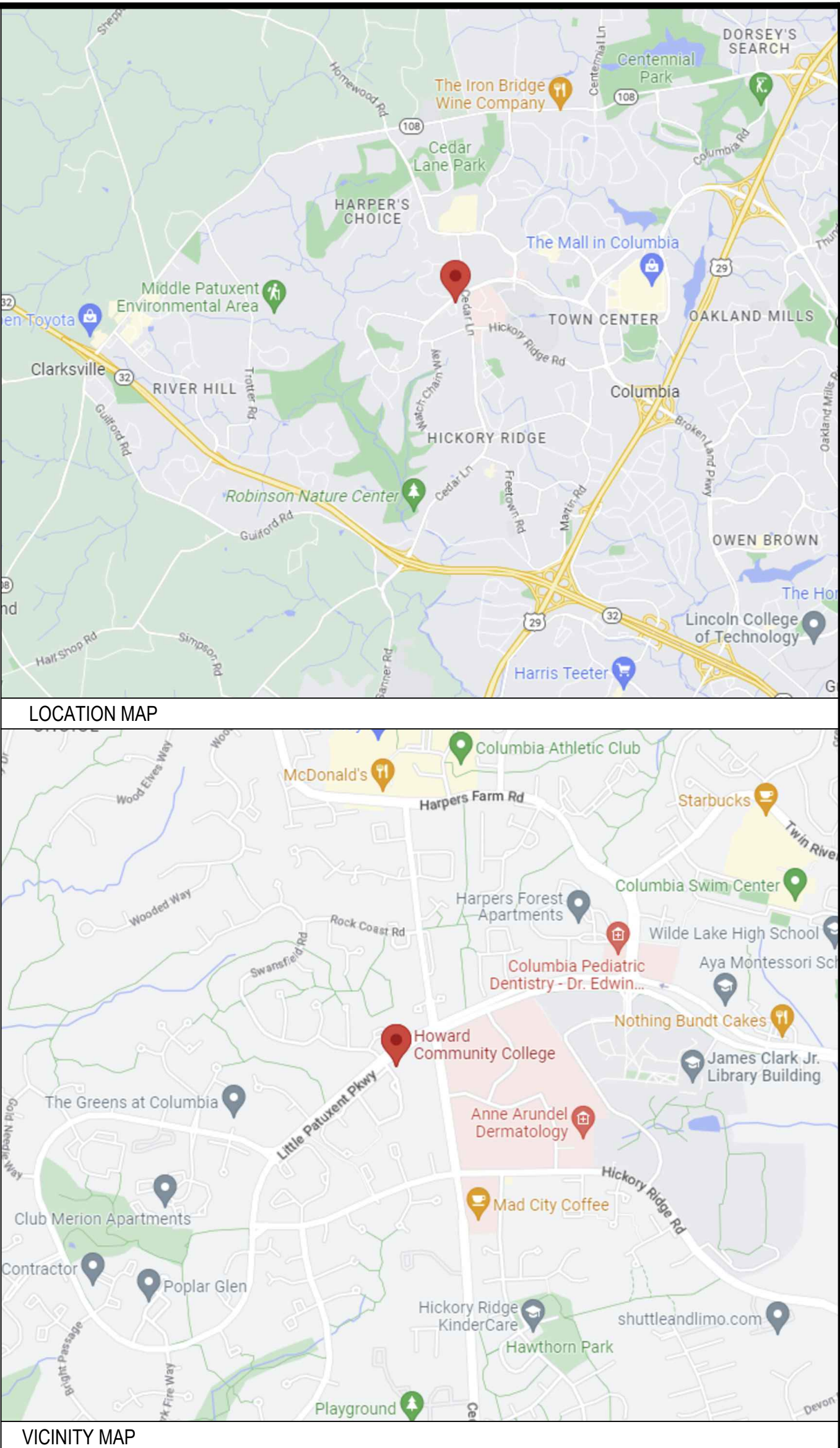


6020 SCHOLARSHIP DRIVE
COLUMBIA, MARYLAND 21044

PREPARED FOR
HOWARD COMMUNITY COLLEGE
10901 LITTLE PATUXENT PARKWAY
COLUMBIA, MARYLAND 21044

G-001	COVER SHEET
G-002	STANDARD ABBREVIATIONS, LEGEND, SYMBOLS AND GENERAL NOTES
G-003	TYPICAL FLASHING CONFIGURATIONS
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A-102	PARTIAL ROOF AREA PLAN - EXISTING CONDITIONS
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PH-01	PHOTOS



GALE

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PROJECT	ROOF REPLACEMENT HOWARD COMMUNITY COLLEGE - CLARK LIBRARY 6020 SCHOLARSHIP DR COLUMBIA, MARYLAND 21044
OWNER	HOWARD COMMUNITY COLLEGE 1001 LITTLE PATODENT PARKWAY COLUMBIA, MARYLAND 21044

1	2/10/2025	CD SUBMISSION			MLF
NO.	DATE	DESCRIPTION			BY
PROJECT NO.		656503			
CADD FILE		656503 CL G0x			
DESIGNED BY		BAB			
DRAWN BY		MLF			
CHECKED BY		SLB			
DATE		2/10/2025			
DRAWING SCALE		NONE			
GRAPHIC SCALE					
IF EXPOSED TO LESS THAN 90% OF A CD GRAPHIC SCALE					
SHEET TITLE					
		DRAWING NO.			
		G-001			

STANDARD LEGEND	
NOTE: NOT ALL SYMBOLS NECESSARILY USED	
	ROOF EDGE
	EXPANSION JOINT
	PARAPET
	CONDUIT
	PARAPET WITH LEDGE
	CONDENSER UNIT ON SLEEPER CURBS
	FAN
	SKYLIGHT
	ABANDONED ROOF CURB
	VENT PIPE
	POURABLE SEALER POCKET
	ROOF DRAIN
	OVERFLOW ROOF DRAIN
	SCUPPER WITH CONDUCTOR HEAD AND DS
	OVERFLOW SCUPPER
	ROOF ACCESS DOOR
	ANTENNA
	STRUCTURAL SLOPE
	ABANDONED STEEL FRAMING
	NON-PENETRATING SPEAKER
	CONDENSER UNIT ON SLEEPER CURBS

STANDARD ABBREVIATIONS	
NOTE: NOT ALL ABBREVIATIONS NECESSARILY USED	
AIR CONDITIONER	AC
AREA DRAIN	AD
ALUMINUM	AL
BASE FLASHING	BF
BUILDING	BLDG
BRICK MASONRY UNIT	BMU
BUILT-UP ROOFING	BUR
COUNTERFLASHING	CF
CLADDING	CLDG
CLEAT	CLT
CONCRETE MASONRY UNIT	CMU
CONCRETE	CONC
CONTINUOUS	CONT
COVER	CV
CEMENTITIOUS WOOD FIBERBOARD	CWF
DOWNSPOUT	DS
ELEVATION	EL
ETHYLENE PROPYLENE DIENE MONOMER	EPDM
EQUAL	EQ
EXTERIOR INSULATION FINISH SYSTEM	EIFS
EXPANSION JOINT	EJ
EXISTING	EX
EXTERIOR	EXT
FIRE RETARDANT TREATED	FRT
FASTENER	FSTNR
FOOT	FT
FULLY ADHERED	FA
GLAZING	GL
GYPSUM	GYP
INCH	IN
INTERIOR	INT
INSULATION	INSUL
LADDER	LAD
LIGHTNING	LTNG
LIGHTWEIGHT	LT WT
LIGHTWEIGHT CONCRETE	LWC
MAXIMUM	MAX
MECHANICAL	MECH
MEMBRANE	MEMB
MINIMUM	MIN
METAL	MTL
NOT APPLICABLE	NA
NOT IN CONTRACT	NIC
NUMBER	NO
NOMINAL	NOM
NOT TO SCALE	NTS
ON CENTER	O.C.
OPPOSITE HAND	OH
PLYWOOD	PLYWD
ROOF DRAIN	RD
ROUGH OPENING	RO
ROOF TOP UNIT	RTU
SELF-ADHERING MODIFIED BITUMEN	SAMB
SIMILAR	SIM
SLEEVE	SLV
SHEET METAL	SM
STANDING SEAM ROOF	SS
STAINLESS STEEL	SST
STEEL	STL
STRUCTURAL	STRUCT
TO REMAIN	TR
TYPICAL	TYP
VERIFY IN FIELD	VIF
WOOD	WD
WINDOW	WDW
WOODFIBER BOARD	WF

STANDARD SYMBOLS	
NOTE: NOT ALL SYMBOLS NECESSARILY USED	
	DETAIL NUMBER
	EXISTING CONDITION IDENTIFIER
	SHEET WHERE DETAIL IS SHOWN
DETAIL INDICATORS	
	SECTION IDENTIFIER
	EXISTING CONDITION IDENTIFIER
	SHEET WHERE SECTION IS SHOWN
SECTION INDICATOR	
	ELEVATION IDENTIFIER
	SHEET WHERE ELEVATION IS SHOWN
ELEVATION INDICATOR	

STANDARD HATCH PATTERNS	
NOTE: NOT ALL HATCH PATTERNS NECESSARILY USED	
	FIBERGLASS BATT INSULATION
	EXPANDED POLYSTYRENE INSULATION
	EXTRUDED POLYSTYRENE INSULATION
	CEMENTITIOUS WOODFIBER BOARD
	CONCRETE
	GYPSUM BOARD
	ISOCYANURATE INSULATION
	WOOD FIBERBOARD INSULATION

GENERAL NOTES	
DEMOLITION NOTES	
1.	THE INFORMATION SHOWN ON THE DRAWINGS HAS BEEN COMPILED FROM VARIOUS SOURCES, AND MAY NOT REFLECT THE ACTUAL CONDITIONS AT THE TIME OF CONSTRUCTION.
2.	THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL LAWS AND REQUIREMENTS PERTAINING TO THIS PROJECT.
3.	JOB SITE SAFETY, INCLUDING THE SAFETY OF THE CONTRACTOR'S EMPLOYEES, OCCUPANTS, PEDESTRIANS AND OWNERS REPRESENTATIVES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
4.	THE BUILDING MAY BE OCCUPIED DURING CONSTRUCTION. IN NO CASE SHALL WORK BE COMPLETED OVER BUILDING OCCUPANTS. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT DAMAGE TO INTERIOR ELEMENTS AND TO PROTECT OCCUPANTS. COORDINATE AND SCHEDULE WORK LOCATIONS IN ADVANCE WITH THE OWNER. SCHEDULE AND EXECUTE WORK TO MINIMIZE NOISE INTERRUPTIONS.
5.	CONTRACTOR SETUP LOCATIONS SHALL BE AS INDICATED BY THE OWNER DURING THE PRE CONSTRUCTION MEETING.
6.	THE CONTRACTOR SHALL BE RESPONSIBLE FOR SEGREGATING THE WORK AREA IMMEDIATELY BELOW AND ADJACENT TO THE WORK AREA. THE CONTRACTOR SHALL COVER ALL INTERIOR ITEMS INCLUDING FLOORS AND EQUIPMENT PRIOR TO DEMOLITION. ONCE REMOVAL IS COMPLETE FOR THE DAY, THE PLASTIC COVERINGS SHALL BE REMOVED AND THE INTERIOR AREAS CLEANED. CLEANING SHALL INCLUDE, BUT NOT BE LIMITED TO, SWEEPING OF FLOORS AND DUST REMOVAL FROM THE TOPS OF LIGHT FIXTURES AND EQUIPMENT WHERE ACCESSIBLE.
7.	THE CONTRACTOR SHALL REPORT DETERIORATED OR UNSUITABLE ROOF DECK OR SUBSTRATE COMPONENTS TO THE OWNER PRIOR TO PERFORMING ROOFING INSTALLATION WORK.
8.	REMOVE AND DISPOSE OF EXISTING ROOF SYSTEM AND ALL ASSOCIATED MATERIALS DOWN TO THE STRUCTURAL DECK UNLESS OTHERWISE INDICATED ON THE DETAIL DRAWINGS TO REMAIN. REMOVE AND DISPOSE OF ALL ITEMS TO INCLUDE DRAINS, WOOD BLOCKING AND APPURTENANCES SCHEDULED TO BE REMOVED.
9.	PROVIDE TEMPORARY OVERHEAD PROTECTION AT THE MAIN ENTRANCE AND AT OTHER LOCATIONS AS NECESSARY TO PROVIDE UNINTERRUPTED ACCESS TO BUILDING.
10.	REMOVALS SHALL BE PERFORMED IN ACCORDANCE WITH THE SUBMITTED AND APPROVED REMOVAL PLAN, THE DETAIL DRAWINGS AND SPECIFICATIONS.
11.	REMOVE ALL ABANDONED EQUIPMENT, CONDUIT AND CURBS AND ENCLOSE OPENINGS UNLESS SPECIFICALLY INDICATED TO REMAIN.
REPLACEMENT NOTES	
1.	FOR THE SAKE OF CLARITY, EACH INDIVIDUAL DETAIL ON THE ROOF PLANS HAS NOT BEEN INDICATED. EXISTING AND NEW DETAILS HAVE BEEN INDICATED FOR TYPICAL COMPONENTS AT RANDOM LOCATIONS.
2.	COMPONENTS SHOWN ON THE DETAIL DRAWINGS SHALL BE NEW UNLESS SPECIFICALLY INDICATED AS EXISTING.
3.	ITEMS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS APPLICABLE TO THE PROJECT.
4.	FOR THE SAKE OF CLARITY, SECUREMENT FASTENERS ARE NOT SHOWN ON THE DRAWING. REFER TO SPECIFICATIONS FOR FASTENER TYPES AND SPACING.
5.	ANY DISCREPANCIES ON THE DRAWINGS NOTED BY THE CONTRACTOR SHALL BE BROUGHT TO THE OWNERS ATTENTION PRIOR TO BID SUBMISSION.
6.	ITEMS OF CONSTRUCTION SHALL BE 100% WATERTIGHT ON A DAILY BASIS. REMOVE ONLY AS MUCH MATERIAL AS CAN BE MADE WATERTIGHT ON THE SAME DAY OF WORK.
7.	FLASHING AND STRIPPING CONFIGURATIONS SHOWN ON THE ARCHITECTURAL DRAWING SHEETS ARE PROVIDED TO CONVEY GENERAL FLASHING AND STRIPPING CONFIGURATIONS. REFER TO THE GENERAL SHEETS AND THE SPECIFICATIONS FOR SPECIFIC CONFIGURATIONS AND REQUIREMENTS.
8.	DETAILS NOT DEPICTED SHALL BE CONSTRUCTED IN A MANNER CONSISTENT WITH THE DETAIL DRAWINGS.
9.	IF THERE IS A POTENTIAL HAZARDOUS MATERIAL ENCOUNTERED DURING THE COURSE OF WORK THAT IS NOT IDENTIFIED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR WILL STOP WORK IMMEDIATELY AND CONTACT THE OWNER WHO IS TO MAKE A DETERMINATION IF THE MATERIAL IS HAZARDOUS.
10.	ALL DUMPSTERS MUST BE AT LEAST 15 FEET FROM THE BUILDING UNLESS EMPTIED AT THE END OF EACH WORK DAY.
11.	MATERIALS MAY NOT BE STORED CLOSER THAN 15 FEET FROM BUILDINGS AND MAY NOT BE PLACED IN FRONT OF EXITS OR ANY FIRE PROTECTION EQUIPMENT. REFUELING OF GASOLINE POWERED EQUIPMENT WILL NOT BE PERMITTED ON THE ROOF. GASOLINE MUST BE STORED IN UL LISTED AND APPROVED CONTAINERS.
12.	DISCONNECT, REMOVE, STORE, PROTECT AND REINSTALL EXISTING ROOFTOP EQUIPMENT AND ASSOCIATED MECHANICAL/ELECTRICAL PENETRATIONS AND CONDUIT TO PROPERLY INSTALL REPLACEMENT ROOF SYSTEMS AND PROVIDE MINIMUM SPECIFIED FLASHING HEIGHTS. THE CONTRACTOR SHALL "LOCK-OUT" ALL MECHANICAL ELECTRICAL EQUIPMENT, INCLUDING HVAC EQUIPMENT, PRIOR TO INITIATING WORK.

PROJECT	ROOF REPLACEMENT
	HOWARD COMMUNITY COLLEGE - CLARK LIBRARY
	6020 SCHOLARSHIP DR
	COLUMBIA, MARYLAND 21044
OWNER	HOWARD COMMUNITY COLLEGE
	1001 LITTLE PATUXENT PARKWAY
	COLUMBIA, MARYLAND 21044

1	2/10/2025	CD SUBMISSION		MLF	
NO.	DATE	DESCRIPTION		BY	
PROJECT NO.		656503			
CADD FILE		656503 CL G0x			
DESIGNED BY		BAB			
DRAWN BY		MLF			
CHECKED BY		SLB			
DATE		2/10/2025			
DRAWING SCALE		NONE			
GRAPHIC SCALE					
IF PAPER IS LESS THAN 9" X 12" USE GRAPHIC SCALES					
SHEET TITLE					
STANDARD ABBREVIATIONS, LEGEND, SYMBOLS AND GENERAL NOTES					
			DRAWING NO.		
			G-002		

PROJECT
ROOF REPLACEMENT
HOWARD COMMUNITY COLLEGE - CLARK LIBRARY
6020 SCHOLARSHIP DR
COLUMBIA, MARYLAND 21044
OWNER
HOWARD COMMUNITY COLLEGE
1007 LITTLE PATUXENT PARKWAY
COLUMBIA, MARYLAND 21044

PROJECT NO.	656503
CADD FILE	656503 CL G0x
DESIGNED BY	BAB
DRAWN BY	MLF
CHECKED BY	SLB
DATE	2/10/2025
DRAWING SCALE	AS NOTED
GRAPHIC SCALE	
SHEET TITLE	
TYPICAL FLASHING CONFIGURATIONS	
DRAWING NO.	
G-003	

1	2/10/2025	CD SUBMISSION	MLF
NO.	DATE	DESCRIPTION	BY

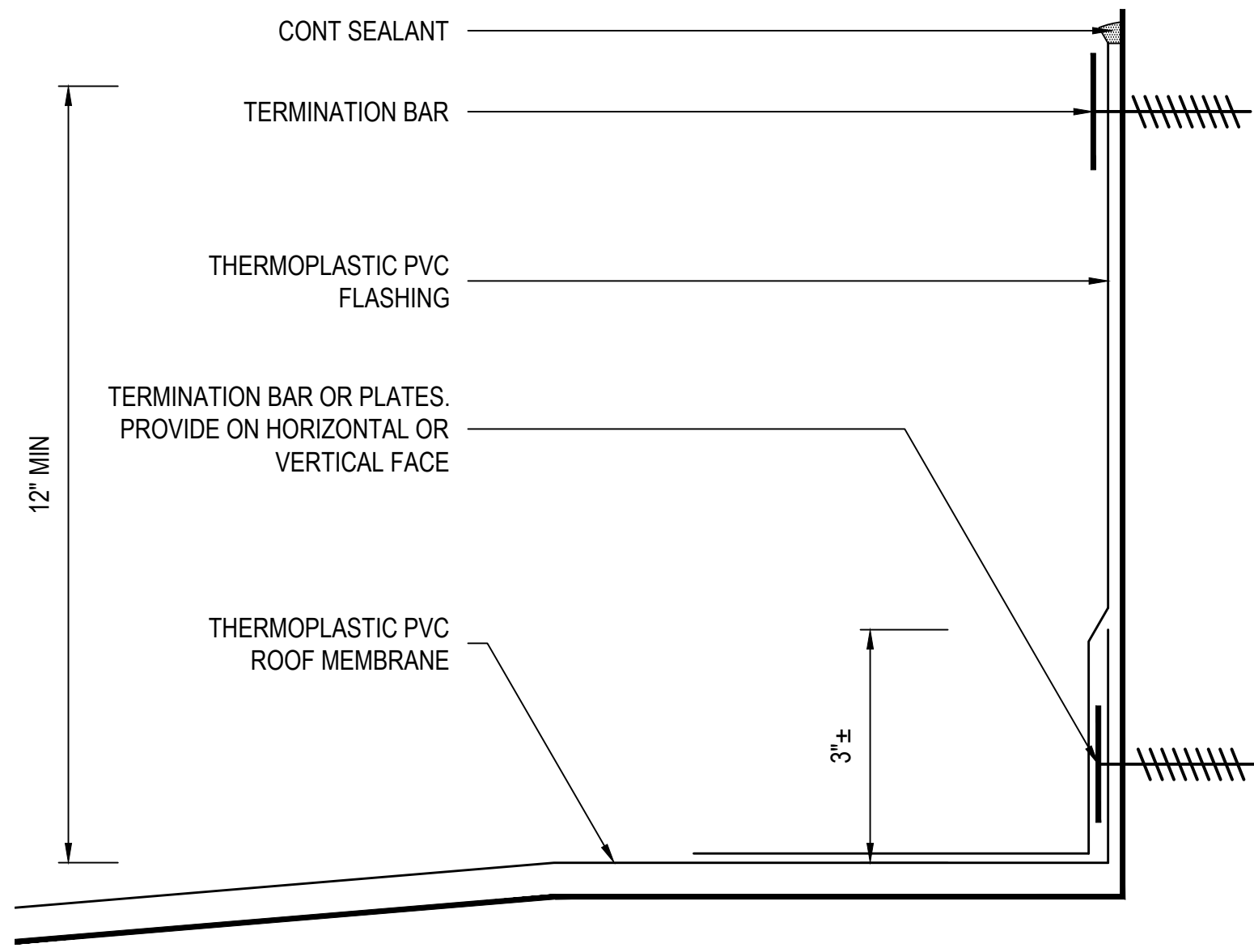
PROJECT NO.	656503
CADD FILE	656503 CL G0x
DESIGNED BY	BAB
DRAWN BY	MLF
CHECKED BY	SLB
DATE	2/10/2025
DRAWING SCALE	AS NOTED

GRAPHIC SCALE

SHEET TITLE

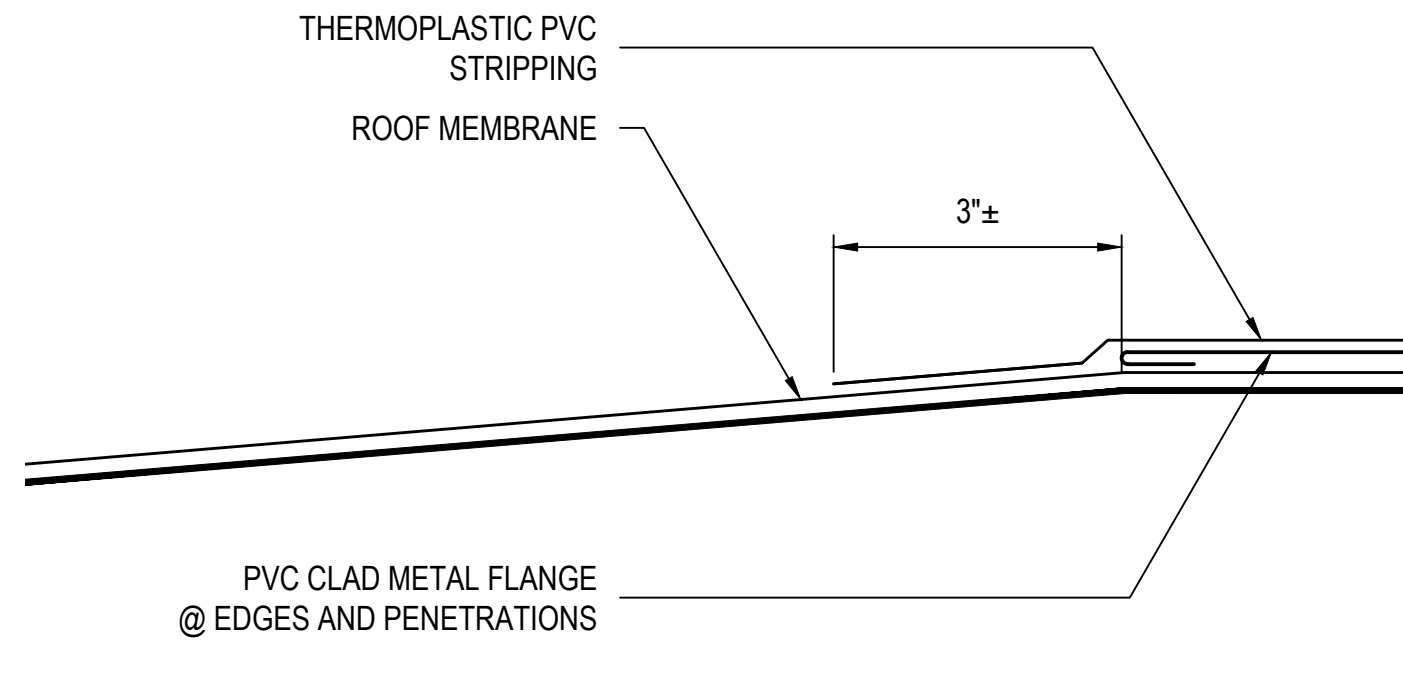
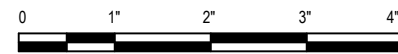
TYPICAL
FLASHING
CONFIGURATIONS

DRAWING NO.
G-003



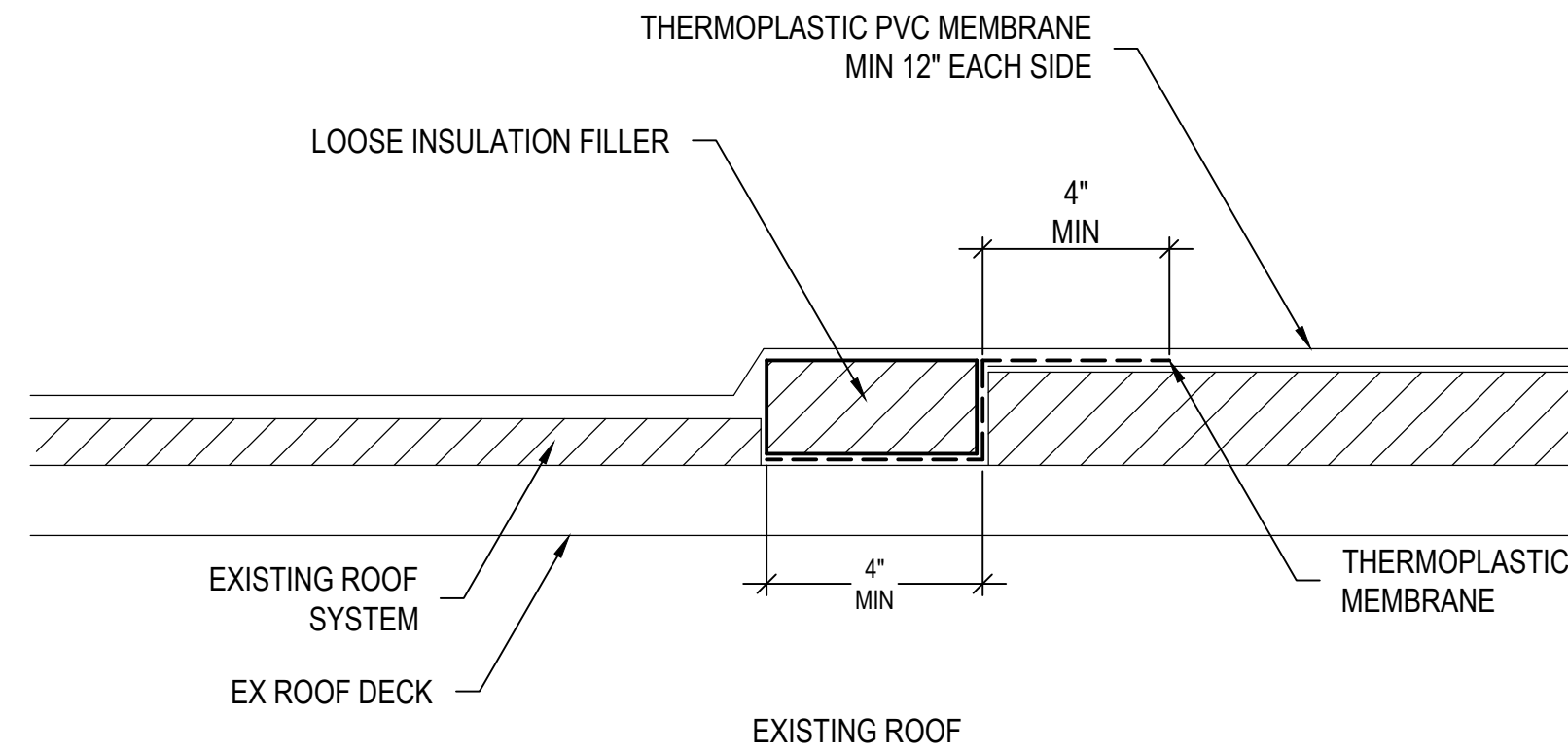
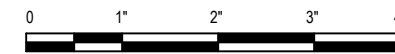
1 TYPICAL PVC BASE FLASHING

SCALE: 6" = 1'



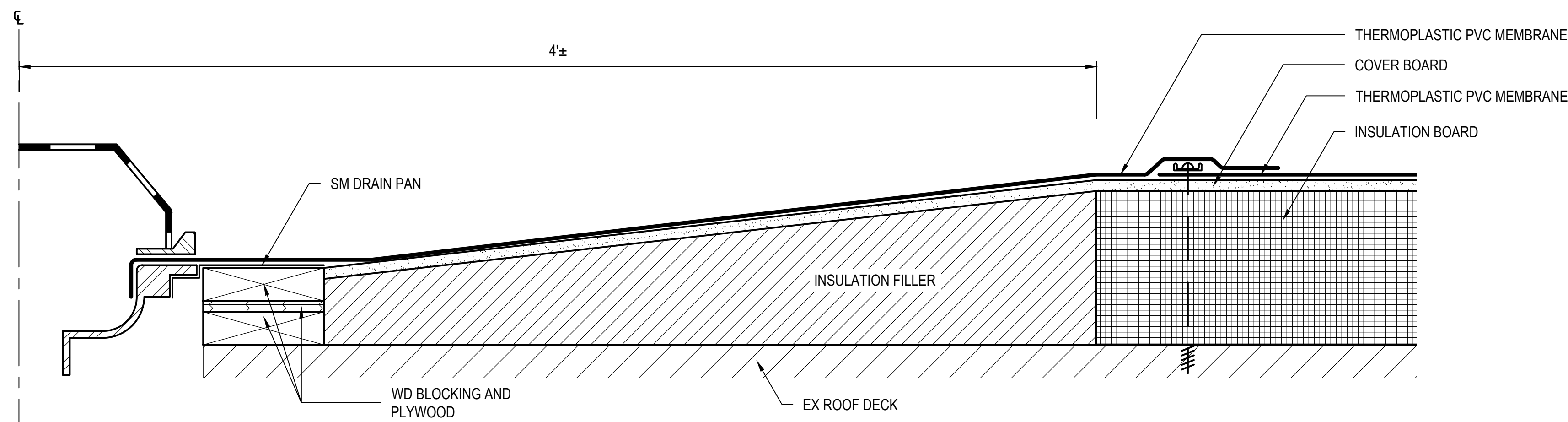
2 TYPICAL PVC STRIP FLASHING

SCALE: 6" = 1'



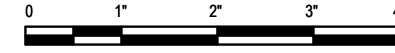
3 TYPICAL TEMPORARY TIE-IN CONSTRUCTION

SCALE: NOT TO SCALE

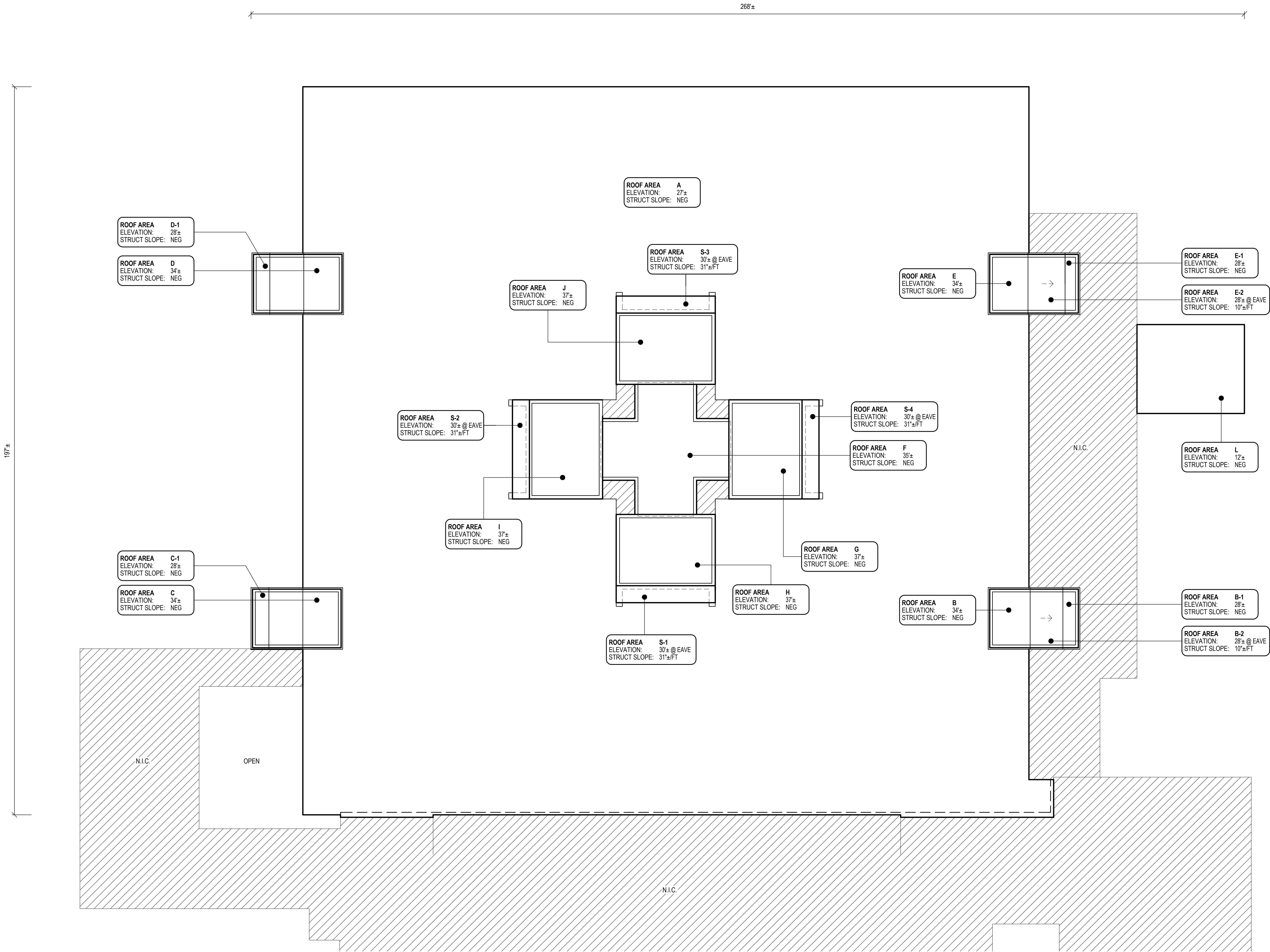


5 TYPICAL DRAIN SUMP

SCALE: 3\"/>



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A
A-101
OVERALL ROOF AREA PLAN
SCALE: 3/32" = 1'
NORTH

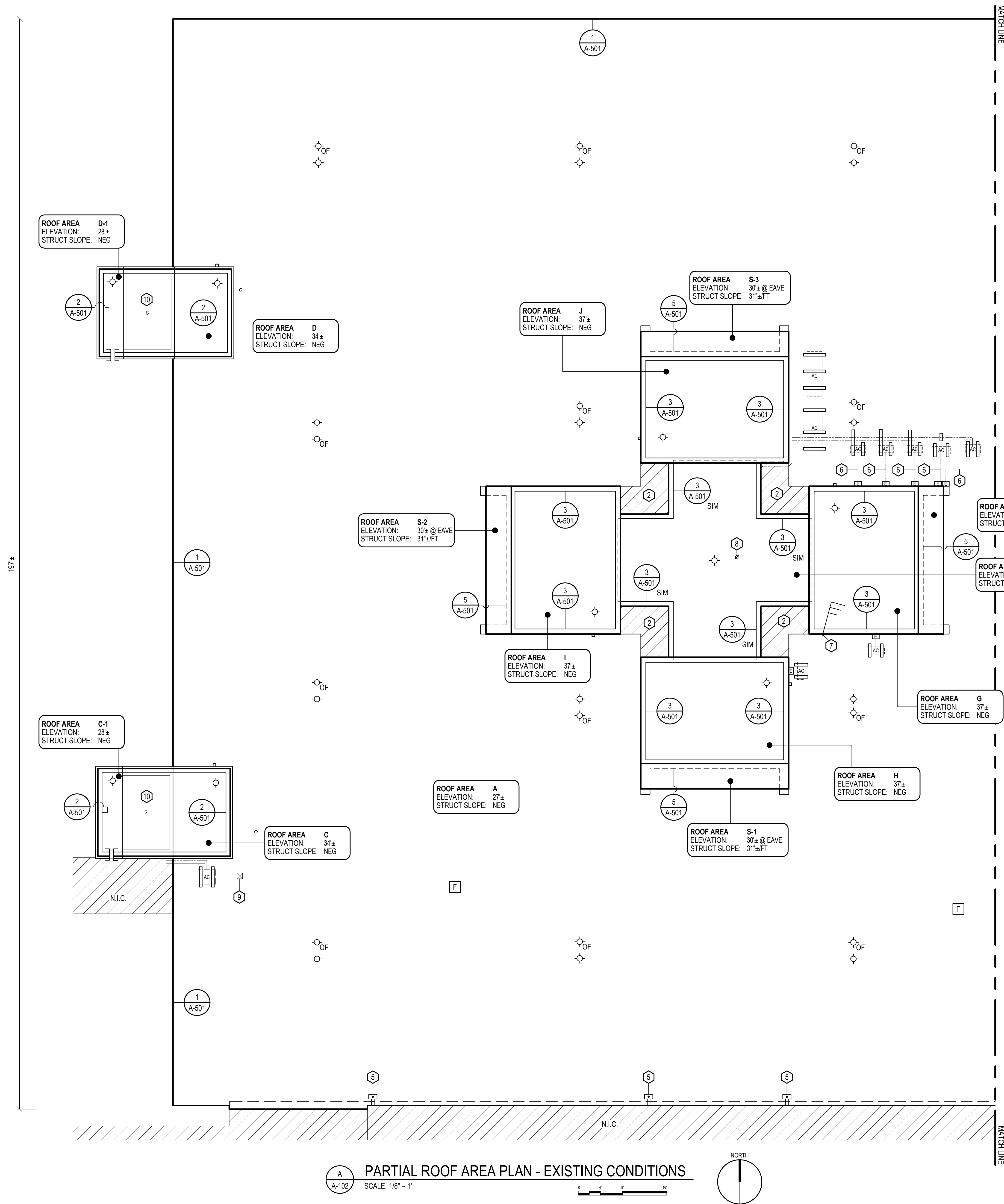
PROJECT	ROOF REPLACEMENT	
	HOWARD COMMUNITY COLLEGE - CLARK LIBRARY	
OWNER	6020 SCHOLARSHIP DR	
	COLUMBIA, MARYLAND 21044	
OWNER	HOWARD COMMUNITY COLLEGE	
	1007 LITTLE PATUXENT PARKWAY	
	COLUMBIA, MARYLAND 21044	

1	2/10/2025	CD SUBMISSION	MLF
NO.	DATE	DESCRIPTION	BY
PROJECT NO.	656503		
CADD FILE	656503 CL A1x		
DESIGNED BY	BAB		
DRAWN BY	MLF		
CHECKED BY	SLB		
DATE	2/10/2025		
DRAWING SCALE	3/32" = 1'		

GRAPHIC SCALE	
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IN FEET (DO NOT SCALE)	
SHEET TITLE	

OVERALL ROOF AREA PLAN	
DRAWING NO.	
A-101	

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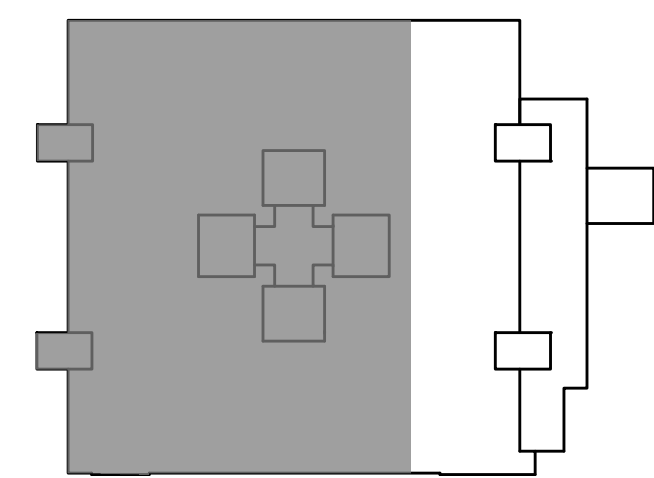


PARTIAL ROOF AREA PLAN - EXISTING CONDITIONS
SCALE: 1/8" = 1'

KEYNOTES

- 1 REMOVE, TRIM, AND REINSTALL EXISTING ACCESS DOOR. SCRAPE, PRIME AND PAINT DOOR AND FRAME.
- 2 COATED CONCRETE ±15" ABOVE THE ROOF TO REMAIN. NO WORK IN THIS AREA. SEE PHOTO 1/PH01.
- 3 REMOVE EXISTING ABANDONED STEEL FRAMING. CUT POSTS FLUSH WITH THE CONCRETE ROOF DECK.
- 4 REMOVE AND REINSTALL EXISTING SPEAKER AS REQUIRED TO REPLACE THE ROOF. COORDINATE WORK WITH OWNER. SEE PHOTO 2/PH01.
- 5 **REMOVE AND REINSTALL EXISTING DOWNSPOUTS AND ASSOCIATED SPLASH BLOCKS AS REQUIRED.**
- 6 REMOVE, AUGMENT, AND REINSTALL EXISTING CONDUIT AS REQUIRED TO REPLACE THE ROOF. REMOVE EXISTING CONDUIT SUPPORTS IN PREPARATION FOR NEW. SEE PHOTOS 3&4/PH01 FOR TYPICAL CONDITIONS.
- 7 REMOVE AND REINSTALL EXISTING WALL-MOUNTED ANTENNA AS REQUIRED. SEE PHOTO 5/PH01.
- 8 EXISTING POLE-MOUNTED RECEIVER AND ASSOCIATED COAXIAL CABLES TO REMAIN. SEE PHOTO 6/PH01.
- 9 REMOVE ABANDONED CURB. COVER DECK OPENING WITH 1/4" THICK STEEL PLATE AND FASTEN IN PLACE. PROVIDE 4" MINIMUM BEARING FOR STEEL PLATE ON ALL FOUR SIDES.
- 10 REMOVE EXISTING SKYLIGHT AND ASSOCIATED CURB. SEE PHOTOS 4&8/PH-01 FOR EXISTING CONDITIONS.

KEY PLAN

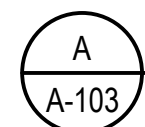


PROJECT	ROOF REPLACEMENT HOWARD COMMUNITY COLLEGE - CLARK LIBRARY 6020 SCHOLARSHIP DR COLUMBIA, MARYLAND 21044		
	OWNER HOWARD COMMUNITY COLLEGE 1007 LITTLE PATUXENT PARKWAY COLUMBIA, MARYLAND 21044		

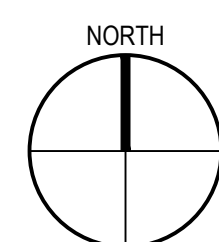
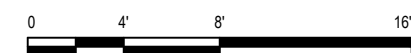
NO.	DATE	DESCRIPTION	BY
1	2/10/2025	CD SUBMISSION	MLF
PROJECT NO.		656503	
CADD FILE		656503 CL A1x	
DESIGNED BY		BAB	
DRAWN BY		MLF	
CHECKED BY		SLB	
DATE		2/10/2025	
DRAWING SCALE		1/8" = 1'	

GRAPHIC SCALE	
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FEET	
SHEET TITLE	

PARTIAL ROOF AREA PLAN EXISTING CONDITIONS	
DRAWING NO. A-102	



SCALE: 1/8" = 1'

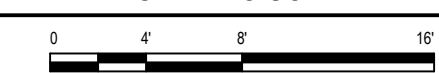


- 1 REMOVE, TRIM, AND REINSTALL EXISTING ACCESS DOOR. SCRAPE, PRIME AND PAINT DOOR AND FRAME.
- 2 COATED CONCRETE $\pm 1\frac{1}{2}$ " ABOVE THE ROOF TO REMAIN. NO WORK IN THIS AREA. SEE PHOTO 1/PH01.
- 3 REMOVE EXISTING ABANDONED STEEL FRAMING. CUT POSTS FLUSH WITH THE CONCRETE ROOF DECK.
- 4 REMOVE AND REINSTALL EXISTING SPEAKER AS REQUIRED TO REPLACE THE ROOF. COORDINATE WORK WITH OWNER. SEE PHOTO 2/PH01.
- 5 **REMOVE AND REINSTALL EXISTING DOWNSPOUTS AND ASSOCIATED SPLASH BLOCKS AS REQUIRED.**
- 6 REMOVE, AUGMENT, AND REINSTALL EXISTING CONDUIT AS REQUIRED TO REPLACE THE ROOF. REMOVE EXISTING CONDUIT SUPPORTS IN PREPARATION FOR NEW. SEE PHOTOS 3&4/PH01 FOR TYPICAL CONDITIONS.
- 7 REMOVE AND REINSTALL EXISTING WALL-MOUNTED ANTENNA AS REQUIRED. SEE PHOTO 5/PH01.
- 8 EXISTING POLE-MOUNTED RECEIVER AND ASSOCIATED COAXIAL CABLES TO REMAIN. SEE PHOTO 6/PH01.
- 9 REMOVE ABANDONED CURB. COVER DECK OPENING WITH $\frac{3}{4}$ " THICK STEEL PLATE AND FASTEN IN PLACE. PROVIDE 4" MINIMUM BEARING FOR STEEL PLATE ON ALL FOUR SIDES.
- 10 REMOVE EXISTING SKYLIGHT AND ASSOCIATED CURB. SEE PHOTOS 4&8/PH-01 FOR EXISTING CONDITIONS.

1	2/10/2025	CD SUBMISSION	ML
NO.	DATE	DESCRIPTION	B

PROJECT NO.	656503
CADD FILE	656503 CL A1x
DESIGNED BY	BAB
DRAWN BY	MLF
CHECKED BY	SLB
DATE	2/10/2025
DRAWING SCALE	1/8" = 1'

GRAPHIC SCALE



SHEET TITLE

PARTIAL ROOF AREA
PLAN
EXISTING
CONDITIONS

DRAWING NO.

A-103

PROJECT
ROOF REPLACEMENT
HOWARD COMMUNITY COLLEGE - CLARK LIBRARY
6020 SCHOLARSHIP DR
COLUMBIA, MARYLAND 21044

OWNER
HOWARD COMMUNITY COLLEGE
1007 LITTLE PATUXENT PARKWAY
COLUMBIA, MARYLAND 21044

NO.	DATE	DESCRIPTION	BY
1	2/10/2025	CD SUBMISSION	MLF

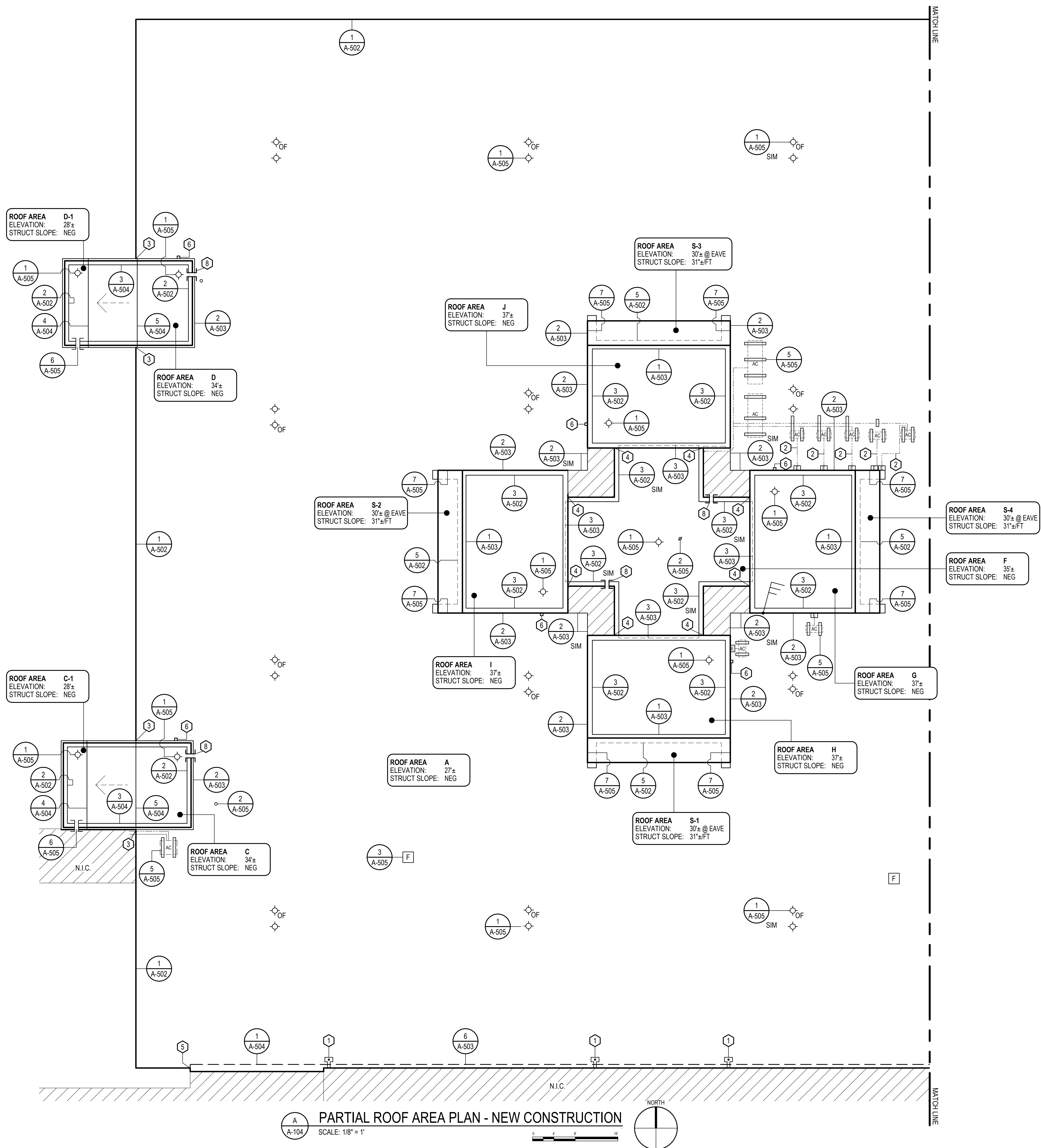
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CADD FILE	656503 CL A1x
DESIGNED BY	BAB
DRAWN BY	MLF
CHECKED BY	SLB
DATE	2/10/2025
DRAWING SCALE	1/8" = 1'

GRAPHIC SCALE

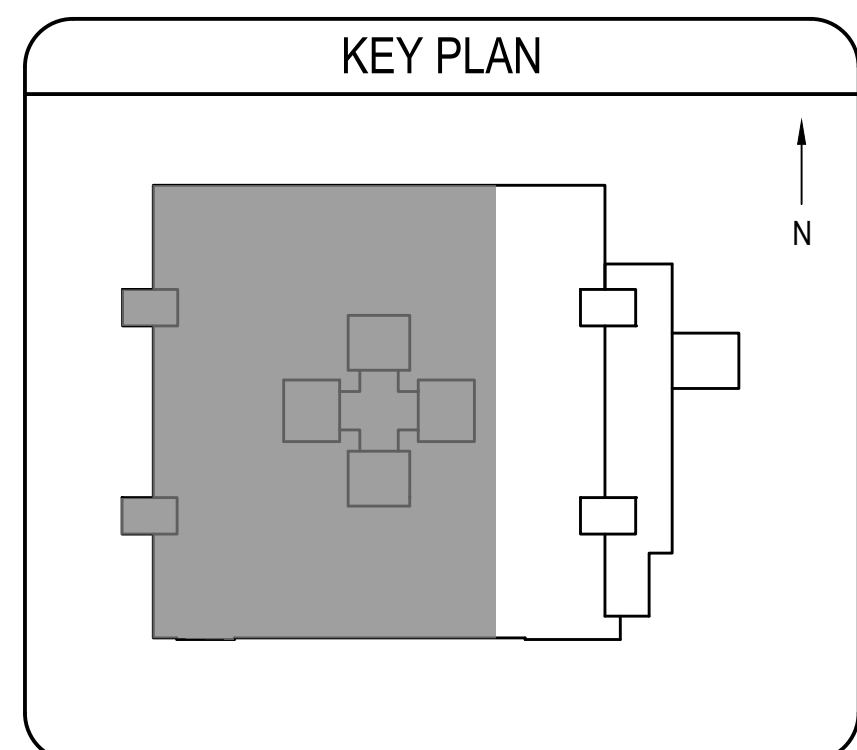
SHEET TITLE

PARTIAL
ROOF AREA
PLAN
NEW
CONSTRUCTION

DRAWING NO.
A-104



- KEYNOTES**
- PROVIDE WALKWAY PADS UNDER REINSTALLED NON-PENETRATING SPLASH BLOCK.
 - PROVIDE NON-PENETRATING CONDUIT SUPPORTS AT 6' O.C. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 - CONTINUE REGLET 6" BEYOND EDGE. PROVIDE SM END CLOSURE, FULL HEIGHT OF BASE FLASHING.
 - PROVIDE REGLET COUNTERFLASHING, STARTING AT END OF LOUVER AND CONTINUING 6" PAST PARAPET. PROVIDE SM END CLOSURE, FULL HEIGHT OF FLASHING.
 - PROVIDE SM END CAP AT EXPANSION JOINT.
 - STEP REGLET COUNTERFLASHING UP AND OVER DRAIN OUTLET. EXTEND CAST IRON OUTLET PIPE AS REQUIRED TO PROVIDE PREFABRICATED PIPE BOOT. PROVIDE SPLASH BLOCK ON WALKWAY PAD. SEE PHOTO 7/PH01.
 - REFER TO 6/A-504 FOR SKYLIGHT INFILL FRAMING PLAN.
 - PROVIDE NEW MINIMUM 5" WIDE OVERFLOW SCUPPER.



PROJECT
ROOF REPLACEMENT
HOWARD COMMUNITY COLLEGE - CLARK LIBRARY
6020 SCHOLARSHIP DR
COLUMBIA, MARYLAND 21044

OWNER
HOWARD COMMUNITY COLLEGE
001 LITTLE PATUXENT PARKWAY
COLUMBIA, MARYLAND 21044

1	2/10/2025	CD SUBMISSION	ML
NO.	DATE	DESCRIPTION	B

PROJECT NO.	656503
CADD FILE	656503 CL A1x
DESIGNED BY	BAB
DRAWN BY	MLF
CHECKED BY	SLB
DATE	2/10/2025
DRAWING SCALE	1/8" = 1'

GRAPHIC SCALE

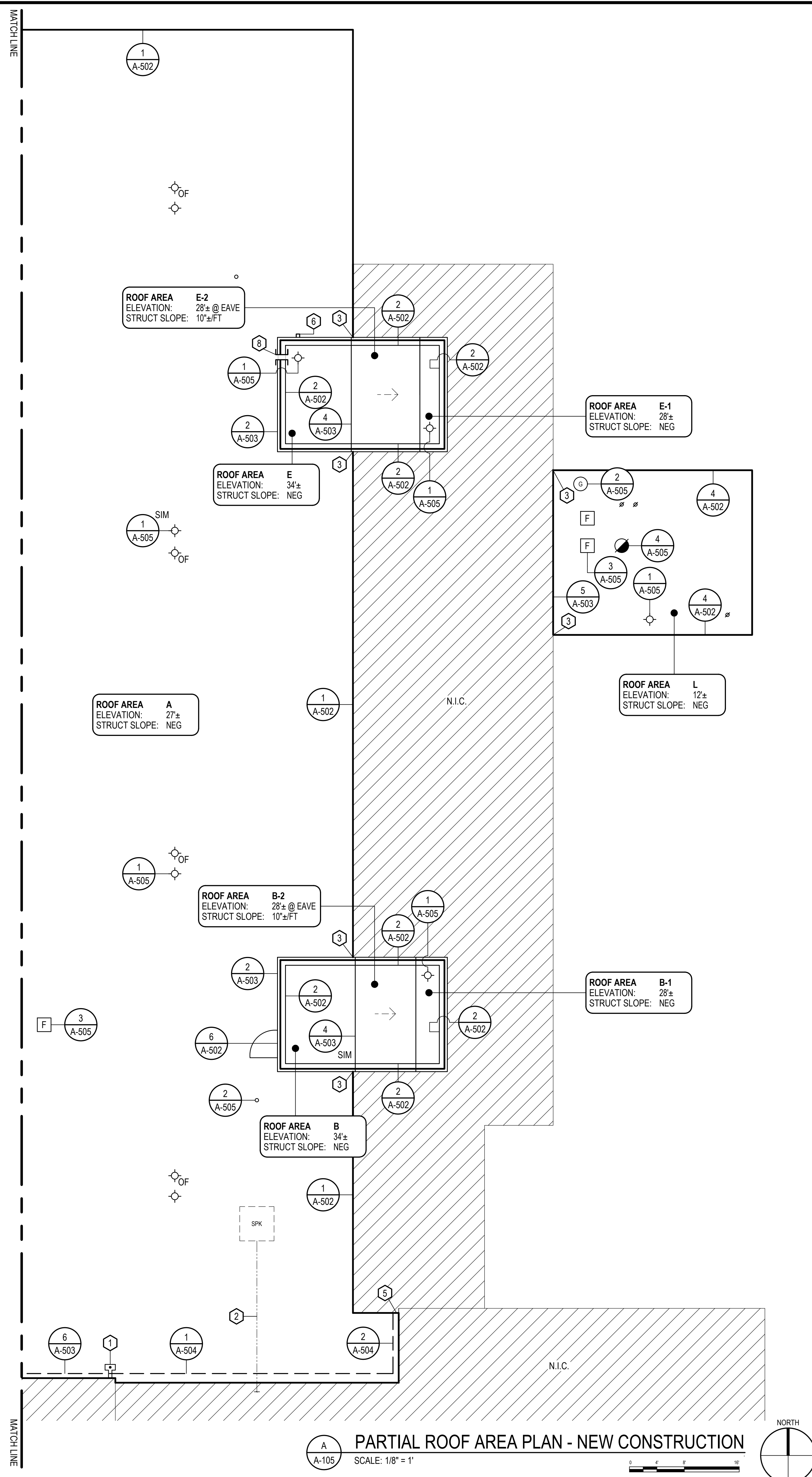
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SHEET TITLE

PARTIAL
ROOF AREA
PLAN
NEW
CONSTRUCTION

DRAWING NO.

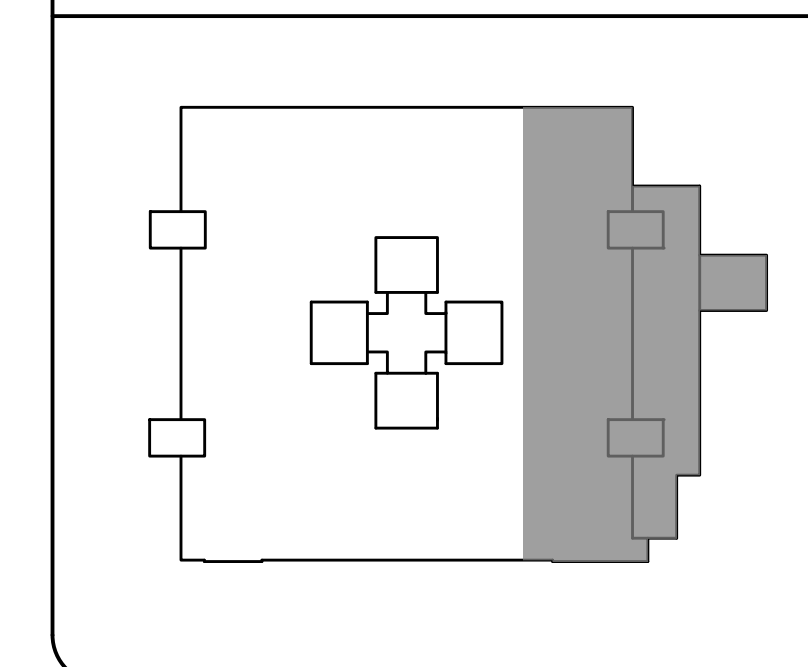
A-105



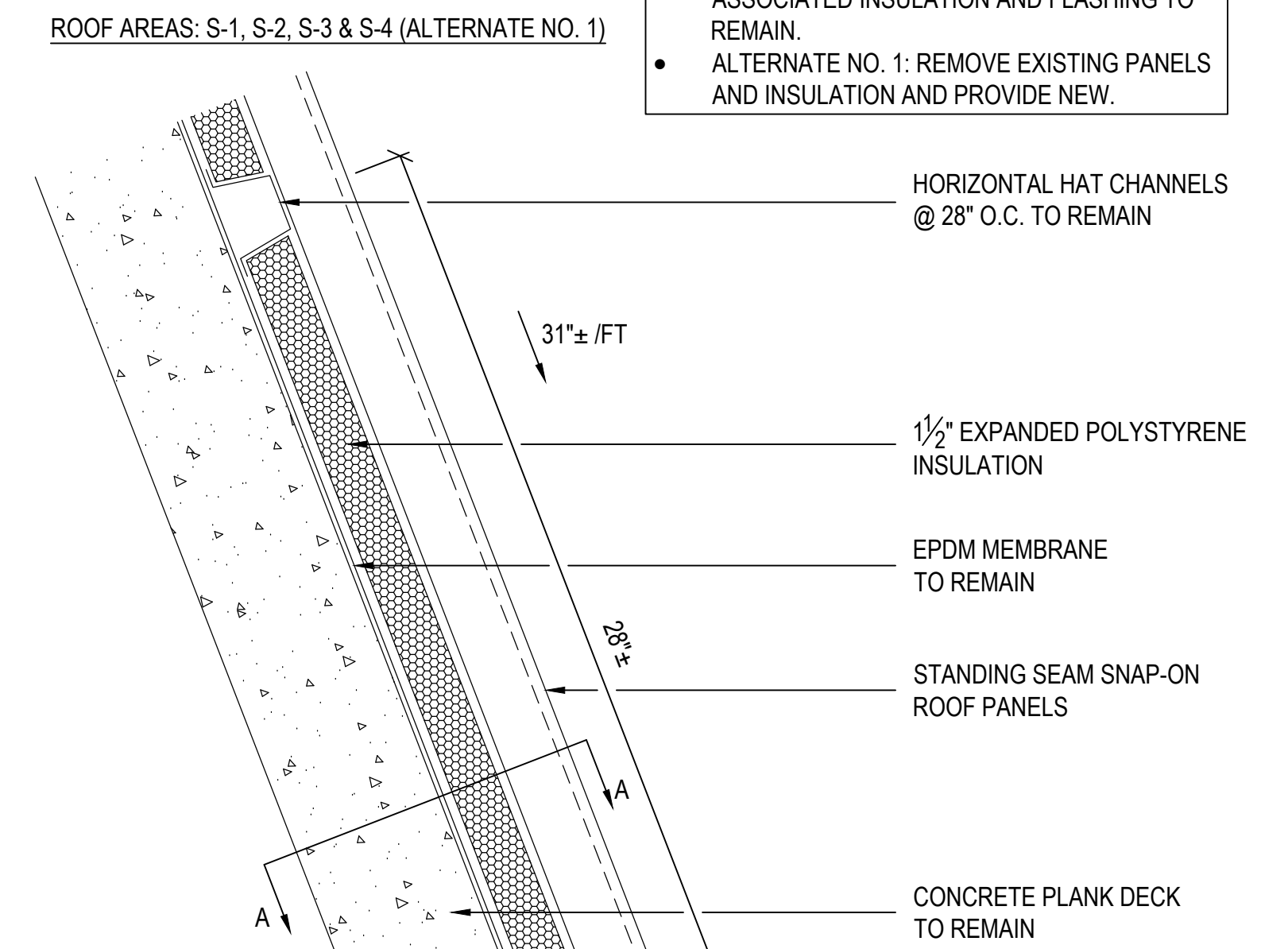
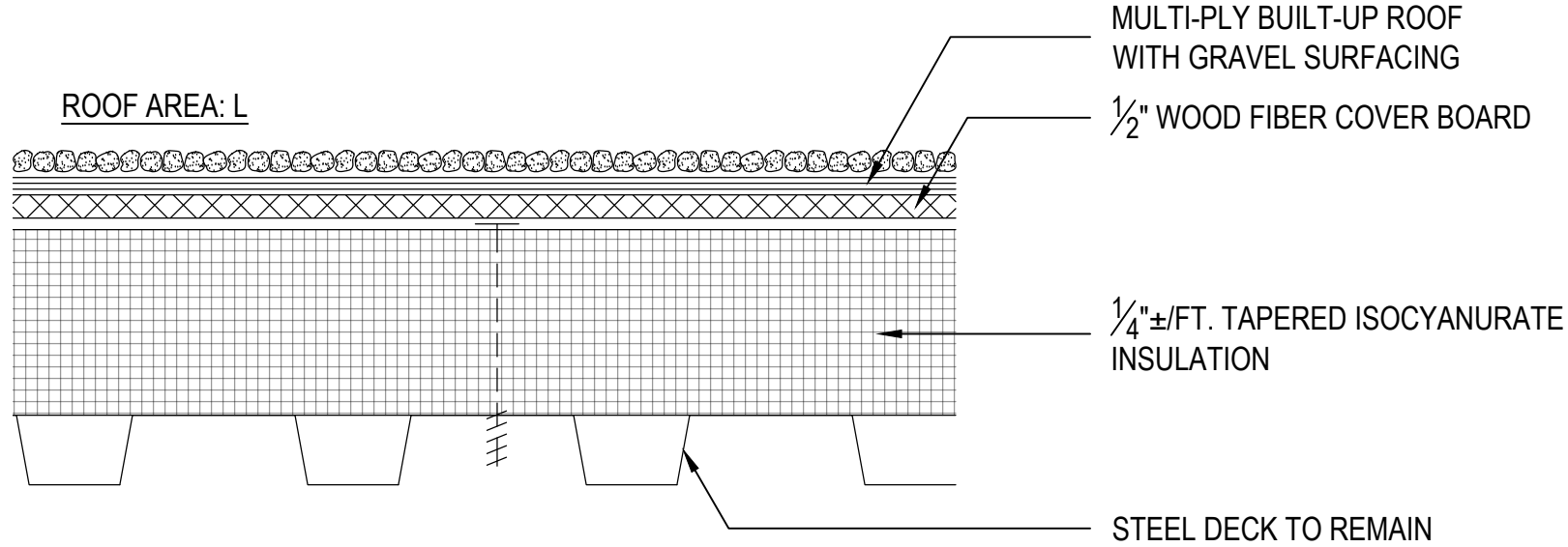
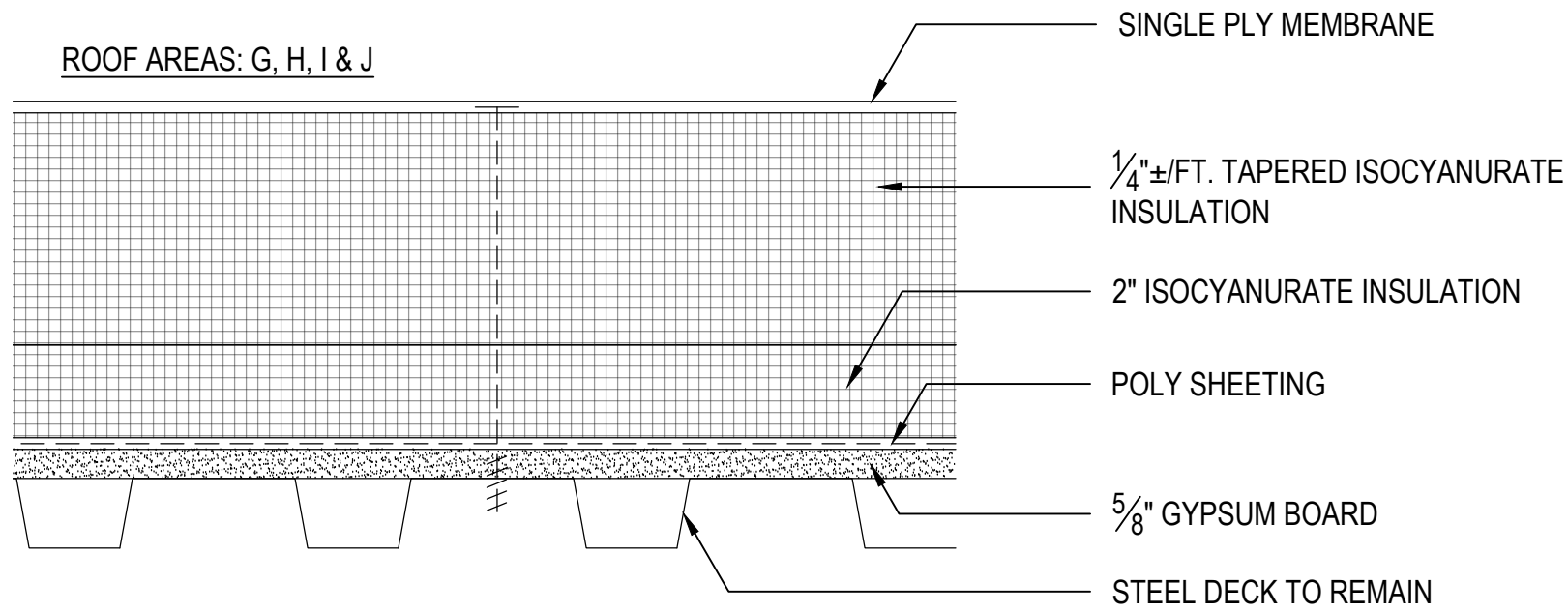
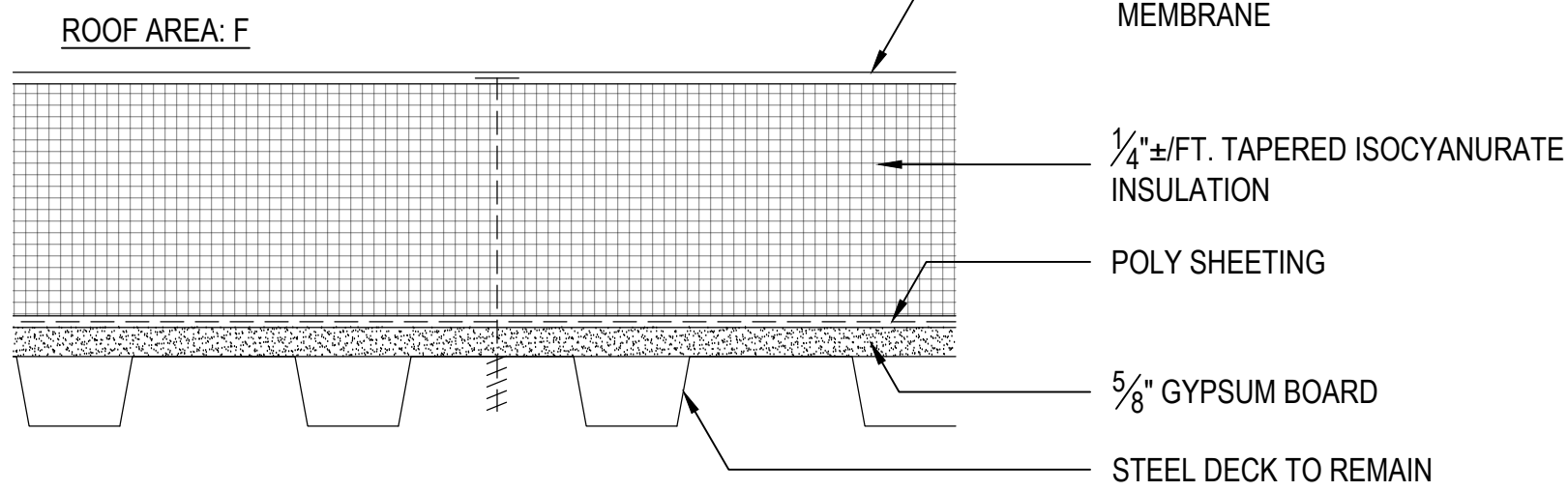
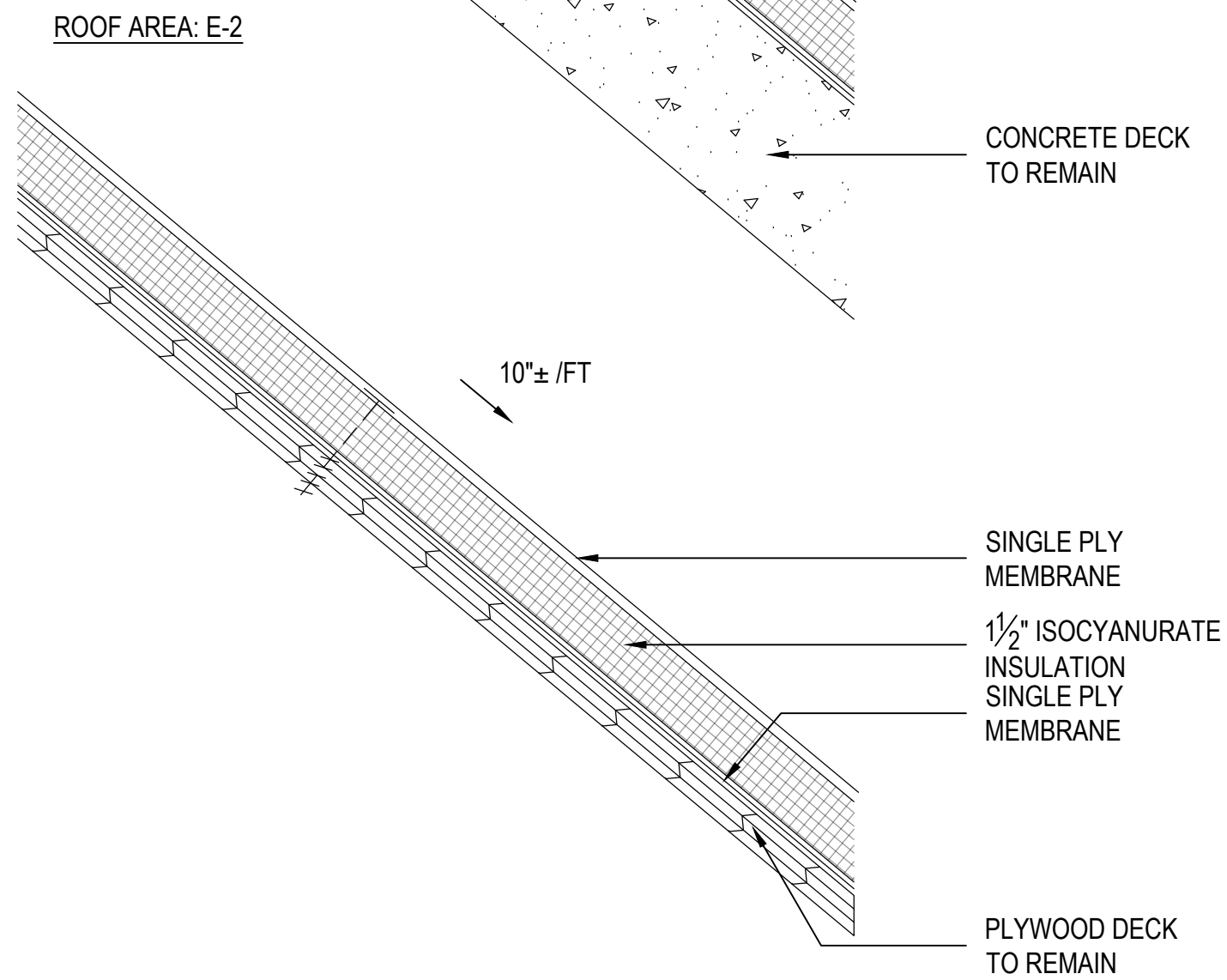
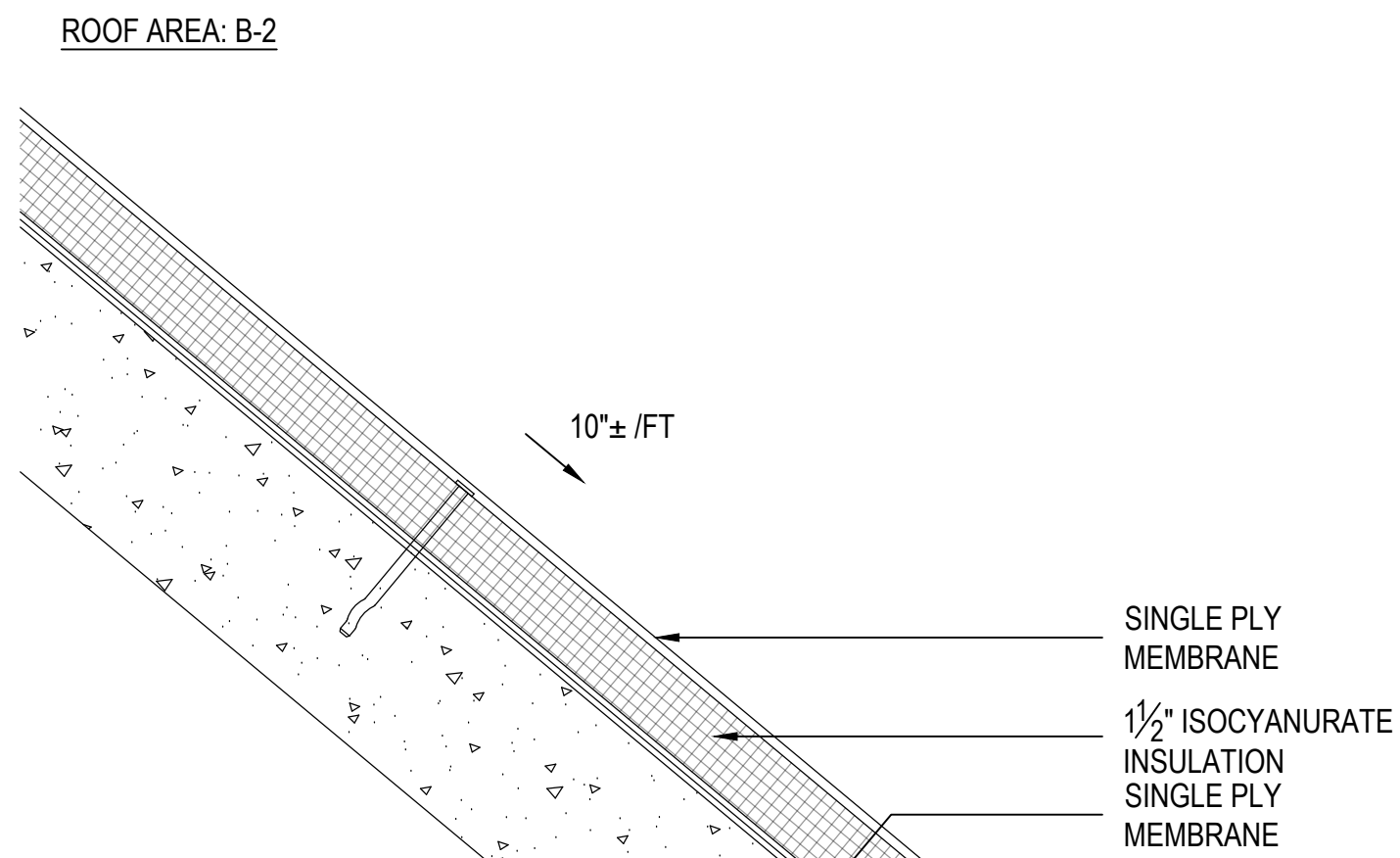
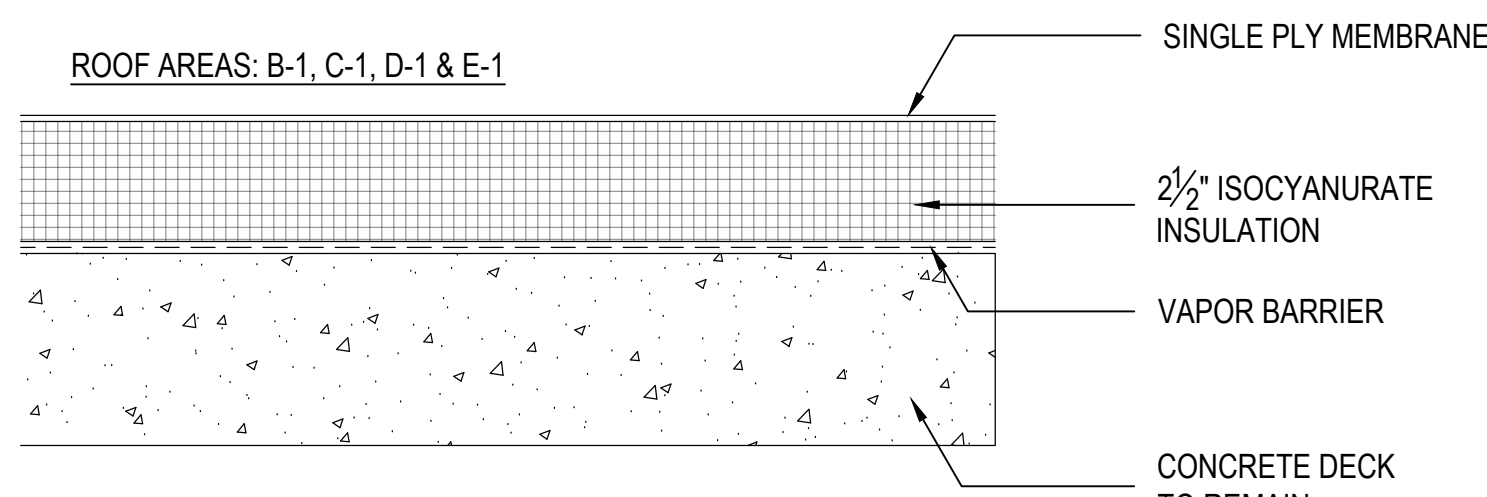
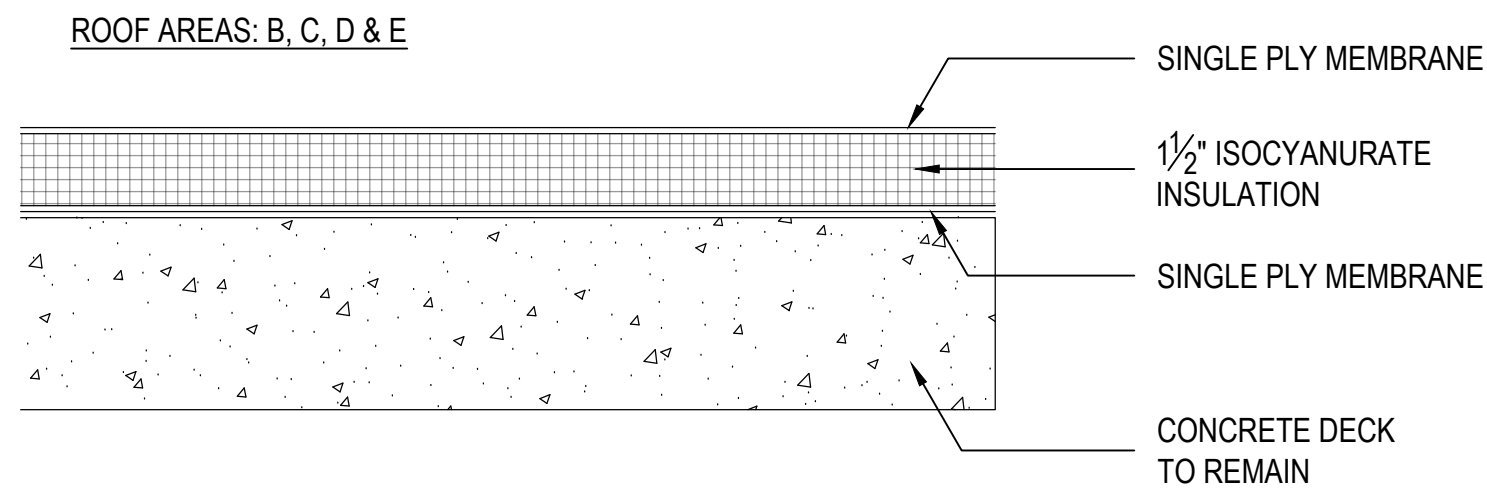
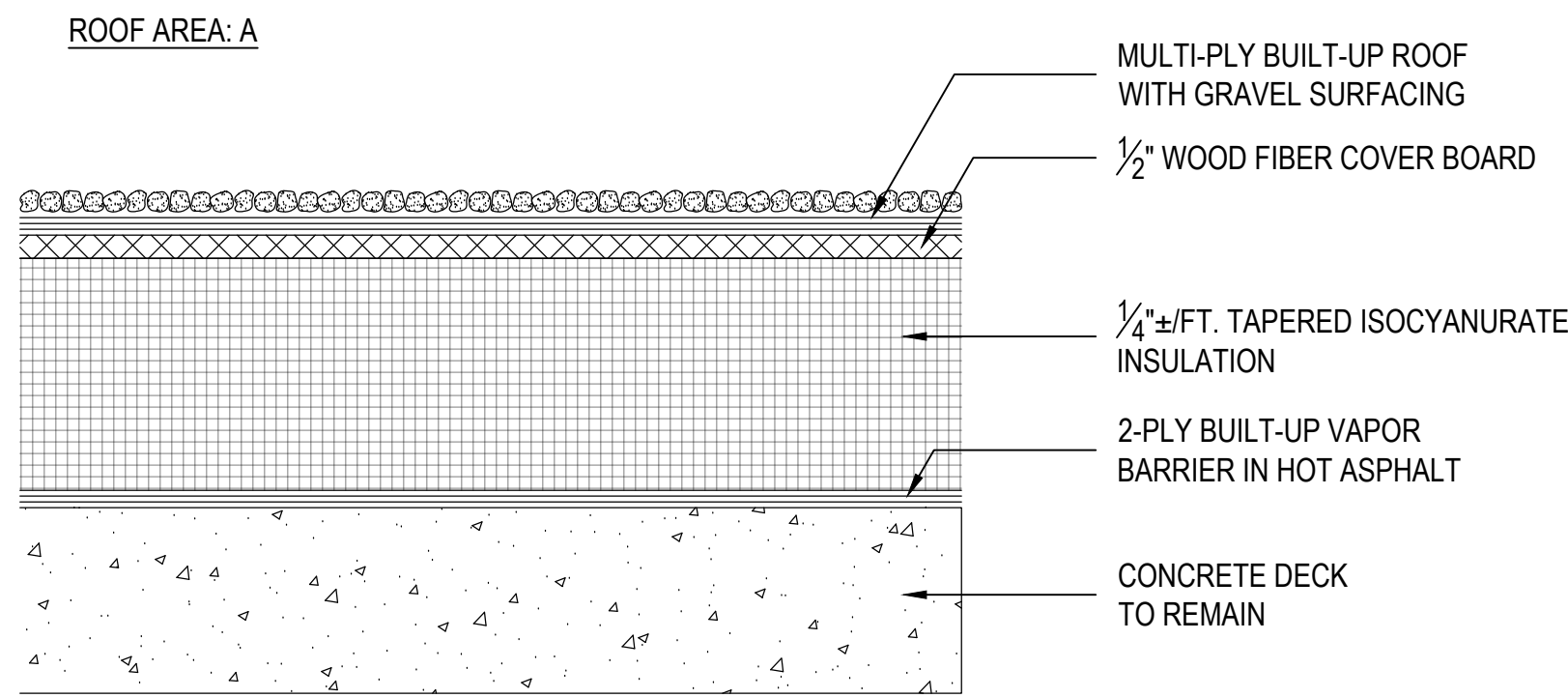
KEYNOTES

- 1 PROVIDE WALKWAY PADS UNDER REINSTALLED NON-PENETRATING SPLASH BLOCK.
- 2 PROVIDE NON-PENETRATING CONDUIT SUPPORTS AT 6" O.C. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- 3 CONTINUE REGLET 6" BEYOND EDGE. PROVIDE SM END CLOSURE. FULL HEIGHT OF BASE FLASHING.
- 4 PROVIDE REGLET COUNTERFLASHING, STARTING AT END OF LOUVER AND CONTINUING 6" PAST PARAPET. PROVIDE SM END CLOSURE, FULL HEIGHT OF FLASHING.
- 5 PROVIDE SM END CAP AT EXPANSION JOINT.
- 6 STEP REGLET COUNTERFLASHING UP AND OVER DRAIN OUTLET. EXTEND CAST IRON OUTLET PIPE AS REQUIRED TO PROVIDE PREFABRICATED PIPE BOOT. PROVIDE SPLASH BLOCK ON WALKWAY PAD. SEE PHOTO 7/PH01.
- 7 REFER TO 61A-504 FOR SKYLIGHT INFILL FRAMING PLAN.
- 8 PROVIDE NEW MINIMUM 5" WIDE OVEFLOW SCUPPER.

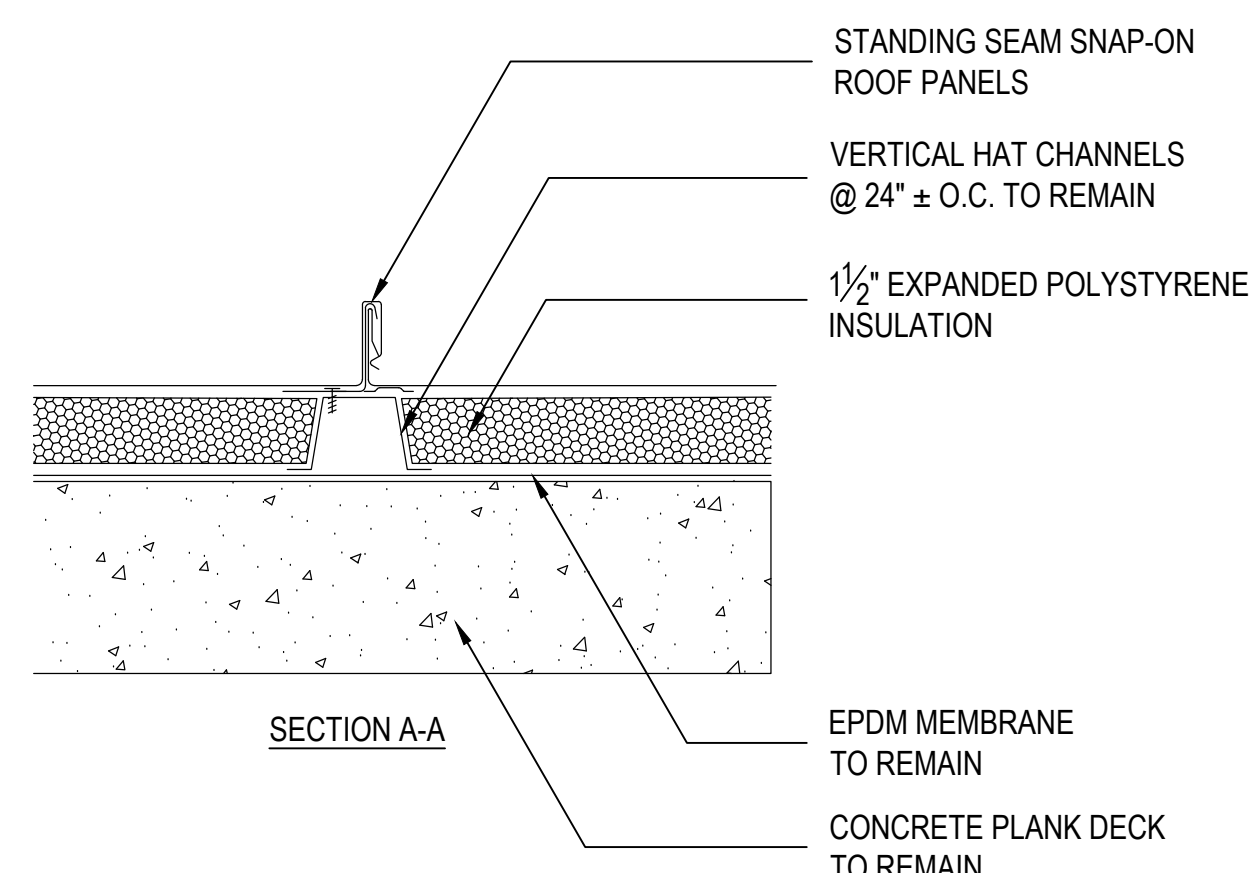
KEY PLAN



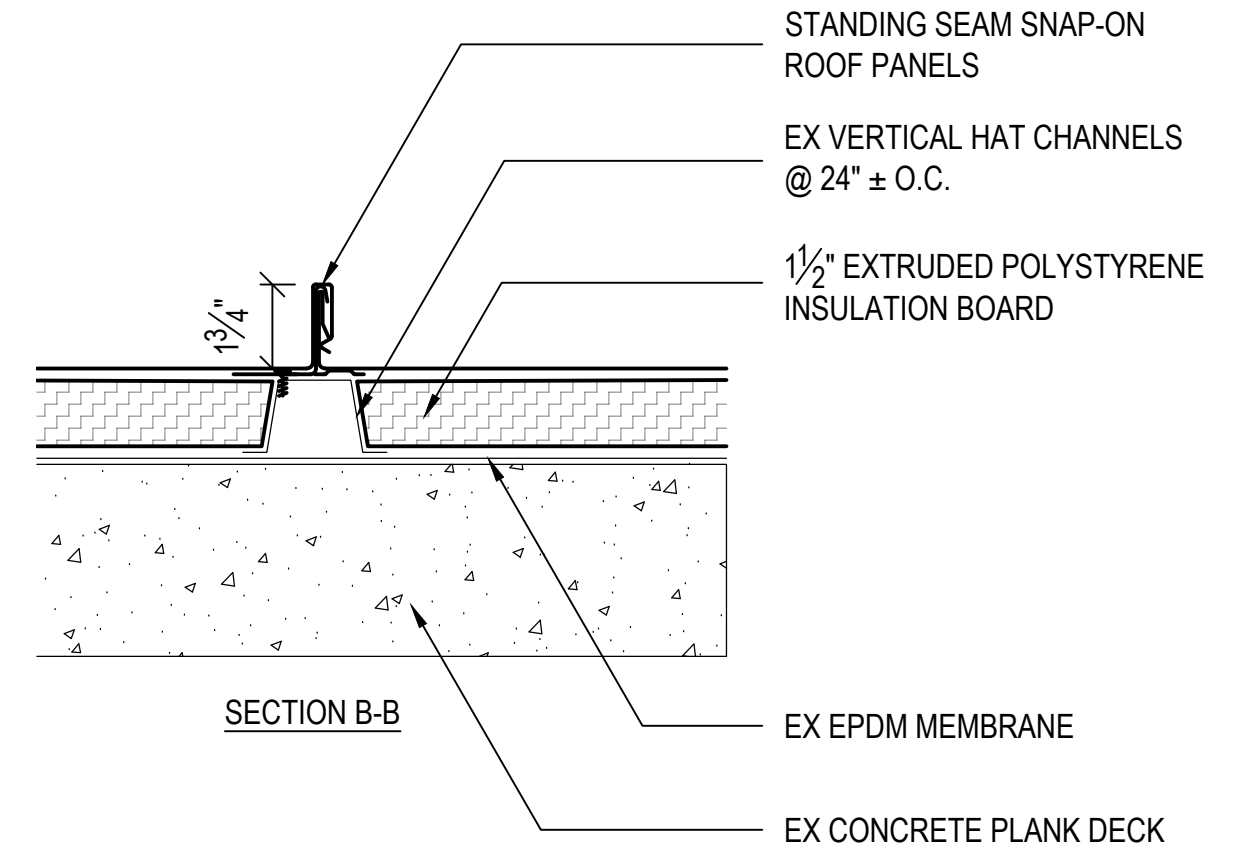
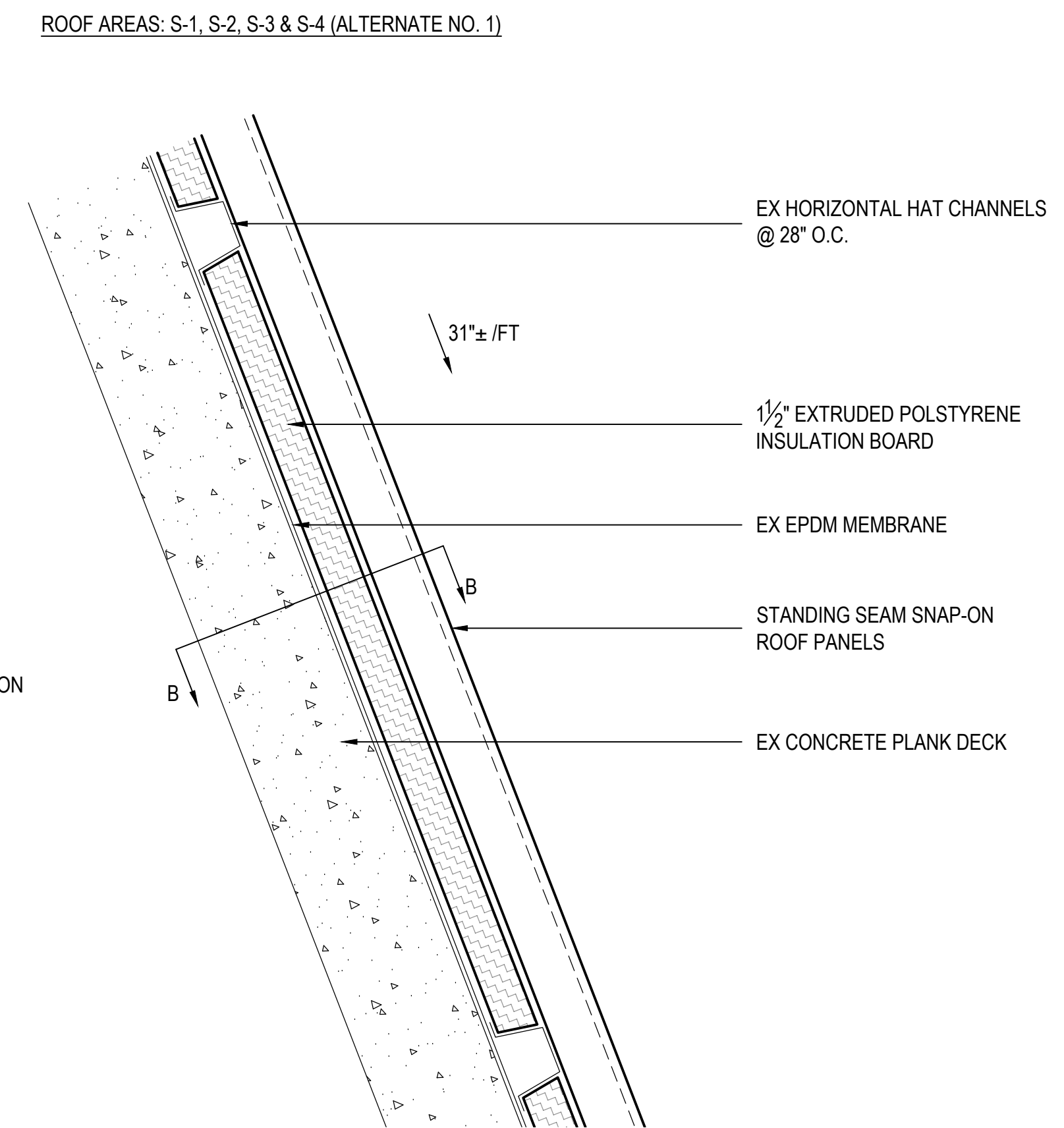
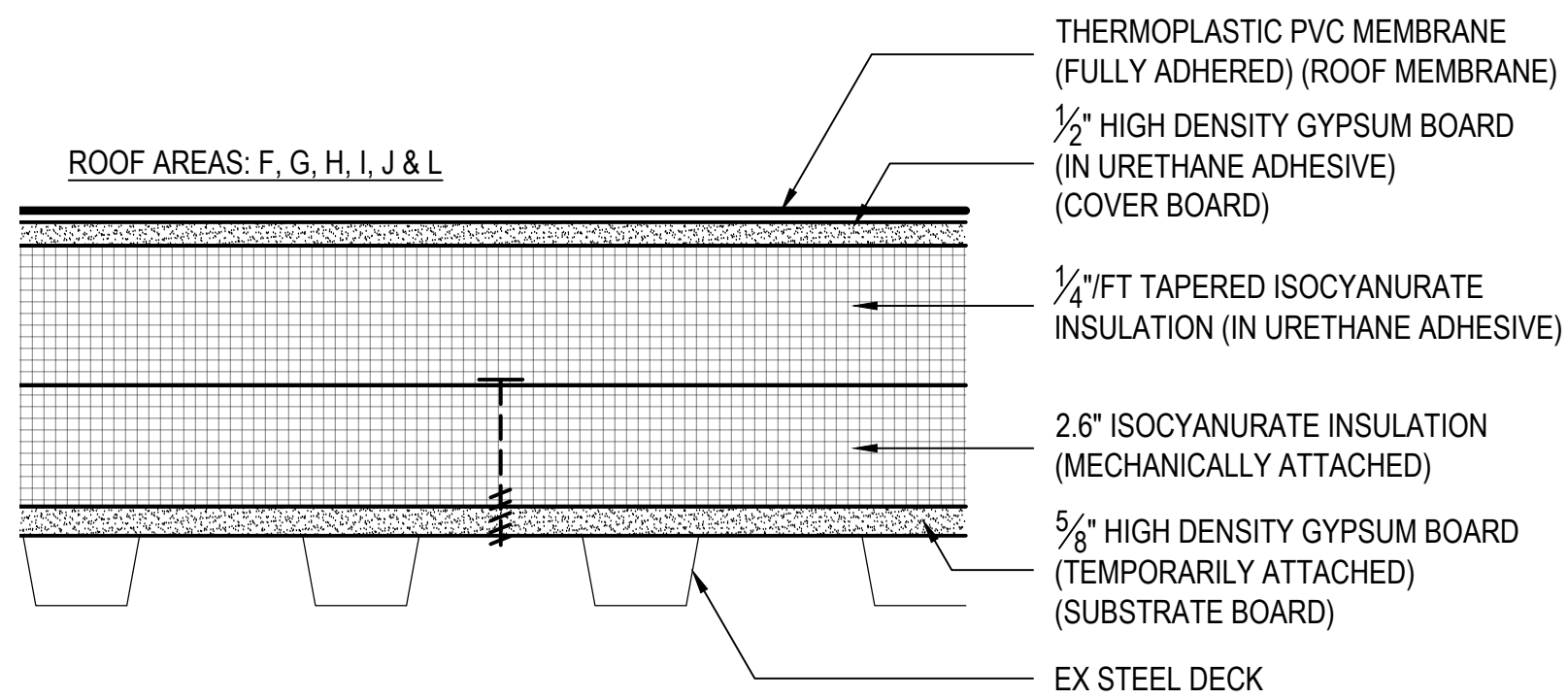
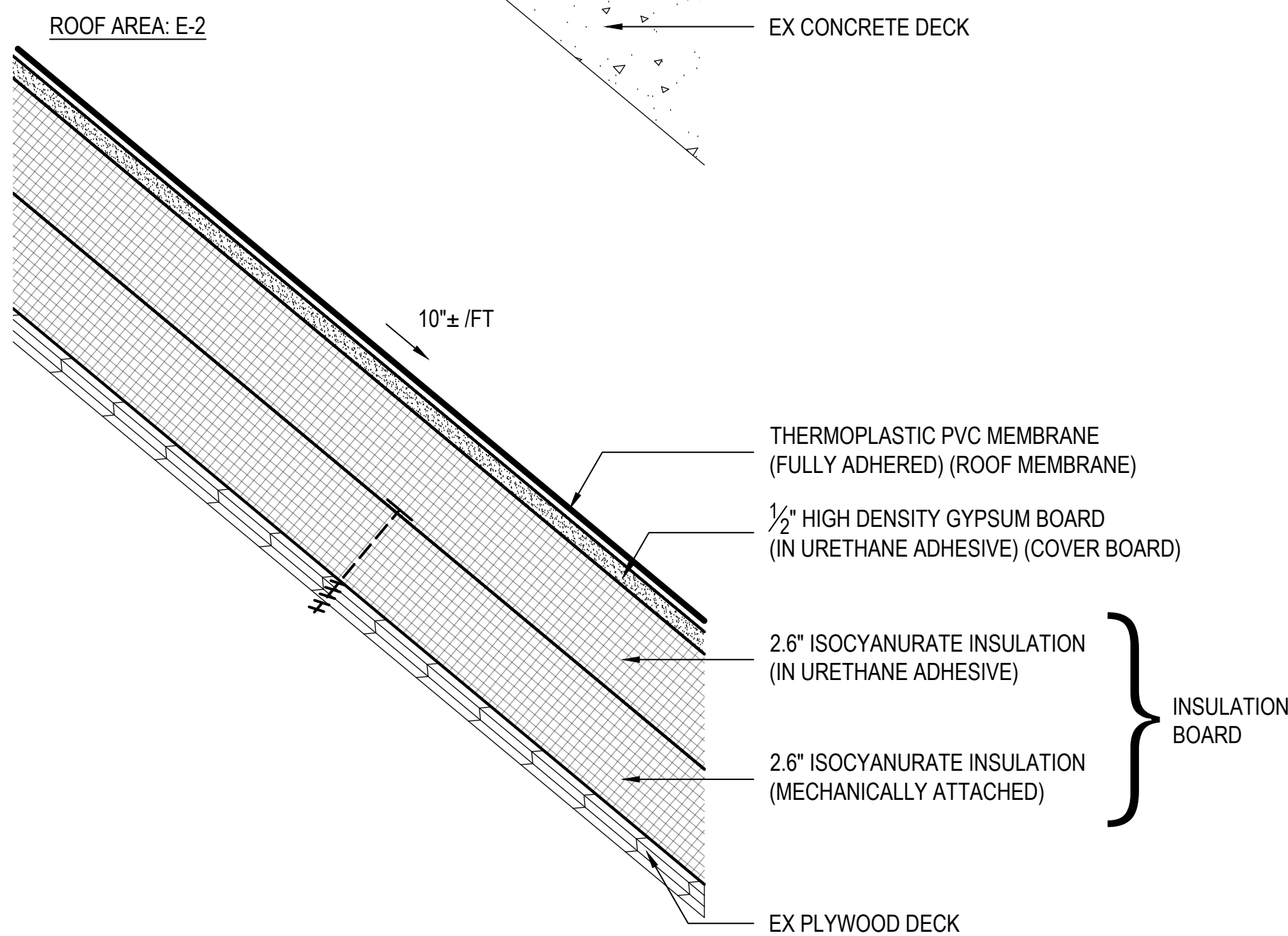
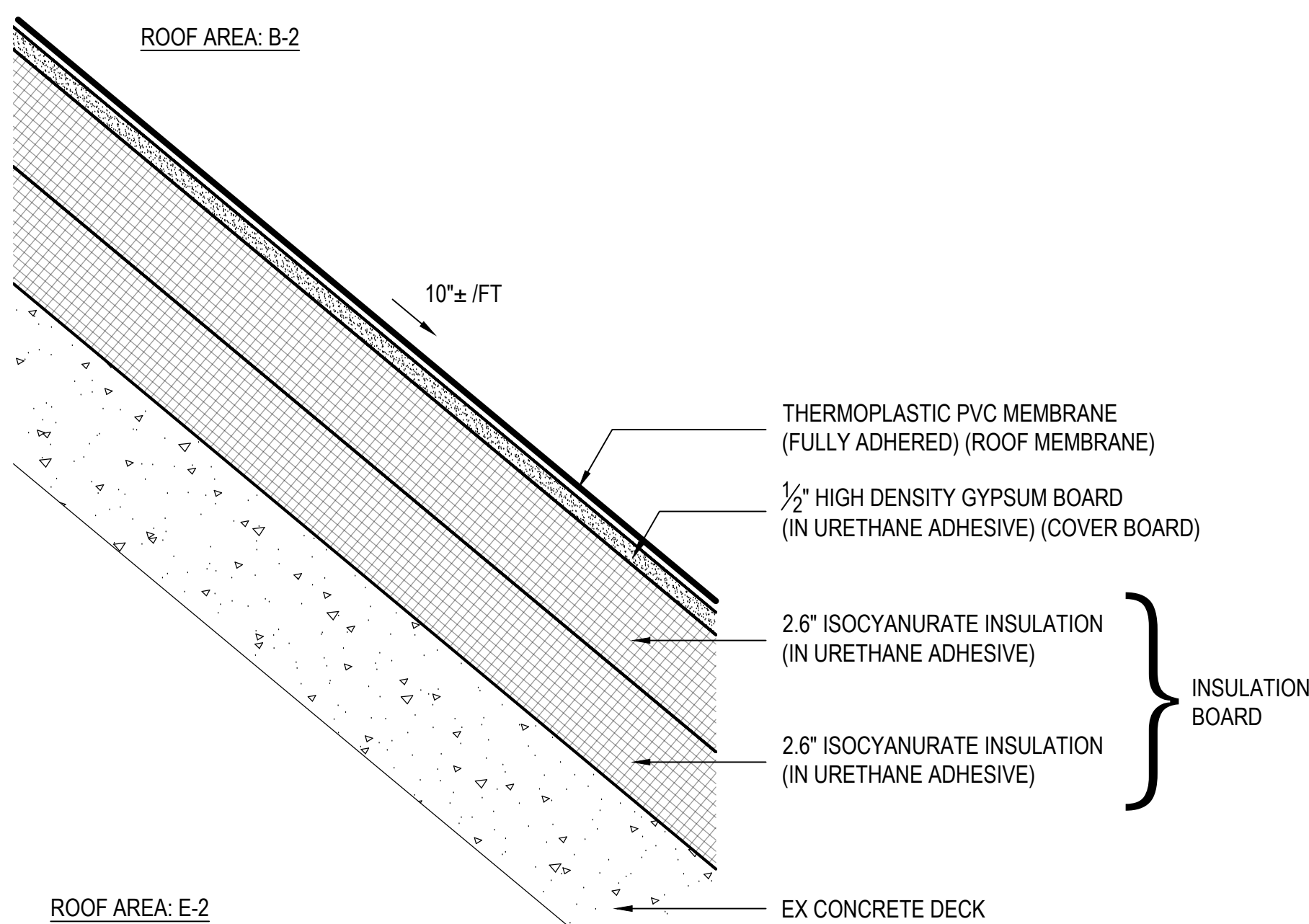
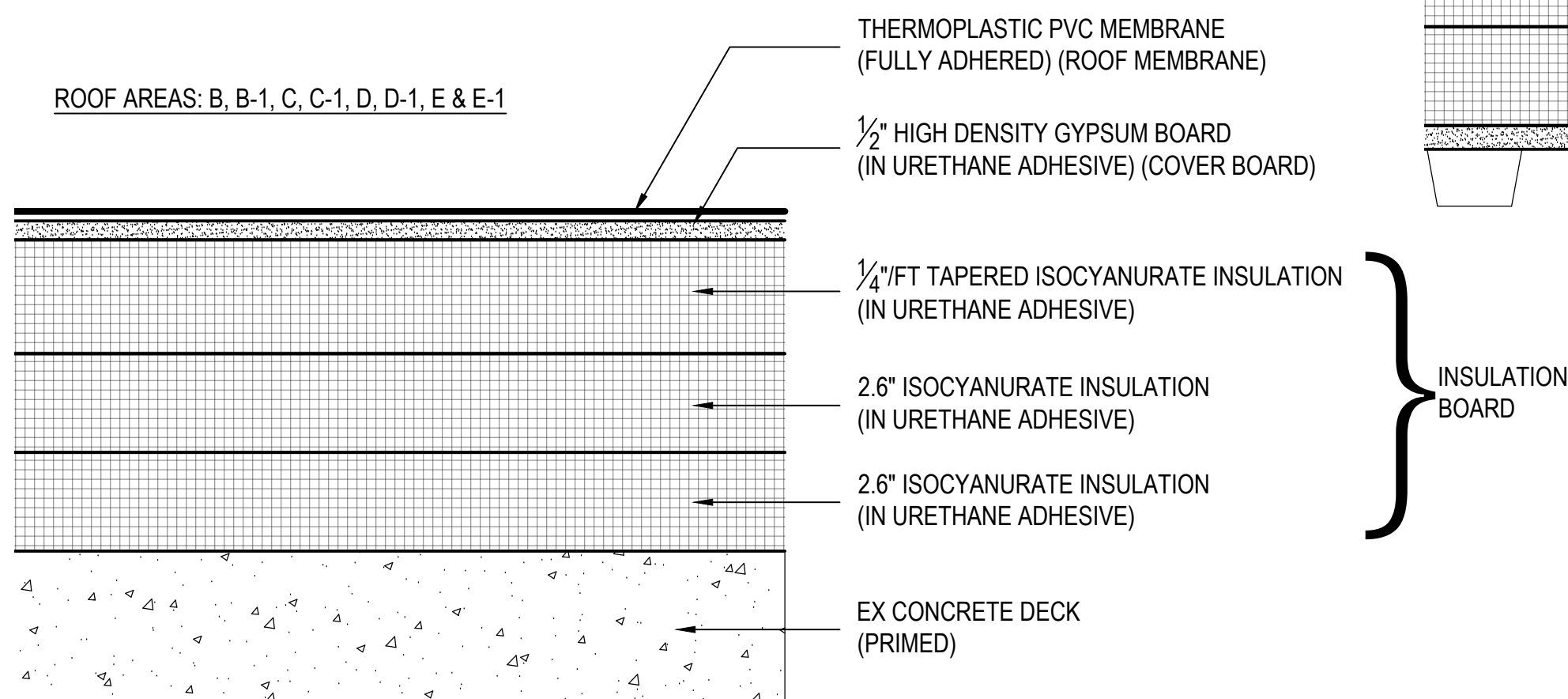
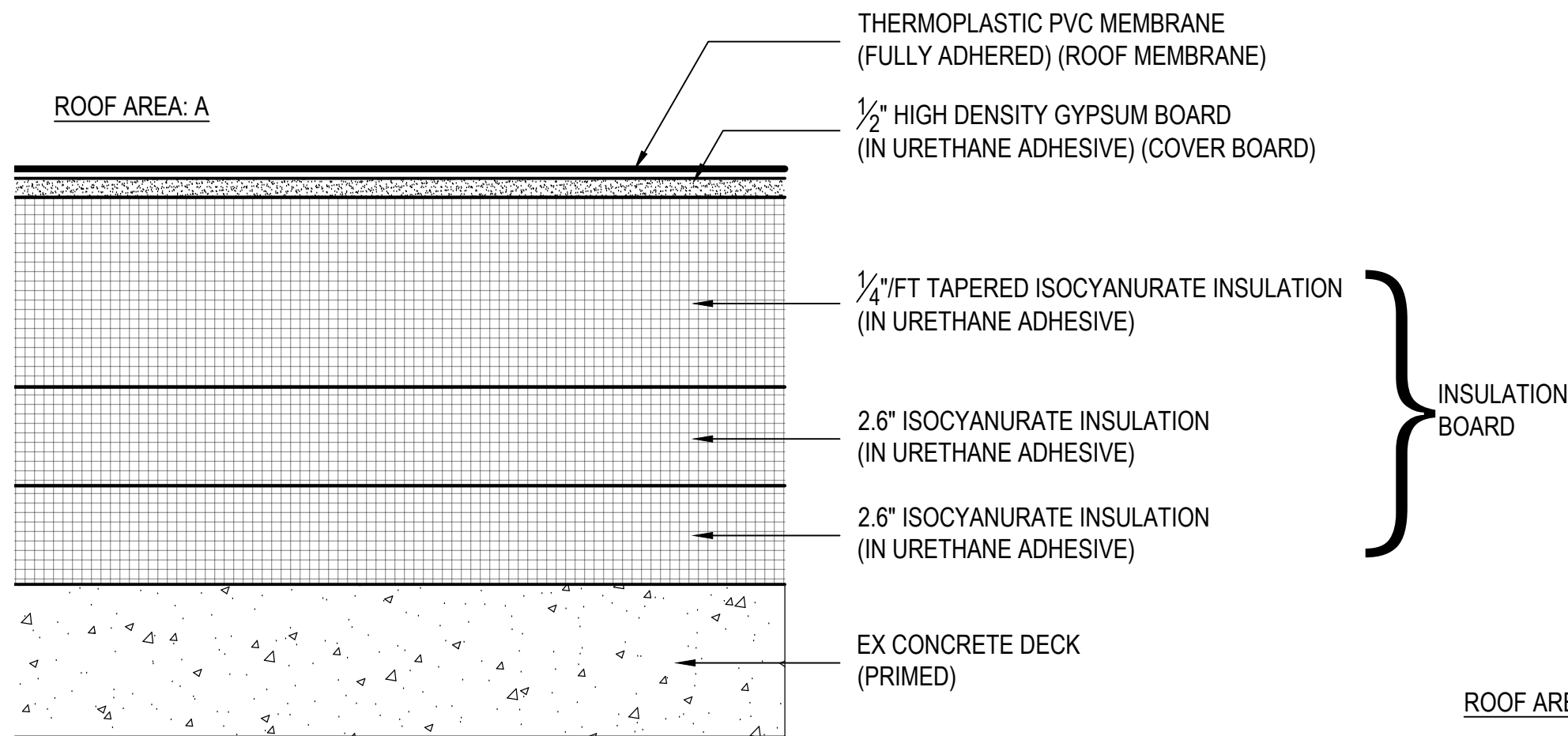
EXISTING CONDITIONS



- NOTES:
- BASE BID: EXISTING METAL ROOF AND ASSOCIATED INSULATION AND FLASHING TO REMAIN.
 - ALTERNATE NO. 1: REMOVE EXISTING PANELS AND INSULATION AND PROVIDE NEW.



NEW CONSTRUCTION



ALL ITEMS ARE NEW UNLESS DESIGNATED AS EXISTING (EX)

GALE
Gale Associates, Inc.
Engineers Architects Planners
1122 Kenilworth Drive, Suite 206
Towson, Md 21204-2143
P 443-279-4500 F 443-279-4560
www.gainc.com
Massachusetts Maryland Connecticut
Virginia New Hampshire Florida Maine
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PROJECT
ROOF REPLACEMENT
HOWARD COMMUNITY COLLEGE - CLARK LIBRARY
6020 SCHOLARSHIP DR
COLUMBIA, MARYLAND 21044
OWNER
HOWARD COMMUNITY COLLEGE
1007 LITTLE PATUXENT PARKWAY
COLUMBIA, MARYLAND 21044

NO.	DATE	DESCRIPTION	BY
1	2/10/2025	CD SUBMISSION	MLF
PROJECT NO.	656503		
CADD FILE	656503 CL A5x		
DESIGNED BY	BAB		
DRAWN BY	MLF		
CHECKED BY	SLB		
DATE	2/10/2025		
DRAWING SCALE	3" = 1"		

GRAPHIC SCALE
0 2' 4' 6' 8'
1" REPRESENTS 2'-0" ON THE DRAWING SCALE
SHEET TITLE

ROOF SYSTEM
CROSS SECTIONS

DRAWING NO.
A-301

REMOVE ALL ITEMS UNLESS DESIGNATED TO REMAIN

PROJECT
ROOF REPLACEMENT
HOWARD COMMUNITY COLLEGE - CLARK LIBRARY
6020 SCHOLARSHIP DR
COLUMBIA, MARYLAND 21044

OWNER
HOWARD COMMUNITY COLLEGE
1007 LITTLE PATUXENT PARKWAY
COLUMBIA, MARYLAND 21044

NO.	DATE	DESCRIPTION	BY
1	2/10/2025	CD SUBMISSION	MLF

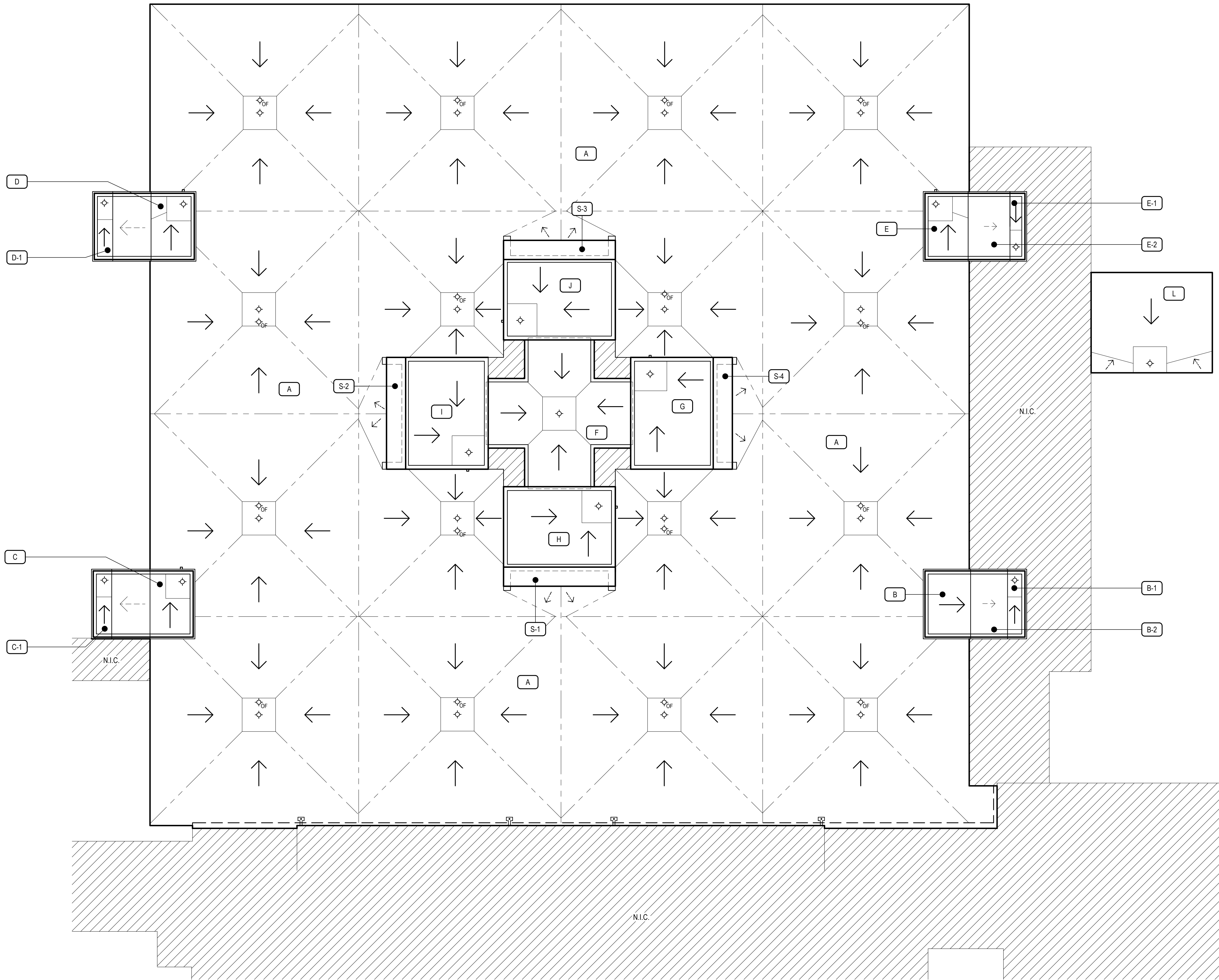
PROJECT NO.	656503
CADD FILE	656503 CL A1x
DESIGNED BY	BAB
DRAWN BY	MLF
CHECKED BY	SLB
DATE	2/10/2025
DRAWING SCALE	1/16" = 1'

GRAPHIC SCALE
0 8 16 32'
1" = 16'-0"

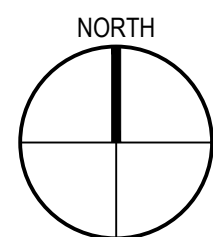
SHEET TITLE
**CONCEPTUAL
TAPERED
INSULATION
PLAN**

DRAWING NO.

A-401

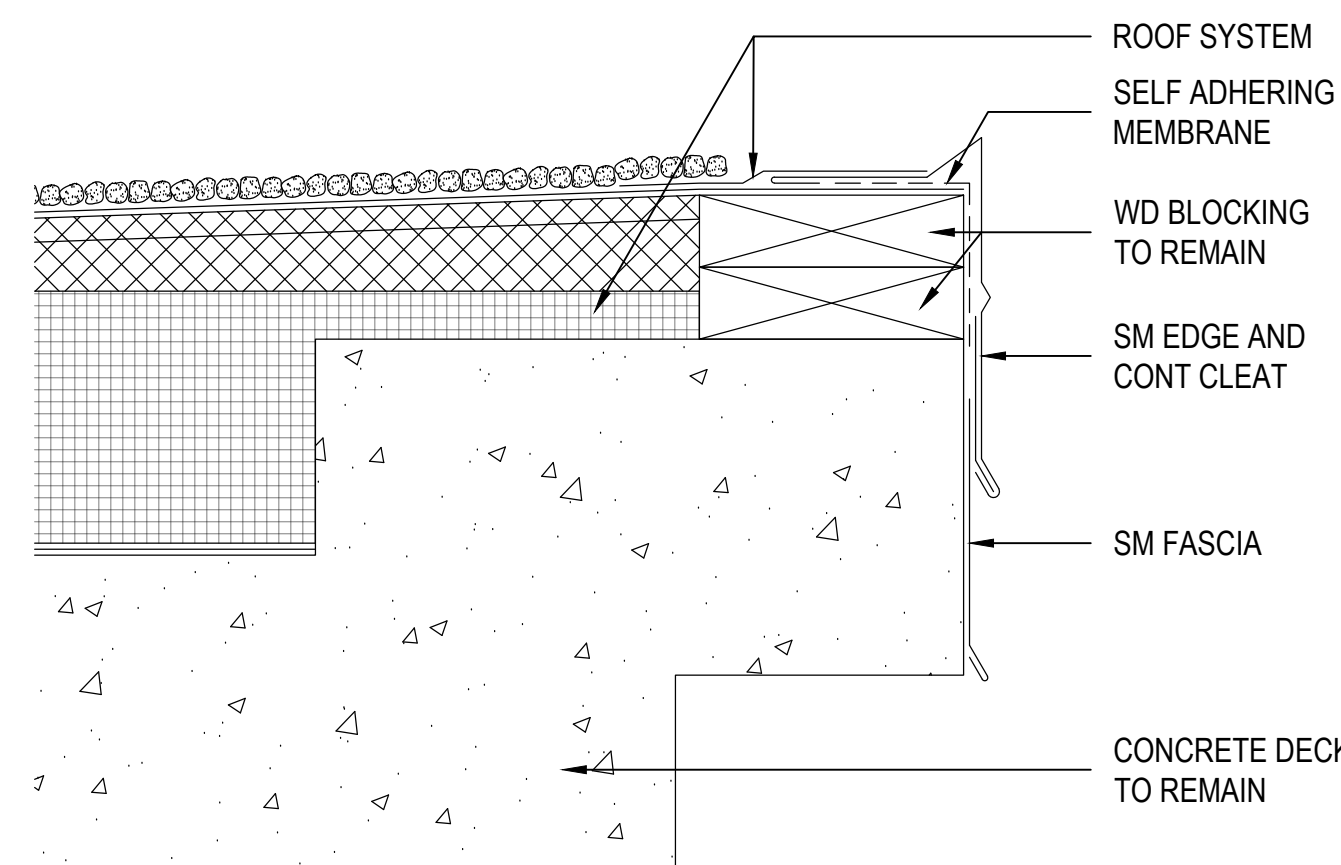


CONCEPTUAL TAPERED INSULATION PLAN
SCALE: 1/16" = 1'

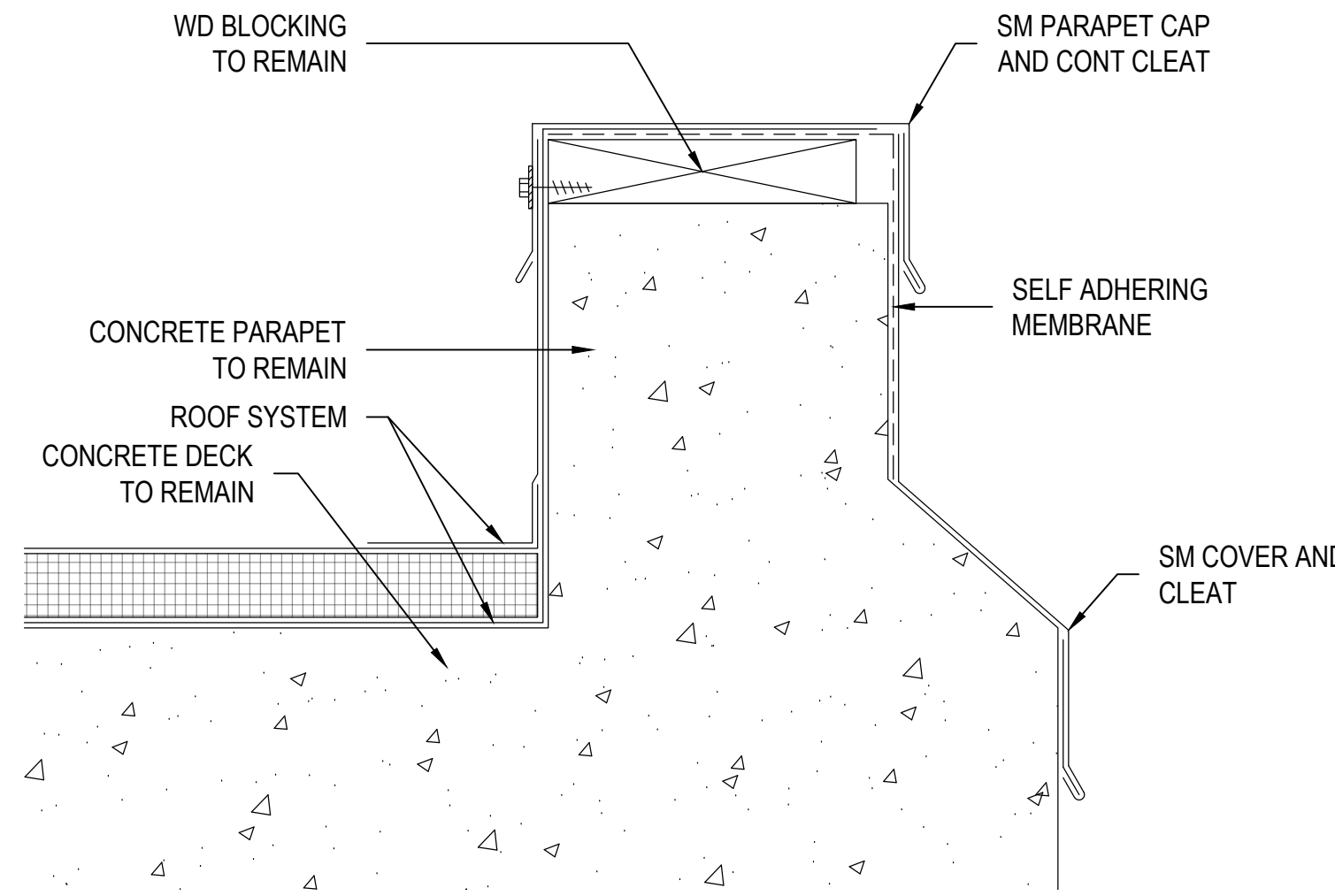


LEGEND	
	CRICKET
	STRUCTURAL SLOPE
	TAPERED INSULATION SLOPE
	INSULATION CRICKET SLOPE
	ROOF DRAIN WITH SUMP

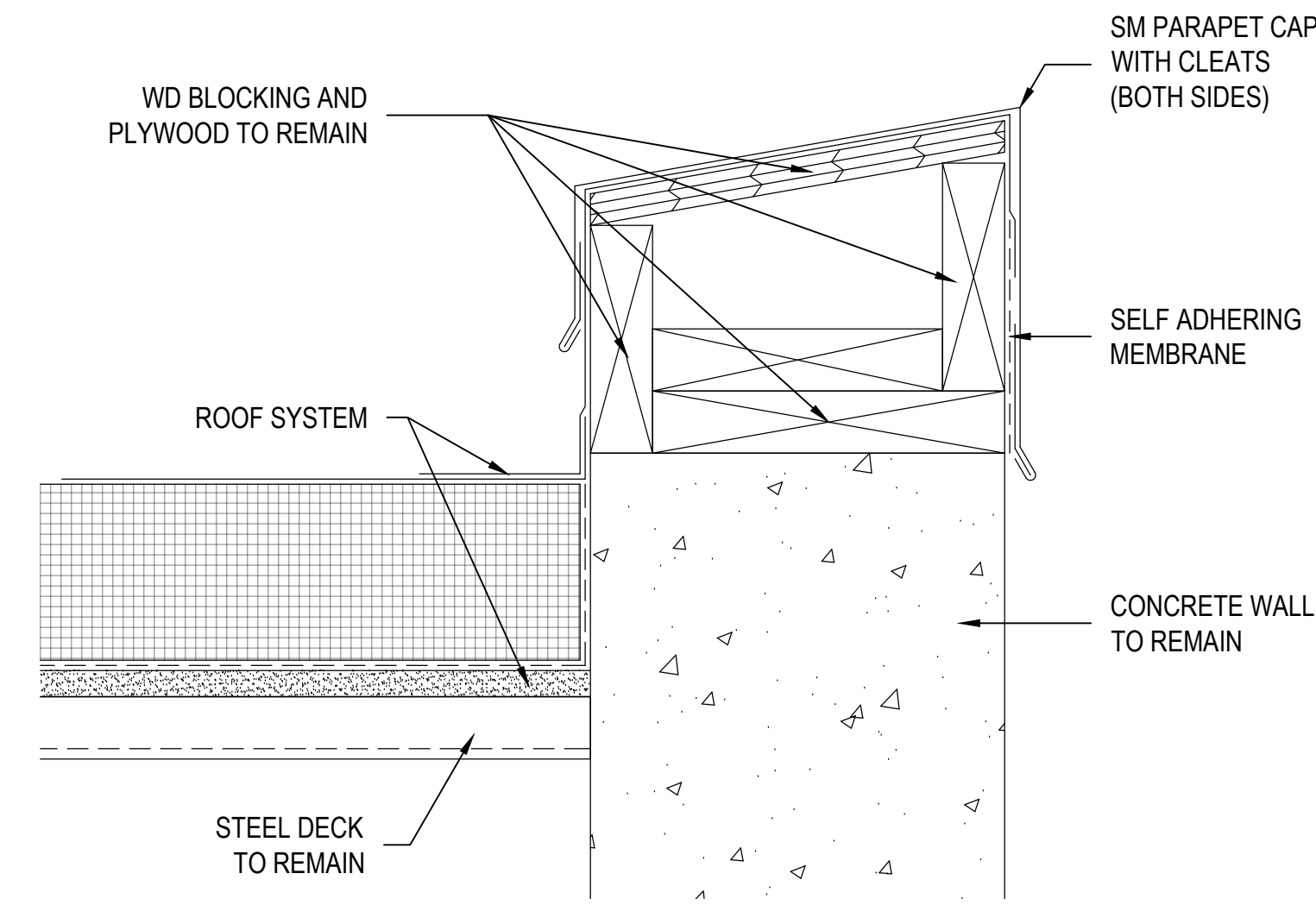
- NOTES**
- REFER TO THE A100 SHEETS FOR ROOF ELEVATIONS AND STRUCTURAL SLOPES.
 - PROVIDE CRICKETS ON UPSLOPE SIDE OF ALL ROOF TOP PENETRATIONS AND SADDLES BETWEEN ALL ROOF DRAINS AND SCUPPERS.
 - PROVIDE 8 FOOT WIDE MIN. CRICKETS AND SADDLES UNLESS OTHERWISE INDICATED.
 - PROVIDE 8 FT X 8 FT DRAIN SUMPS AT ALL INTERIOR ROOF DRAINS AND SCUPPERS.
 - THE TAPERED CRICKET LAYOUT IS CONCEPTUAL IN NATURE AND INTENDED TO PROVIDE A BASIC CONCEPT FOR BIDDING PURPOSES. THE ACTUAL LAYOUT MAY VARY FROM THAT SHOWN.
 - PROVIDE CRICKET OR INSULATION MATERIAL ALONG PERIMETER ROOF EDGE AS REQUIRED TO PROVIDE A SMOOTH TRANSITION AT ROOF EDGES.



1
A-501
EDGE - AREA A
SCALE: 3" = 1"

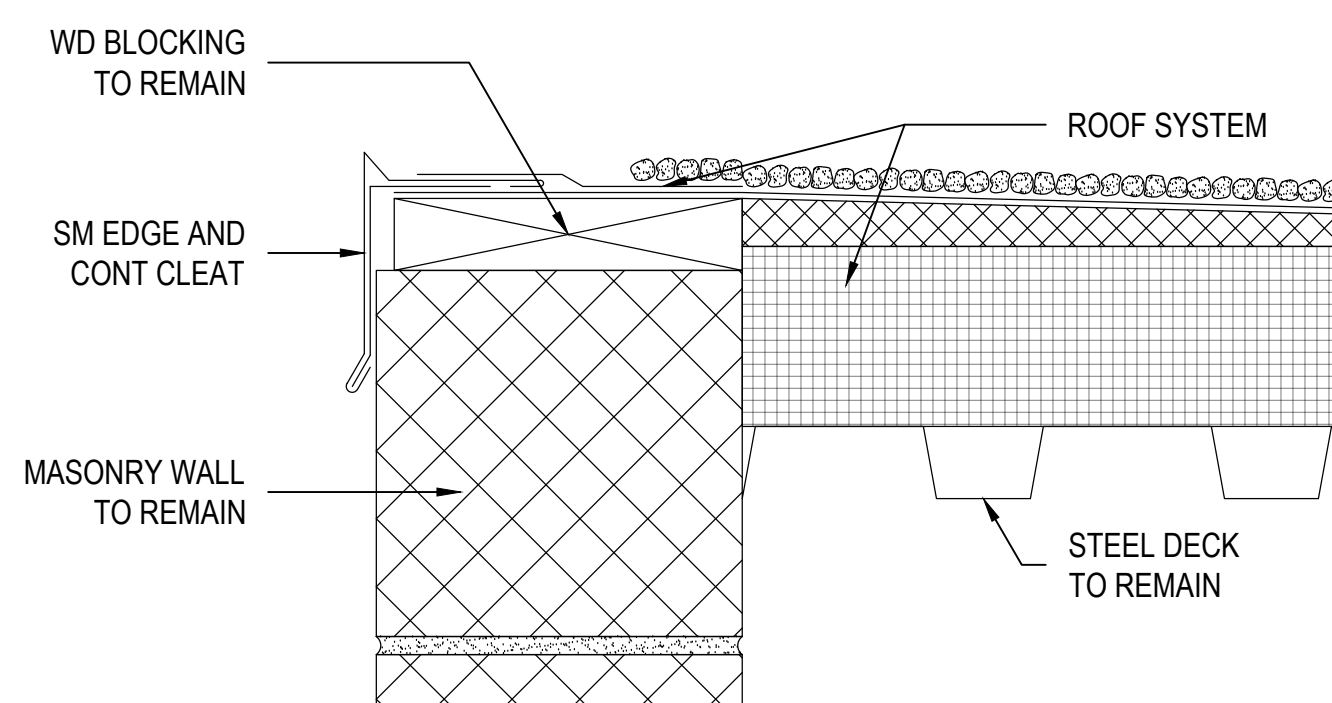
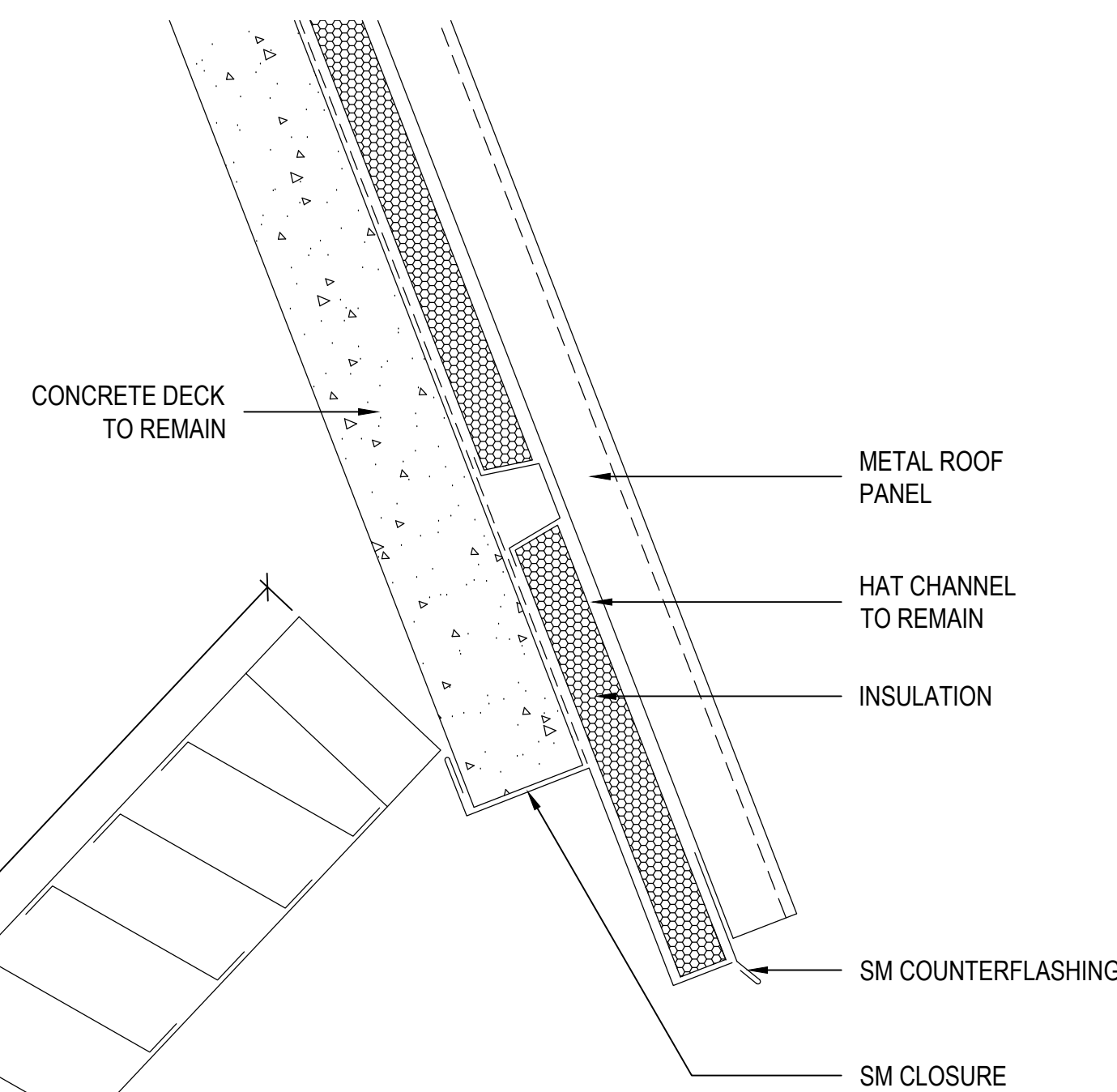


2
A-501
PARAPET - AREAS B, C, D, & E
SCALE: 3" = 1"

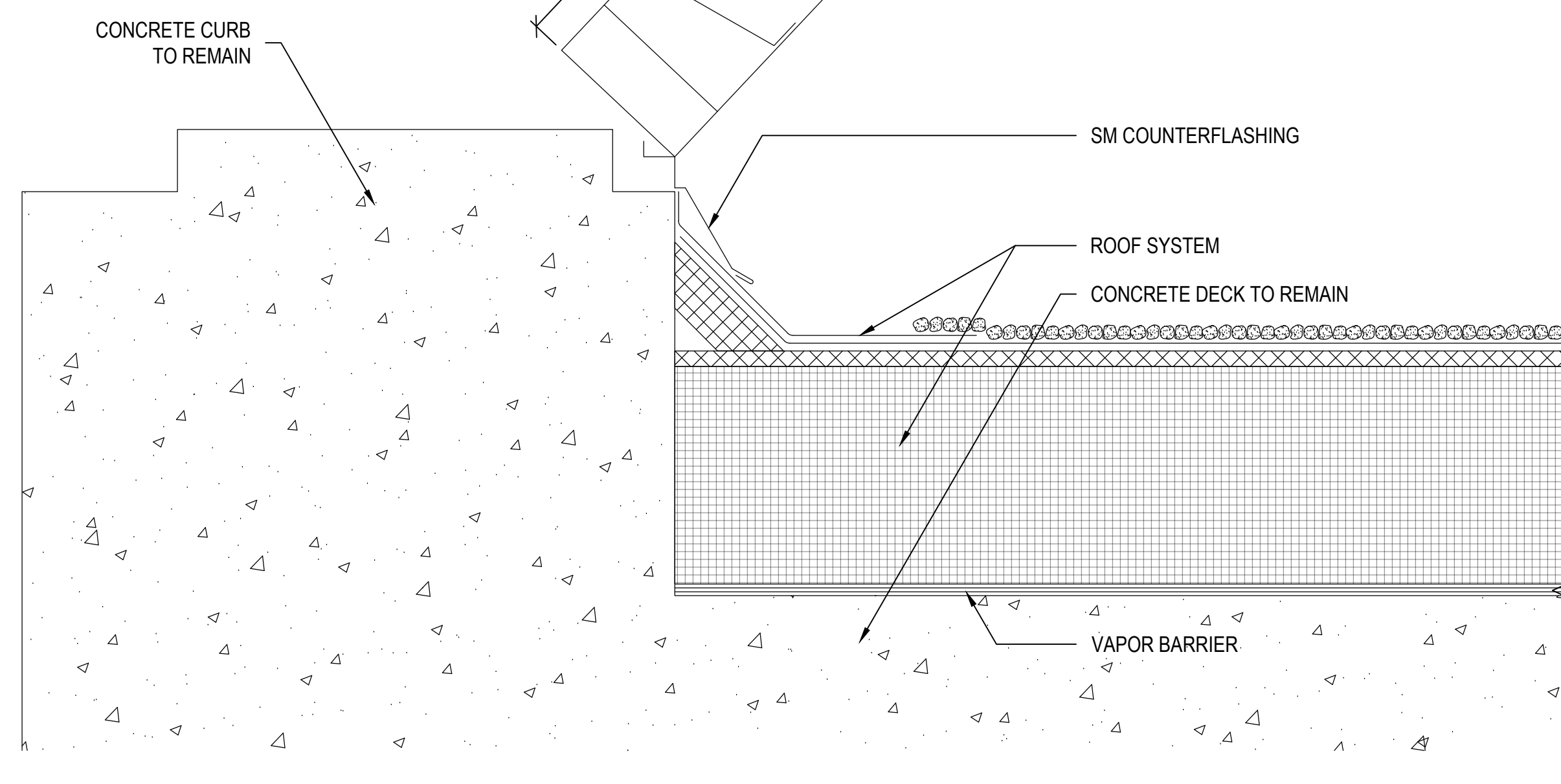


3
A-501
PARAPET - AREAS G, H, I & J
SCALE: 3" = 1"

- NOTES:
- EXISTING LOUVER TO BE REMOVED AND REPLACED WITH SHORTER ASSEMBLY BY OTHERS. COORDINATE WORK AS REQUIRED.
 - REFER TO A-301 FOR WORK RELATED TO METAL ROOF PANELS.



4
A-501
EDGE - AREA L
SCALE: 3" = 1"



5
A-501
LOUVER
SCALE: 3" = 1"

REMOVE ALL ITEMS UNLESS DESIGNATED TO REMAIN

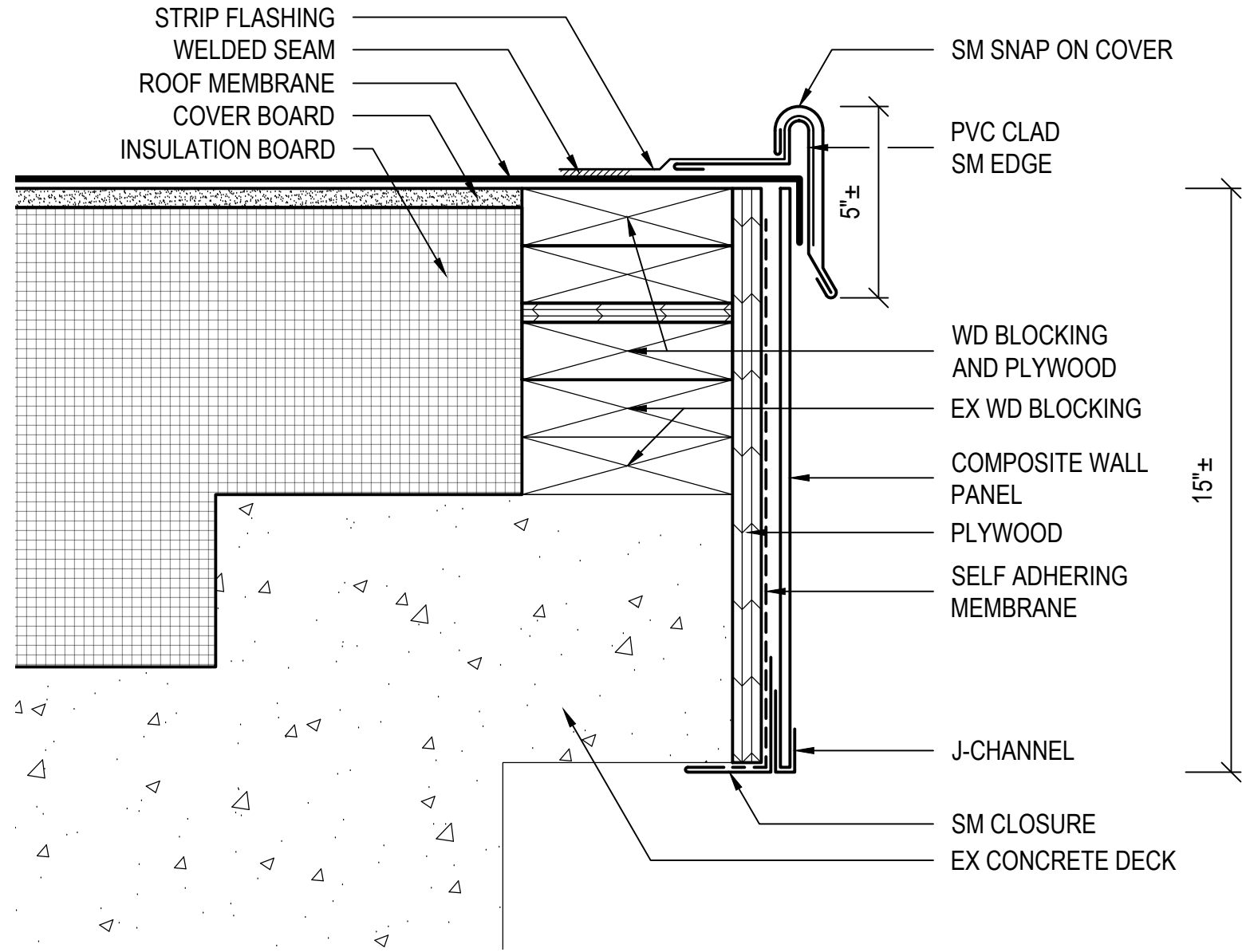
PROJECT	ROOF REPLACEMENT	
	HOWARD COMMUNITY COLLEGE - CLARK LIBRARY	
OWNER	6020 SCHOLARSHIP DR	
	COLUMBIA, MARYLAND 21044	
OWNER	HOWARD COMMUNITY COLLEGE	
	1007 LITTLE PATUXENT PARKWAY	
	COLUMBIA, MARYLAND 21044	

1	2/10/2025	CD SUBMISSION	MLF
NO.	DATE	DESCRIPTION	BY
PROJECT NO.		656503	
CADD FILE		656503 CL A5x	
DESIGNED BY		BAB	
DRAWN BY		MLF	
CHECKED BY		SLB	
DATE		2/10/2025	
DRAWING SCALE		3" = 1"	

GRAPHIC SCALE	
0 3' 6' 9'	
IN ADDITION TO THIS SET, USE OTHER DRAWING SCALES	
SHEET TITLE	

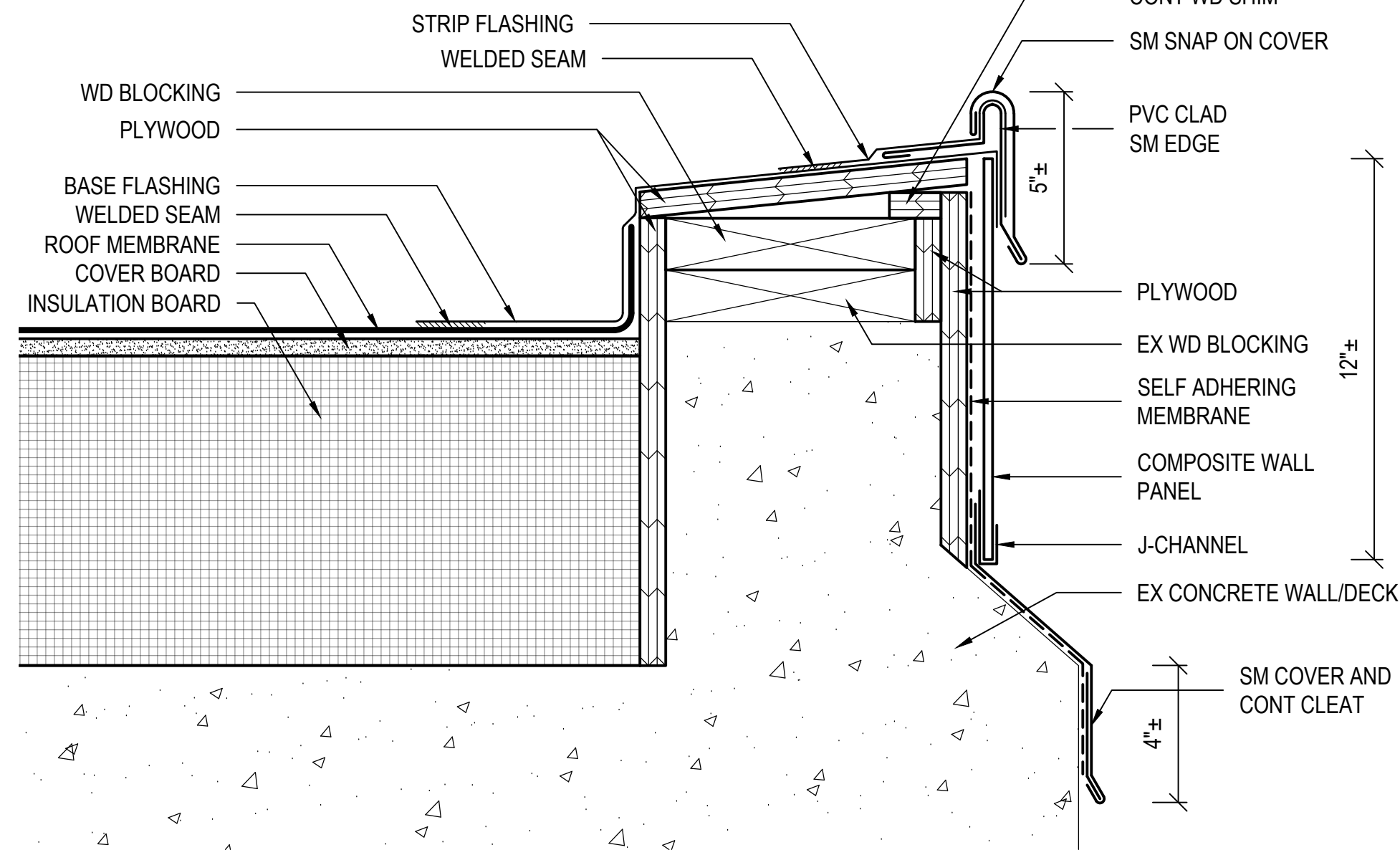
DETAILS EXISTING CONDITIONS	
DRAWING NO.	
A-501	

NOTE:
MAINTAIN CONTINUOUS SEPARATION BETWEEN SELF-ADHERING
MEMBRANE AND PVC MEMBRANE.



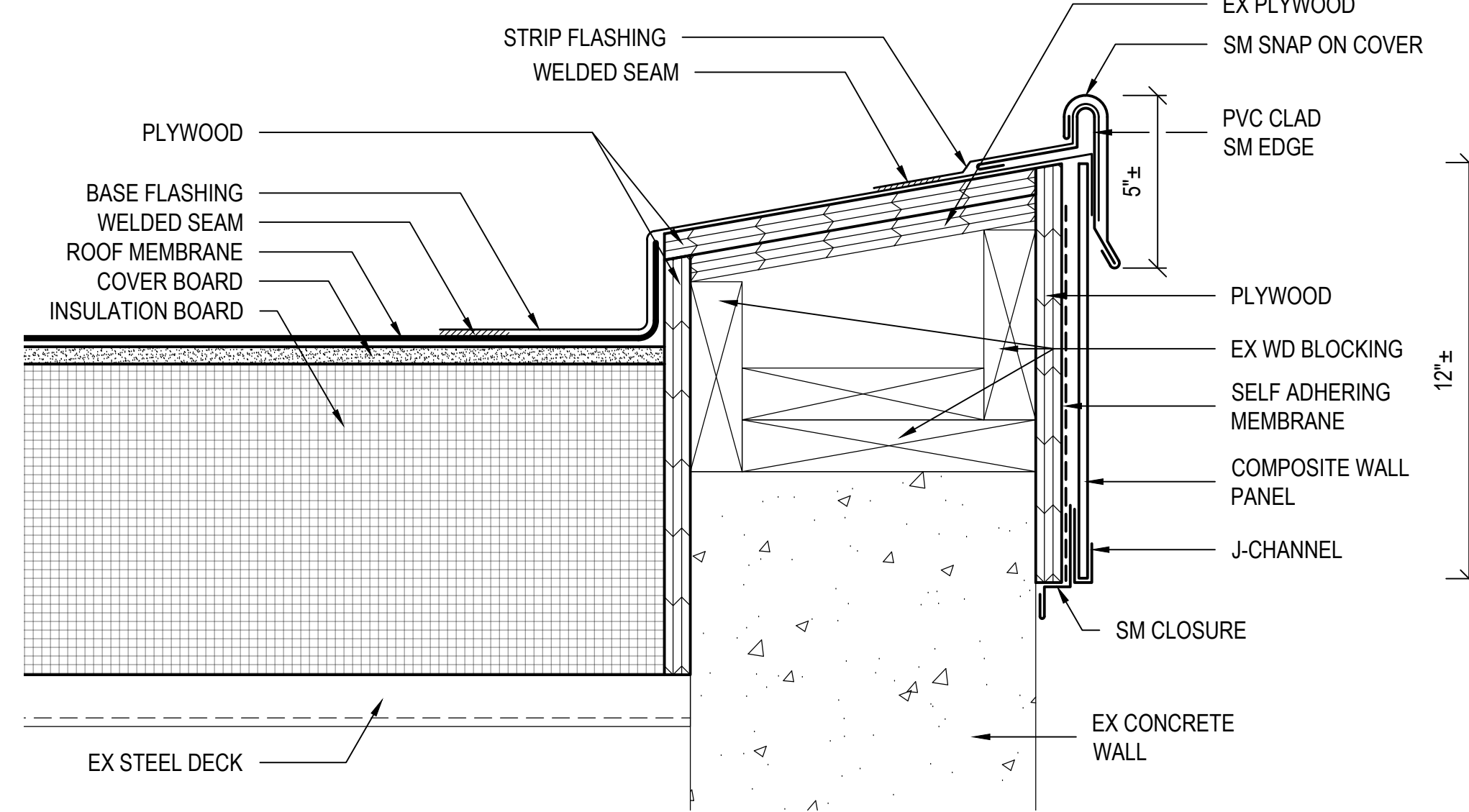
1
A-502
EDGE - AREA A
SCALE: 3" = 1"

NOTE:
MAINTAIN CONTINUOUS SEPARATION BETWEEN SELF-ADHERING
MEMBRANE AND PVC MEMBRANE.



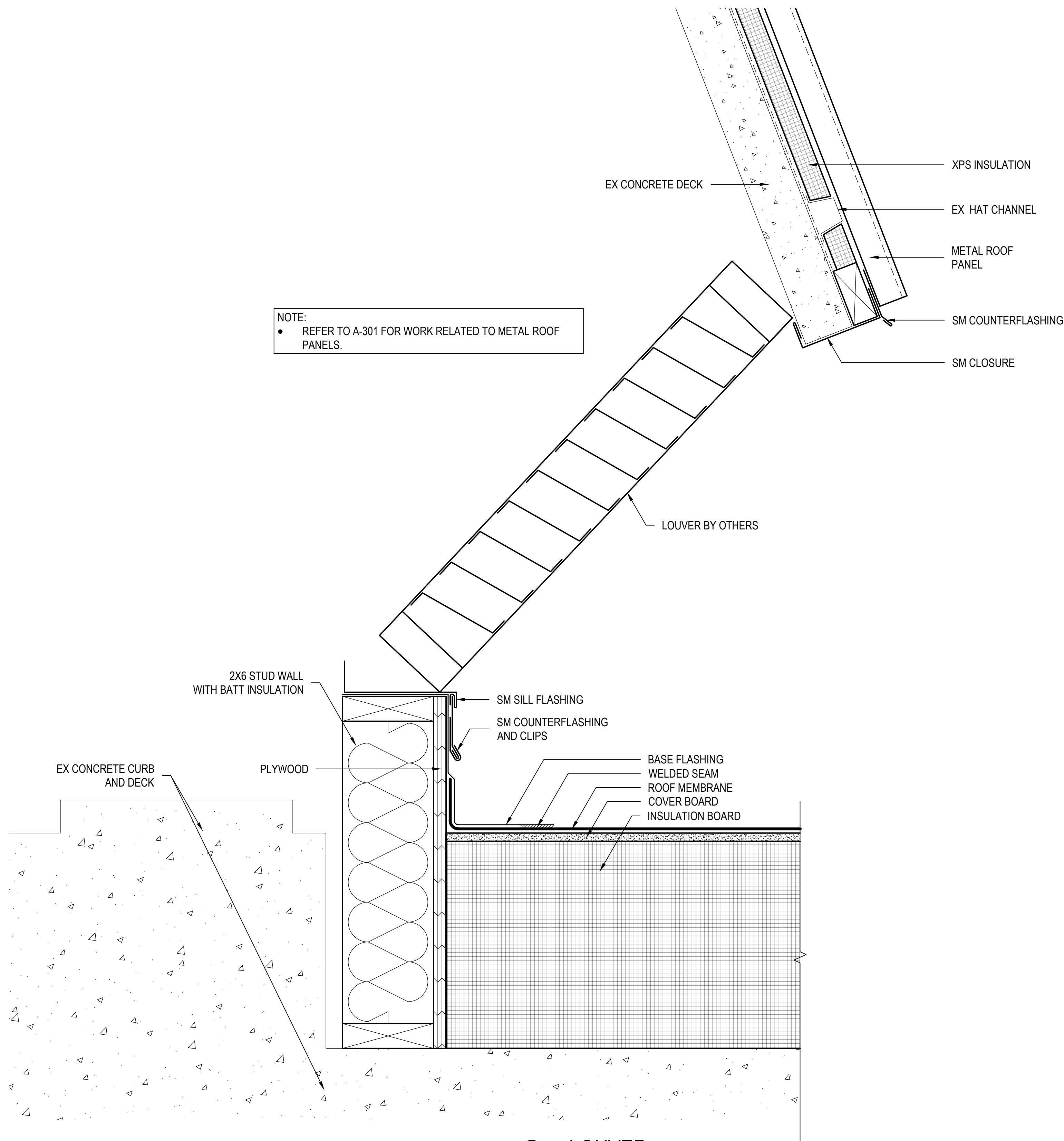
2
A-502
PARAPET - AREAS B, C, D, & E
SCALE: 3" = 1"

NOTE:
MAINTAIN CONTINUOUS SEPARATION BETWEEN SELF-ADHERING
MEMBRANE AND PVC MEMBRANE.



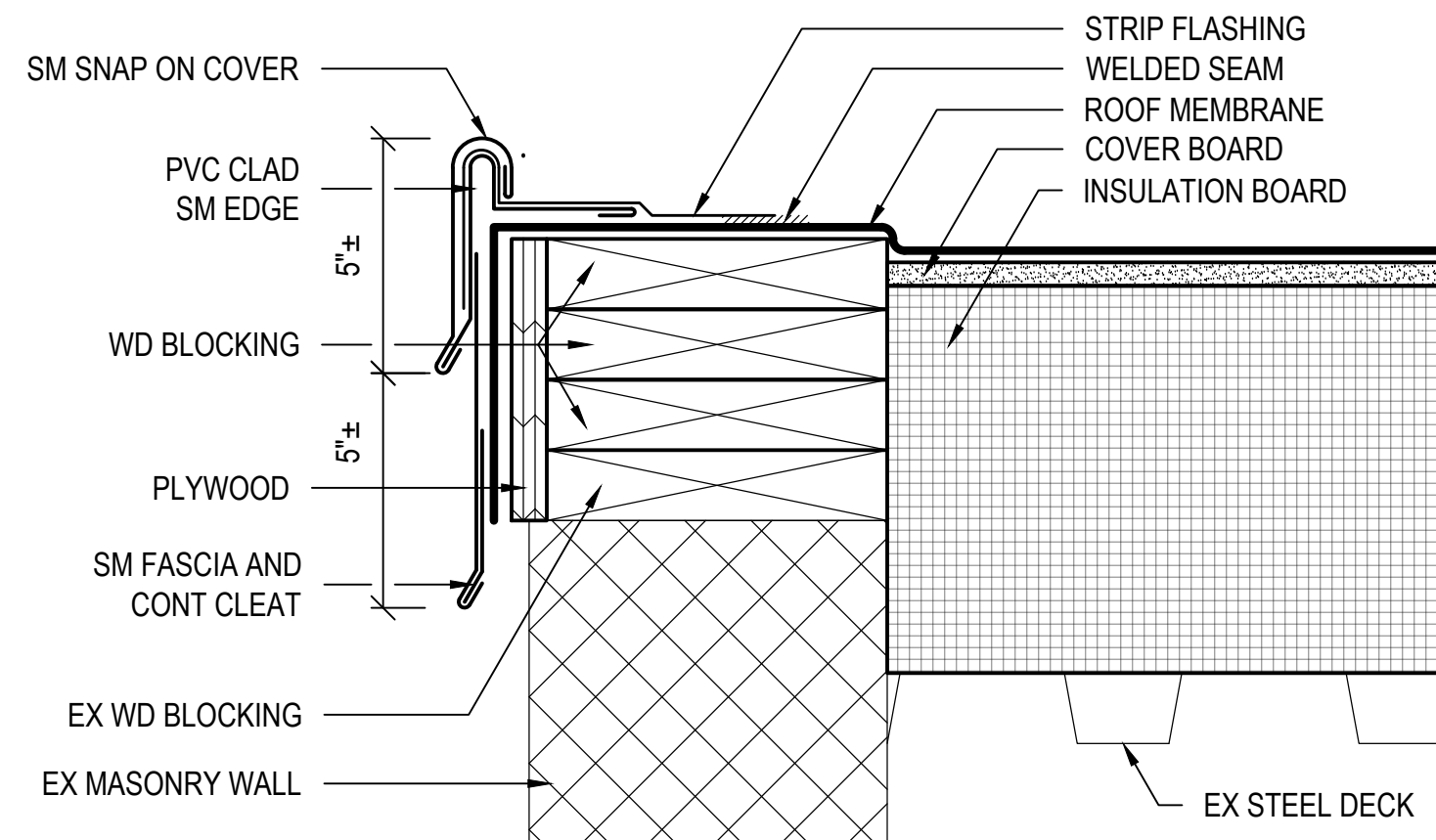
3
A-502
PARAPET - AREAS G, H, I & J
SCALE: 3" = 1"

NOTE:
• REFER TO A-301 FOR WORK RELATED TO METAL ROOF
PANELS.

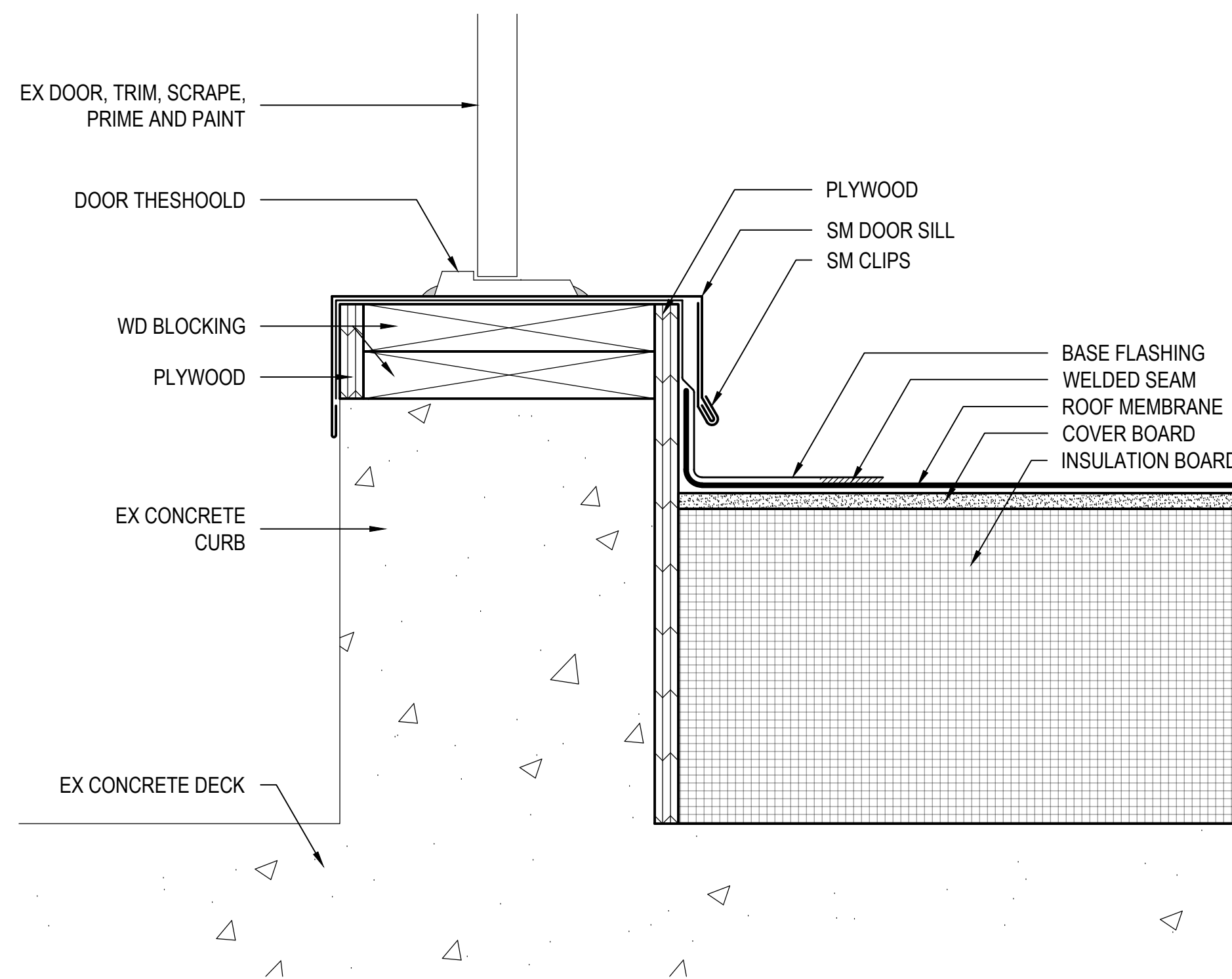


5
A-502
LOUVER
SCALE: 3" = 1"

ALL ITEMS ARE NEW UNLESS DESIGNATED AS EXISTING (EX)



4
A-502
EDGE - AREA M
SCALE: 3" = 1"



6
A-502
DOOR THRESHOLD
SCALE: 3" = 1"

PROJECT
ROOF REPLACEMENT - CLARK LIBRARY
HOWARD COMMUNITY COLLEGE - CLARK LIBRARY
6020 SCHOLARSHIP DR
COLUMBIA, MARYLAND 21044
OWNER
HOWARD COMMUNITY COLLEGE
1007 LITTLE PATUXENT PARKWAY
COLUMBIA, MARYLAND 21044

NO.	DATE	DESCRIPTION	BY
1	2/10/2025	CD SUBMISSION	MLF
PROJECT NO.	656503		
CADD FILE	656503 CL A5x		
DESIGNED BY	BAB		
DRAWN BY	MLF		
CHECKED BY	SLB		
DATE	2/10/2025		
DRAWING SCALE	3" = 1"		

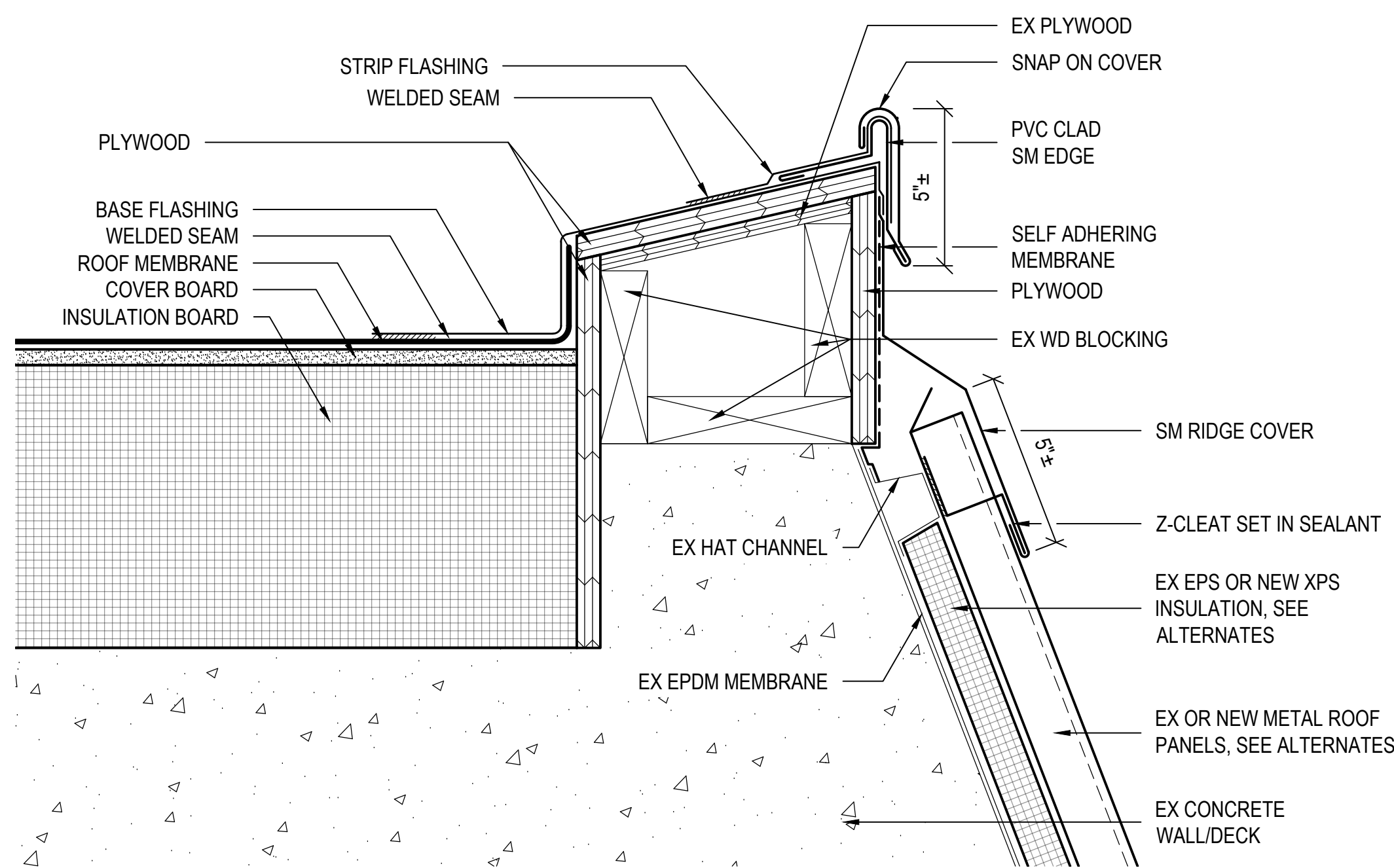
GRAPHIC SCALE
0 3' 6' 9'
1" = 3'-0"

SHEET TITLE

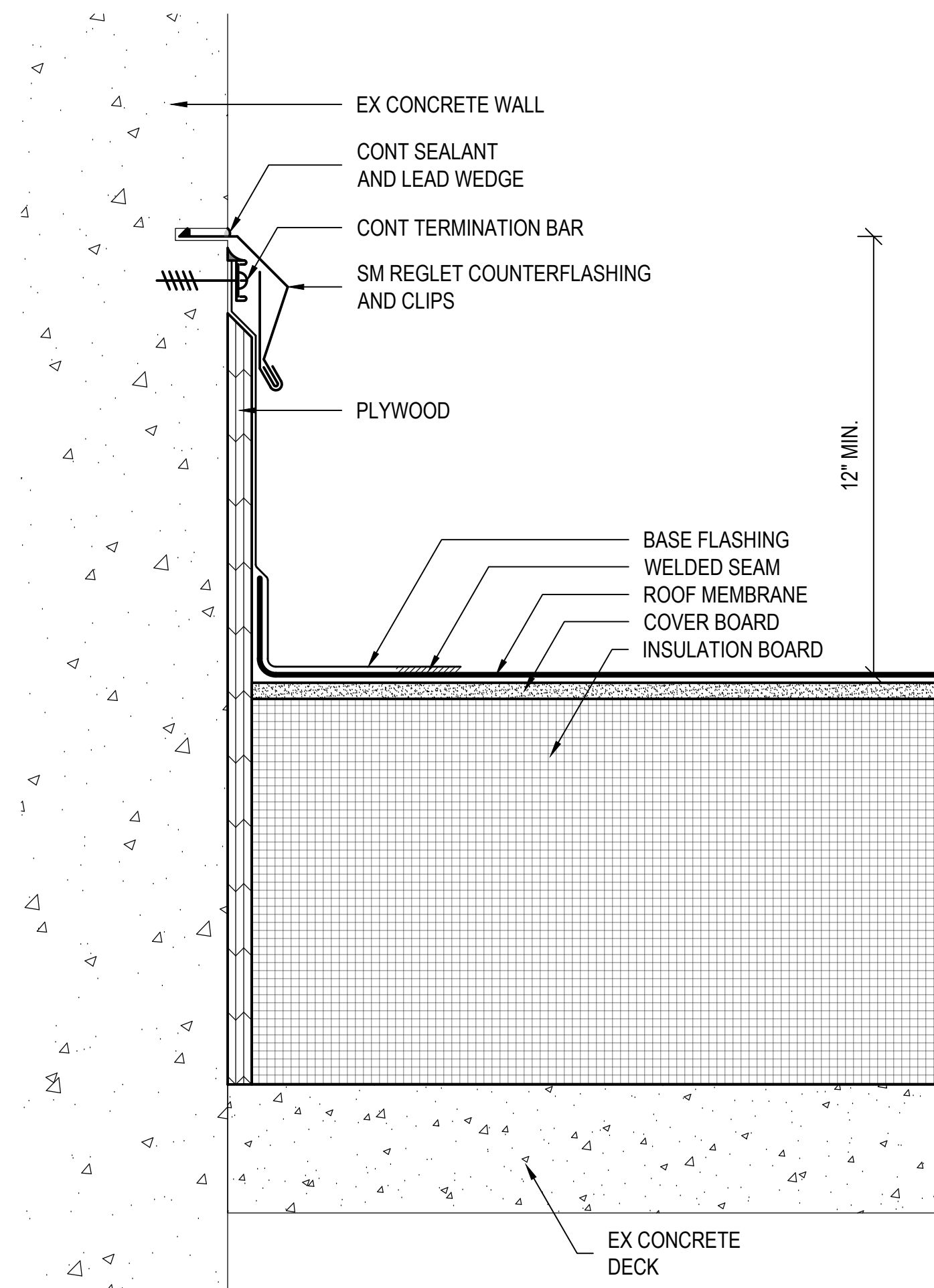
DETAILS
NEW
CONSTRUCTION

DRAWING NO.
A-502

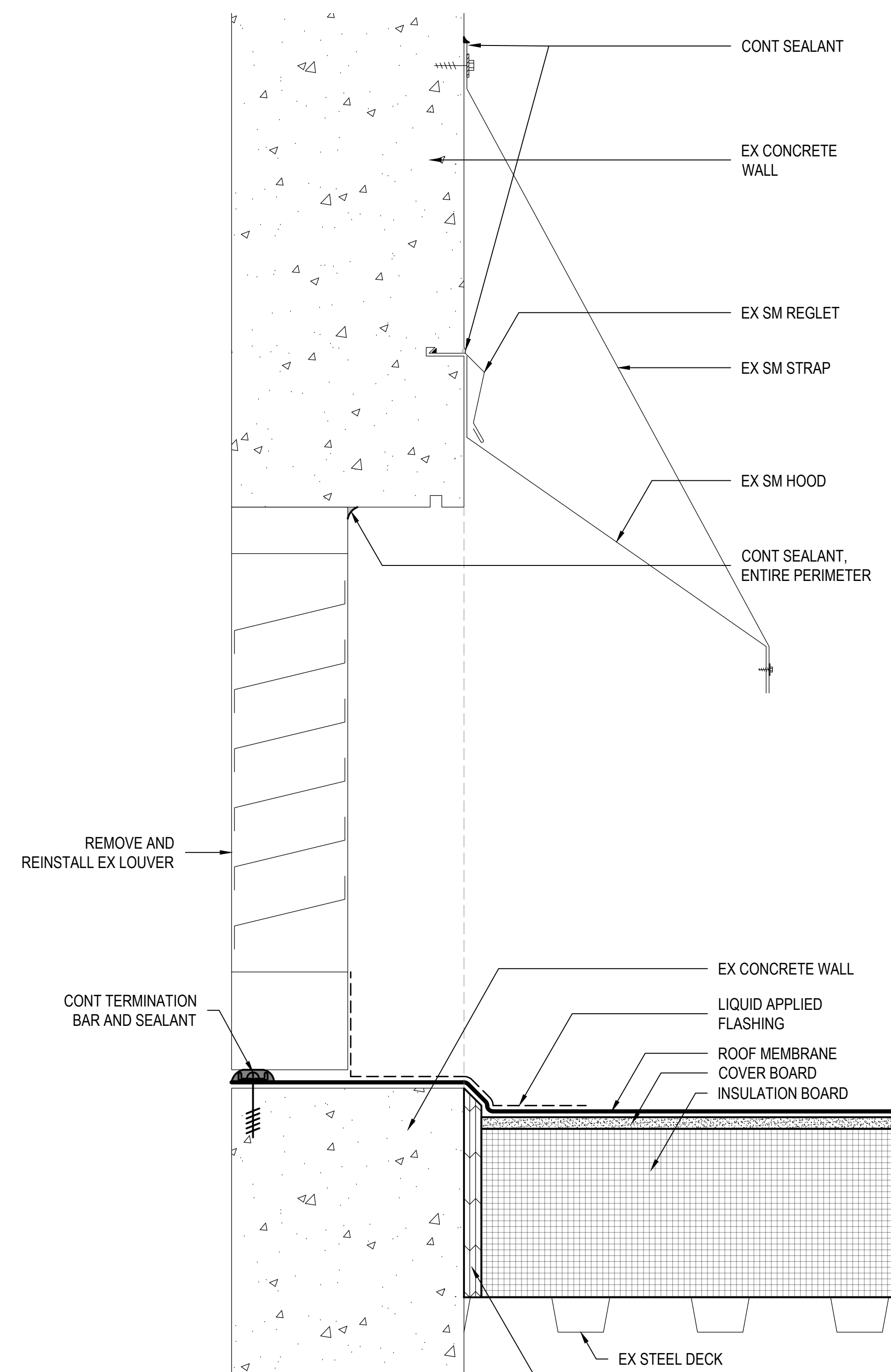
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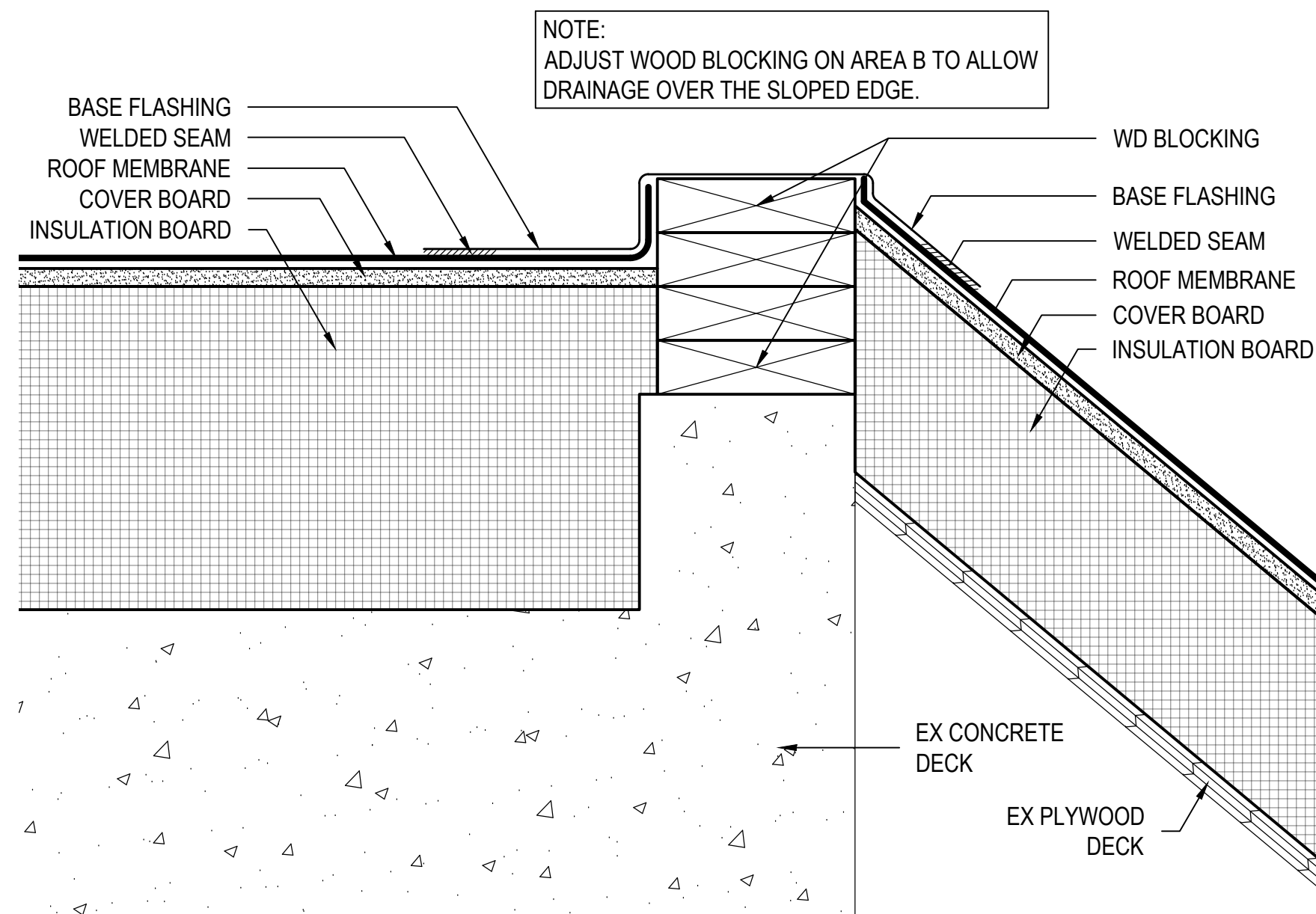
1
A-503
PARAPET TRANSITION TO METAL ROOFS
SCALE: 3" = 1"



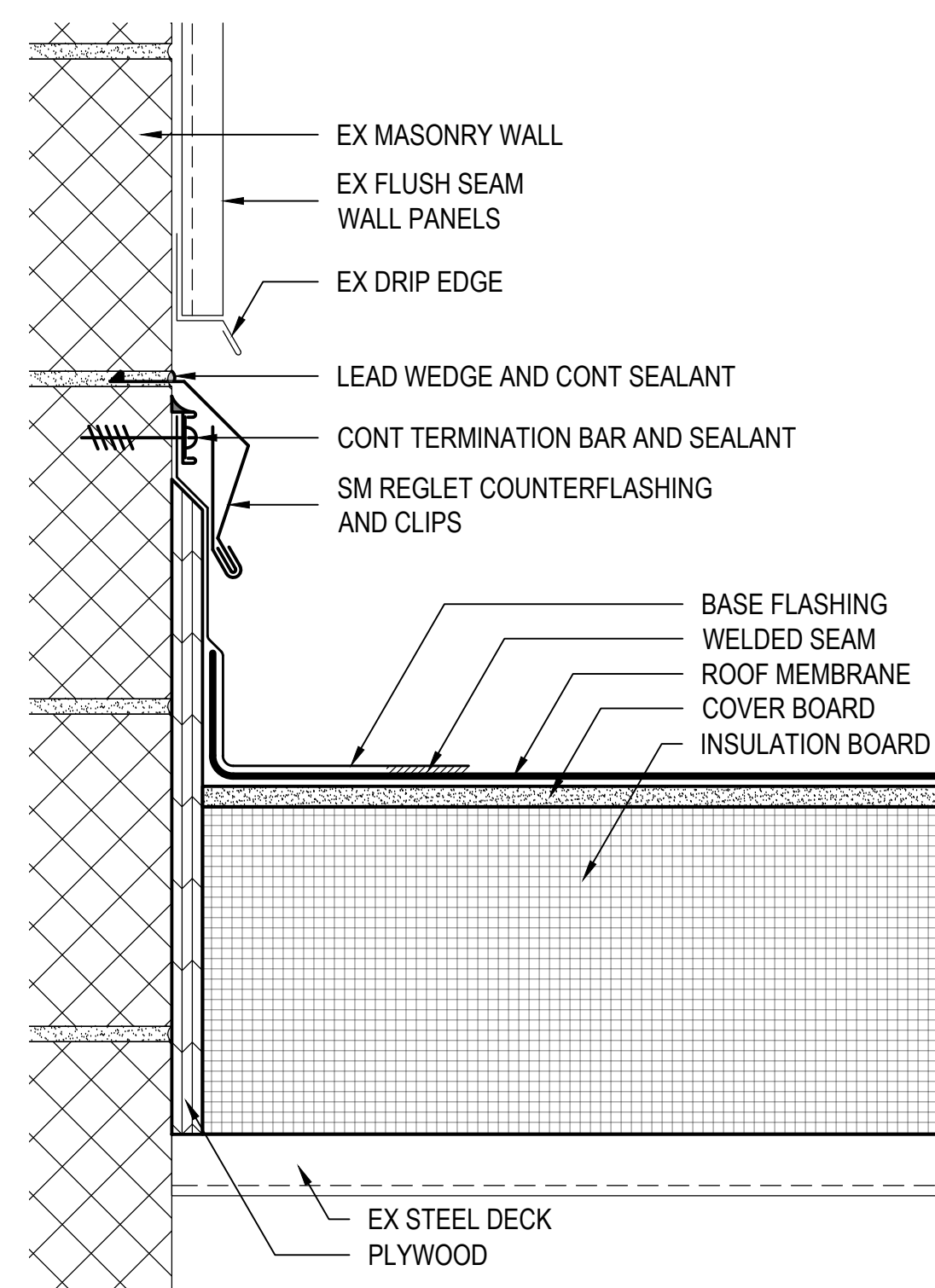
2
A-503
REGLET COUNTERFLASHING
SCALE: 3" = 1"



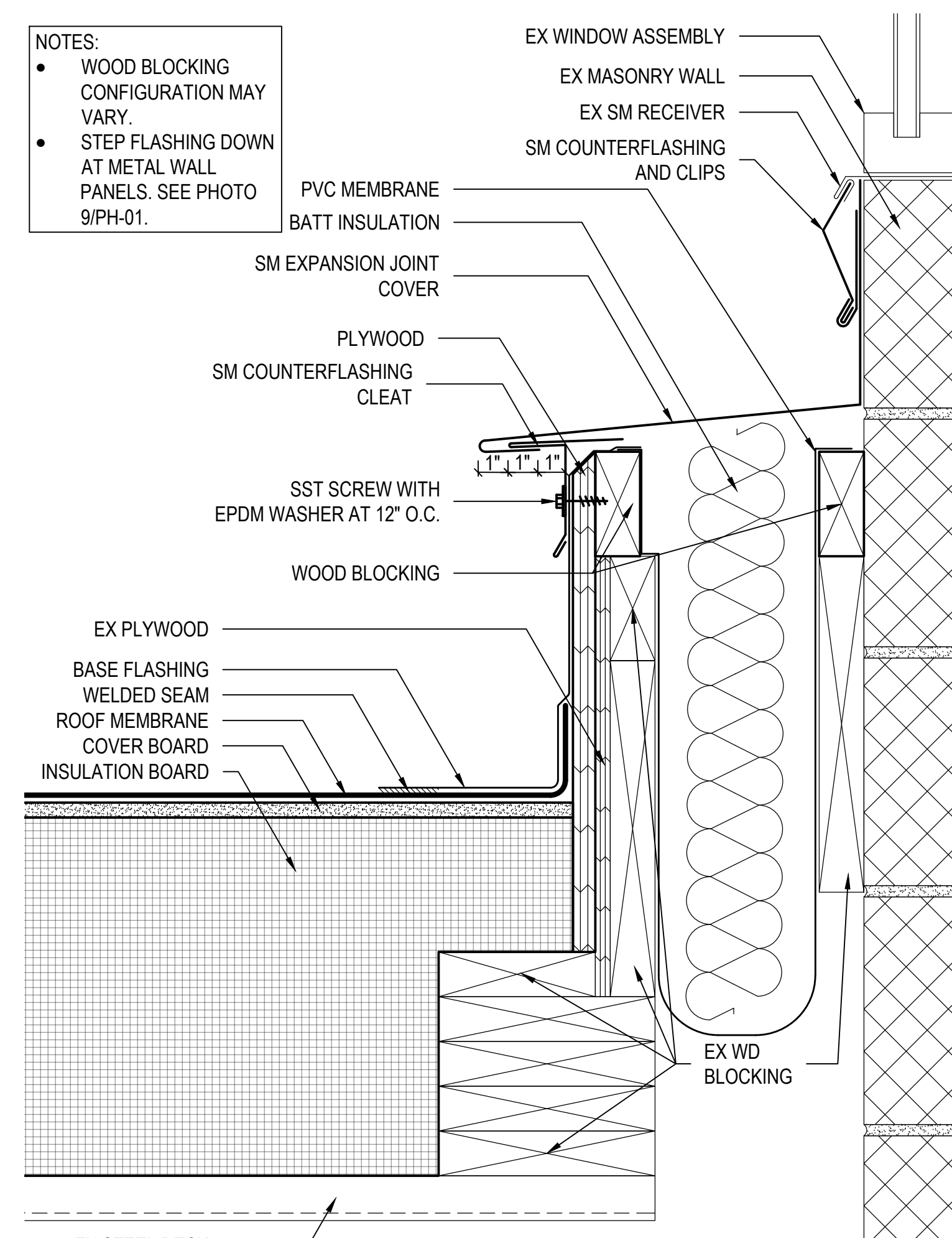
3
A-503
LOUVER FLASHING - AREA F
SCALE: 3" = 1"



4
A-503
ROOF TRANSITION - AREA E
SCALE: 3" = 1"



5
A-503
ROOF TO WALL - AREA L
SCALE: 3" = 1"



6
A-503
ROOF TO WALL EXPANSION JOINT
SCALE: 3" = 1"

- NOTES:
- WOOD BLOCKING CONFIGURATION MAY VARY.
 - STEP FLASHING DOWN AT METAL WALL PANELS. SEE PHOTO 9/PH-01.

PROJECT	ROOF REPLACEMENT HOWARD COMMUNITY COLLEGE - CLARK LIBRARY 6020 SCHOLARSHIP DR COLUMBIA, MARYLAND 21044		
	OWNER HOWARD COMMUNITY COLLEGE 1007 LITTLE PATUXENT PARKWAY COLUMBIA, MARYLAND 21044		

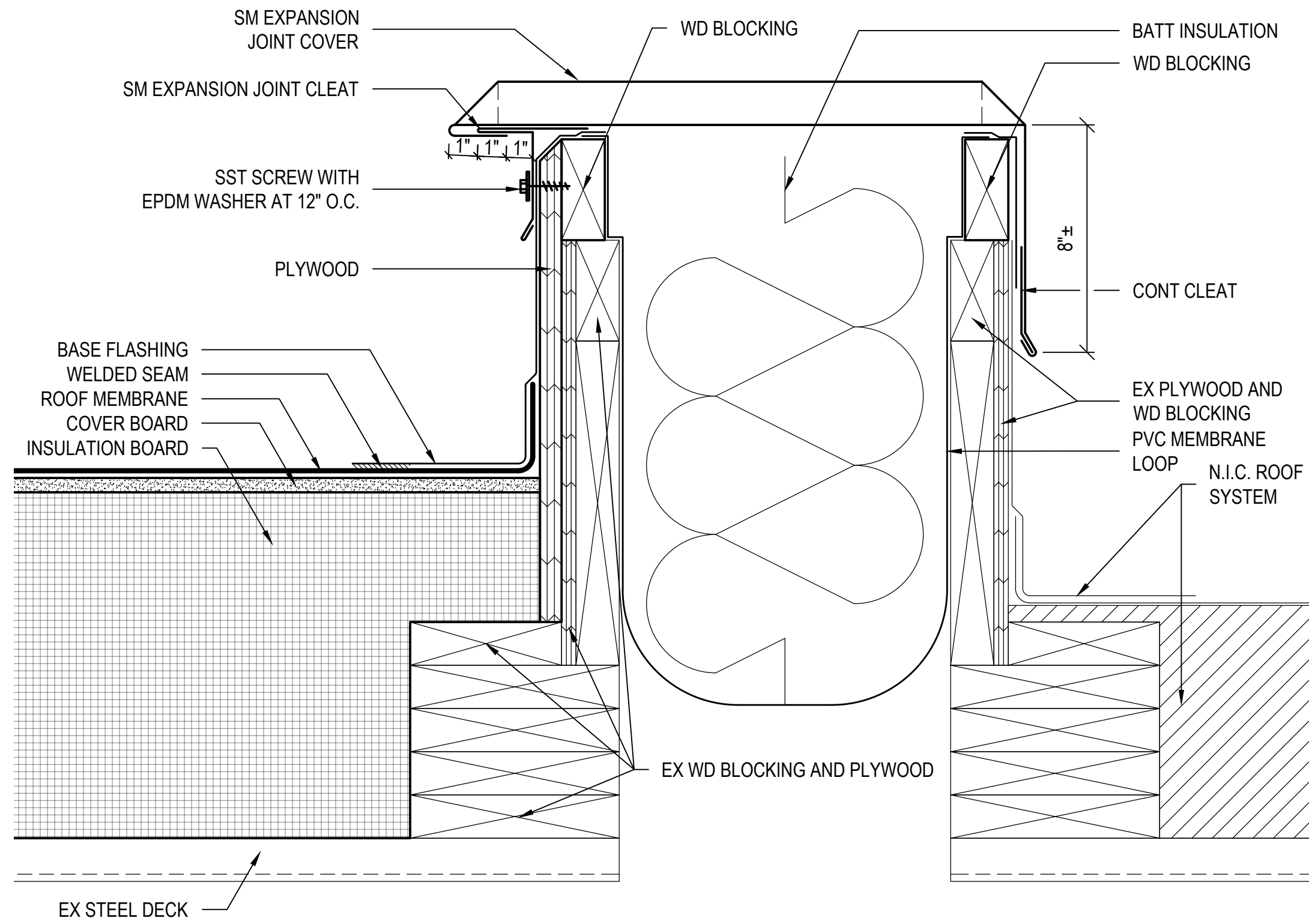
NO.	DATE	DESCRIPTION	BY
1	2/10/2025	CD SUBMISSION	MLF
PROJECT NO.		656503	
CADD FILE		656503 CL A5x	
DESIGNED BY		BAB	
DRAWN BY		MLF	
CHECKED BY		SLB	
DATE		2/10/2025	
DRAWING SCALE		3" = 1"	

GRAPHIC SCALE	
0 3' 6' 9'	
1" REPRESENTS 3'-0" UNLESS OTHERWISE NOTED	

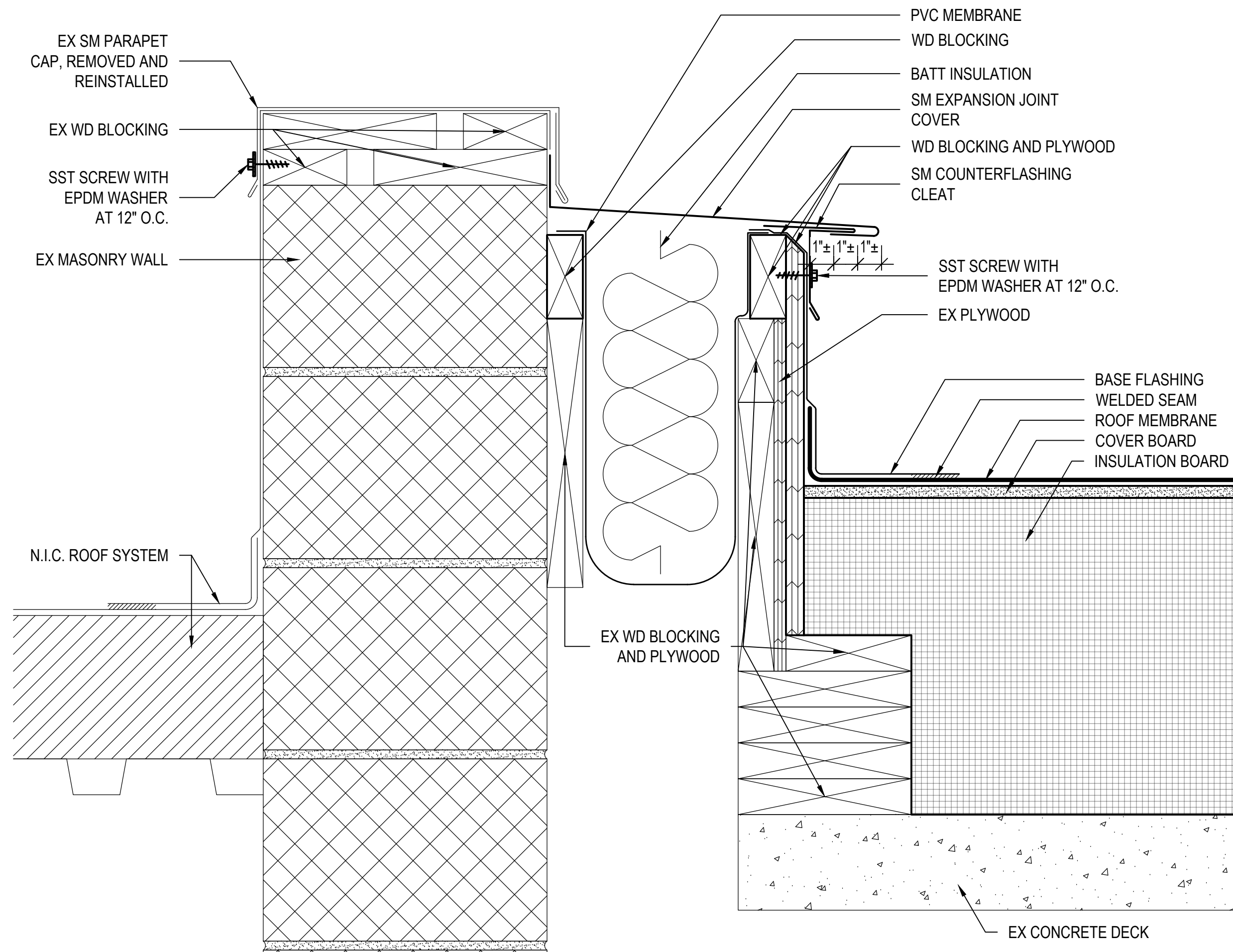
SHEET TITLE	
DETAILS NEW CONSTRUCTION	

DRAWING NO.	
A-503	

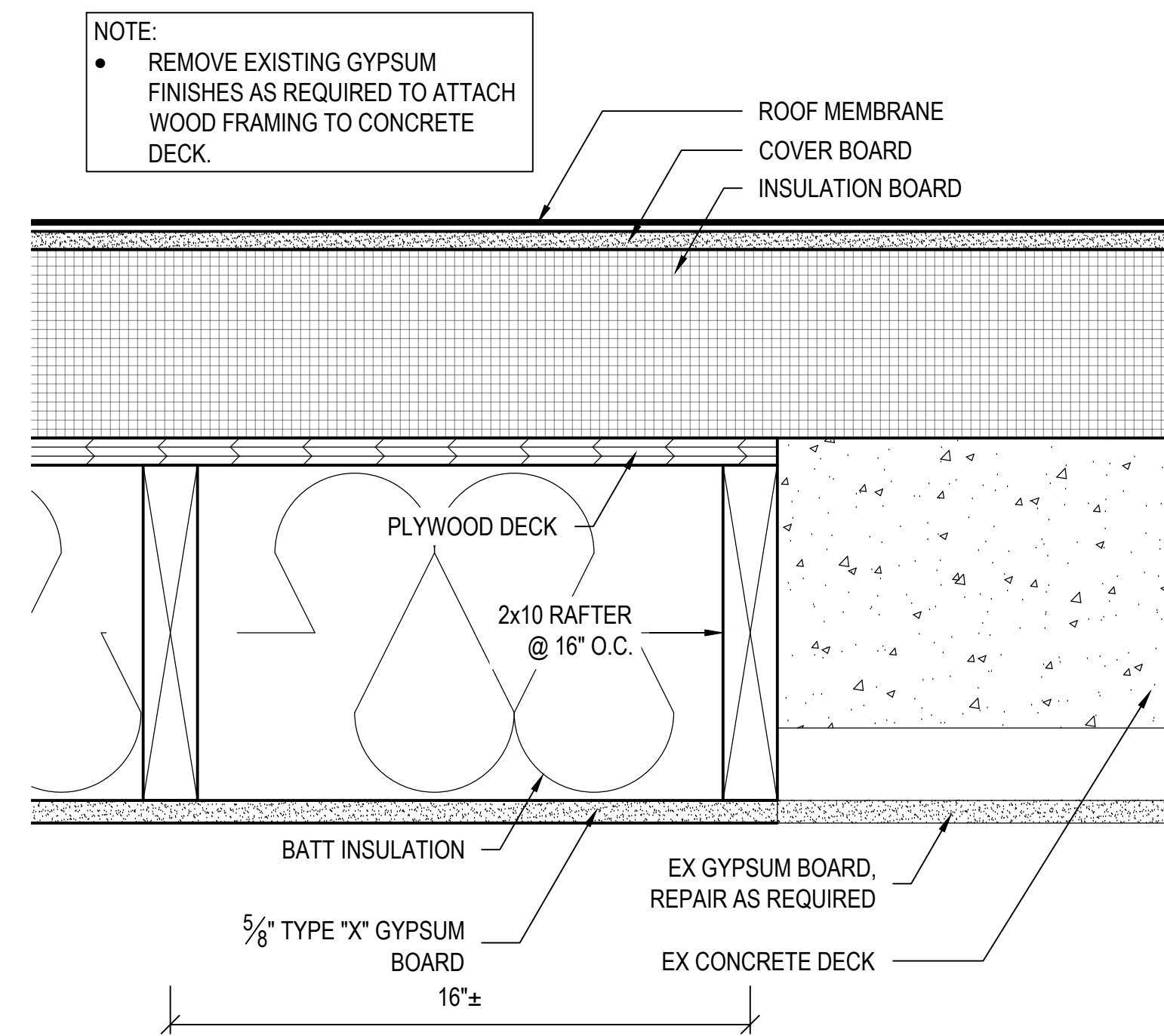
ALL ITEMS ARE NEW UNLESS DESIGNATED AS EXISTING (EX)



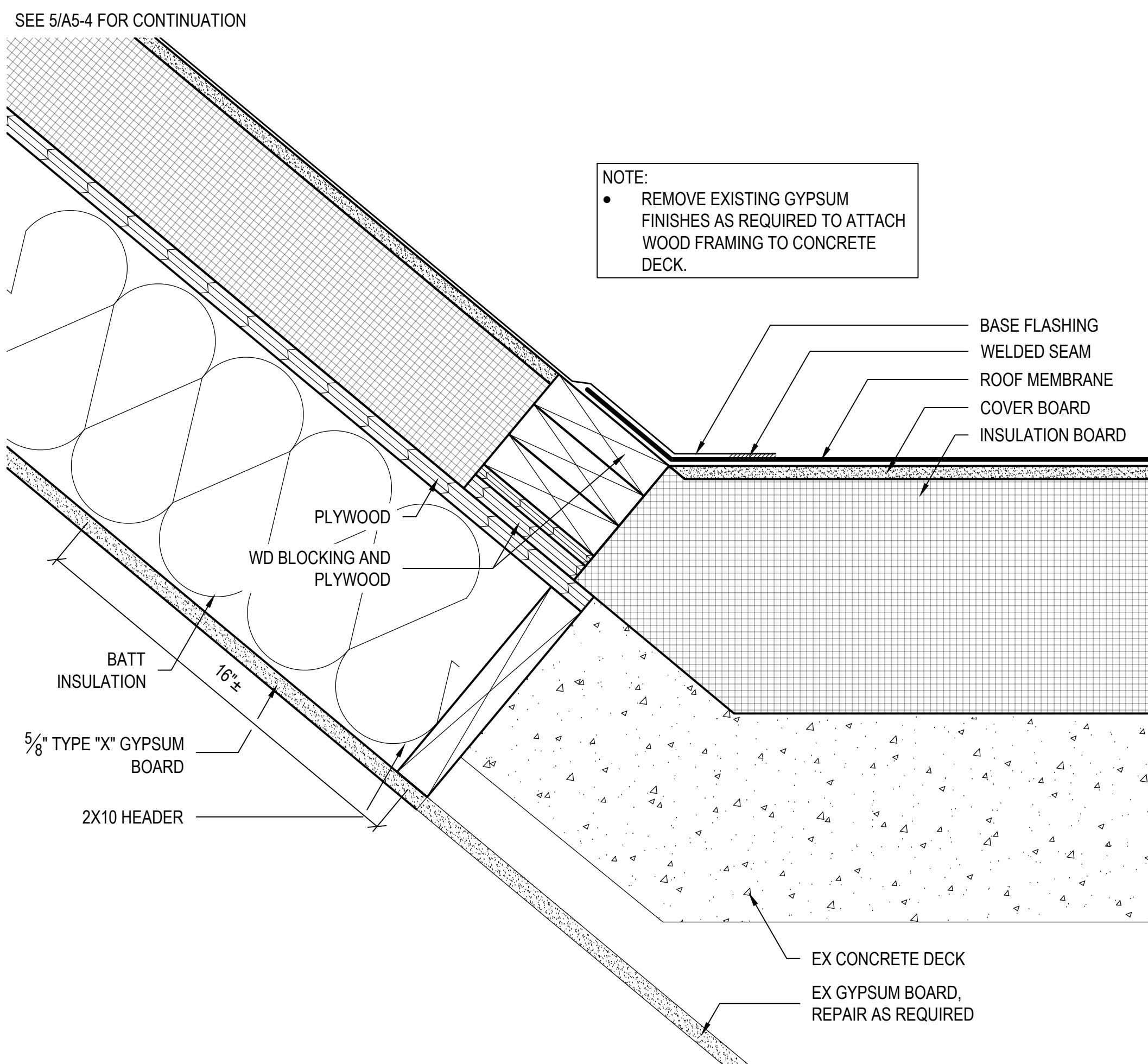
1 ROOF TO ROOF EXPANSION JOINT
A-504 SCALE: 3" = 1'



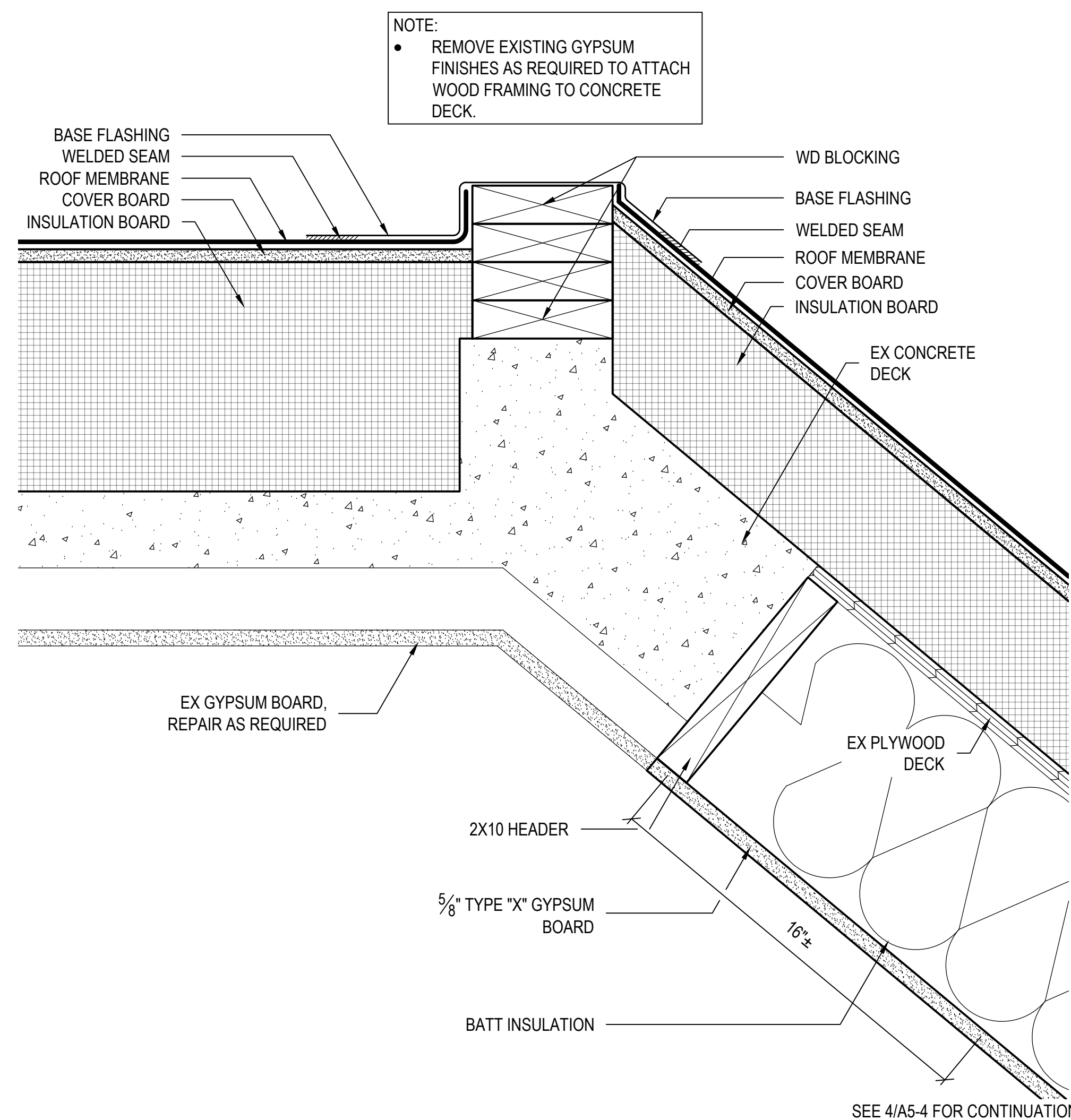
2 PARAPET AT EXPANSION JOINT
A-504 SCALE: 3" = 1'



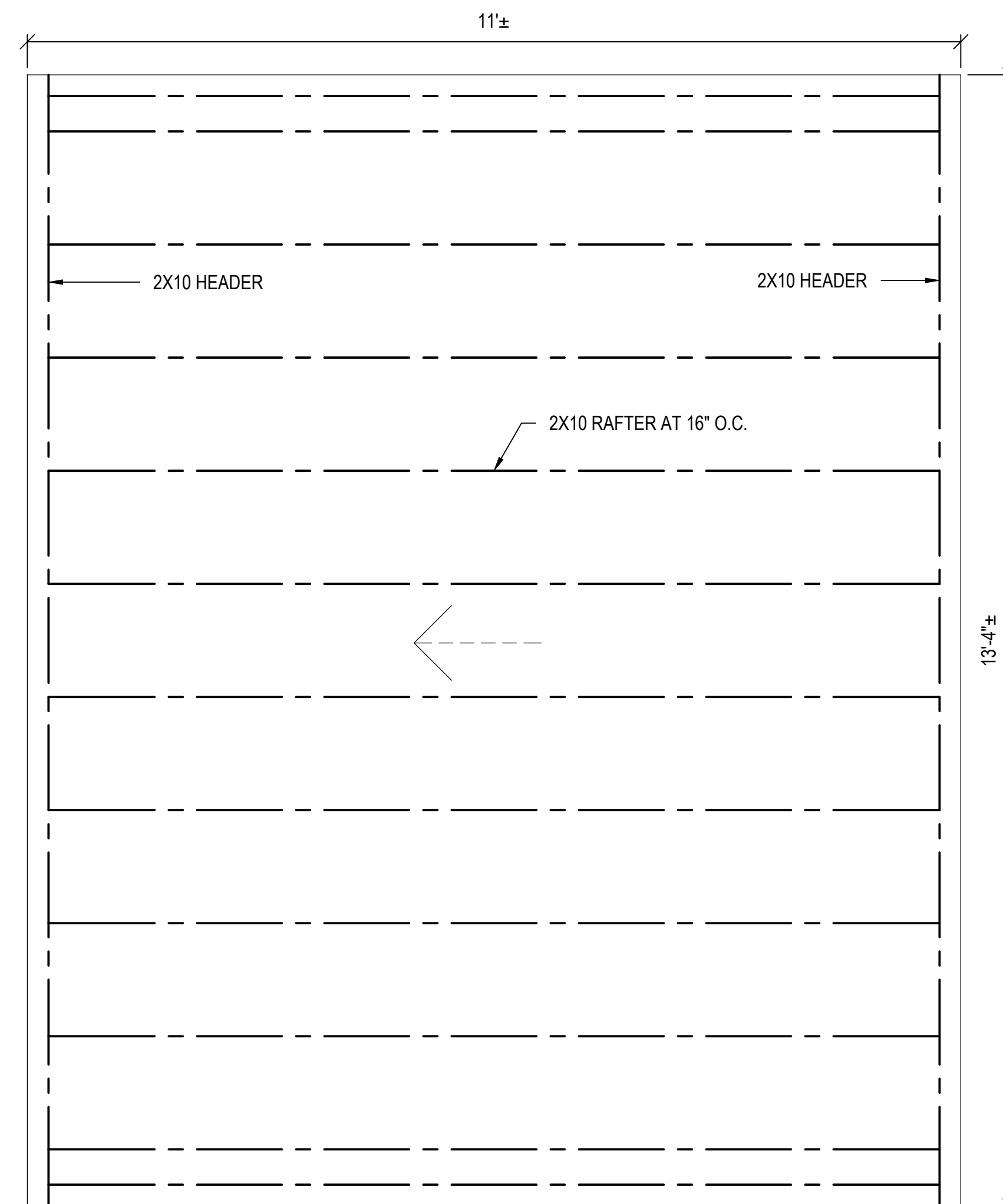
3 SKYLIGHT INFILL - RAKE EDGE
A-504 SCALE: 3" = 1'



4 SKYLIGHT INFILL - SILL
A-504 SCALE: 3" = 1'



5 SKYLIGHT INFILL - HEAD
A-504 SCALE: 3" = 1'



6 FRAMING PLAN - SKYLIGHT INFILL
A-504 SCALE: 3/4" = 1'

PROJECT
ROOF REPLACEMENT
HOWARD COMMUNITY COLLEGE - CLARK LIBRARY
6020 SCHOLARSHIP DR
COLUMBIA, MARYLAND 21044

OWNER
HOWARD COMMUNITY COLLEGE
1007 LITTLE PATUXENT PARKWAY
COLUMBIA, MARYLAND 21044

NO.	DATE	DESCRIPTION	BY
1	2/10/2025	CD SUBMISSION	MLF
PROJECT NO.		656503	
CADD FILE		656503 CL A5x	
DESIGNED BY		BAB	
DRAWN BY		MLF	
CHECKED BY		SLB	
DATE		2/10/2025	
DRAWING SCALE		AS NOTED	

GRAPHIC SCALE

SHEET TITLE

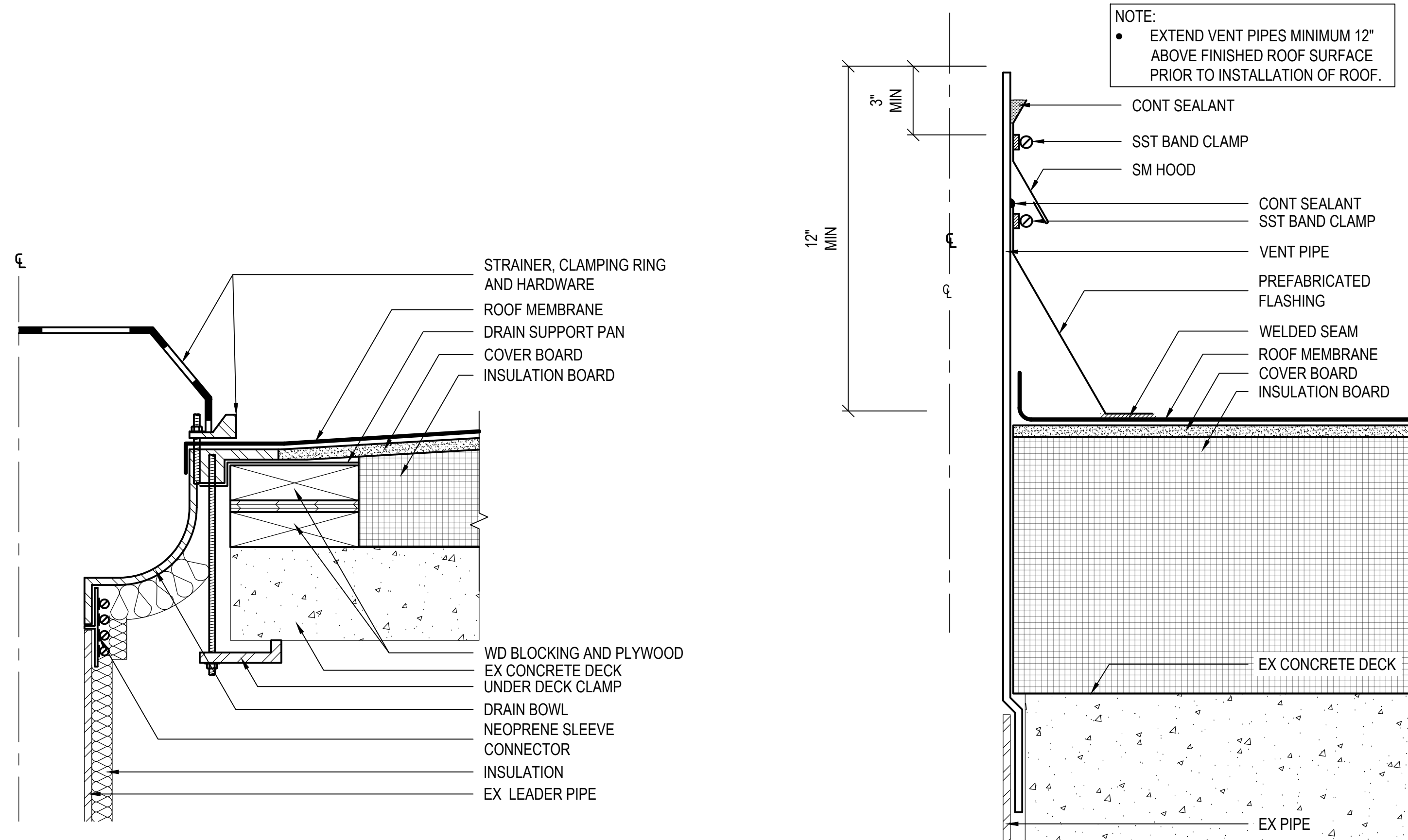
DETAILS
NEW
CONSTRUCTION

DRAWING NO.

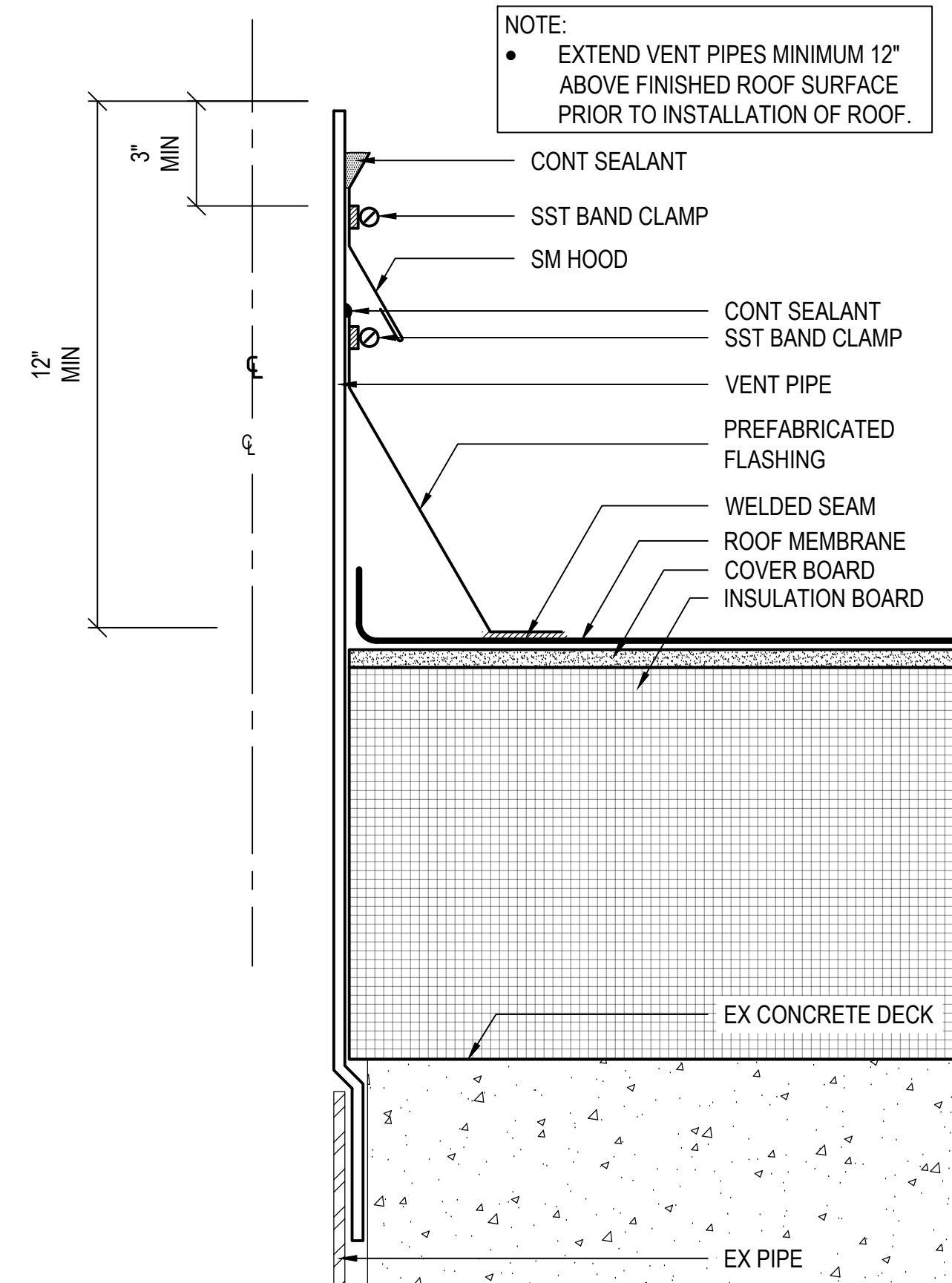
A-504

ALL ITEMS ARE NEW UNLESS DESIGNATED AS EXISTING (EX)

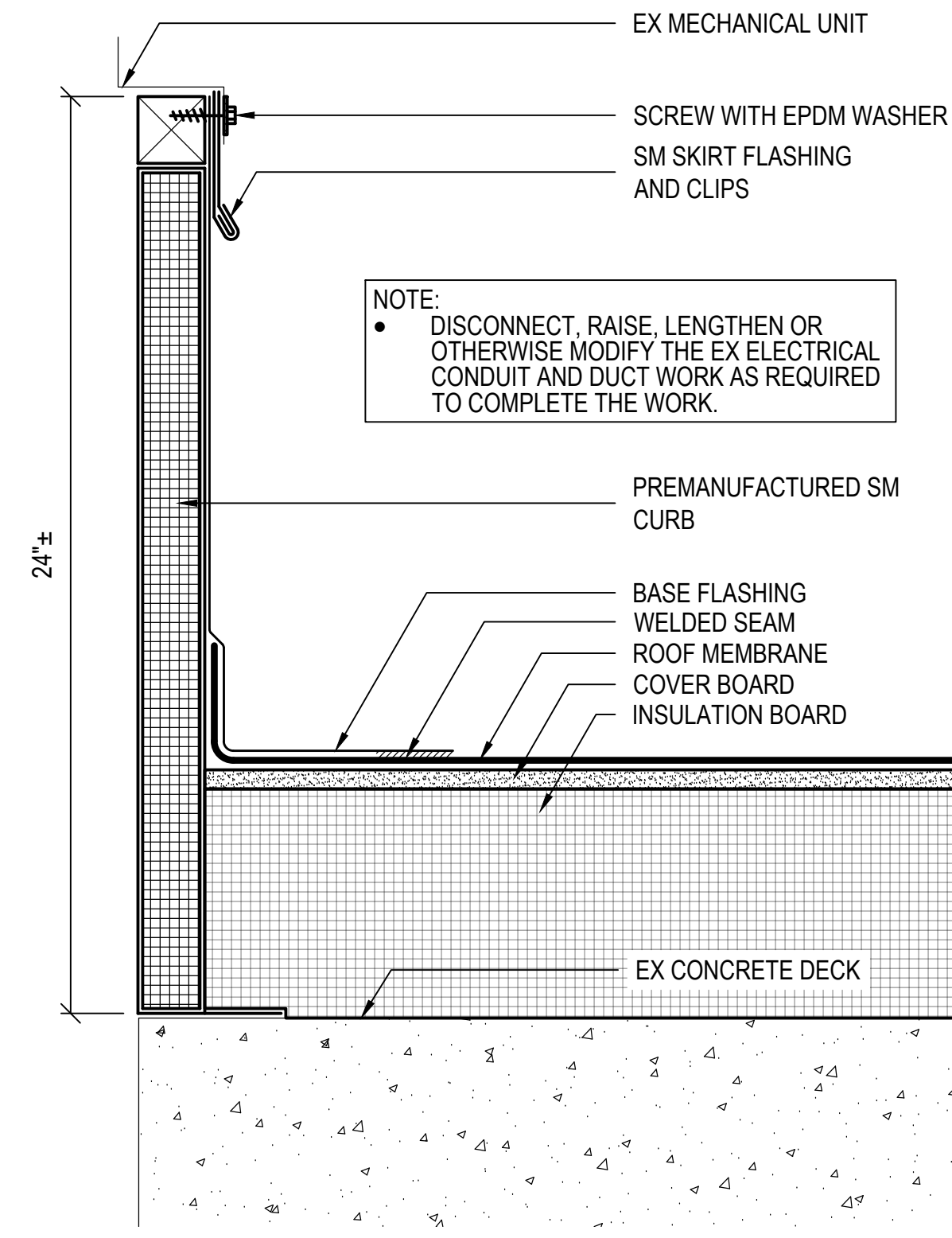
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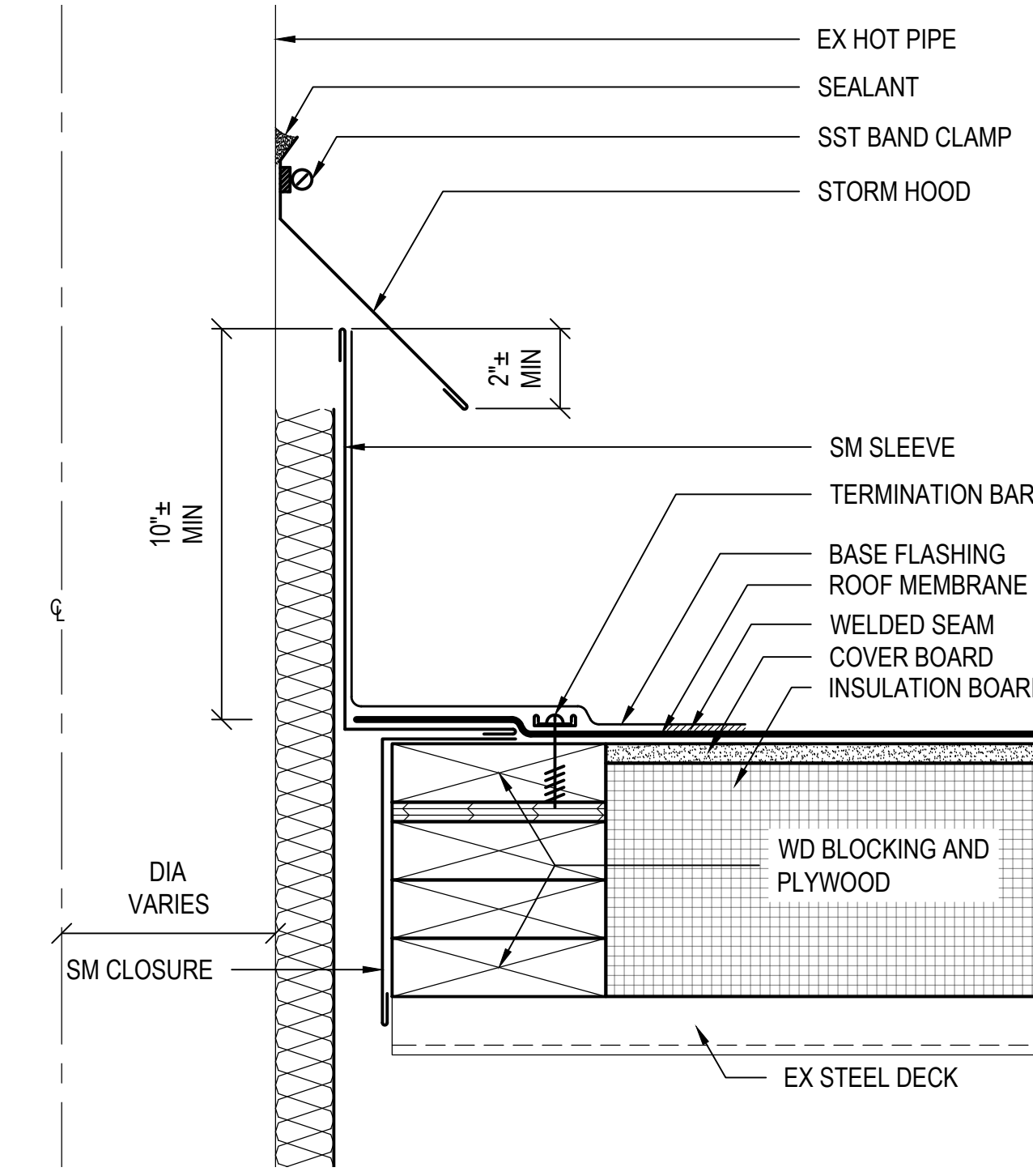
1 ROOF DRAIN
SCALE: 3" = 1'



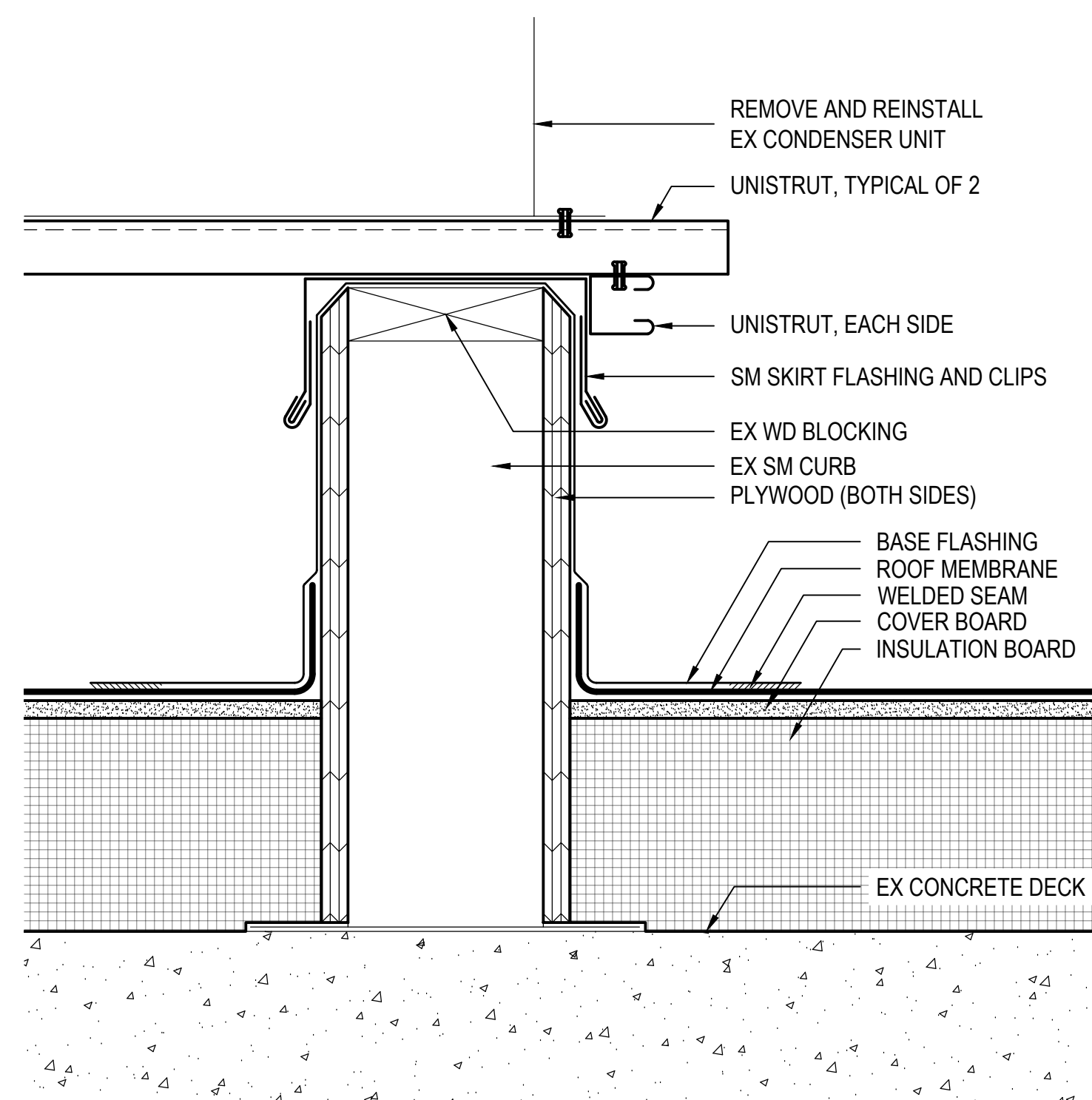
2 VENT PIPE/PIPE PENETRATION
SCALE: 3" = 1'



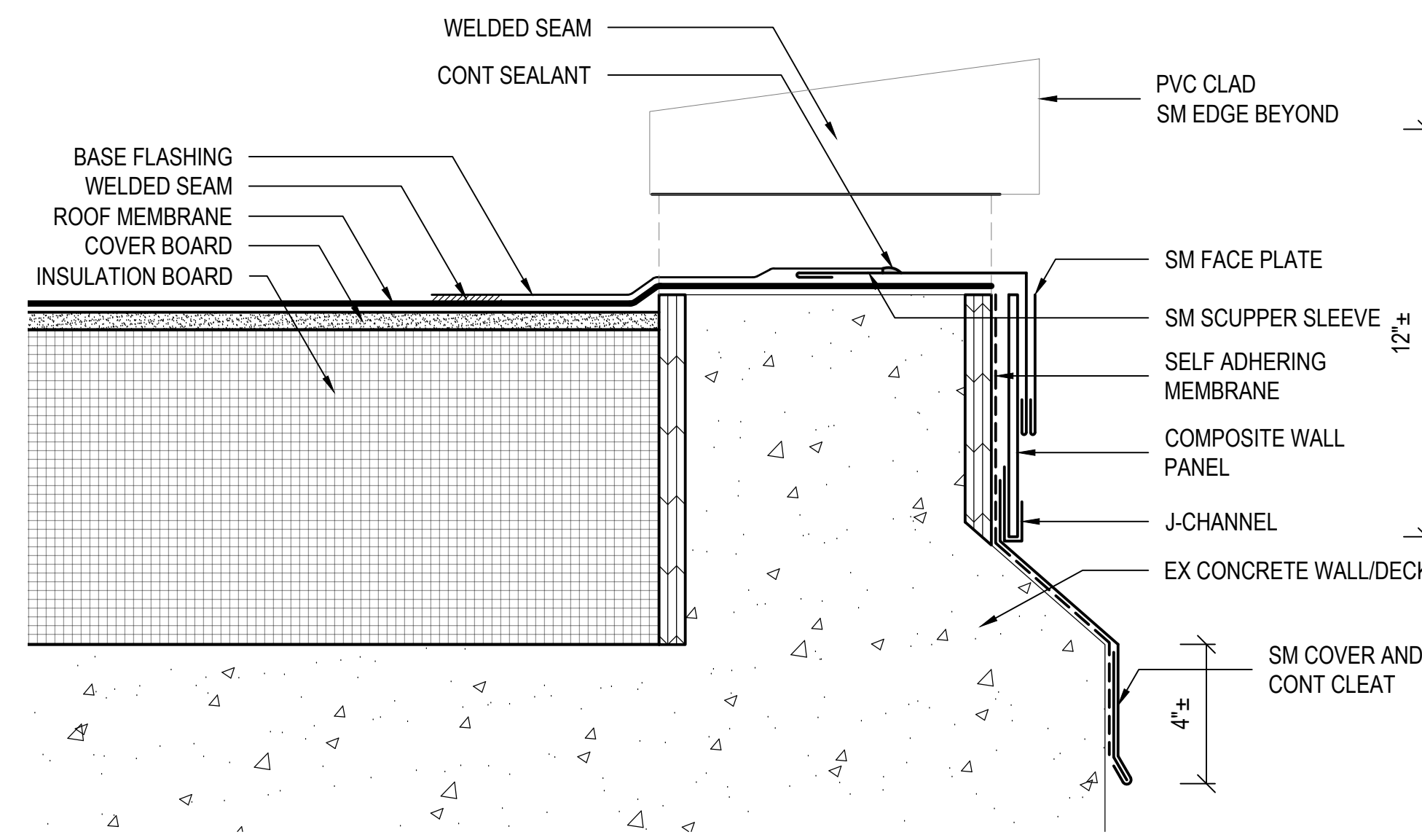
3 FAN/VENT CURB
SCALE: 3" = 1'



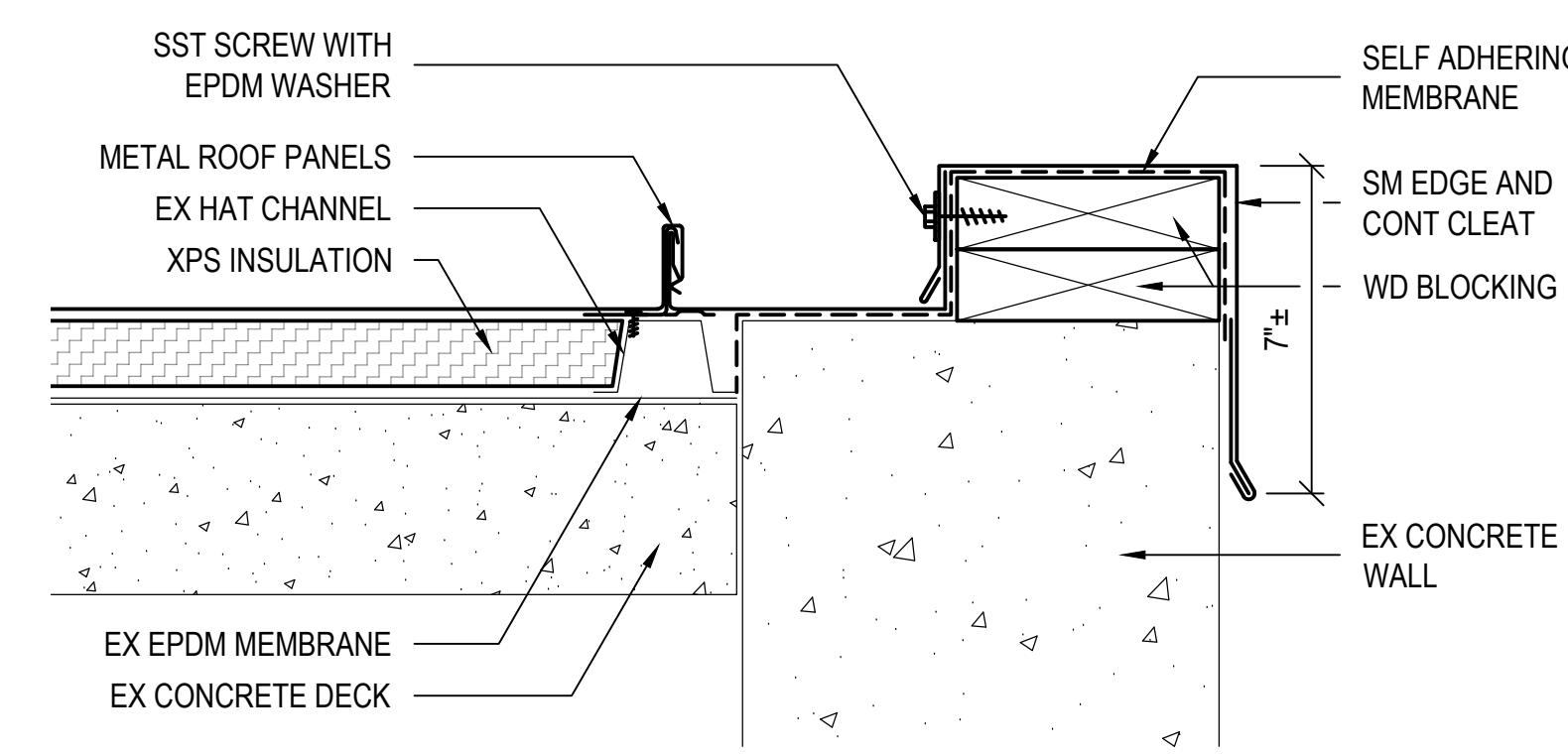
4 HOT PIPE
SCALE: 3" = 1'



5 SLEEPER CURB
SCALE: 3" = 1'



6 SCUPPER
SCALE: 3" = 1'

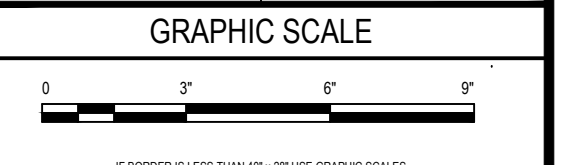


7 RAKE EDGE (ALTERNATE NO. 1)
SCALE: 3" = 1'

ALL ITEMS ARE NEW UNLESS DESIGNATED AS EXISTING (EX)

PROJECT
ROOF REPLACEMENT
HOWARD COMMUNITY COLLEGE - CLARK LIBRARY
6020 SCHOLARSHIP DR
COLUMBIA, MARYLAND 21044
OWNER
HOWARD COMMUNITY COLLEGE
1007 LITTLE PATUXENT PARKWAY
COLUMBIA, MARYLAND 21044

NO.	DATE	DESCRIPTION	BY
1	2/10/2025	CD SUBMISSION	MLF
PROJECT NO. 656503			
CADD FILE 656503 CL A5x			
DESIGNED BY BAB			
DRAWN BY MLF			
CHECKED BY SLB			
DATE 2/10/2025			
DRAWING SCALE 3" = 1'			



SHEET TITLE

DETAILS
NEW
CONSTRUCTION

DRAWING NO.
A-505



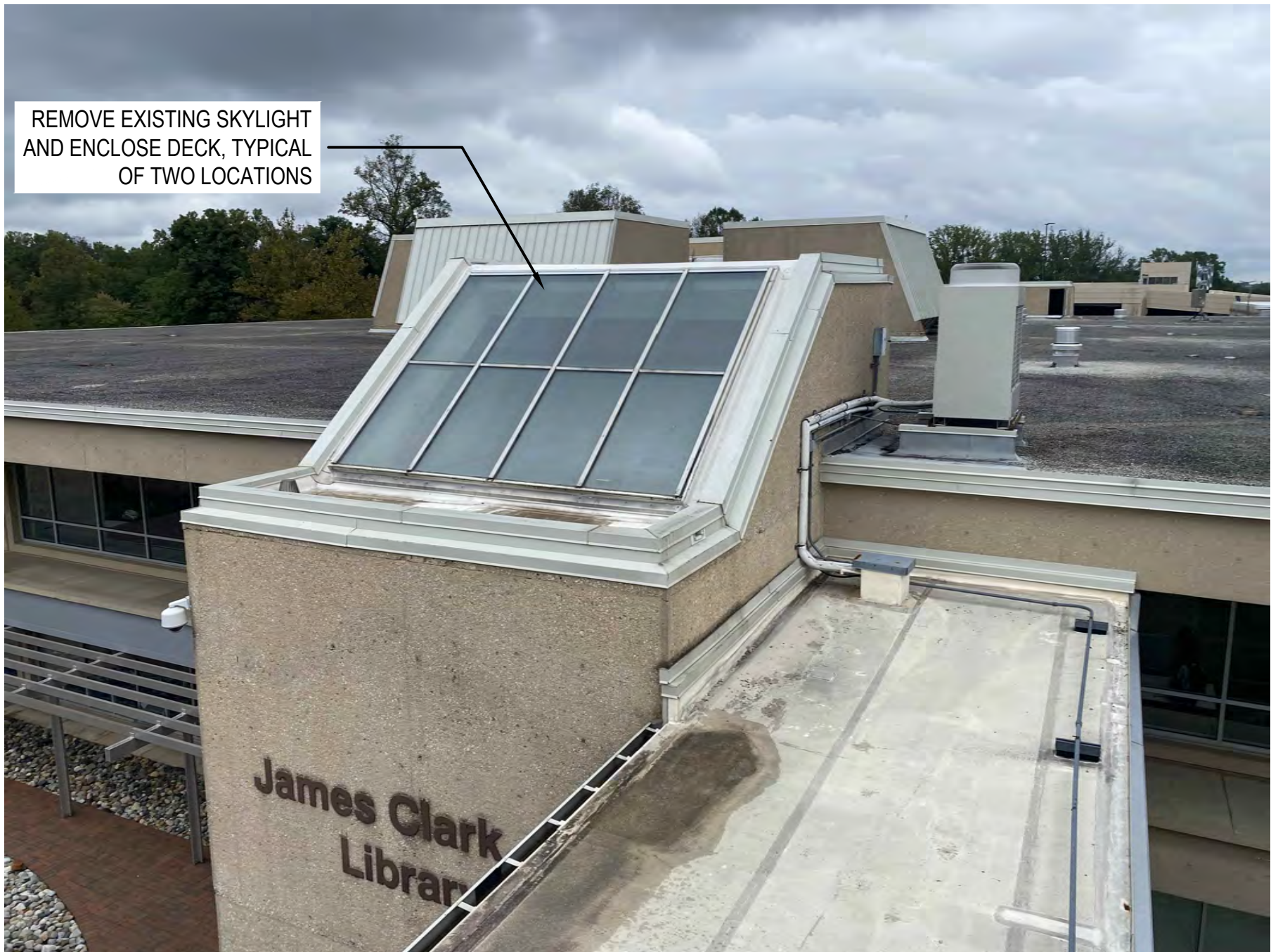
1 RAISED CONCRETE AREAS
PH-01 SCALE: NONE



2 SPEAKER
PH-01 SCALE: NONE



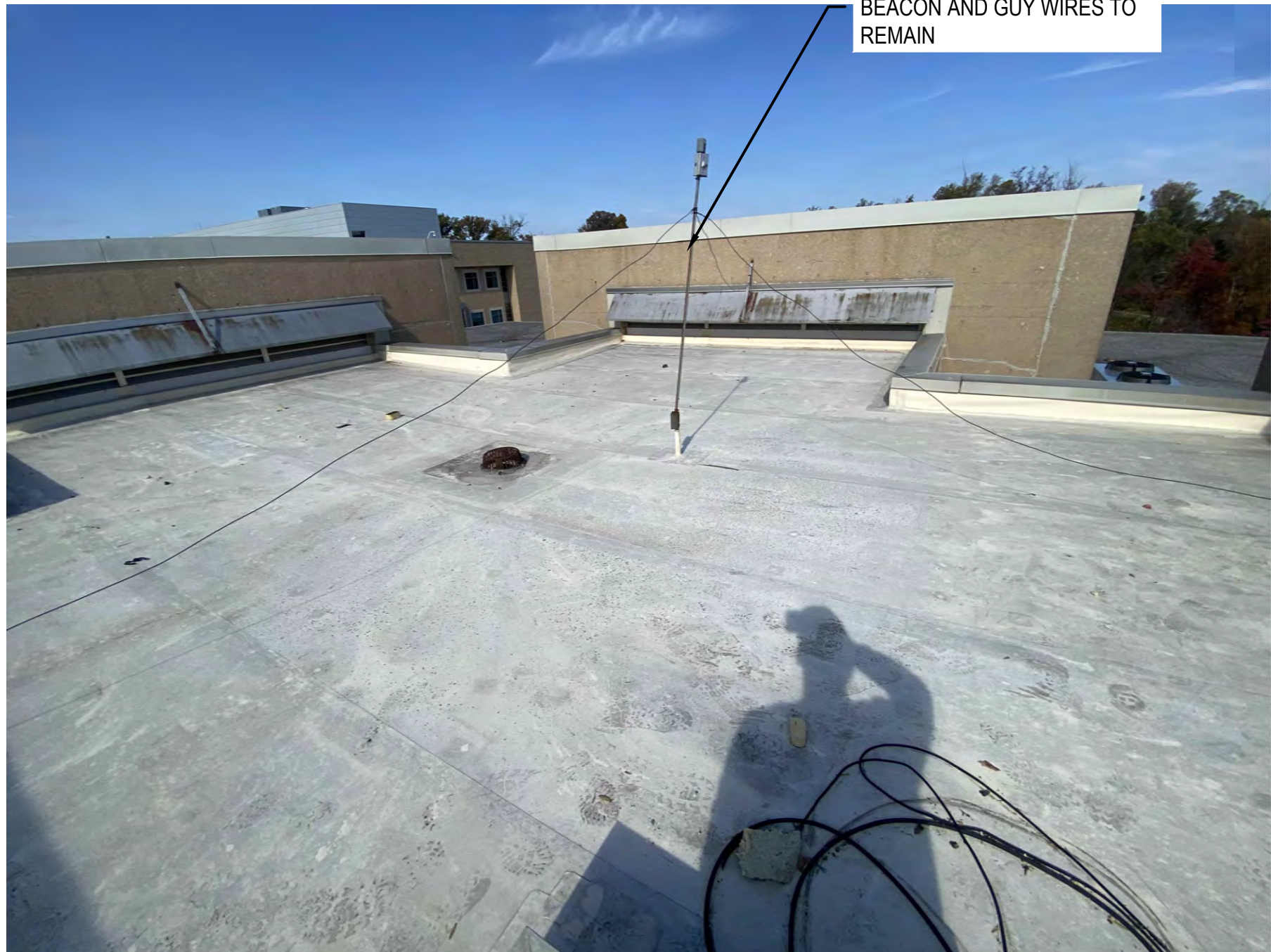
3 CONDENSER UNITS
PH-01 SCALE: NONE



4 SKYLIGHT
PH-01 SCALE: NONE



5 ANTENNA
PH-01 SCALE: NONE



6 BEACON
PH-01 SCALE: NONE



7 DRAIN PIPE
PH-01 SCALE: NONE



8 SKYLIGHT
PH-01 SCALE: NONE



9 ROOF TO WALL EXPANSION JOINT
PH-01 SCALE: NONE

PROJECT	ROOF REPLACEMENT
	HOWARD COMMUNITY COLLEGE - CLARK LIBRARY
OWNER	6020 SCHOLARSHIP DR
	COLUMBIA, MARYLAND 21044
OWNER	HOWARD COMMUNITY COLLEGE
	1007 LITTLE PATUXENT PARKWAY
	COLUMBIA, MARYLAND 21044

1	2/10/2025	CD SUBMISSION	MLF
NO.	DATE	DESCRIPTION	BY
PROJECT NO.	656503		
CADD FILE	656503 CL PHx		
DESIGNED BY	BAB		
DRAWN BY	MLF		
CHECKED BY	SLB		
DATE	2/10/2025		
DRAWING SCALE	NOT TO SCALE		
GRAPHIC SCALE			
SHEET TITLE			
PHOTOS			
DRAWING NO.			PH-01