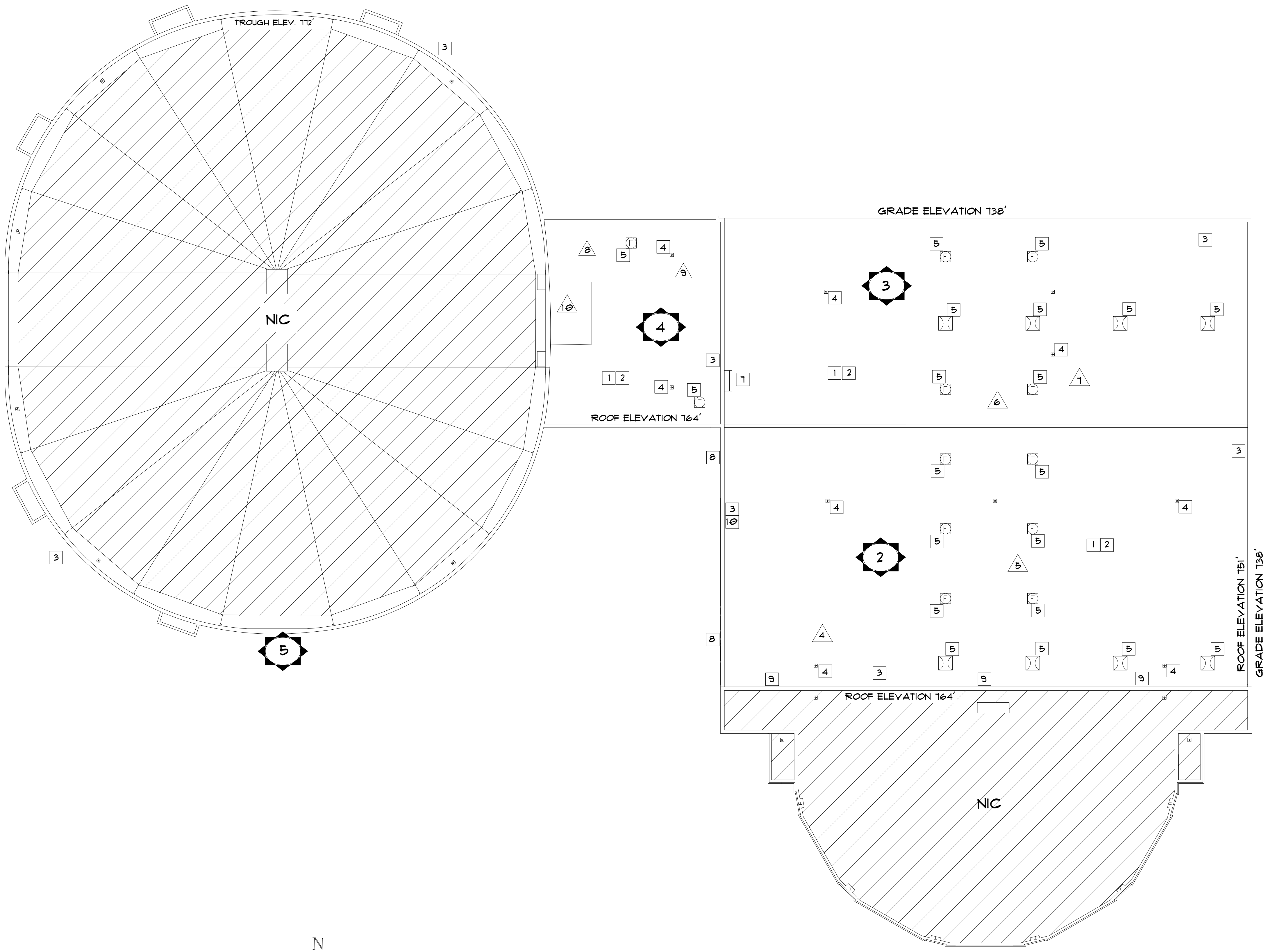
12/07/21	ISSUED FOR CONSTRUCTION	DRAWN BY: JIG	CHECKED BY: KFO
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RMT ROOFING AND WATERPROOFING CONSULTANTS, INC.
410 SOVEREIGN COURT #18
MANCHESTER, MO 63011
(636) 381-1215

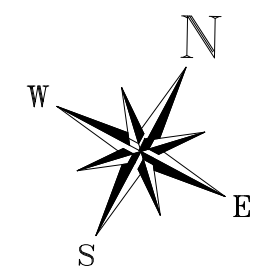
VARIOUS LOCATIONS - ROOF REPLACEMENTS
VETERINARY MEDICINE EAST
COLUMBIA, BOONE COUNTY, MISSOURI, 65211
ROOF DETAILS

PROJECT NUMBER
CP220471

SHEET
A304 OF 17



1 DEMOLITION PLAN
 A401 SCALE: 1/8" = 1'



EXISTING CONSTRUCTION:

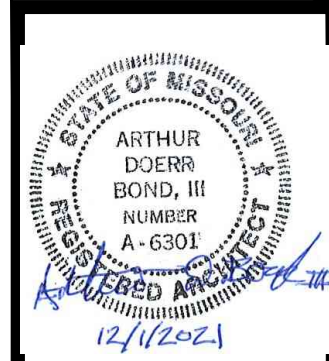
- CORE 1 - TECTUM, 2 FLY NAILED BASE WITH HOT, 4 1/2" TAPERED POLY ISO, 1" POLY ISO HOT, FULLY ADHERED EPDM (5 1/2" TOTAL)
- CORE 2 - TECTUM, 2 FLY NAILED BASE IN HOT, 1" POLY ISO, 2" POLY ISO, FULLY ADHERED EPDM (3" TOTAL THICKNESS)
- CORE 3 - CONCRETE, 2 FLY HOT, 1 POLY ISO, 2" POLY ISO, FULLY ADHERED EPDM (3" TOTAL THICKNESS)
- CORE 4 - CONCRETE, 2 FLY HOT, 2" TAPERED POLY ISO, FULLY ADHERED EPDM (2" TOTAL THICKNESS)
- CORE 5 - CONCRETE, 2 FLY HOT, 2" TAPERED POLY ISO, 1" TAPERED POLY ISO, FULLY ADHERED EPDM (3" TOTAL THICKNESS)
- CORE 6 - CONCRETE, 2 FLY HOT, 4" TAPERED POLY ISO, 1 1/4" TAPERED POLY ISO, FULLY ADHERED EPDM (6" TOTAL THICKNESS)
- CORE 7 - CONCRETE, 2 FLY HOT, 2" TAPERED POLY ISO, 2" TAPERED POLY ISO, EPDM FULLY ADHERED (4" TOTAL THICKNESS)
- CORE 8 - TECTUM, 1 FLY NAILED BASE, 1 FLY HOT, 4 1/2" TAPERED POLY ISO, 1" TAPERED POLY ISO, FULLY ADHERED EPDM
- CORE 9 - TECTUM, 1 FLY NAILED BASE, 1 FLY HOT, 1 1/2" TAPERED POLY ISO, FULLY ADHERED EPDM (2" TOTAL THICKNESS)
- CORE 10 - TECTUM, 1 FLY NAILED BASE, 1 FLY HOT, 1/2" TAPERED POLY ISO, FULLY ADHERED EPDM (1/2" TOTAL THICKNESS)

DEMOLITION NOTES:

1. REMOVE EXISTING ROOF SYSTEM ASSEMBLY DOWN TO STRUCTURAL DECK SUBSTRATE.
2. REMOVE VAPOR BARRIER IN ITS ENTIRETY.
3. REMOVE ALL ASSOCIATED SHEET METAL DETAILS.
4. EXISTING ROOF DRAINS TO REMAIN.
5. EXISTING CURB MOUNTED EQUIPMENT TO REMAIN.
6. EXISTING PLUMBING VENTS TO REMAIN.
7. EXISTING LADDER TO REMAIN ON WALL.
8. REMOVE FENCE FROM EXTERIOR WALL ON ROOF SECTION 2.
9. DO NOT REMOVE COPPER REGLET ON ROOF #2, USE FOR INSTALLATION OF NEW COUNTERFLASHING.
10. COORDINATE ABATEMENT OF TRANSITE SOIL STACK.

- 2 11,150 S.F. IN AREA
- 3 8,681 S.F. IN AREA
- 4 2,893 S.F. IN AREA

LEGEND	
1	DEMOLITION KEY NOTE
+	ROOF DRAIN
F	EXHAUST FAN
△	CORE EXTRACTION
□	AIR INTAKE UNITS
⊙	ROOF AREA IDENTIFIER
■	PITCH PAN
▭	ABANDONED CURB
∩	SCUPPER
⊞	SKYLIGHT



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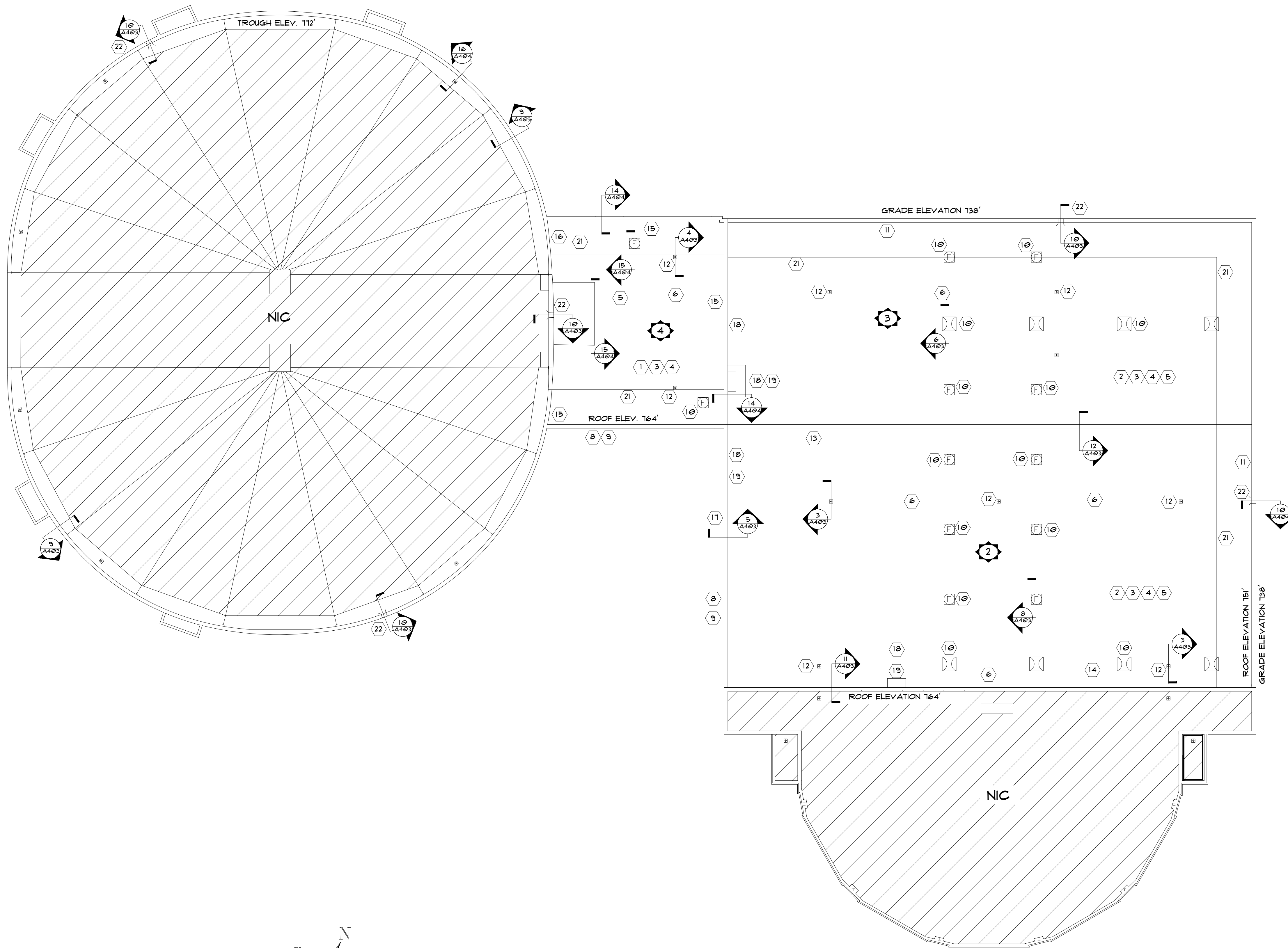
12/07/21 ISSUED FOR CONSTRUCTION
 DRAWN BY: JUG
 CHECKED BY: KFO

RMT RMT ROOFING AND WATERPROOFING CONSULTANTS, INC.
 410 S. WEBSTER COURT #16
 MANCHESTER, MO 63011
 (636)-391-2185

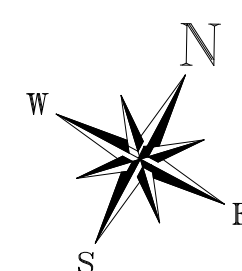
VARIOUS LOCATIONS - ROOF REPLACEMENTS
 TROWBRIDGE CENTER
 COLUMBIA, BOONE COUNTY, MISSOURI, 65211
 DEMOLITION PLAN

PROJECT NUMBER
 CP220471

SHEET
 A401 OF 17



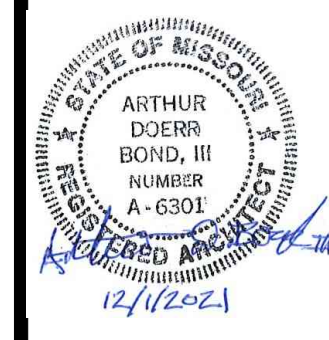
1 RENOVATION PLAN
 A402 SCALE: 1/8" = 1'



RENOVATION NOTES:

1. MECHANICALLY ATTACH NEW BASE SHEET ON TECTUM ROOF DECK.
 2. PRIME CONCRETE ROOF DECK AND INSTALL SELF ADHERED (SA) VAPOR BARRIER TO CONCRETE DECK.
 3. INSTALL 1 1/2" BASE LAYER POLY ISO WITH 1/2" PER FOOT TAPERED INSULATION TO SUBSTRATE.
 4. WITH LOW RISE FOAM, INSTALL 1/2" PER FOOT TAPERED POLY ISO INSULATION ADHERED WITH FM 1-99 REBON METHOD.
 5. INSTALL SINGLE PLY EPDM ROOF MEMBRANE FULLY ADHERED TO 1/2" HD COVERBOARD.
 6. INSTALL 1/2" PER FOOT TAPERED POLY ISO CRICKETS PRIOR TO THE INSTALLATION OF COVER BOARD.
 7. LEAVE EXISTING EPDM ON PLYWOOD WALLS AND RE-FLASH WITH NEW EPDM.
 8. INSTALL EPDM FLASHING UP AND OVER STONE COPING.
 9. INSTALL 24 GA. CLEAT ON EXTERIOR FACE OF STONE COPING FOR THE INSTALLATION OF COVER BOARD.
 10. RAISE ALL CURB VENTS TO ACHIEVE 8" FLASHING HEIGHT.
 11. INSTALLATION OF 24 GA. "CONTINUOUS" CLEAT WITH A 26 GA. KYNAR COATED COPING ANCHORED ON THE INSIDE PORTION OF THE COPING 12" O.C.
 12. INSTALLATION OF TAPERED 4X4 DRAIN SUMP.
 13. INSTALLATION OF HIGH PROFILE EXPANSION JOINT WITH FIRE TREATED OR MARINE GRADE LUMBER AND A SHEET METAL EXPANSION JOINT COVER.
 14. INSTALLATION OF NEW FLASHING, TERMINATION BAR AND COUNTER FLASHING BELOW EXISTING COPPER RECEIVER.
 15. INSTALL 1/2" PLYWOOD AGAINST WALL AND FLASH UP AND OVER STONE COPING.
 16. INSTALLATION OF SURFACE MOUNTED COUNTER FLASHING DETAIL.
 17. INSTALLATION OF NEW WALL MOUNTED FENCING AND COPING.
 18. INSTALLATION OF NEW WALK PADS AT DOORS AND ALL ROOF TOP EGRESSES.
 19. INSTALL 4"x8"x1/2" FLY WOOD AT DOOR EGRESSES AND LADDER ACCESSSES.
 20. APPLY DOUBLE SIDED BUTYL TAPE TO ALL SURFACES PRIOR TO THE INSTALLATION OF TERMINATION BAR OR SURFACE MOUNTED COUNTER FLASHING.
 21. YELLOW MARKED WARNING LINE 10' FROM PERIMETER.
 22. INSTALL OVERFLOW DRAINS.
- 2 11,150 S.F. IN AREA
 3 8,681 S.F. IN AREA
 4 2,893 S.F. IN AREA

LEGEND	
(1)	RENOVATION KEY NOTE
+	ROOF DRAIN
F	EXHAUST FAN
△	CORE EXTRACTION
□	AIR INTAKE UNITS
⊙	ROOF AREA IDENTIFIER
■	PITCH FAN
A	ABANDONED CURB
Y	SCUPPER
⊞	SKYLIGHT
—	10' SAFETY LINE



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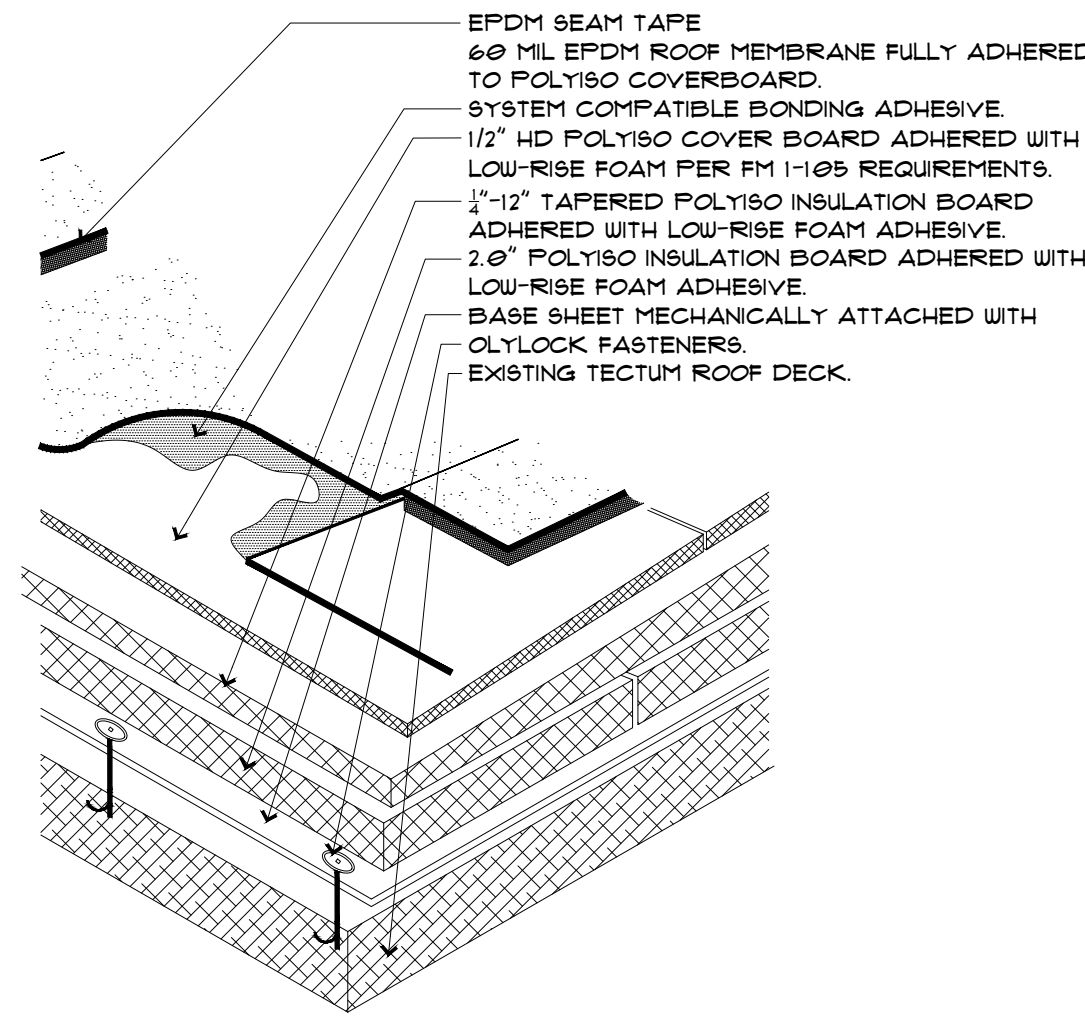
12/07/21	ISSUED FOR CONSTRUCTION	CHECKED BY: KFO
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RMT RMT ROOFING AND WATERPROOFING CONSULTANTS, INC.
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 COLUMBIA, MISSOURI 65211
 (636)-391-2165

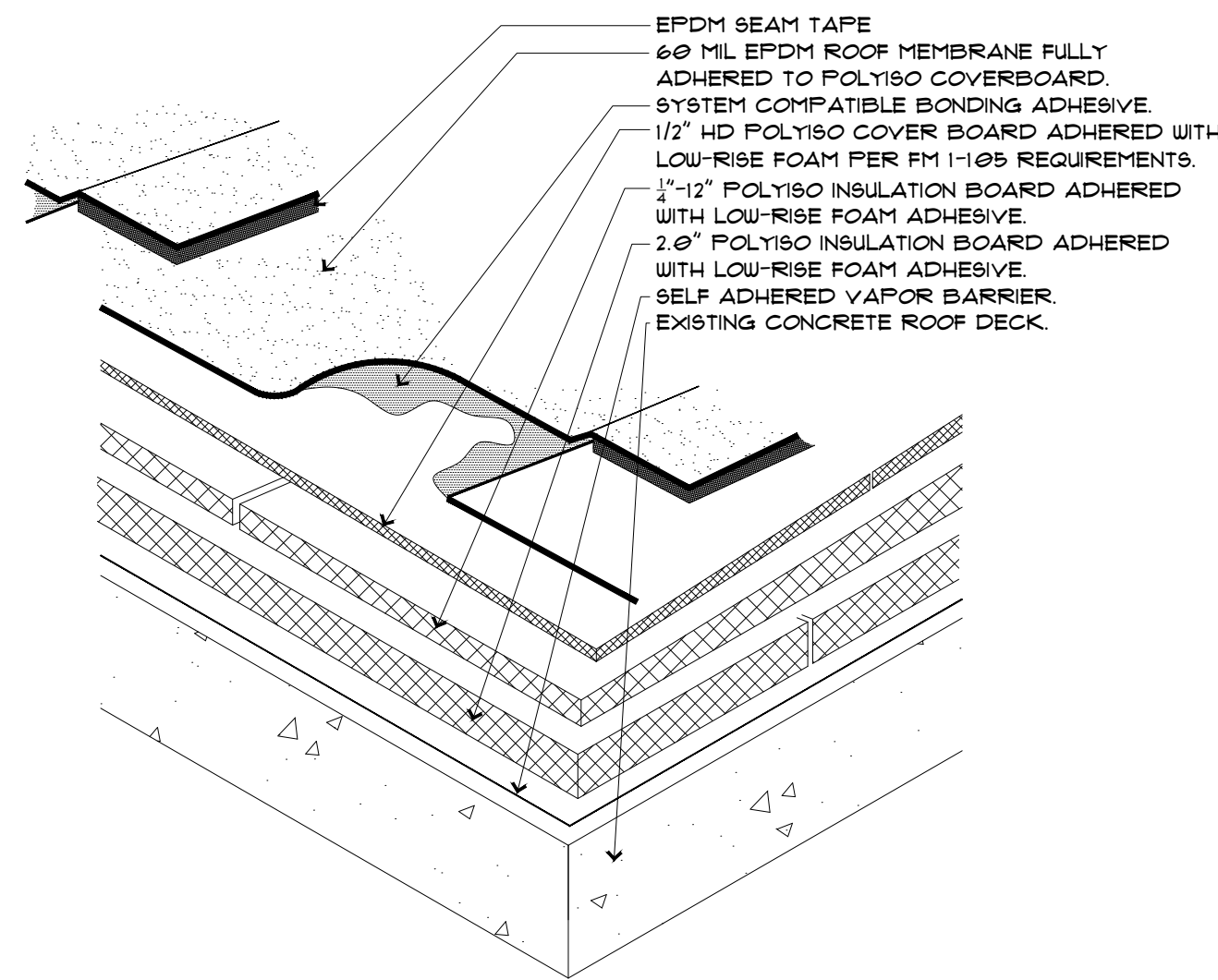
VARIOUS LOCATIONS - ROOF REPLACEMENTS
TROWBRIDGE CENTER
COLUMBIA, BOONE COUNTY, MISSOURI, 65211
RENOVATION PLAN

PROJECT NUMBER
CP220471

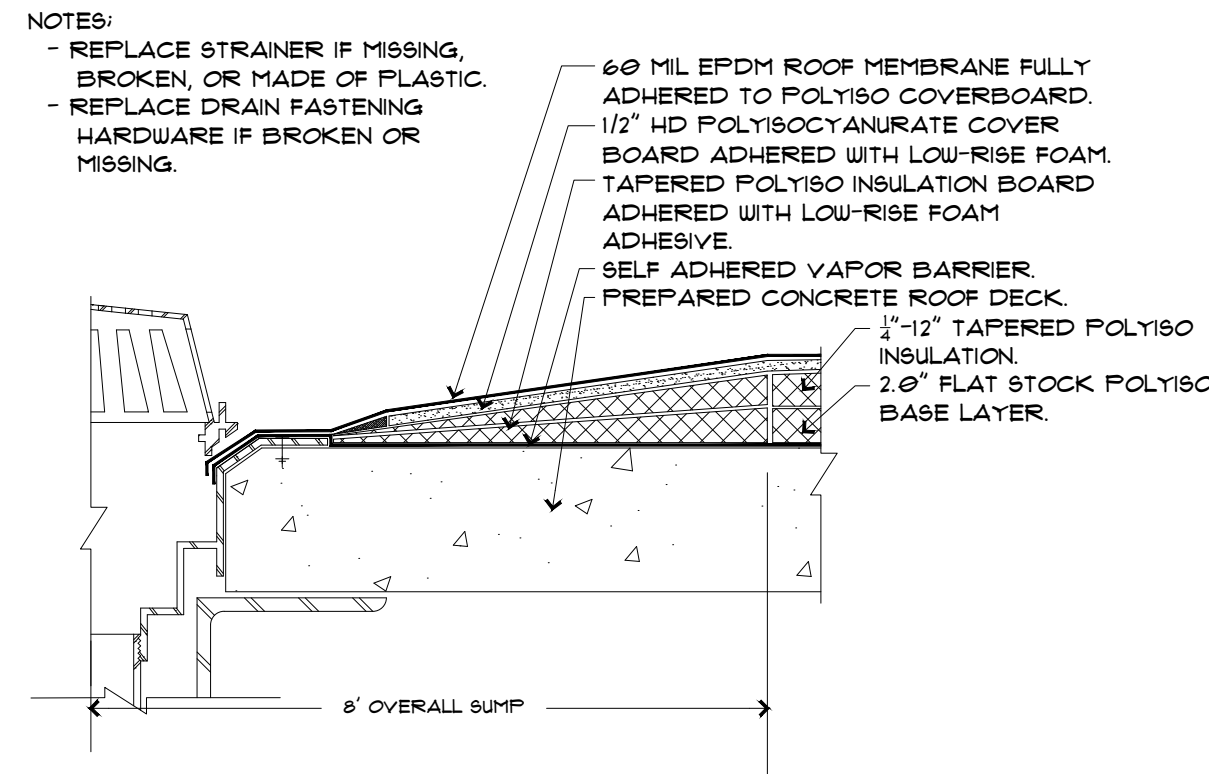
SHEET
A402 of 17



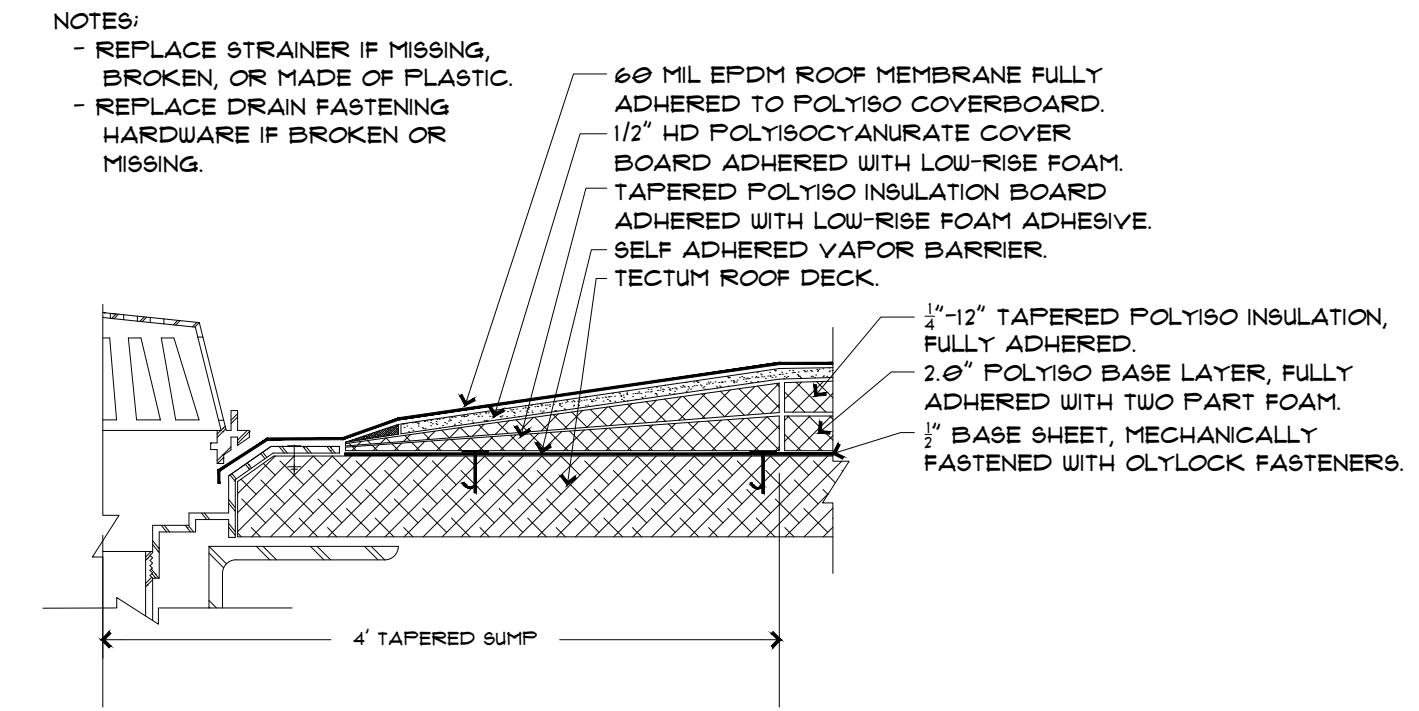
1 FIELD SECTION
A403 SCALE: NTS



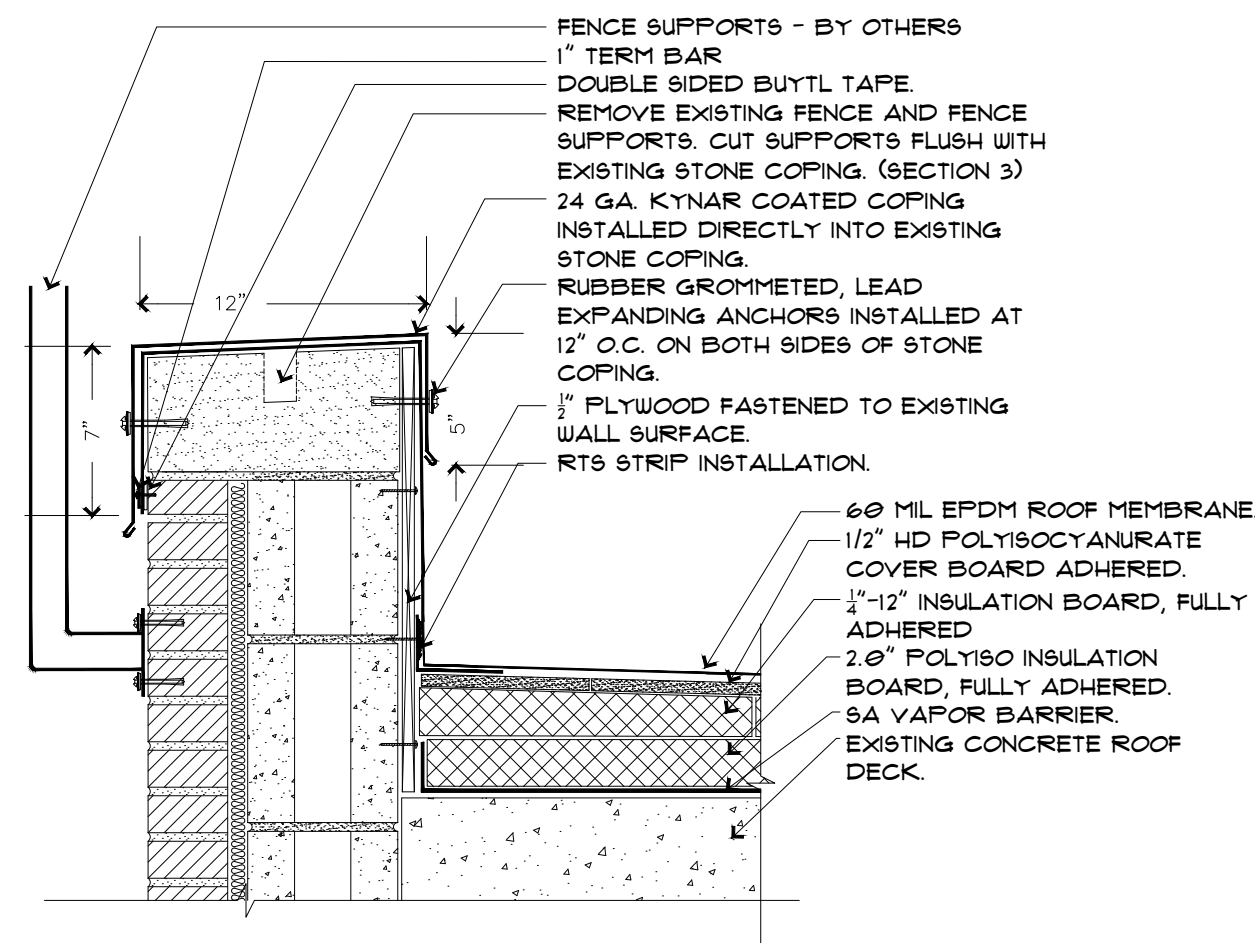
2 FIELD SECTION
A403 SCALE: NTS



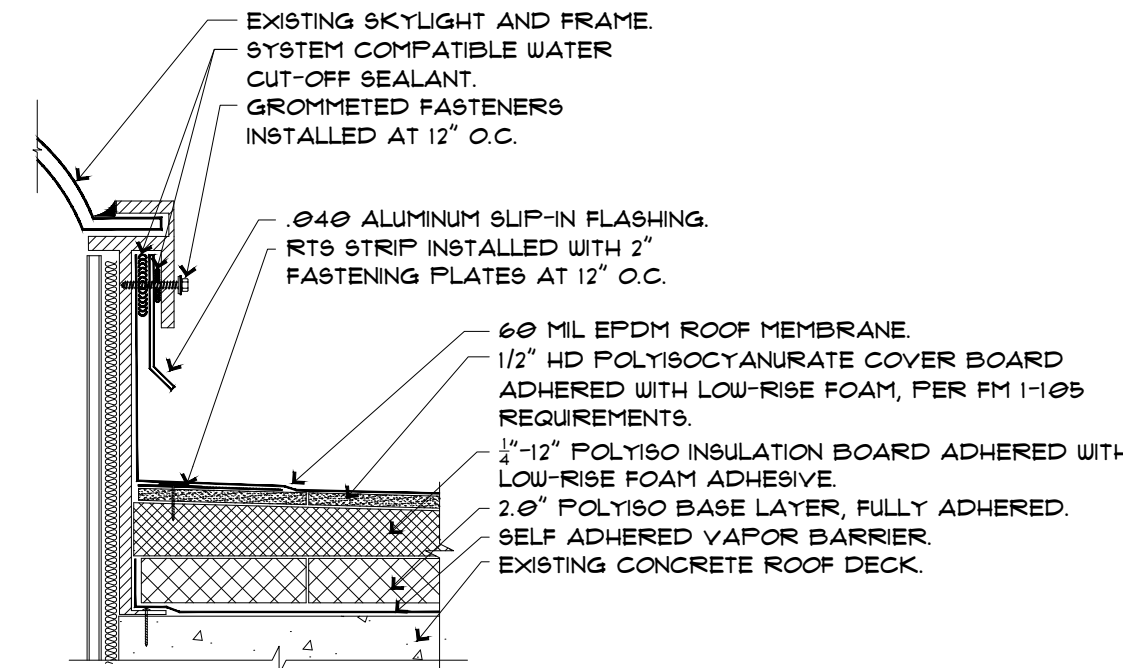
3 DRAIN DETAIL
A403 SCALE: 1 1/2" = 1'



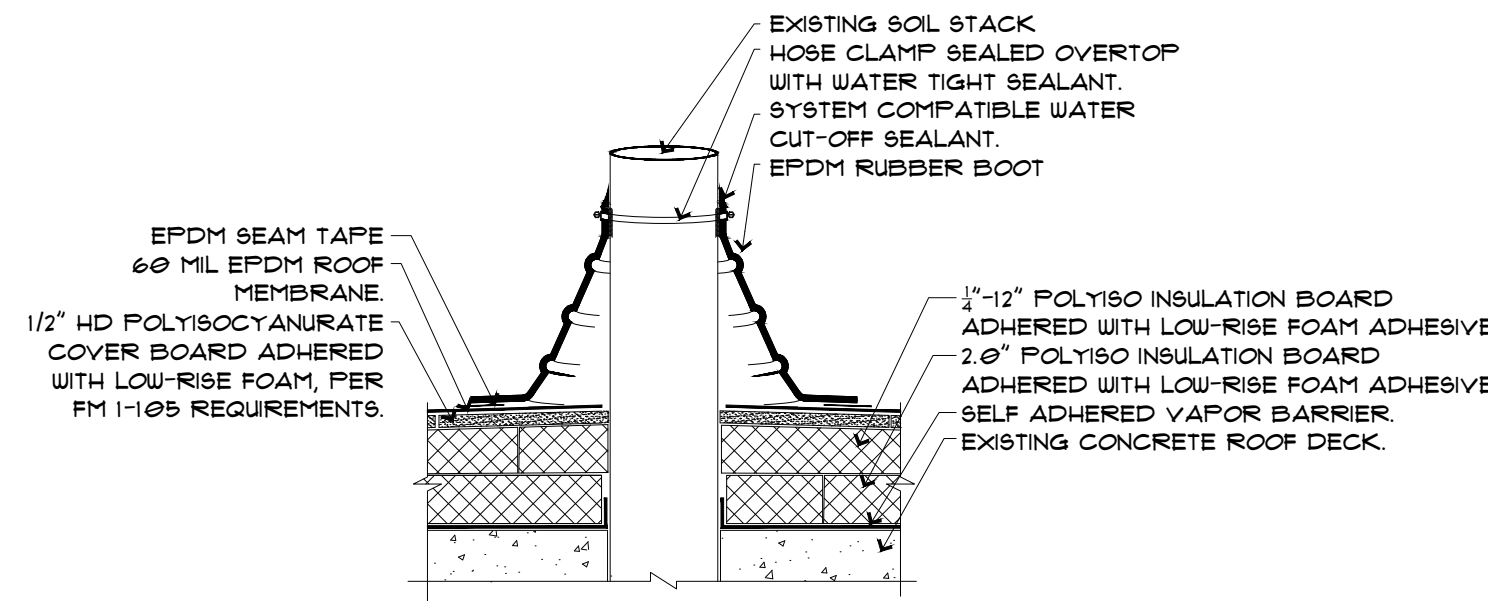
4 DRAIN DETAIL
A403 SCALE: 1 1/2" = 1'



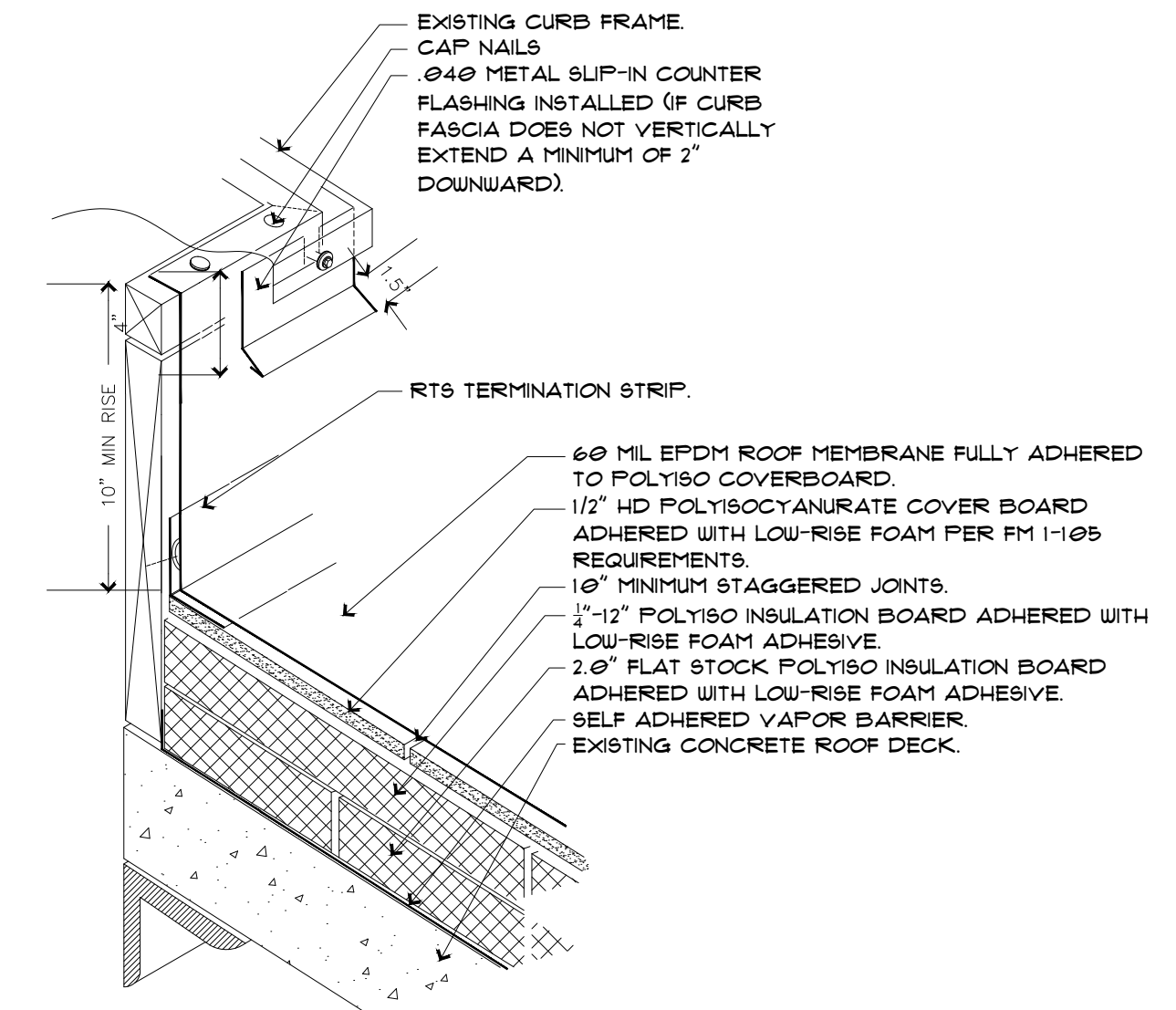
5 PARAPET WALL
A403 SCALE: 1 1/2" = 1'



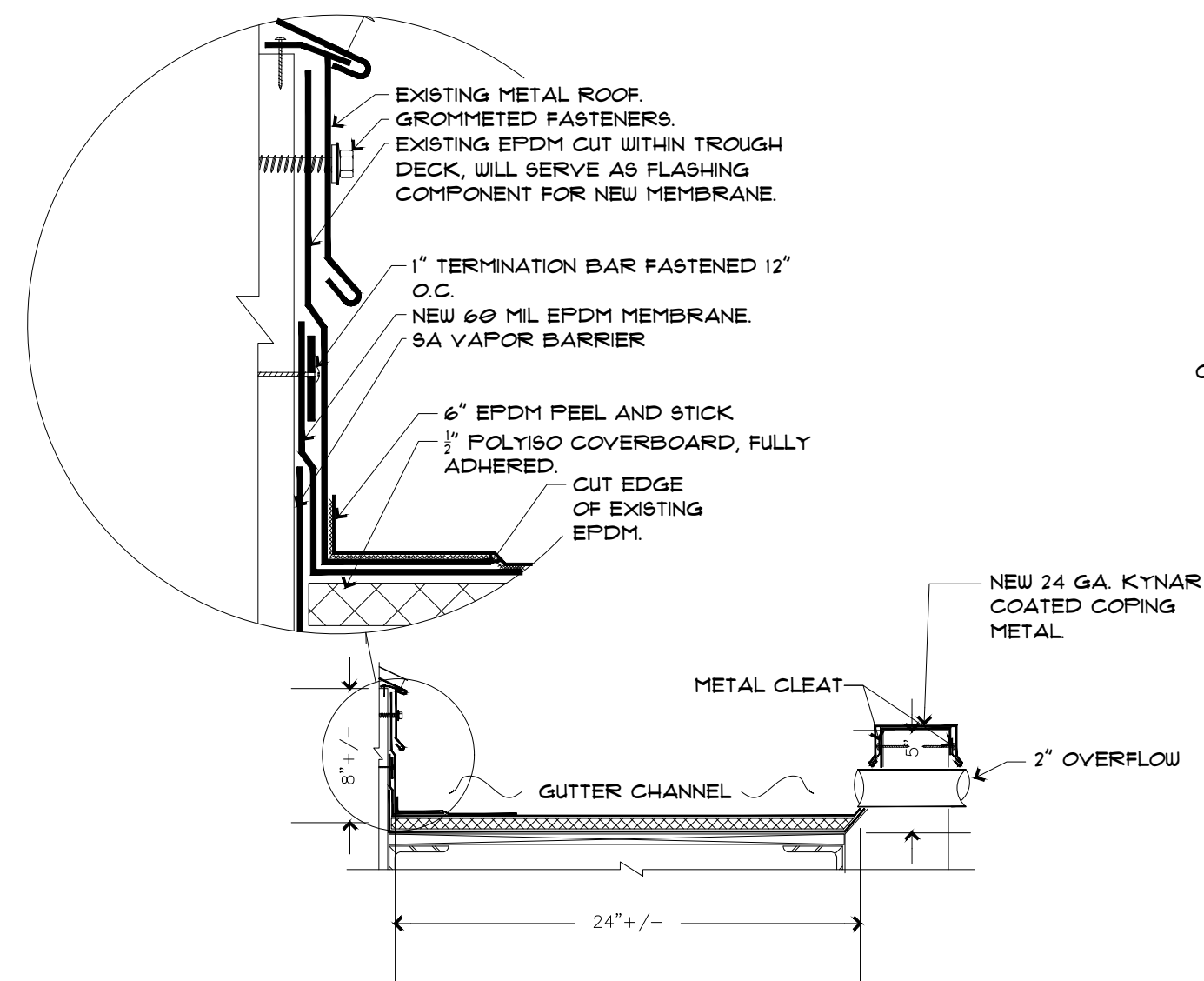
6 SKYLIGHT PROJECTION
A403 SCALE: 1 1/2" = 1'



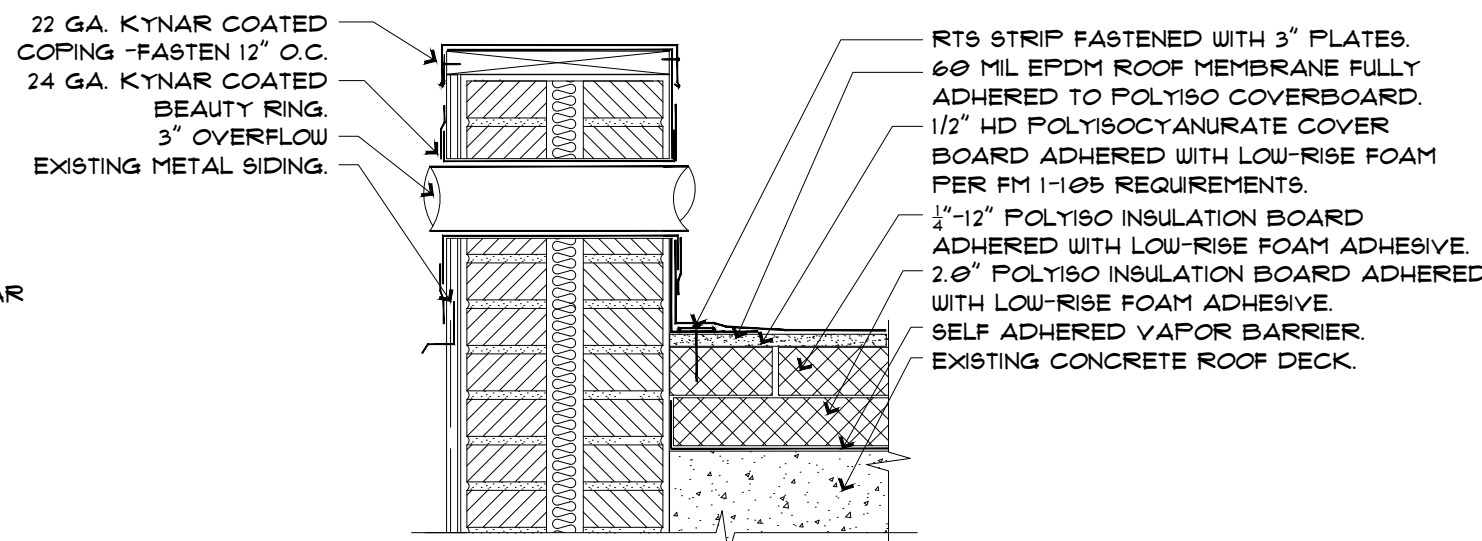
7 SOIL STACK BOOT
A403 SCALE: 1 1/2" = 1'



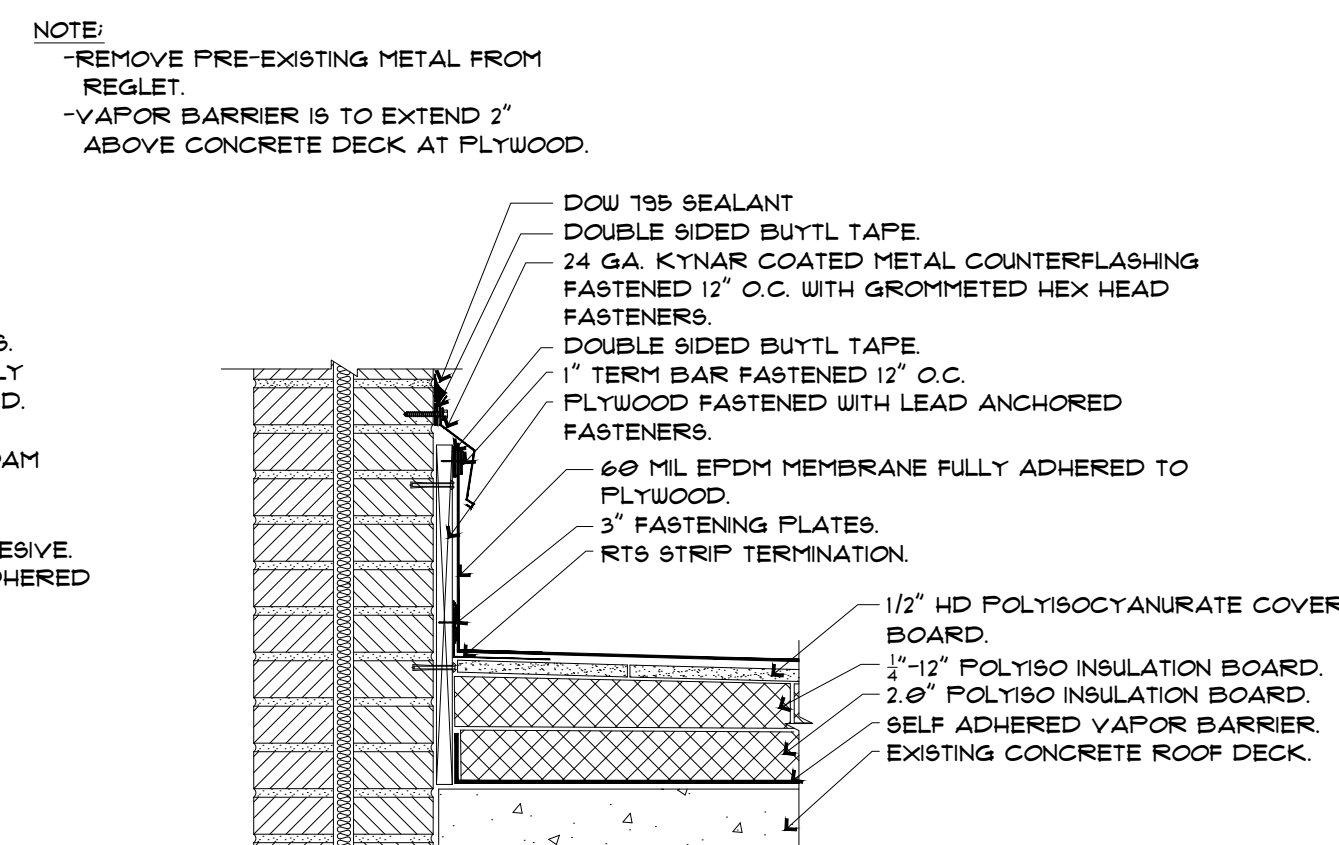
8 CURB PROJECTION
A403 SCALE: NTS



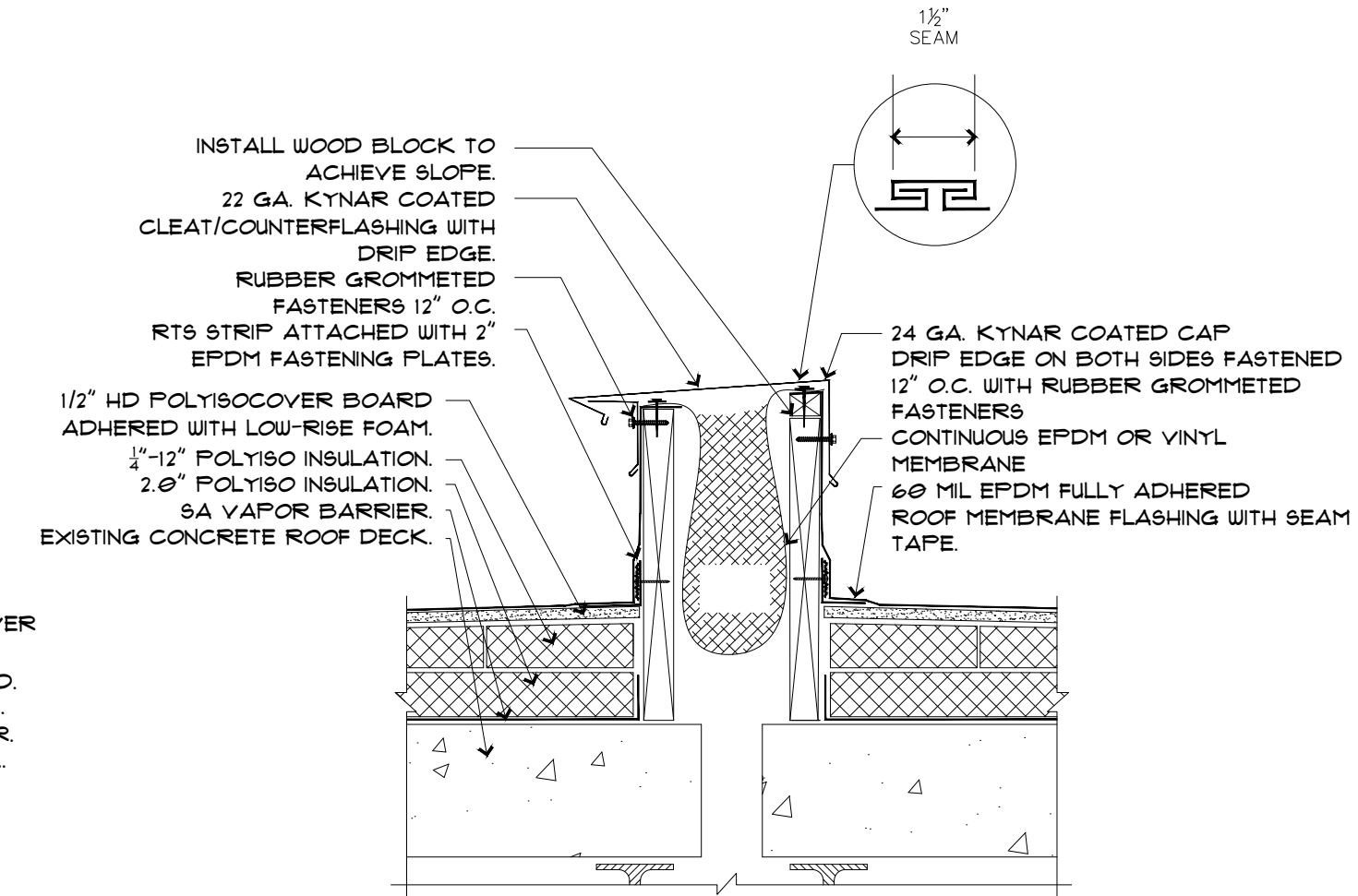
9 GUTTER TROUGH
A403 SCALE: 1 1/2" = 1'



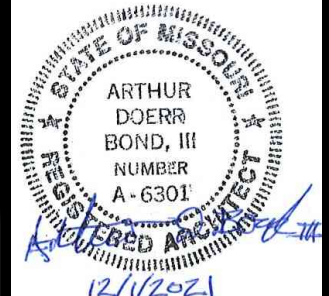
10 THROUGH WALL SCUPPER
A403 SCALE: 1 1/2" = 1'



11 WALL DETAIL
A403 SCALE: 1 1/2" = 1'



12 EXPANSION JOINT CURB
A403 SCALE: 1 1/2" = 1'



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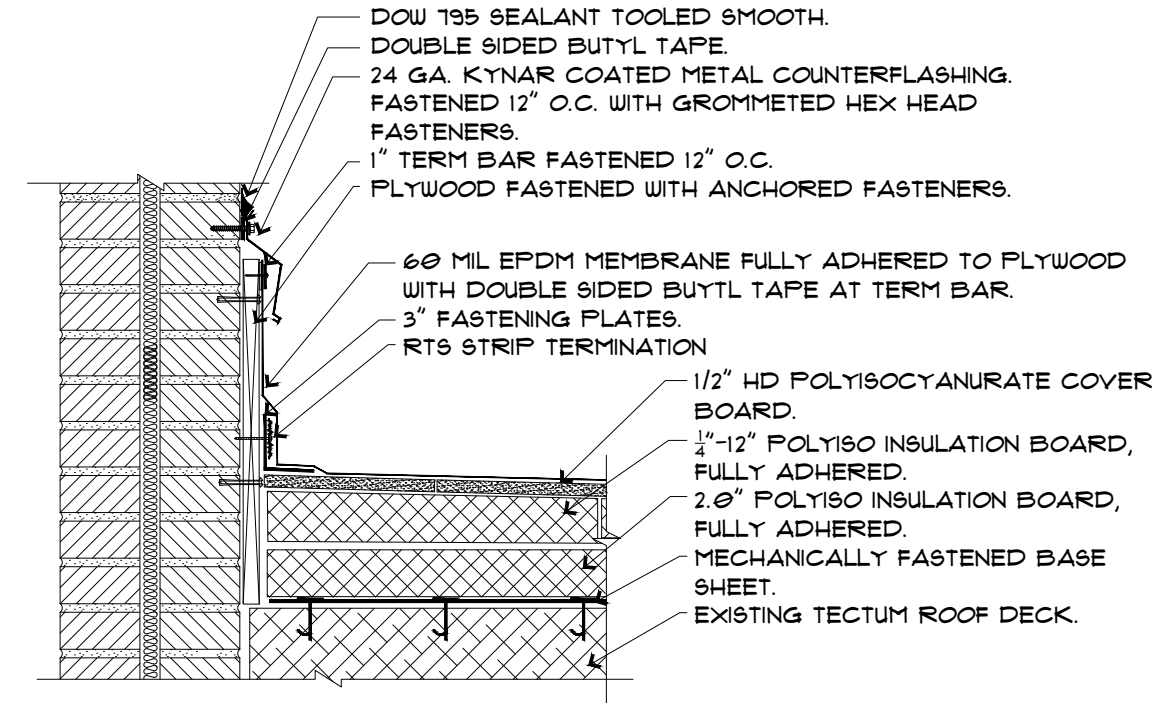
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410 COVERGATE COURT #18
MANCHESTER, MO 63011
(630)-391-1215

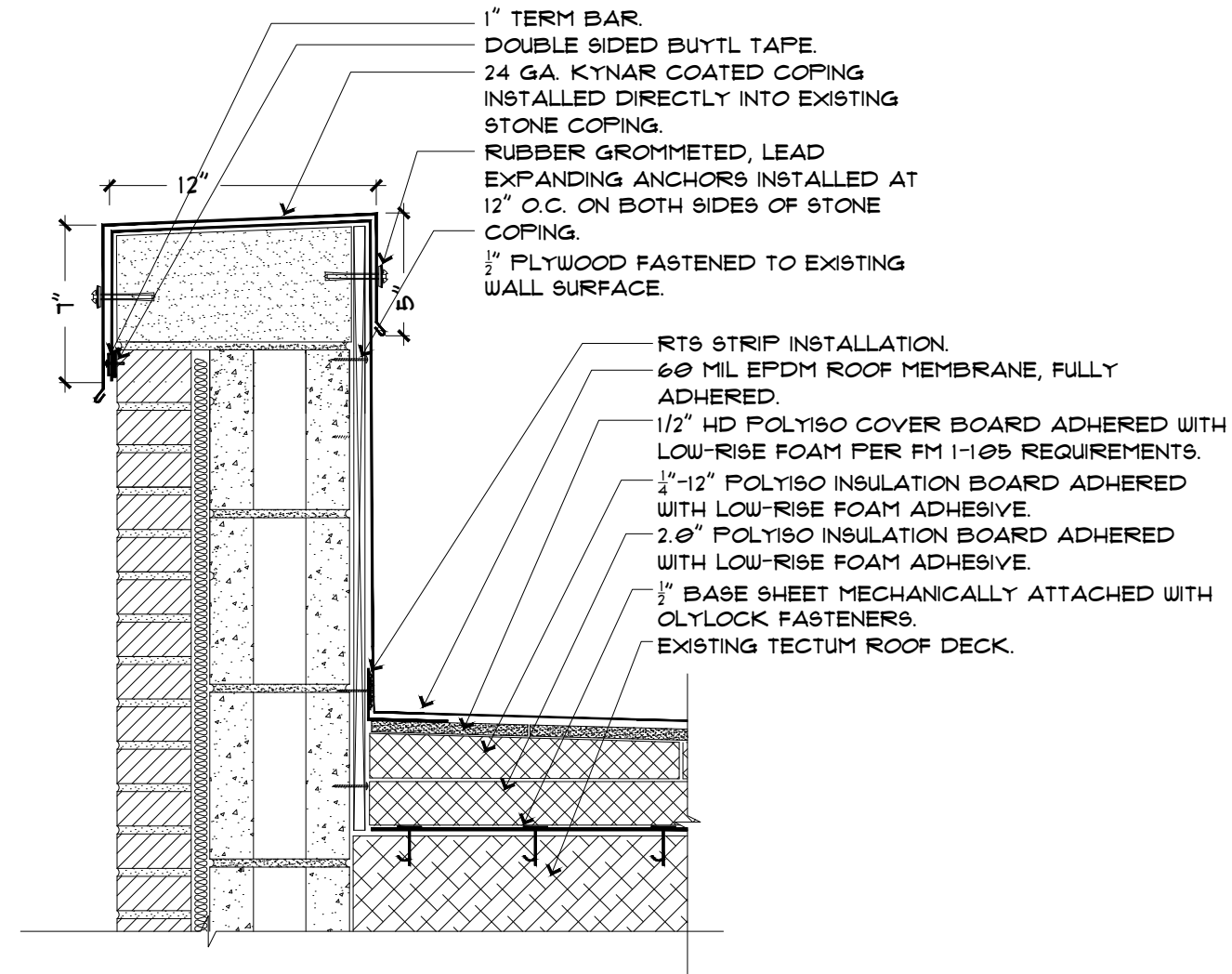
VARIOUS LOCATIONS - ROOF REPLACEMENTS
TROWBRIDGE CENTER
COLUMBIA, BOONE COUNTY, MISSOURI, 65211
ROOF DETAILS

PROJECT NUMBER
CP220471
SHEET
A403 OF 17

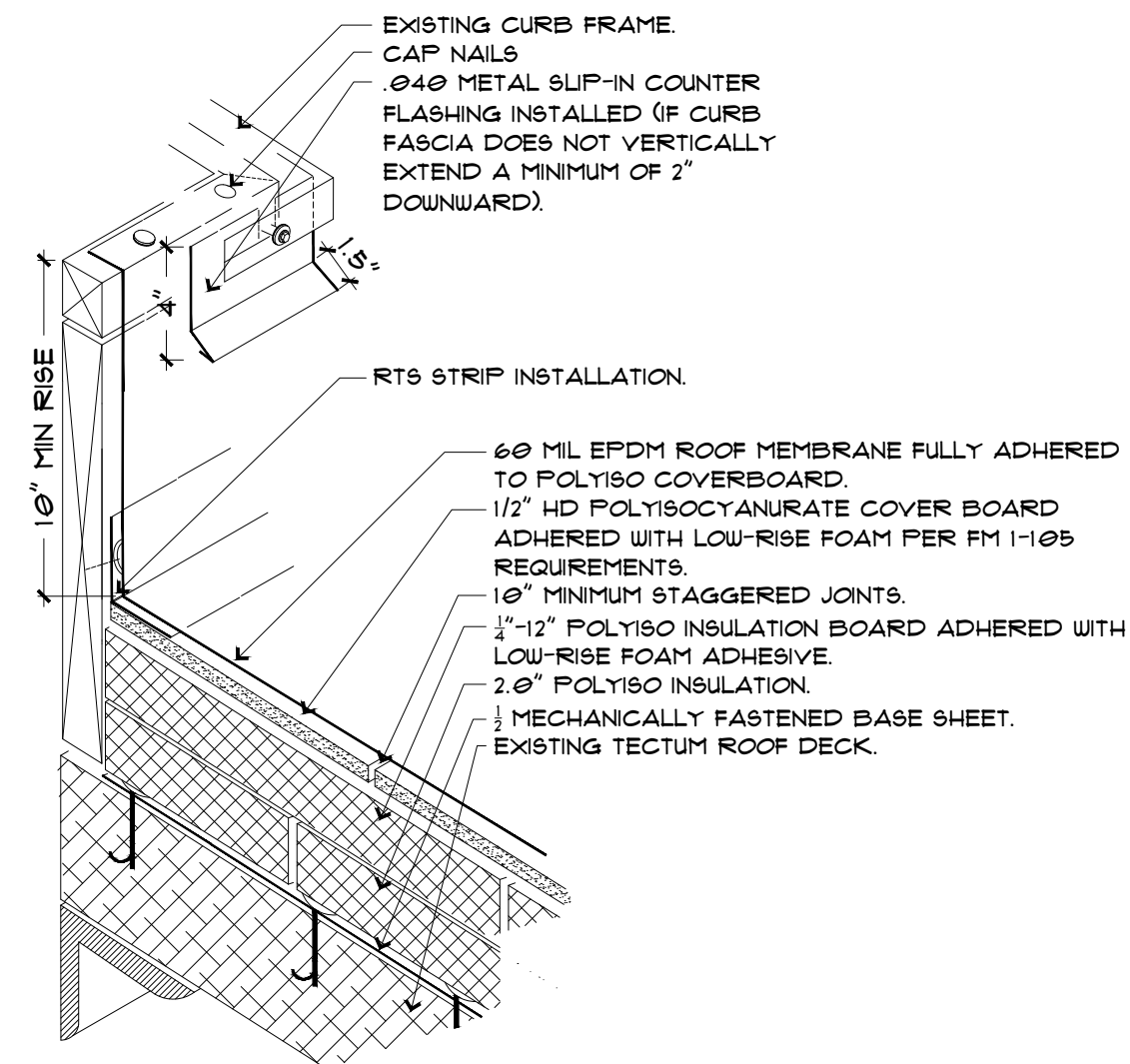
NOTE:
 -REMOVE PRE-EXISTING METAL FROM REGLET.
 -VAPOR BARRIER IS TO EXTEND 2" ABOVE CONCRETE DECK AT PLYWOOD.



13 WALL DETAIL
 A404 SCALE: 1/2" = 1'

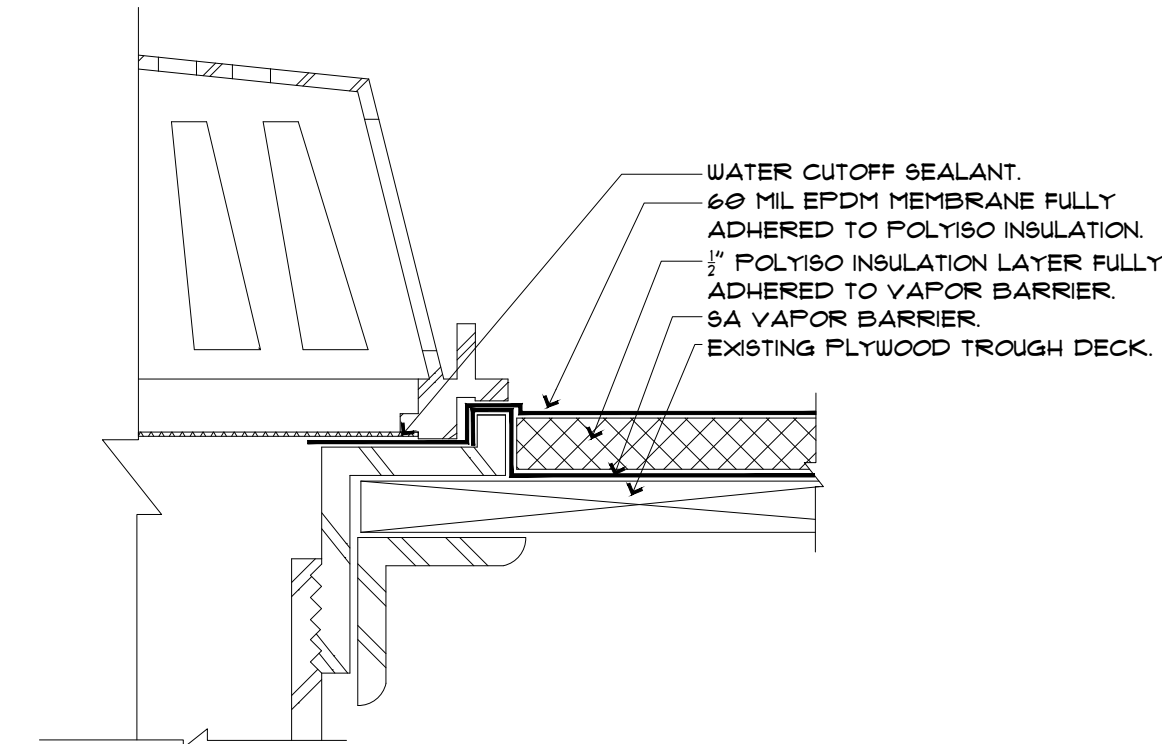


14 PARAPET
 A404 SCALE: 1/2" = 1'

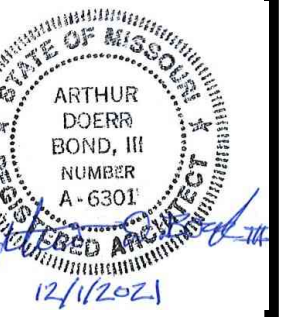


15 CURB
 A404 SCALE: NTS

NOTES:
 -REPLACE STRAINER IF MISSING, BROKEN, OR MADE OF PLASTIC.
 -REPLACE DRAIN FASTENING HARDWARE IF BROKEN OR MISSING.



16 TROUGH DRAIN
 A404 SCALE: NTS



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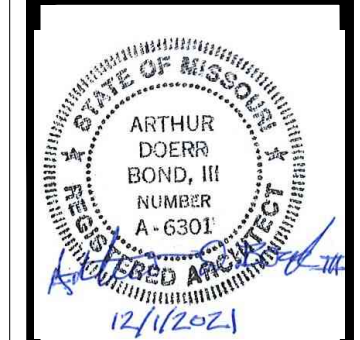
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 410 SOUTH LIGHT COURT #118
 ST. LOUIS, MISSOURI 63071
 (636)-391-2155

VARIOUS LOCATIONS - ROOF REPLACEMENTS
 TROWBRIDGE CENTER
 COLUMBIA, BOONE COUNTY, MISSOURI, 65211
 ROOF DETAILS

PROJECT NUMBER
 CP220471

SHEET
 A404 OF 17



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MANCHESTER, MO 63011
(636) 381-2185

VARIOUS LOCATIONS - ROOF REPLACEMENTS
417 S. 5TH STREET
COLUMBIA, BOONE COUNTY, MISSOURI, 65211
DEMOLITION PLAN

PROJECT NUMBER
CP220471

SHEET
A501 OF 17

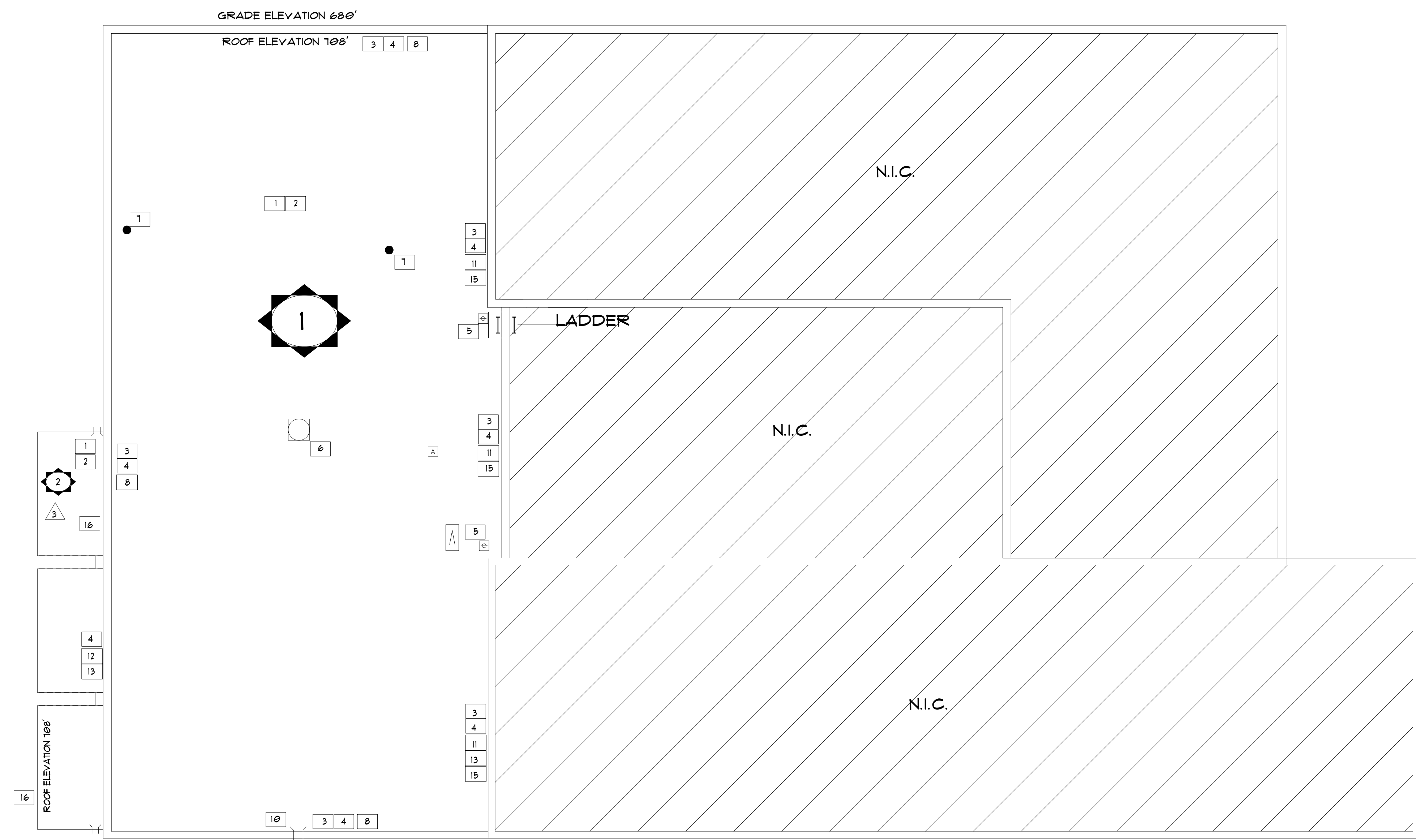
EXISTING ROOF CONSTRUCTION:

- CORE 1: METAL, 3 1/2" POLY ISO, 1/2" FIBERBOARD, FULLY ADHERED EPDM
- CORE 2: METAL, 3 1/2" POLY ISO, 1/2" FIBERBOARD, FULLY ADHERED EPDM
- CORE 3: CONCRETE, ORGANIC FELT VB, 1/2" FIBERBOARD, 4 FLY FITCH AND GRAVEL

DEMOLITION NOTES:

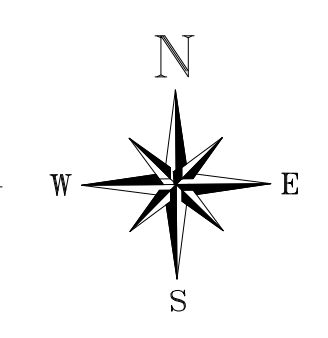
1. REMOVE ROOF TO ROOF DECK.
2. REMOVE VAPOR BARRIER.
3. REMOVE ALL ROOFING RELATED FLASHINGS.
4. REMOVE ALL ASSOCIATED SHEET METAL DETAILS.
5. EXISTING ROOF DRAINS TO REMAIN, REMOVE RINGS TO REUSE.
6. EXISTING CURB MOUNTED EQUIPMENT TO REMAIN.
7. EXISTING PLUMBING VENTS TO REMAIN.
8. REMOVE METAL/COPPER COPING.
9. REMOVE ABANDONED CONDUIT FROM ROOF CURB, WRAP WITH PLYWOOD AND FLASH.
10. REMOVE BRICK AND COPING FOR INSTALLATION OF NEW OVERFLOW SCUPPERS.
11. REMOVE EXPANSION JOINTS.
12. REMOVE SURFACE MOUNTED COUNTERFLASHING.
13. RECEIVER ABOVE FLASHING TO BE REMOVED.
14. REMOVE FLASHING BELOW RECEIVER METAL.
15. REMOVE EXISTING CAULK ON NORTHEAST CORNER OF WALL AND ROOF.
16. ACRYL IN FLASHING AND WITHIN ANY BLACK CAULK.

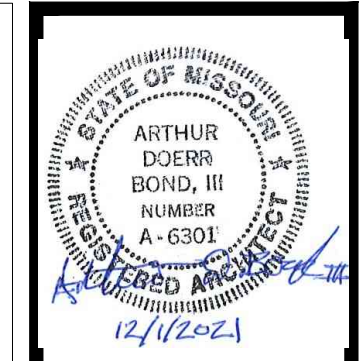
- 1 1,182 S.F. IN AREA
- 2 615 S.F. IN AREA



LEGEND	
1	DEMOLITION KEY NOTE
⊕	ROOF DRAIN
⊙	DOMED VENTILATOR
●	SOL STACK
⚠	CORE EXTRACTION
⊞	AIR INTAKE UNITS
⊗	ROOF AREA IDENTIFIER
■	PITCH PAN
A	ABANDOND CURB
Y	SCUPPER

1 DEMOLITION PLAN
A501 SCALE: 3/32" = 1'





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		DRAWN BY: JIG

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 410 SOVEREIGN COURT #18
 MANCHESTER, MO 63011
 (636)-381-2185

VARIOUS LOCATIONS - ROOF REPLACEMENTS
 417 S. 5TH STREET
 COLUMBIA, BOONE COUNTY, MISSOURI, 65211
 RENOVATION PLAN

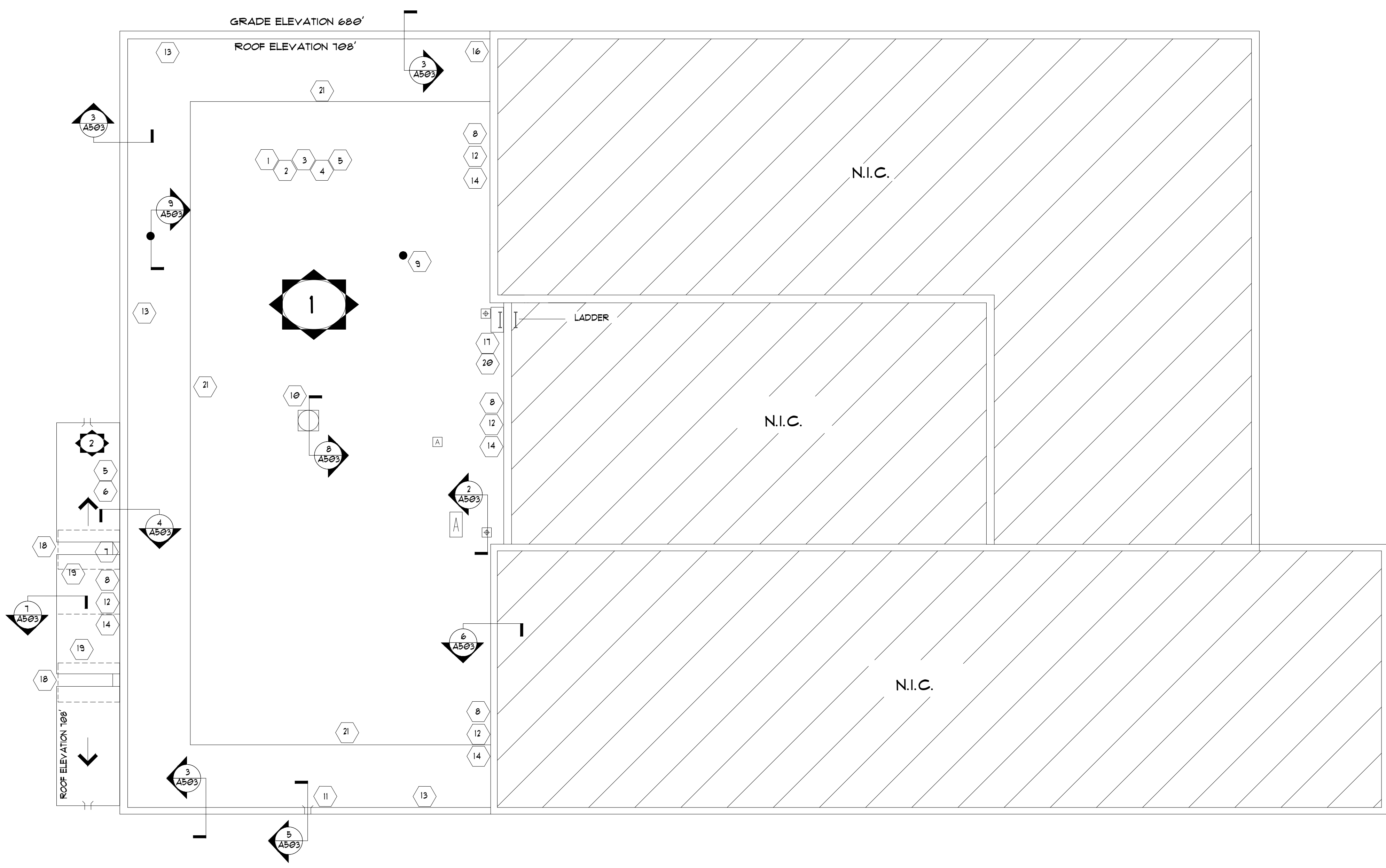
PROJECT NUMBER
CP220471

SHEET
A502 OF 17

RENOVATION NOTES:

1. ON ROOF SECTIONS 1 & 2 PRIME ROOF DECK AND INSTALL SELF-ADHERED (6A) VAPOR BARRIER.
2. ON ROOF SECTION 2, WITH 1-105 FM REQUIREMENTS 1/8" PER FOOT TAPERED INSULATION LOW RISE FOAMED TO VAPOR BARRIER.
3. MECHANICALLY FASTEN BASE LAYER 2" POLYISOCYANURATE INSULATION WITH FM 1-105 (MINIMUM 16 FASTENERS PER 4x8).
4. ADHERE 2.0" LAYER POLY ISO WITH FM 1-105 RIBBON METHOD TO UNDERLYING INSULATION.
5. WITH LOW RISE FOAM, INSTALL 1/2" HIGH DENSITY COVER BOARD ADHERED WITH FM 1-105 RIBBON METHOD TO TOP LAYER OF INSULATION.
6. INSTALL 1/2" PER FOOT TAPERED POLY ISO CRICKETS PRIOR TO THE INSTALLATION OF COVER BOARD.
7. ROOF SECTION #2-INSTALL FIELD FABRICATED STAINLESS-STEEL COUNTER FLASHING ON BRICK WALL.
8. APPLY DOUBLE SIDED BUTYL TAPE BELOW THE INSTALLATION OF TERMINATION BAR AND OR SURFACE MOUNTED COUNTER FLASHING.
9. FIELD WRAP ALL PENETRATIONS IF POSSIBLE STAINLESS-STEEL PITCH PANS AND 2 PART SEALANTS ARE ACCEPTABLE.
10. INSTALL 24 GA. STAINLESS-STEEL SHEET METAL COUNTER FLASHING ON EXHAUST FAN CURB.
11. INSTALL NEW 24 GA. STAINLESS STEEL THROUGHWALL SCUPPER PICTURE FRAME ON EXTERIOR OF PARAPET WALL.
12. INSTALLATION OF 2 PIECE EXPANSION JOINT AT WALL.
13. INSTALLATION OF STAINLESS STEEL FASCIA ANCHORED ON THE EXTERIOR PORTION OF THE PARAPET 12' O.C.
14. APPLY DOW 150 SEALANT TO CAULK RECEIVER ON THE TOP OF THE COUNTER FLASHING DETAIL TO INTERFACE WITH WALL AND STONE SHEET METAL INTERFACE TOOL SMOOTH.
15. INSTALLATION OF SURFACE MOUNTED 24 GA. STAINLESS-STEEL COUNTER FLASHING ON ROOF AREA 2.
16. RE WORK NORTH EAST CORNER OF BRICK WALL WITH DOW 150 SEALANT. REPACK WITH 1" BACKER ROD AS NEEDED.
17. INSTALL 4x4 1/2" PLYWOOD AT LADDER ACCESSES.
18. ON ROOF SECTION 2, INSTALL 1/8" SHEET BETWEEN ROOF OPENINGS. ANCHOR SHEET STEEL WITH APPLICABLE FASTENERS AS NEEDED.
19. INSTALLATION OF WOOD NAILER ON THE EXTERIOR PERIMETER OF ROOF SECTION 2 TO ACCOMMODATE INCREASED INSULATION HEIGHT.
20. INSTALLATION OF NEW WALK PADS LADDER EGRESS.
21. YELLOW MARKED WARNING LINE 10' FROM PERIMETER.

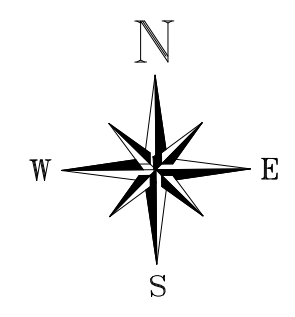
- ⊕ 1,182 S.F. IN AREA
- ⊕ 615 S.F. IN AREA

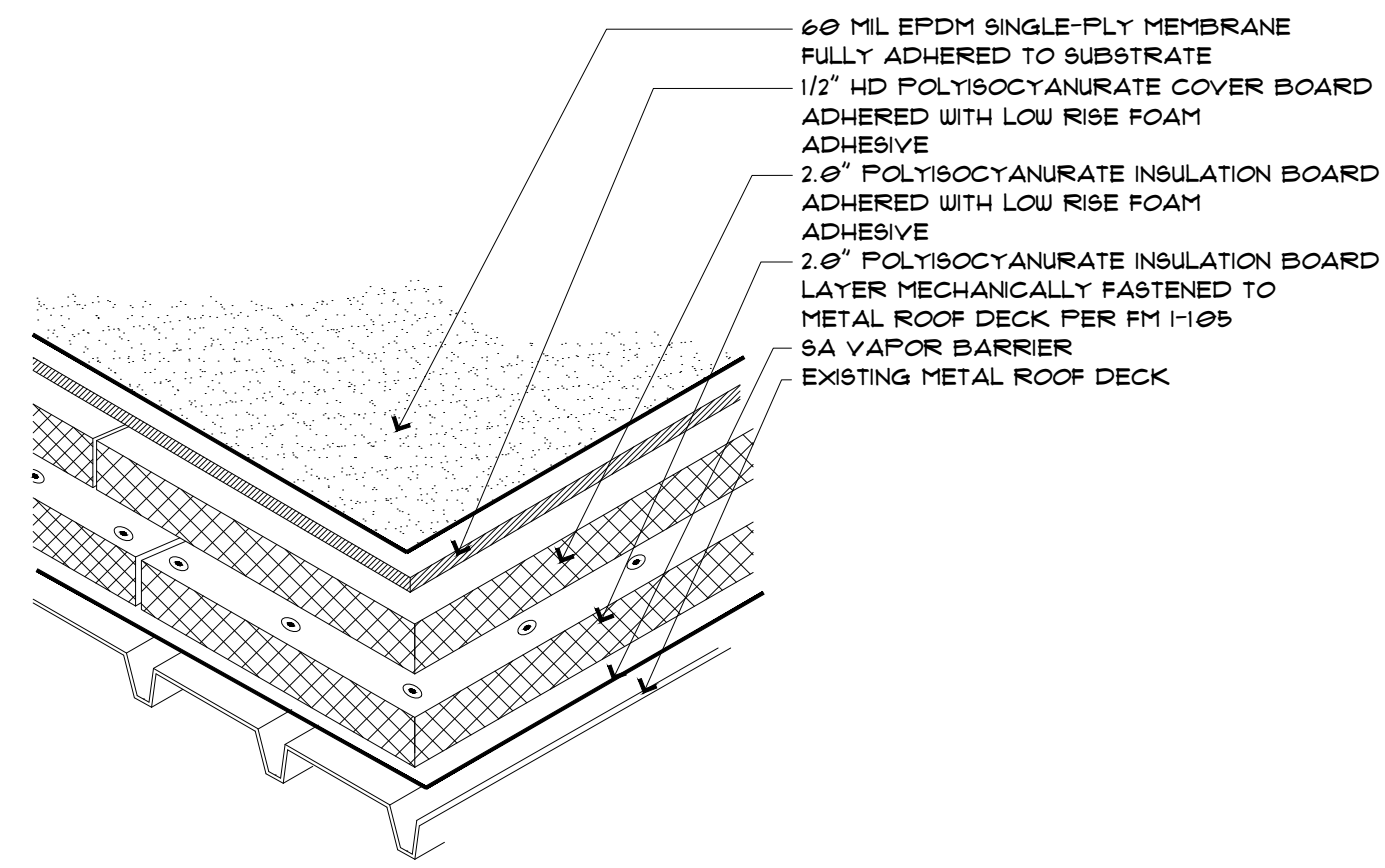


LEGEND

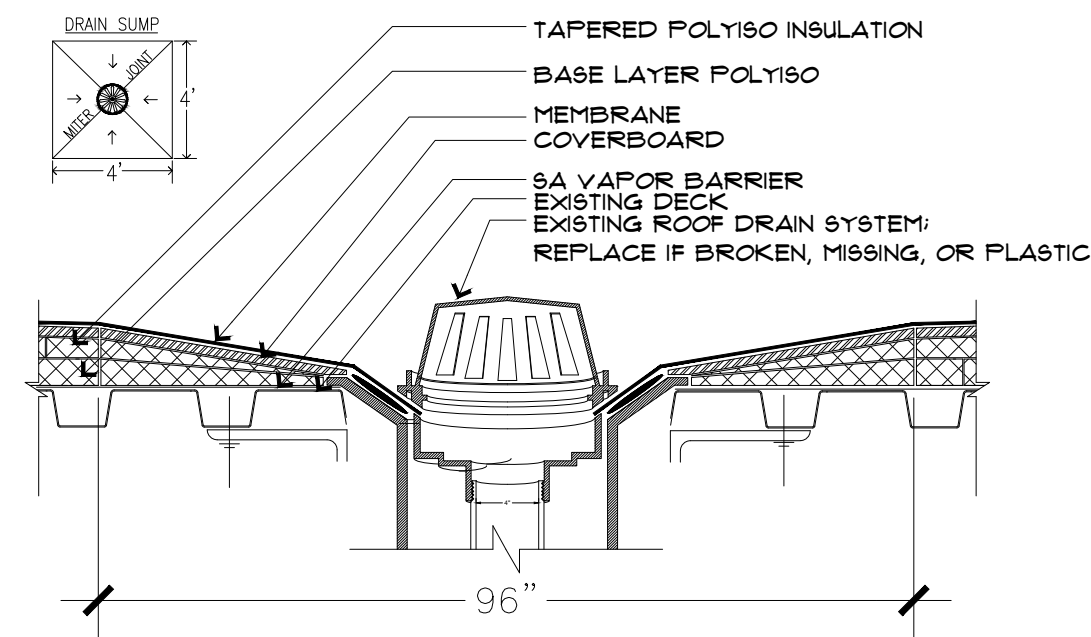
⊕	RENOVATION KEY NOTE
⊕	ROOF DRAIN
⊕	DOMED VENTILATOR
●	SOIL STACK
⊕	CORE EXTRACTION
⊕	AIR INTAKE UNITS
⊕	ROOF AREA IDENTIFIER
■	PITCH PAN
⊕	ABANDONED CURB
⊕	SCUPPER
⊕	SKYLIGHT
---	WARNING LINE

1 RENOVATION PLAN
 A502 SCALE: 3/32" = 1'

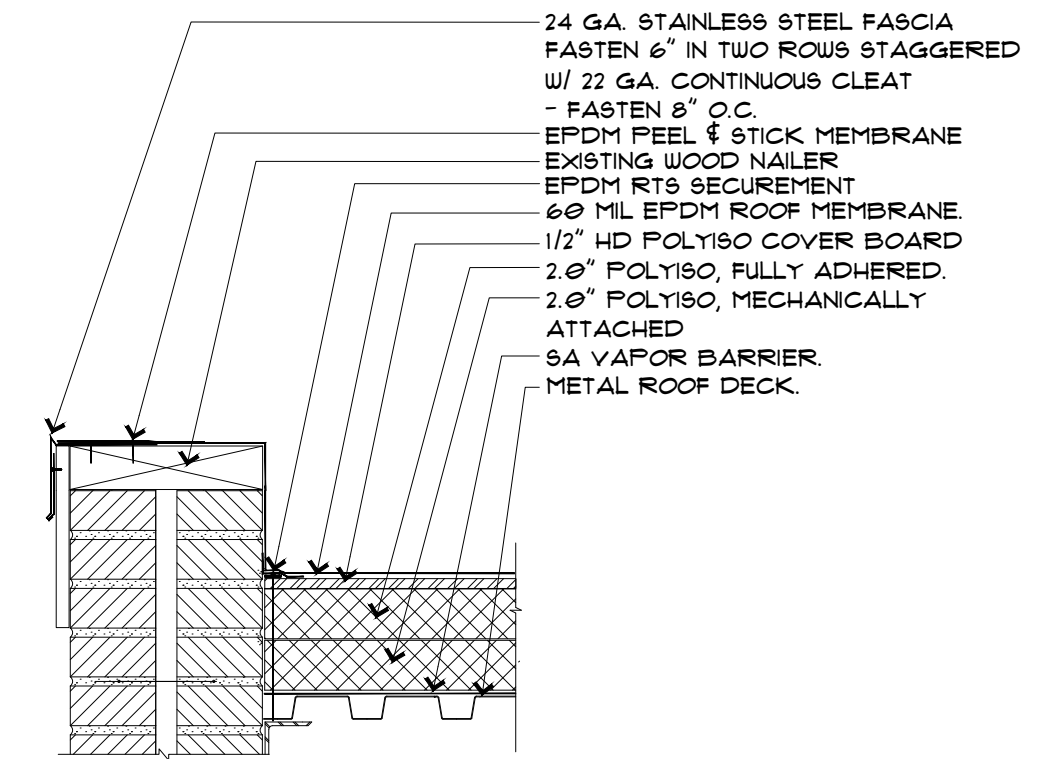




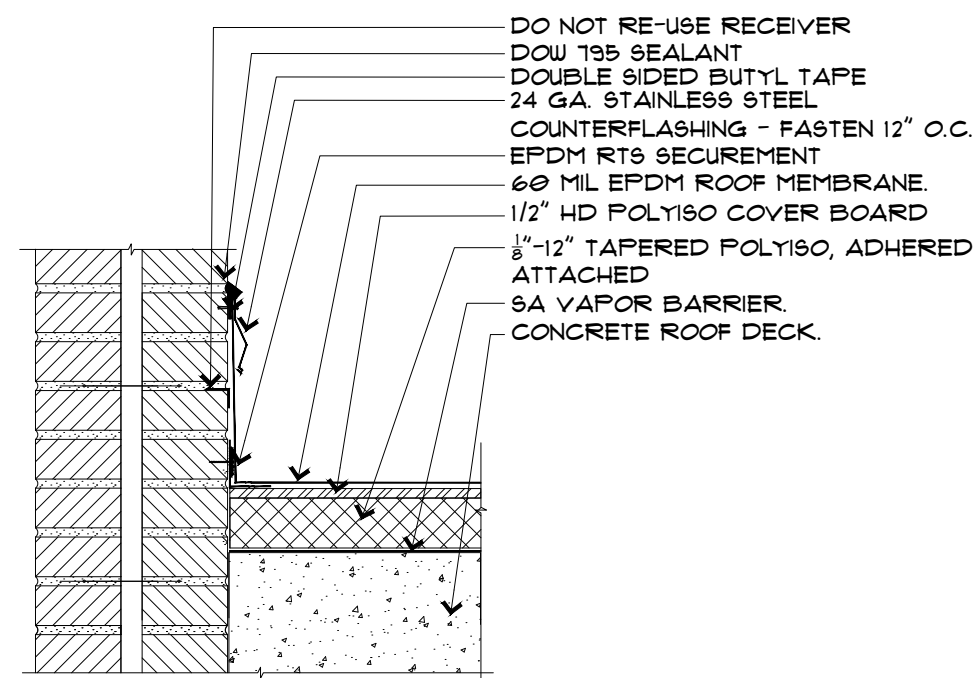
1 FIELD SECTION
A503 SCALE: 1 1/2" = 1'



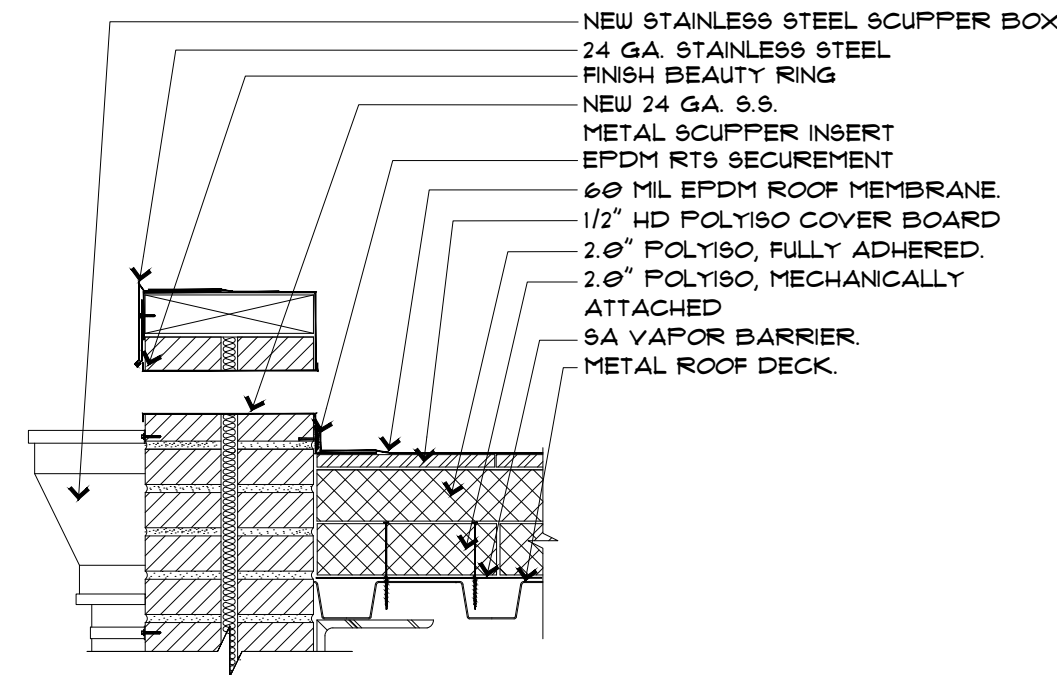
2 DRAIN DETAIL
A503 SCALE: NTS



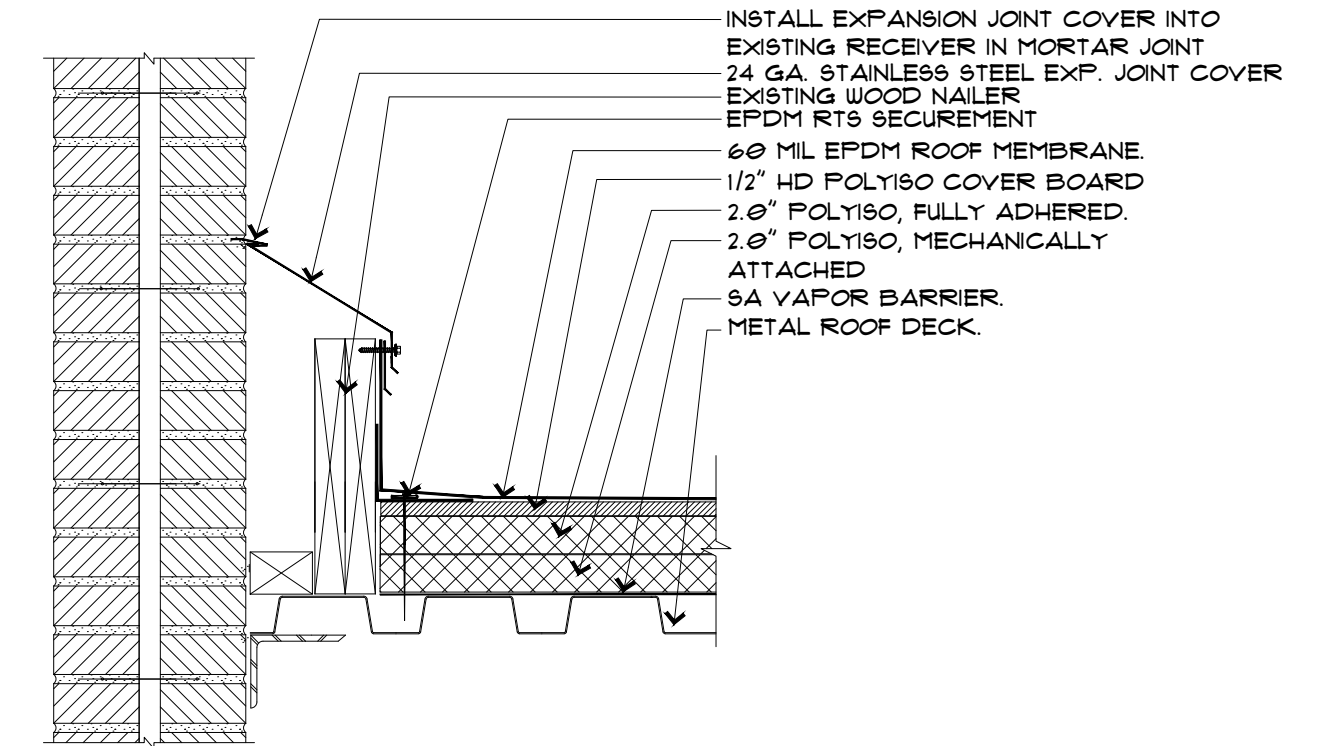
3 LOW PARAPET WALL
A503 SCALE: 1 1/2" = 1'



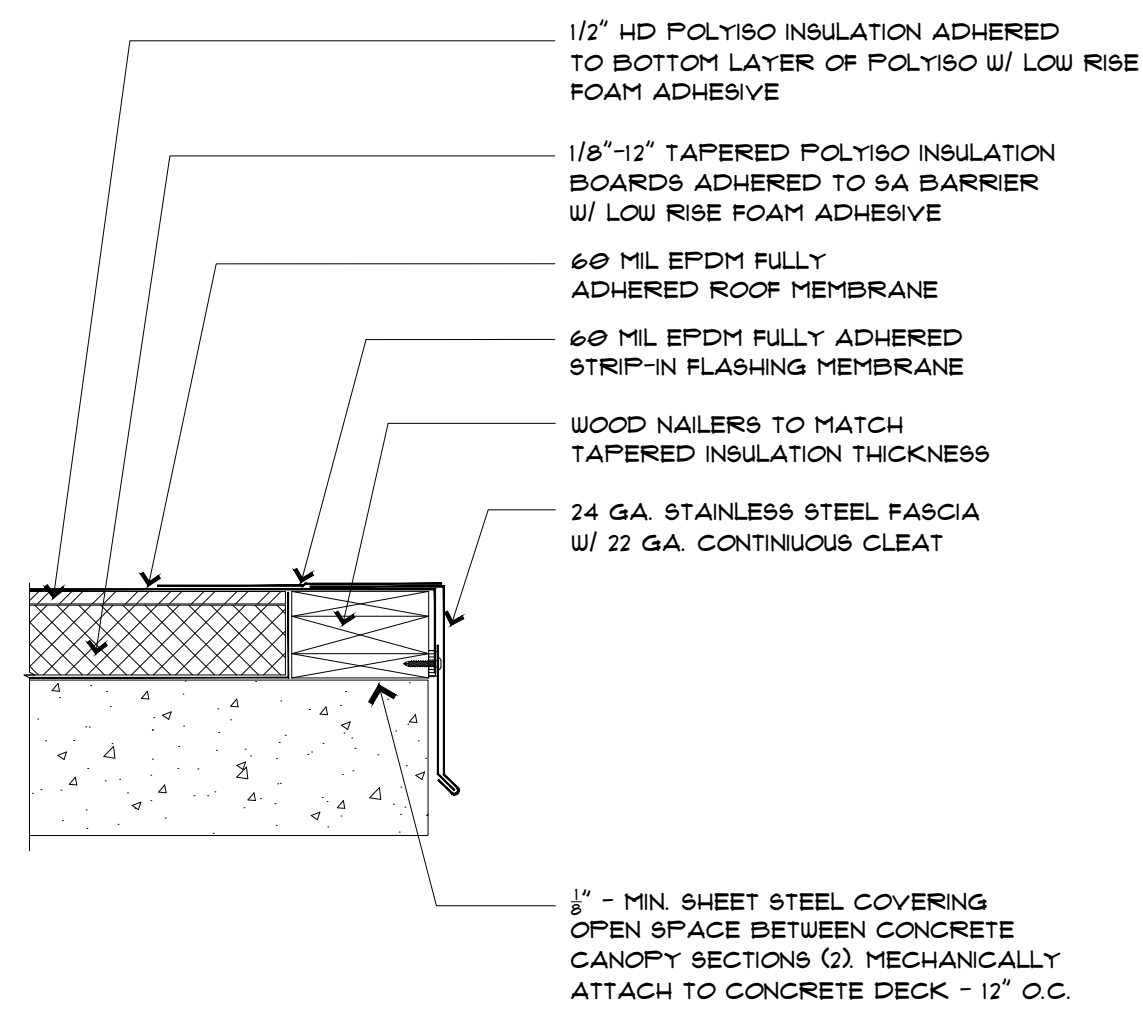
4 WALL FLASHING
A503 SCALE: 1 1/2" = 1'



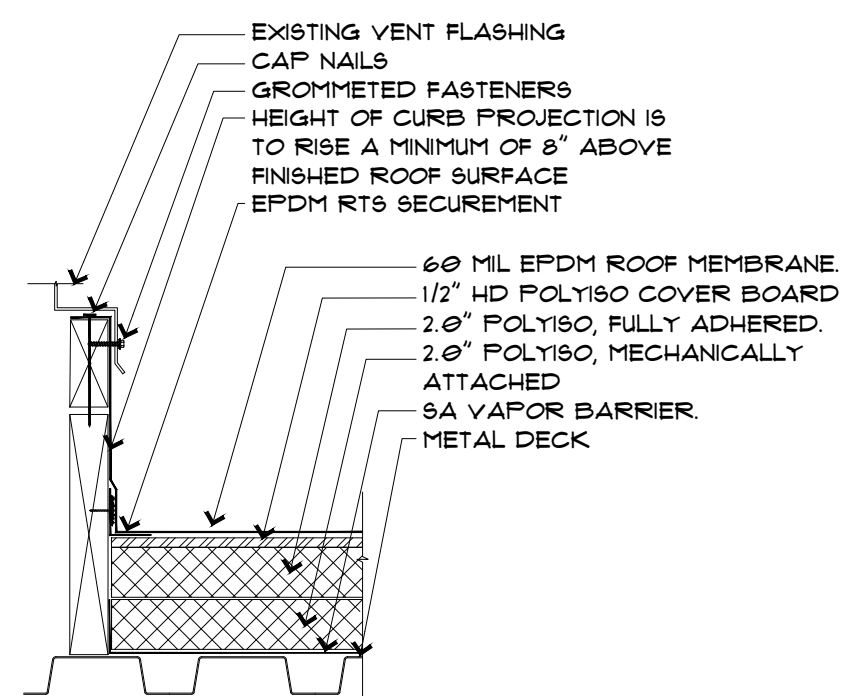
5 SCUPPER
A503 SCALE: 1 1/2" = 1'



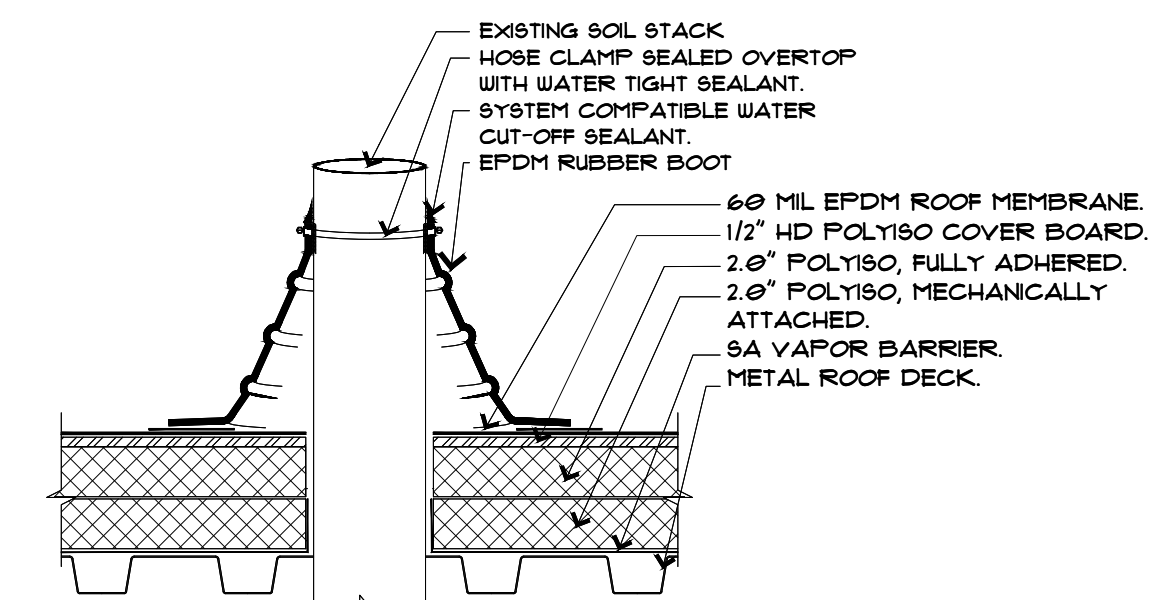
6 EXPANSION JOINT AT WALL
A503 SCALE: 1 1/2" = 1'



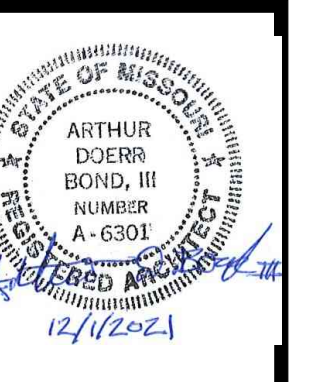
7 CANOPY OVERHANG PERIMETER EDGE
A503 SCALE: 1 1/2" = 1'



8 VENT CURB
A503 SCALE: 1 1/2" = 1'



9 SOIL STACK
A503 SCALE: 1 1/2" = 1'



The Professional Architect seal and any other seal and information shown on this document not including the seal shall not be considered prepared by this architect and the architect shall not be held responsible for such plans, drawings, or documents not including this seal.
This document is intended to be signed in this file. In no event shall this document be considered a contract document.

ISSUED FOR CONSTRUCTION	CHECKED BY: KFO
12/07/21	DRAWN BY: JIG

RMT ROOFING AND WATERPROOFING CONSULTANTS, INC.
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MANCHESTER, MO 63011
(636) 381-1285

VARIOUS LOCATIONS - ROOF REPLACEMENTS
417 S. 5TH STREET
COLUMBIA, BOONE COUNTY, MISSOURI, 65211
ROOF DETAILS

PROJECT NUMBER
CP220471

SHEET
A503 OF 17