

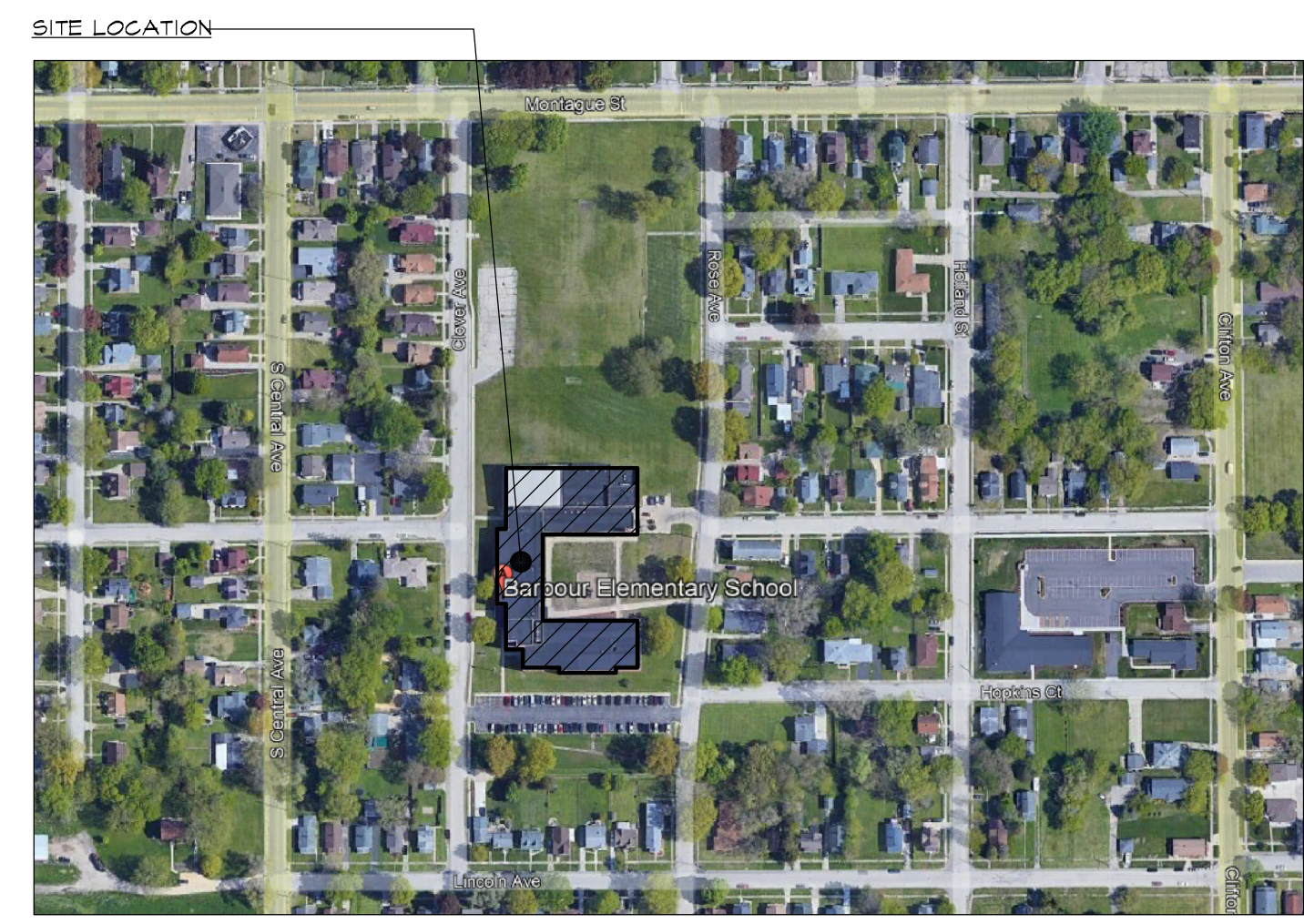
IFB 23-21 - BARBOUR ROOF REPLACEMENT



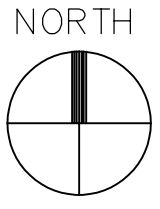
BARBOUR ELEMENTARY:

LOCATION: ROCKFORD PUBLIC SCHOOL DISTRICT #205
1506 CLOVER AVE.
ROCKFORD, IL, 61102

ARCHITECT: 1919 ARCHITECTS
4000 MORSAY DRIVE
ROCKFORD, IL 61107



1
6-1.0
BARBOUR ELEMENTARY SITE PLAN
SCALE: NTS
RPS #2232



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SHEET INDEX

GENERAL	
6-1.0	COVER SHEET
ARCHITECTURAL	
A-1.0	BARBOUR BASE BID 1
A-1.0	BARBOUR BASE BID 2
A-2.0	DETAILS

STATEMENT OF COMPLIANCE

I have prepared, or caused to be prepared under my direct supervision, the attached plans and specifications and state that, to the best of my knowledge and belief and to the extent of my contractual obligation, they are in compliance with the Environmental Barriers Act (410 ILCS 25 Code, (71 Ill. Adm. Code 400.) and the Illinois Accessibility

Signed: _____
Architect/Engineer
ILLINOIS REGISTRATION NO.: 001-015480
Exp. Date: 11/30/22
PROFESSIONAL DESIGN FIRM NO.: 184.003452

MATERIAL INDICATIONS

	EARTH		ROUGH WOOD
	GRAVEL OR SAND FILL		FINISH WOOD
	CONCRETE		PLYWOOD
	BRICK MASONRY		VAPOR BARRIER
	BRICK MASONRY		LOOSE OR BATT INSULATION
	RIGID INSULATION		

GRAPHIC SYMBOLS

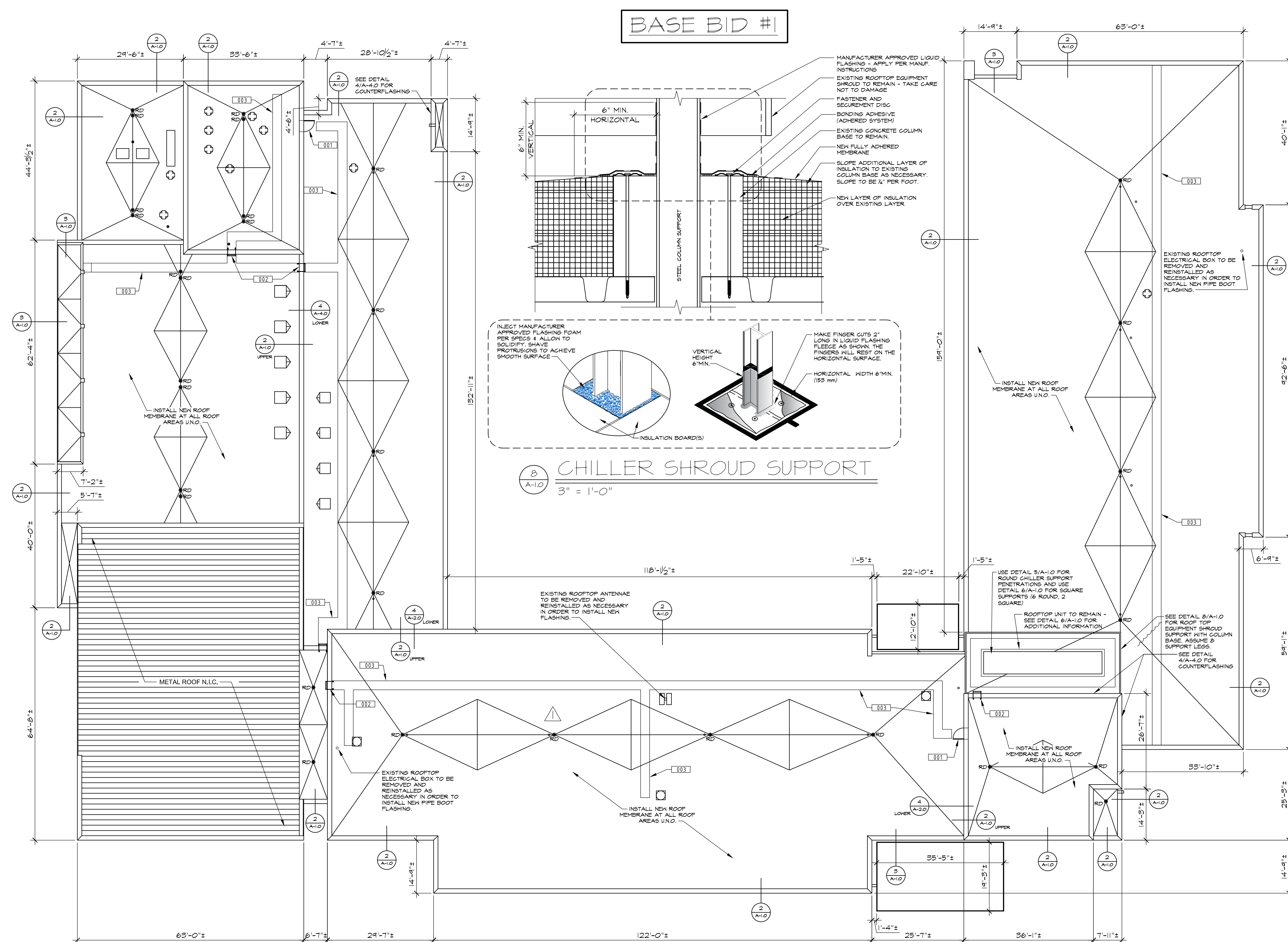
DETAIL OR SECTION	DETAIL NO.
	SHEET NO.
DOOR SYMBOL	
ELEVATION SYMBOL	

1919 Architects
4000 Morsay Drive
Rockford, IL 61107
(815) 223-8222
www.1919architects.com

ROOF REPLACEMENT AND REPAIRS
1506 CLOVER AVE.
ROCKFORD, IL 61102
21-15410

OWNER	ARCHITECT
CONTRACTOR	BIDDING CO.
520 N. PIERPONT AVE. ROCKFORD IL, 61103	ROB
01-12-2022	JMK
21-15410	Appd
21-15410	Prp

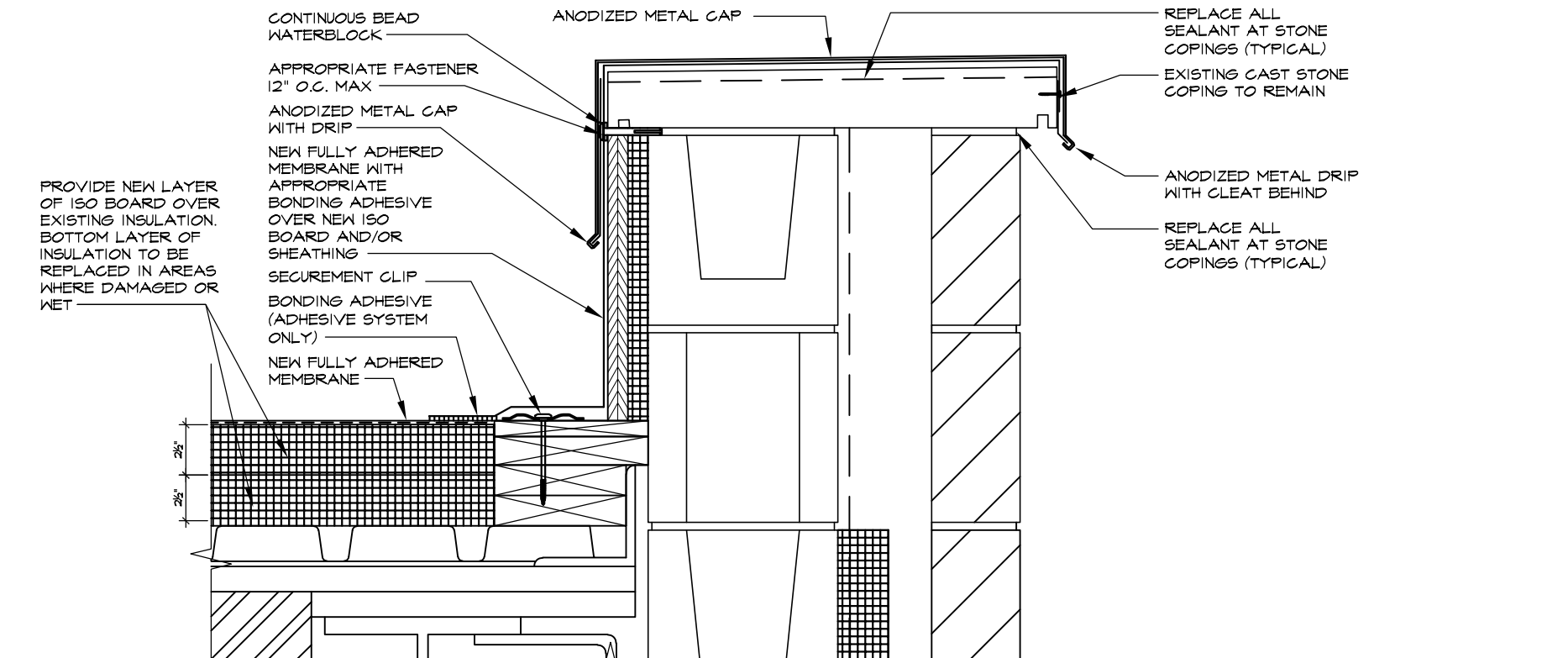
Rev. Date	
Sheet No:	6-1.0



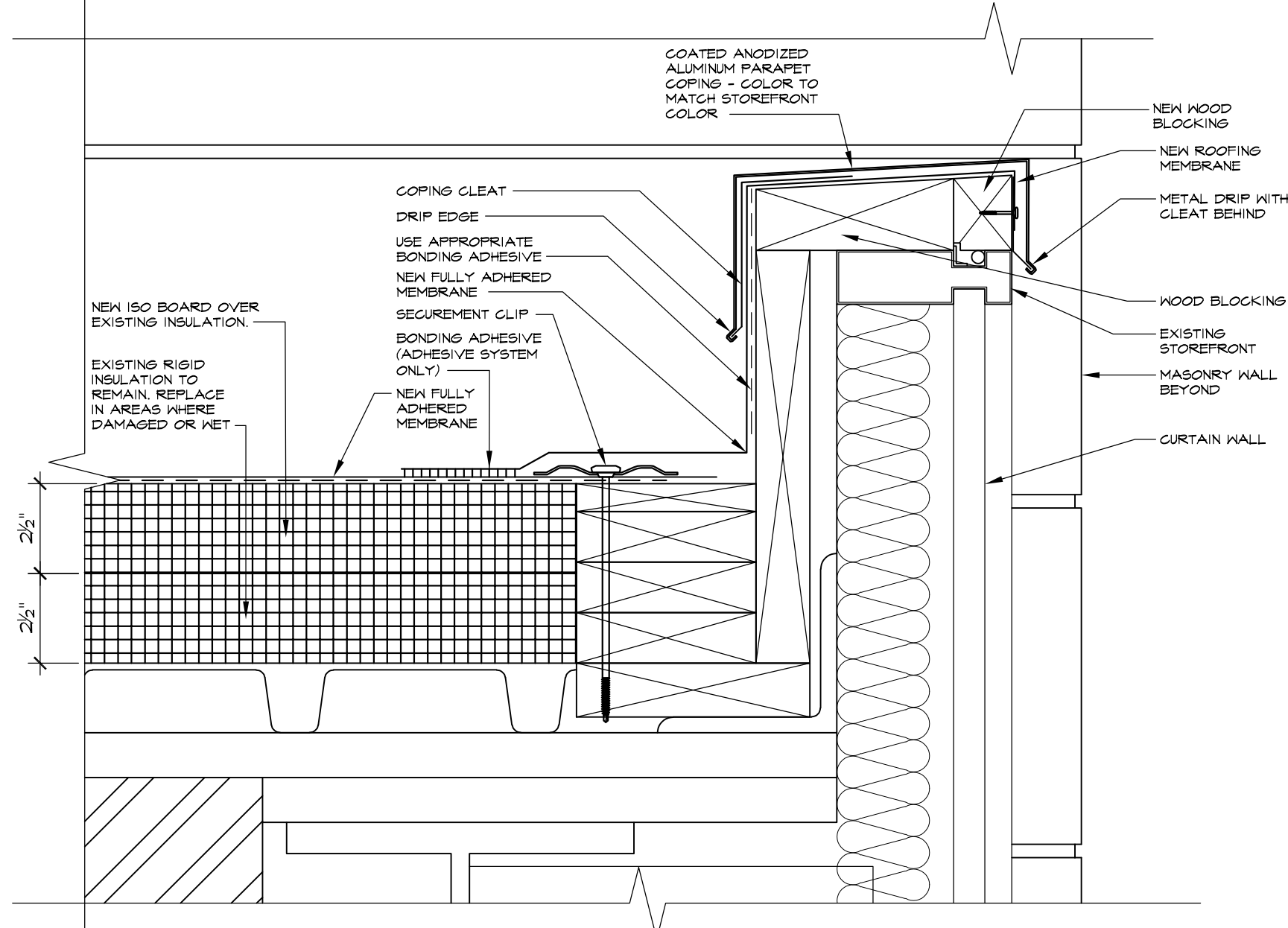
- ### GENERAL NOTES (THIS SHEET ONLY)
- ALL ROOF DIMANSIONS ARE GIVEN FOR CONTRACTORS GENERAL INFORMATION ONLY. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND MAKE ADJUSTMENTS AS NECESSARY.
 - CONTRACTOR SHALL VISIT THE JOB SITE TO FAMILIARIZE THEMSELVES WITH THE SCOPE OF THE PROJECT AND TO FIELD VERIFY EXISTING CONDITIONS. THE LCOATIONS OF PLUMBING VENT PIPES, ROOF EQUIPMENT AND DOWNSPOUTS MAY VARY. CONTRACTOR SHALL MAKE MINOR ADJUSTMENTS AS NECESSARY TO COMPLETE THE DESCRIBED WORK.
 - CONTRACTOR SHALL ONLY REMOVE (OR WORK ON) AREA OF ROOFING WHICH CAN BE REPLACED IN A SINGLE WORKING DAY.
 - LOCATIONS OF ROOF MOUNTED EQUIPMENT MAY VARY SLIGHTLY.
 - CLEAN SEAM AREAS, OVERLAP ROOFING MEMBRANE AND HOT-AIR WELD SIDE AND END LAPS OF ROOFING MEMBRANE ACCORDING TO MANUFACTURERS WRITTEN INSTRUCTIONS.
 - TEST LAP EDGES WITH PROBE TO VERIFY SEAM WELD CONTINUITY.
 - VERIFY FIELD STRENGTH OF SEAM A MINIMUM OF TWICE DAILY AND REPAIR SEAM SAMPLE AREAS.
 - REPAIR TEARS, VOIDS, AND LAPPED SEAMS IN ROOFING MEMBRANE THAT DOES NOT MEET REQUIREMENTS.
 - VERIFY THAT ALL ROOF EQUIPMENT IS 6" (MINIMUM) FROM BOTTOM OF UNIT TO NEW ROOF MEMBRANE. IF UNIT DOES NOT MEET CLEARANCE, THE CURB MUST BE RAISED OR A NEW CURB MUST BE INSTALLED TO MEET MINIMUM DISTANCE TO BOTTOM OF ROOF TOP EQUIPMENT.

- ### KEYNOTES
- 001 EXISTING ROOF ACCESS DOOR TO REMAIN
 - 002 EXISTING ROOF LADDER TO REMAIN
 - 003 EXISTING ROOF WALKWAY PADS TO BE REMOVED AND REPLACED WITH NEW. CUT PADS AT ROOF CRICKET FOR CONTINUOUS VALLEY.

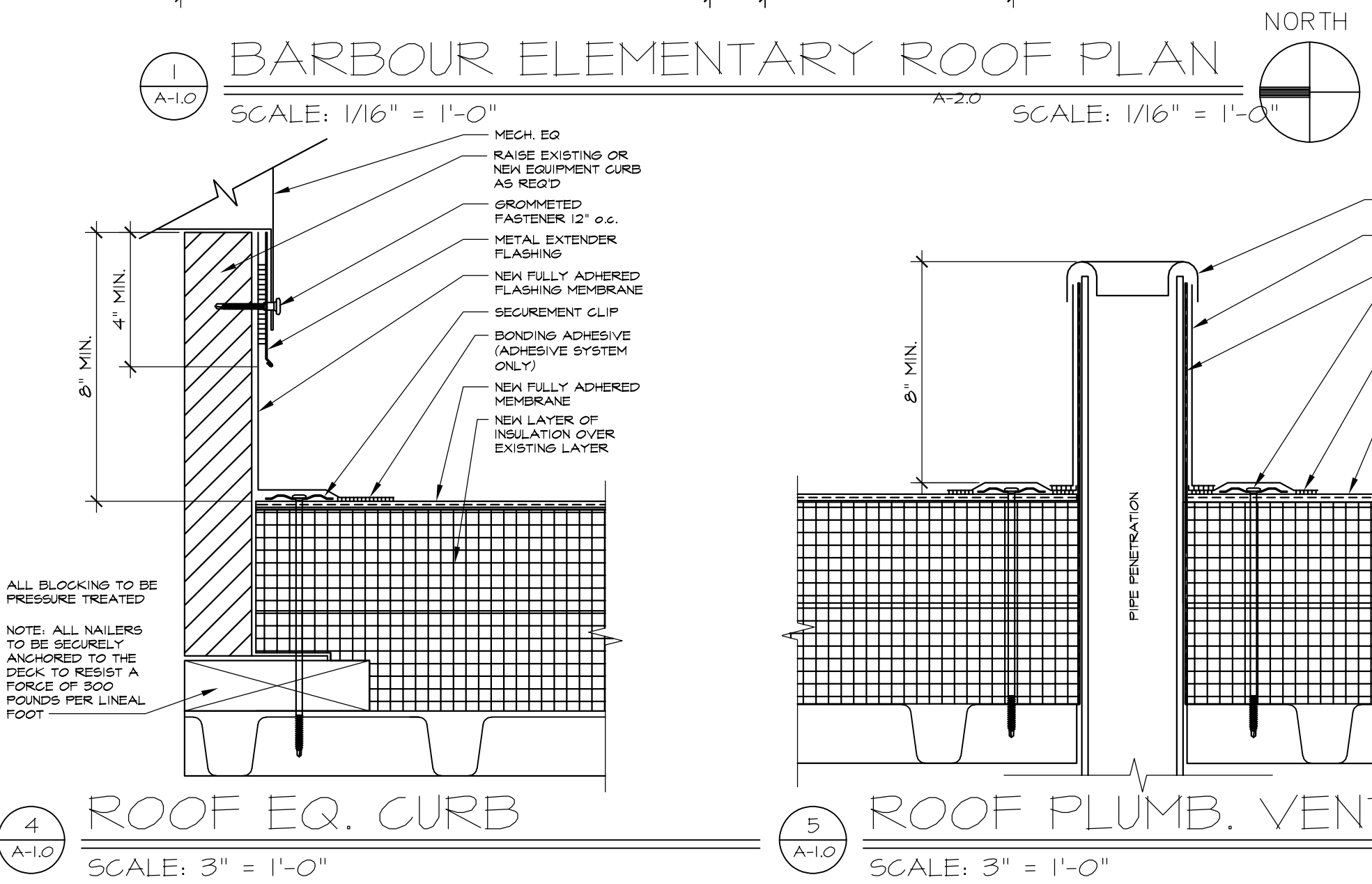
- ### LEGEND OF SYMBOLS (THIS SHEET ONLY)
- DETAIL No.
 - SHEET No.
 - ROOFTOP EXHAUST FAN (SIZES VARY) - SEE DETAIL 6 ON THIS SHEET
 - ROOF LADDER TO REMAIN
 - RD ROOF DRAIN - SEE DETAIL 9/A-2.0
 - ROOFTOP EQUIPMENT - SEE DETAIL 4 ON THIS SHEET
 - FLUE VENT PIPE - REPLACE FLASHINGS
 - 0 ROOF PLUMBING VENT PIPE (SIZES VARY) - SEE DETAIL 5/A-1.0



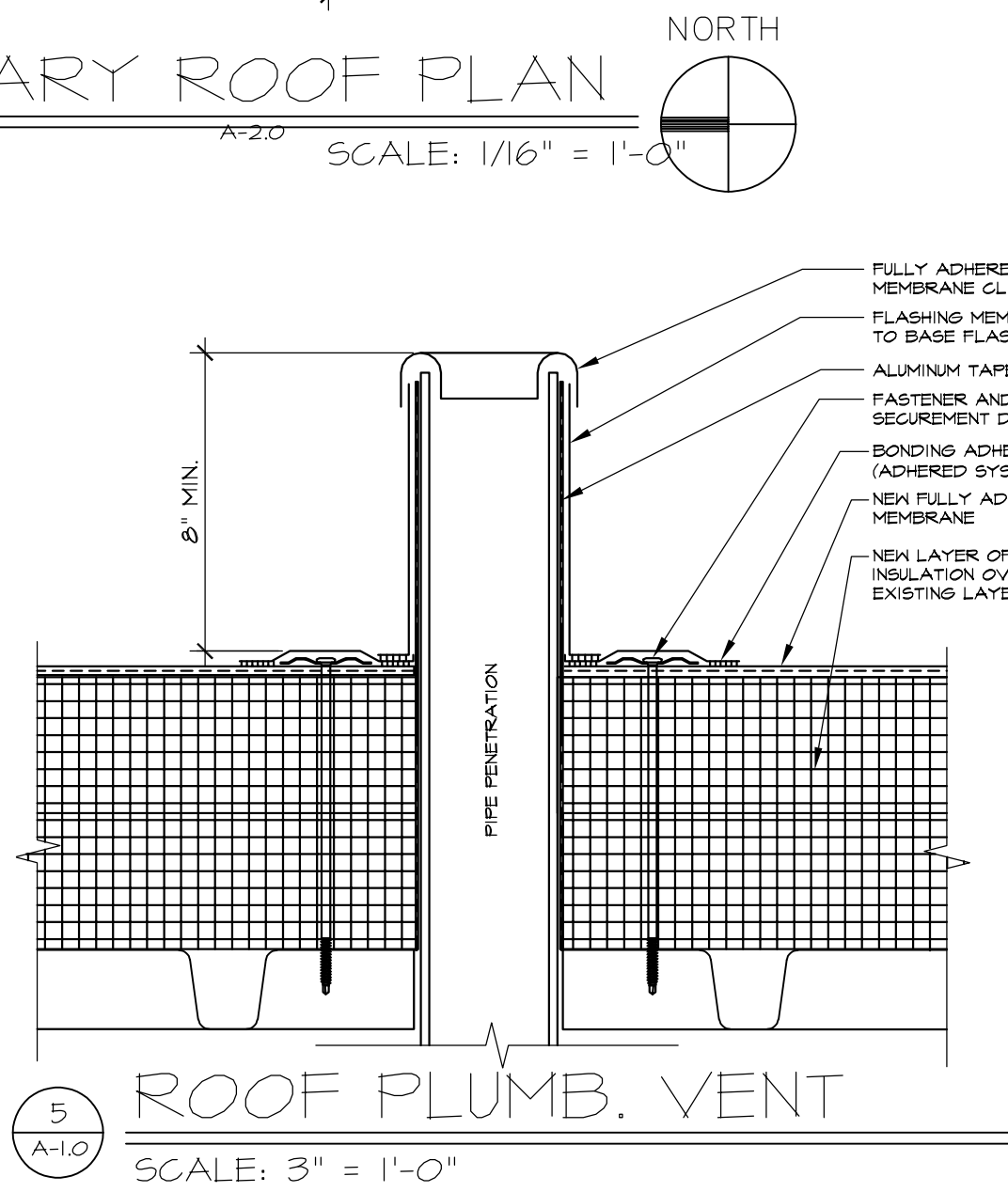
2 A-1.0 ROOF EDGE DETAIL AT STONE
SCALE: 1/12" = 1'-0"



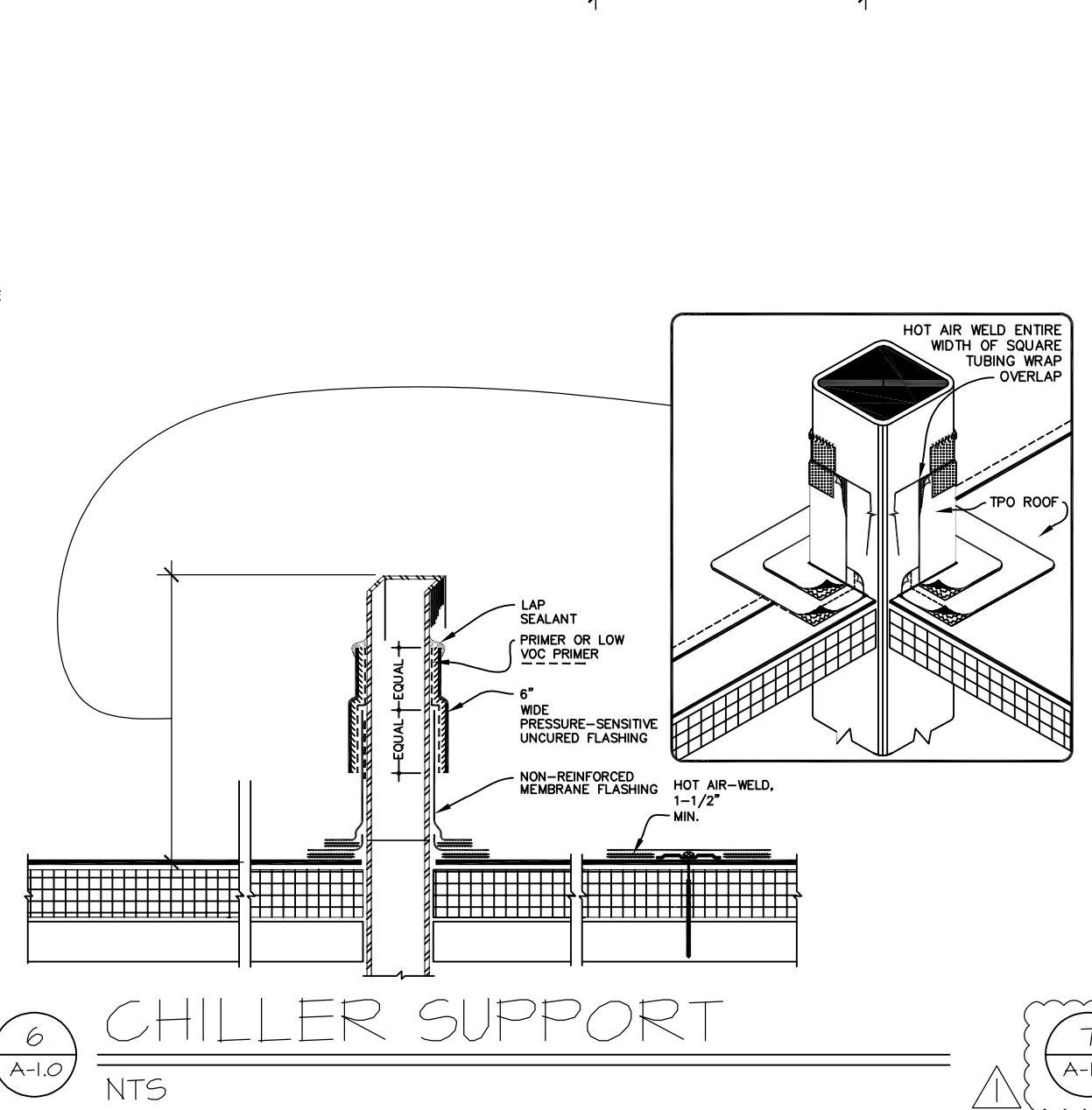
3 A-1.0 ROOF EDGE DETAIL AT CURTAIN WALL
SCALE: 3" = 1'-0"



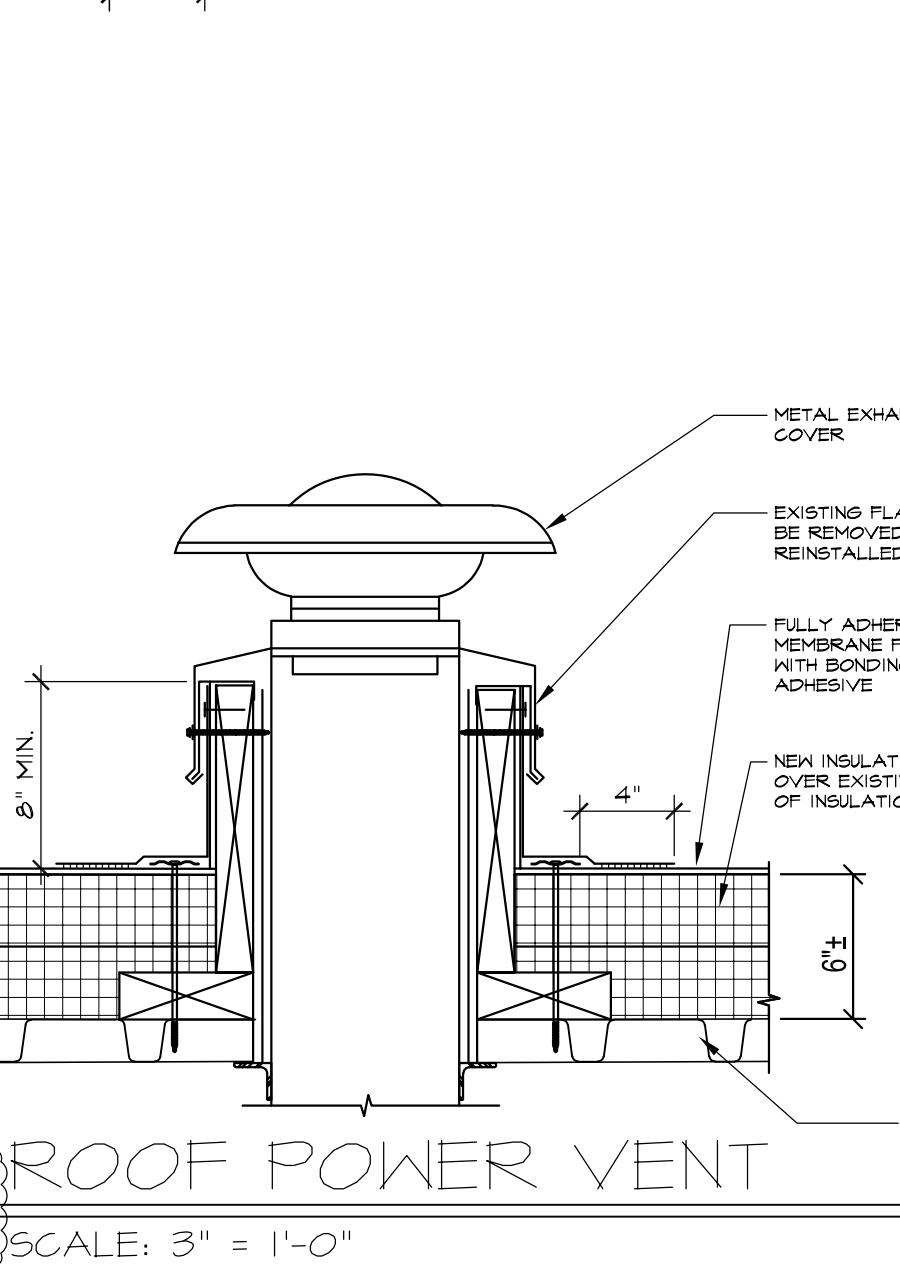
4 A-1.0 ROOF EQ. CURB
SCALE: 3" = 1'-0"



5 A-1.0 ROOF PLUMB. VENT
SCALE: 3" = 1'-0"



6 A-1.0 CHILLER SUPPORT
NTS



7 A-1.0 ROOF POWER VENT
SCALE: 3" = 1'-0"

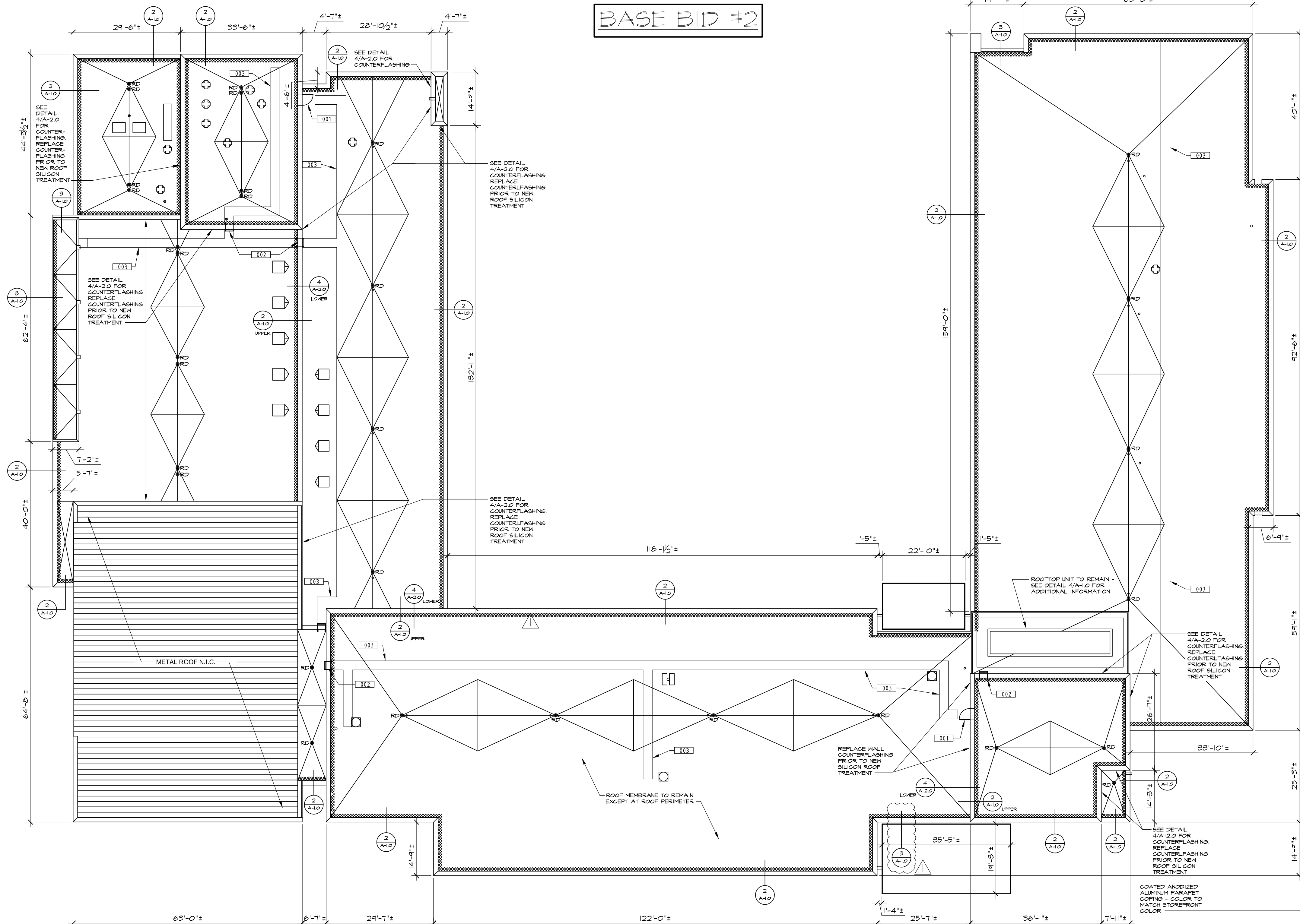
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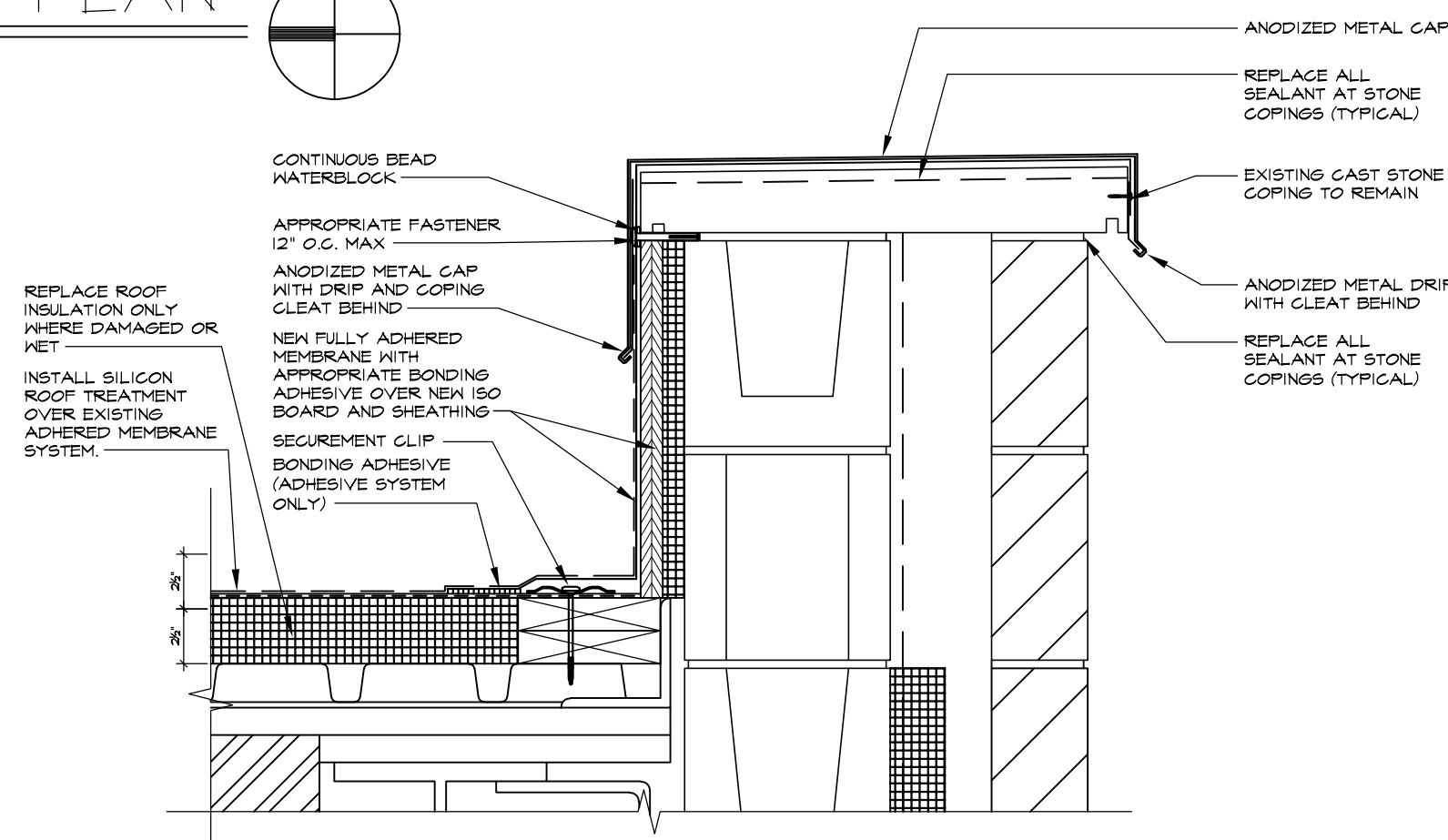
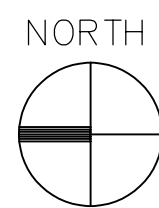
www.1919architects.com

ARCHITECT	OWNER	CONTRACTOR	BIDDING CO.
1919 Architects	1506 CLOVER AVE. ROCKFORD, IL 61102	RSB	JMK
Rev. Date	Project Number	21-15410	04-12-2022
Sheet No:	A-1.0		

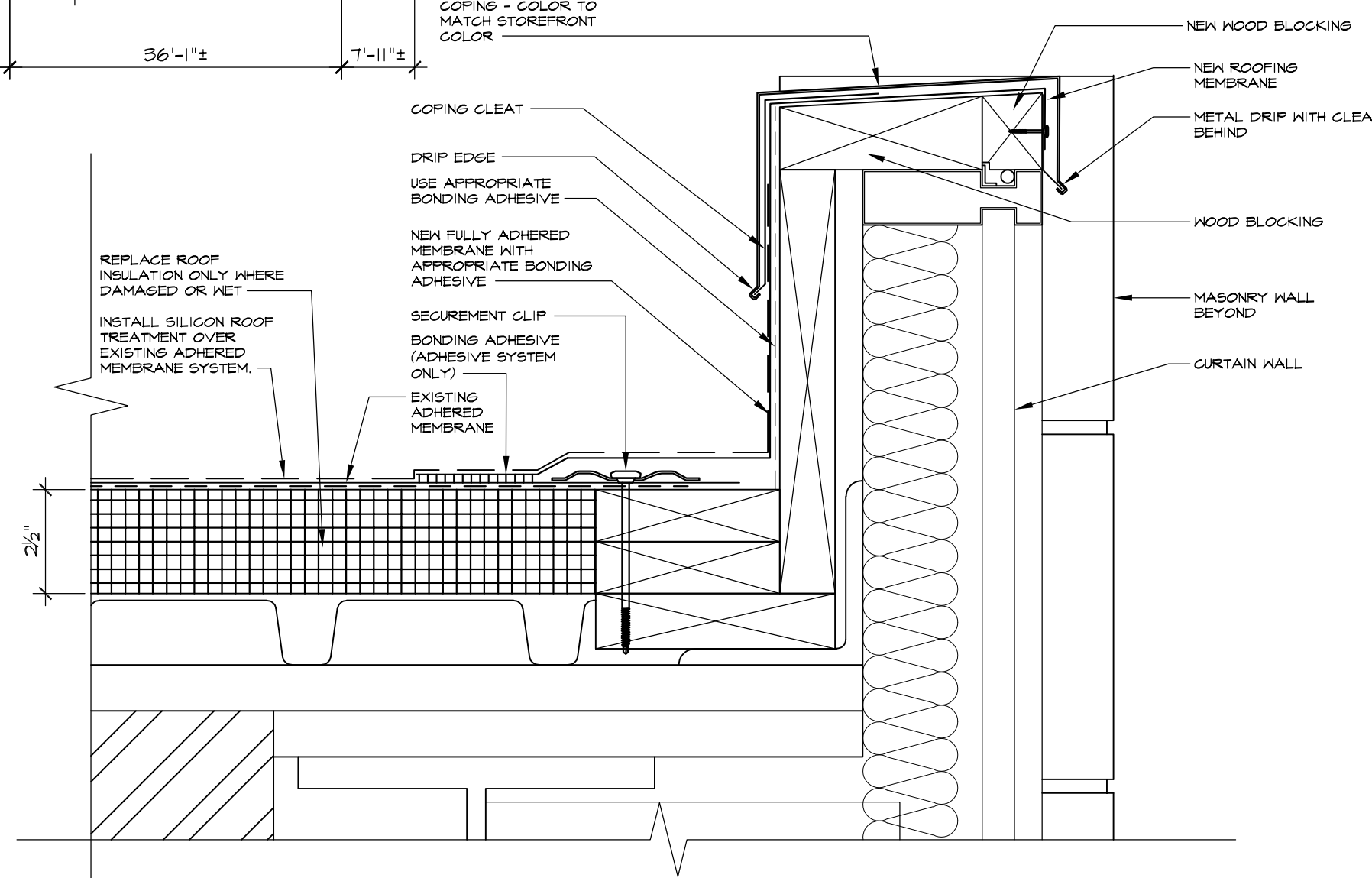
BASE BID #2



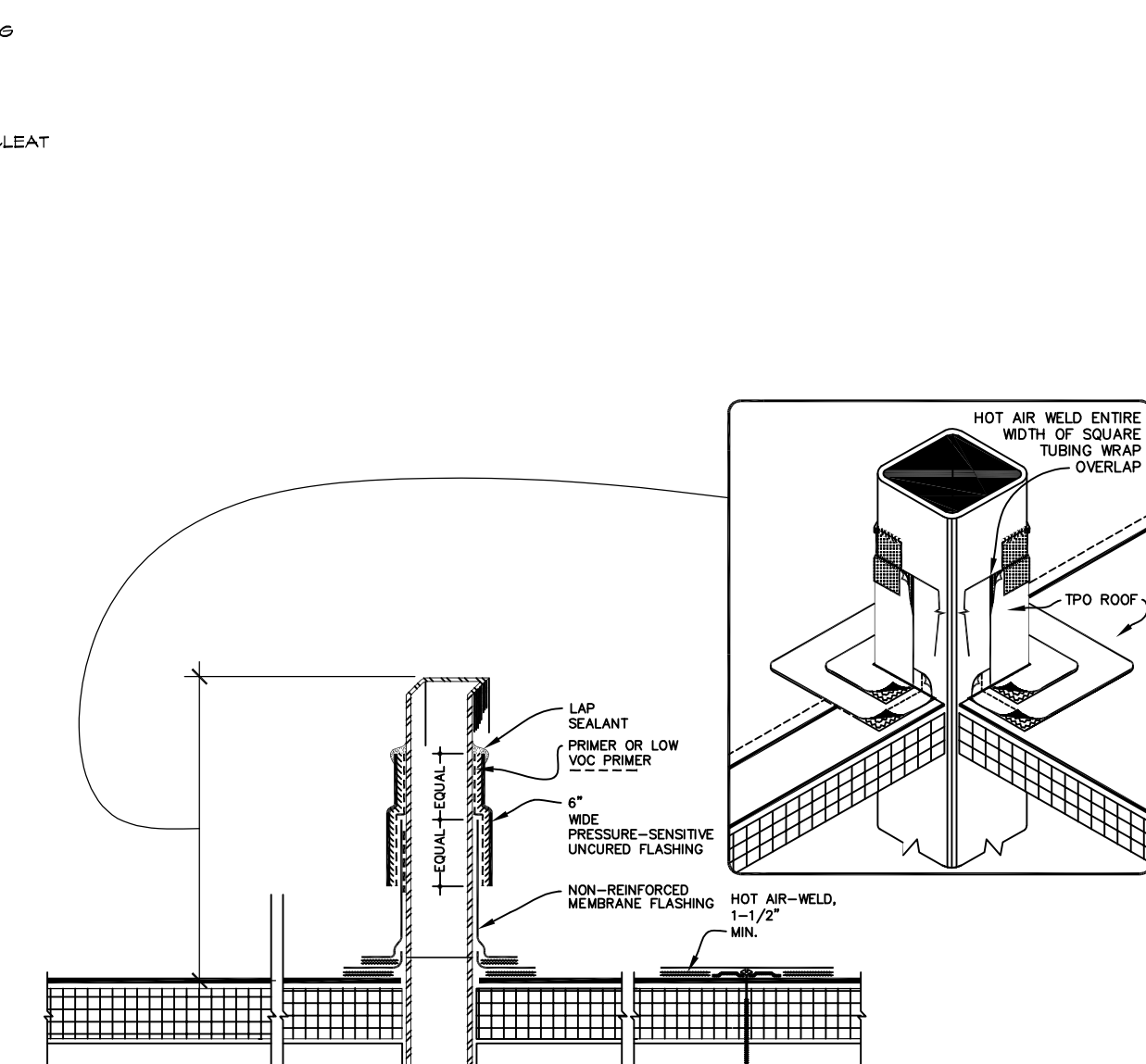
1 BARBOUR ELEMENTARY ROOF PLAN
SCALE: 1/16" = 1'-0"



2 ROOF EDGE DETAIL AT STONE
SCALE: 1 1/2" = 1'-0"



3 ROOF EDGE DETAIL AT CURTAIN WALL
SCALE: 3" = 1'-0"

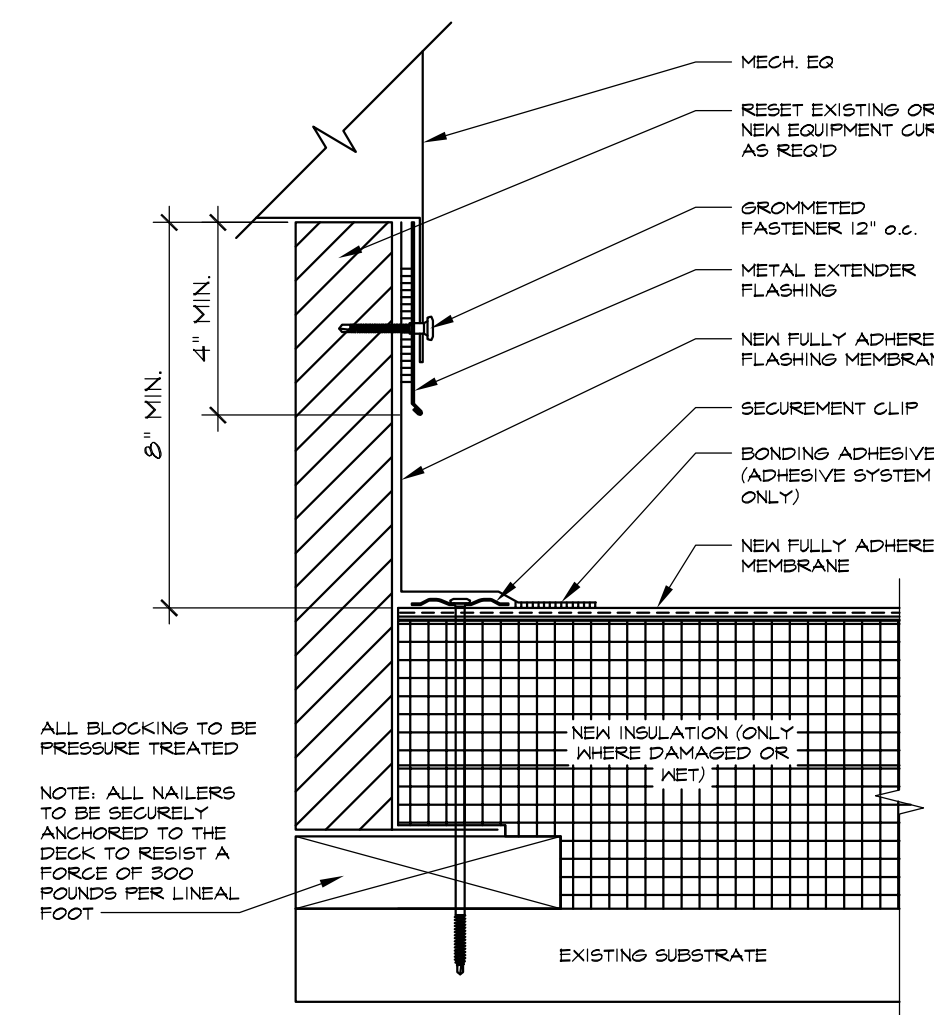


4 CHILLER SUPPORT
NTS

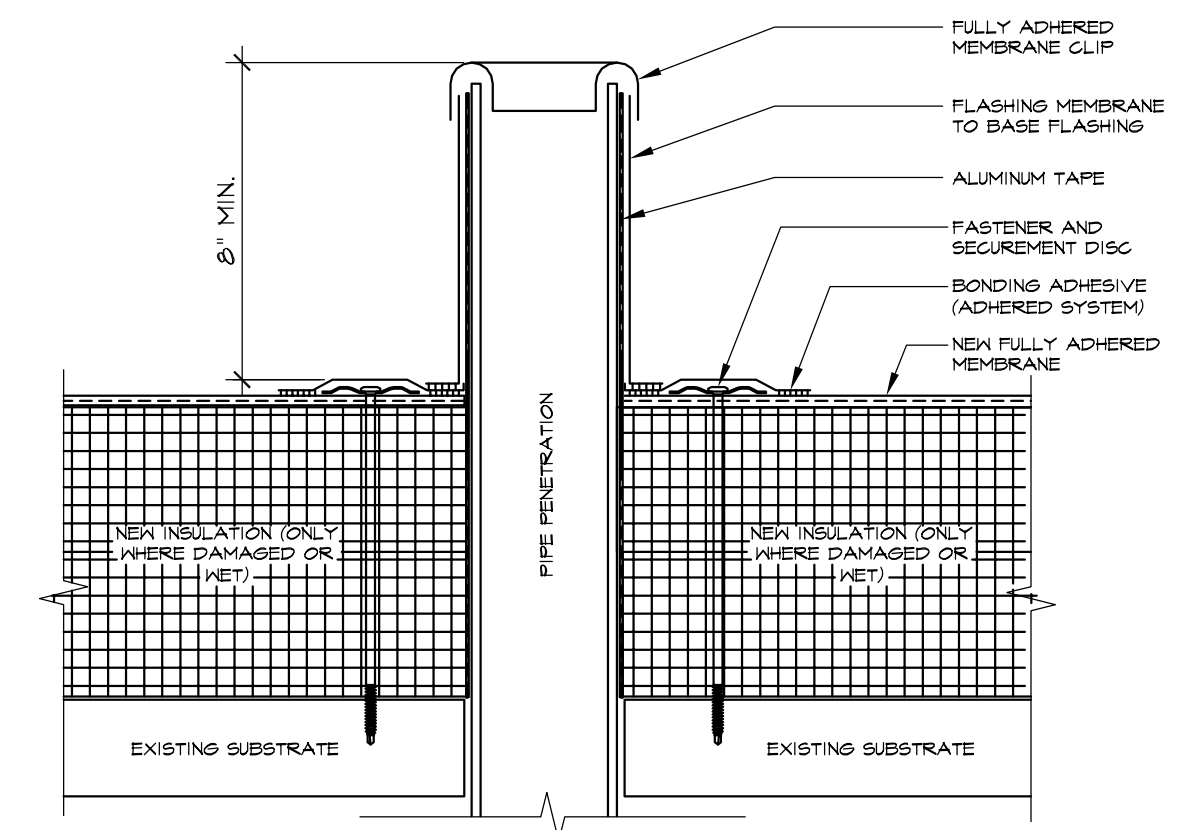
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 - TEST LAP EDGES WITH PROBE TO VERIFY SEAM WELD CONTINUITY.
 - VERIFY FIELD STRENGTH OF SEAM A MINIMUM OF TWICE DAILY AND REPAIR SEAM SAMPLE AREAS.
 - REPAIR TEARS, VOIDS, AND LAPPED SEAMS IN ROOFING MEMBRANE THAT DOES NOT MEET REQUIREMENTS.
 - VERIFY THAT ALL ROOF EQUIPMENT IS 8" (MINIMUM) FROM BOTTOM OF UNIT TO NEW ROOF MEMBRANE. IF UNIT DOES NOT MEET CLEARANCE, THE CURB MUST BE RAISED OR A NEW CURB MUST BE INSTALLED TO MEET MINIMUM DISTANCE TO BOTTOM OF ROOF TOP EQUIPMENT.
 - ALLOWANCE OF REPLACEMENT OF ROOF INSULATION (WHERE DAMAGED OR WET) IS 2% (BASE BID 2 ONLY)

- ### KEYNOTES
- 001 EXISTING ROOF ACCESS DOOR TO REMAIN
- 002 EXISTING ROOF LADDER TO REMAIN
- 003 EXISTING ROOF WALKWAY PADS TO BE REMOVED AND REPLACED WITH NEW. CUT PADS AT ROOF CRICKET FOR CONTINUOUS VALLEY.

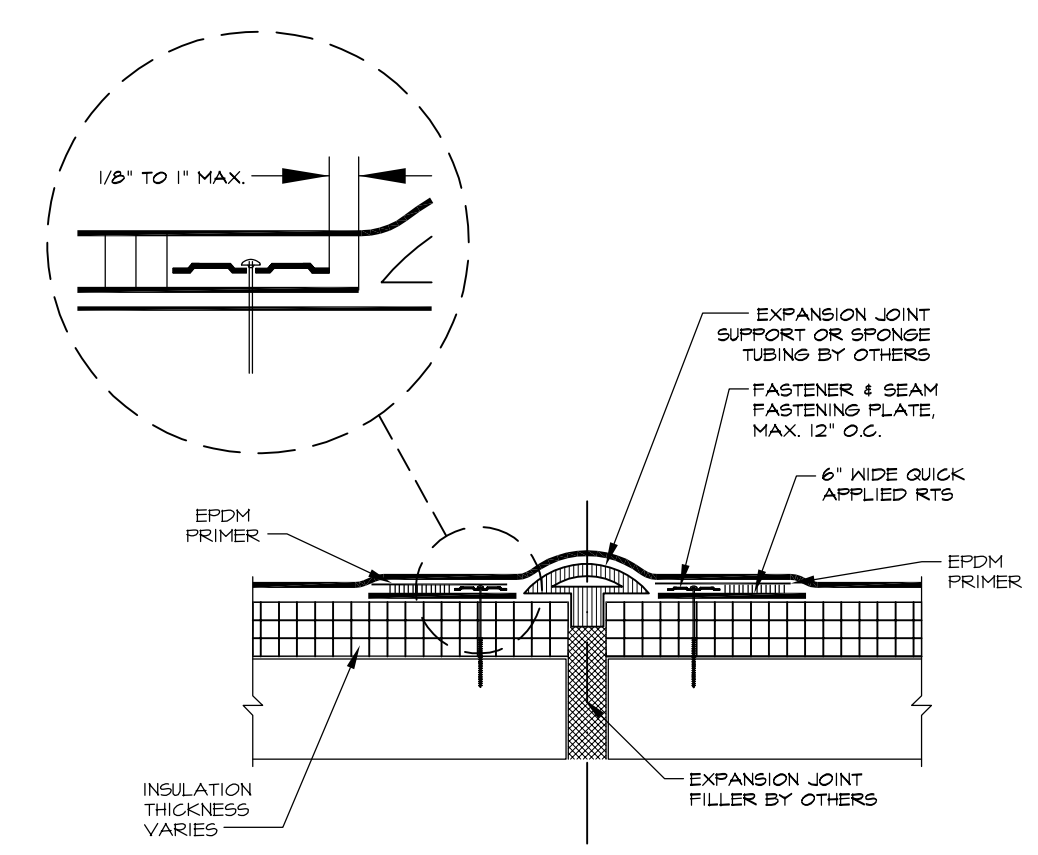
- ### LEGEND OF SYMBOLS (THIS SHEET ONLY)
- DETAIL No.
- SHEET No.
- ROOFTOP EXHAUST FAN (SIZES VARY) - SEE DETAIL 6/A-4.0
- ROOF ACCESS HATCH TO REMAIN
- ROOF LADDER TO REMAIN
- ROOF DRAIN - SEE DETAIL 9/A-4.0
- ROOFTOP EQUIPMENT - SEE DETAIL 1/A-4.0
- FLUE VENT PIPE - REPLACE FLASHINGS
- INSTALL NEW ROOF MEMBRANE AT ROOF PERIMETER. FLASH TO EXISTING ROOF MEMBRANE AND OVER PARAPET WALL. SEE DETAILS 2 AND 3/A-1.0.



1
A-2.0
ROOF EQUIPMENT CURB DETAIL
SCALE: 3" = 1'-0"

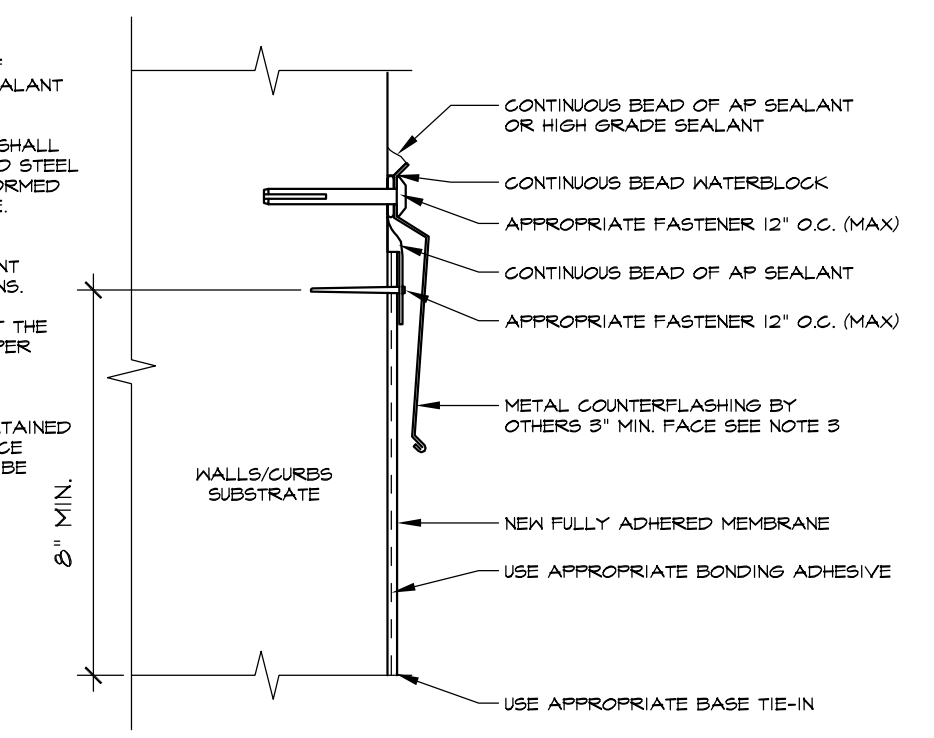


2
A-2.0
ROOF PLUMBING VENT
SCALE: 3" = 1'-0"

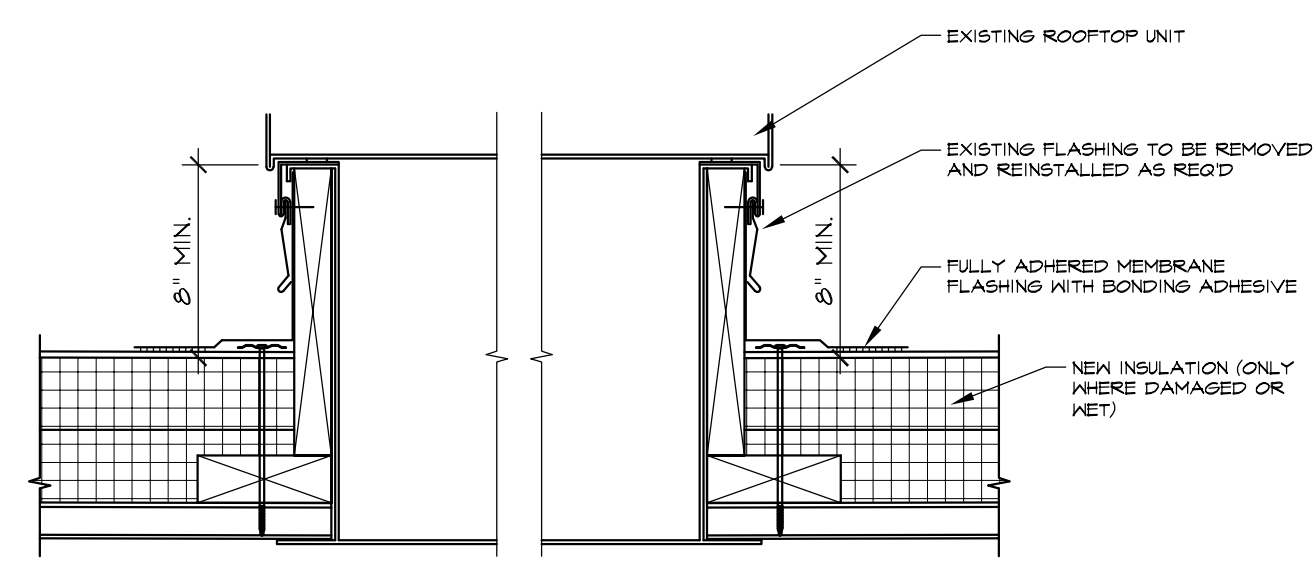


3
A-2.0
ROOF EXPANSION JOINT DETAIL
SCALE: 3" = 1'-0"

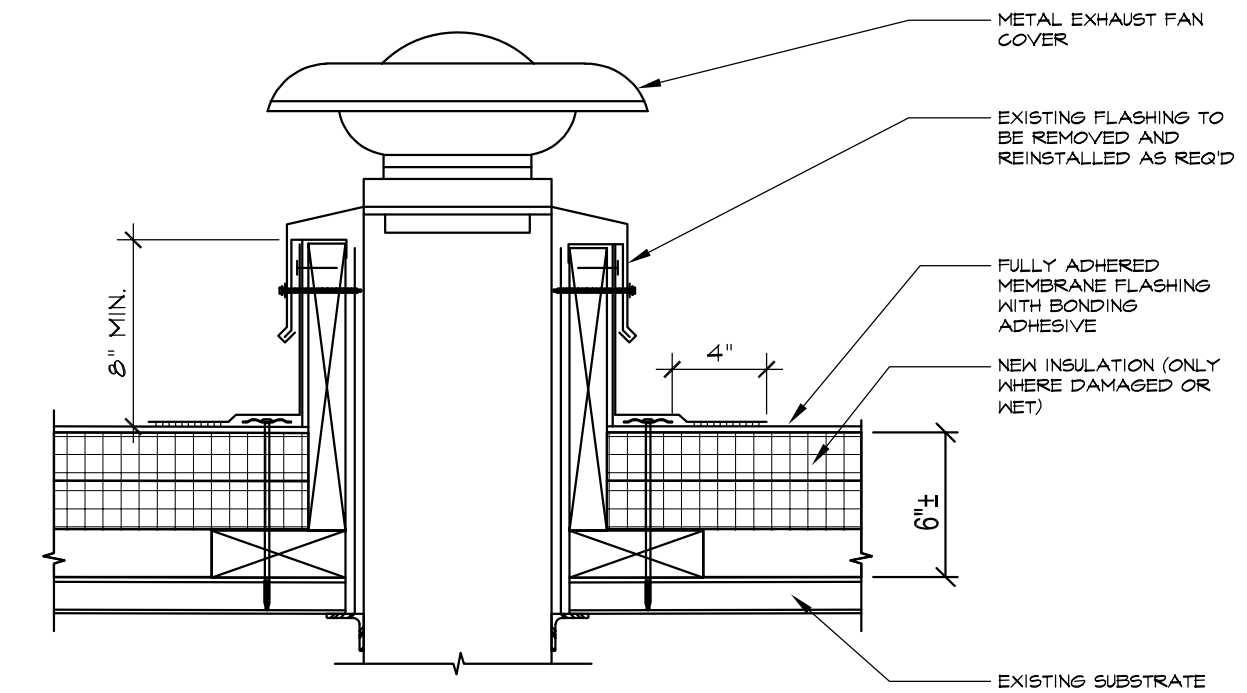
- NOTES (4/A-4.0):
1. REGULAR MAINTENANCE OF COUNTERFLASHING AND SEALANT REQUIRED.
 2. METAL COUNTERFLASHING SHALL BE 24 GAUGE PRE-FINISHED STEEL OR .032" MIN. ALUMINUM FORMED WITH HEMMED LOWER EDGE.
 3. INSTALL METAL WORK IN ACCORDANCE WITH CURRENT SHACMA RECOMMENDATIONS.
 4. WATER BLOCK APPLIED AT THE RATE OF 10 LINEAR FEET PER TUBE.



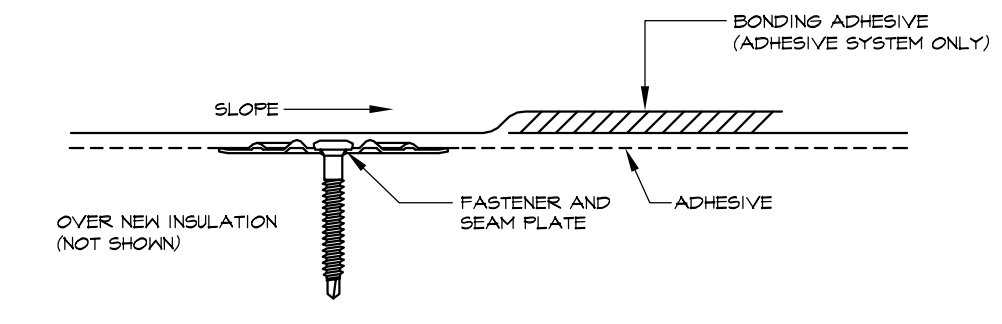
4
A-2.0
WALL COUNTERFLASHING DETAIL
SCALE: 3" = 1'-0"



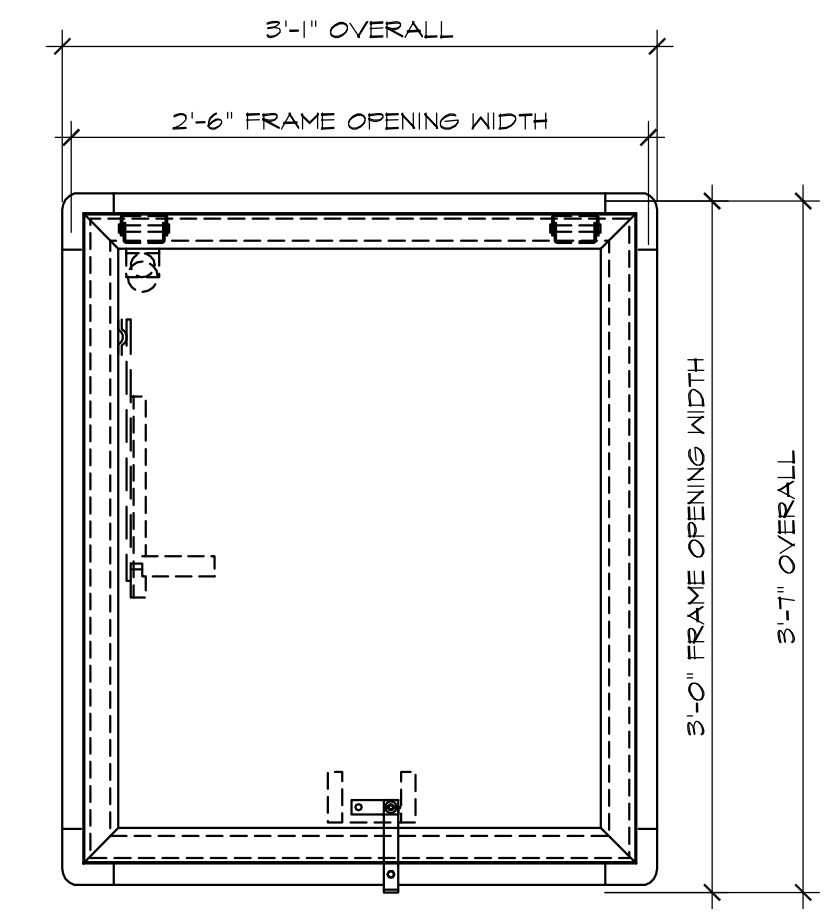
5
A-2.0
RTU CURB DETAIL
SCALE: 1 1/2" = 1'-0"



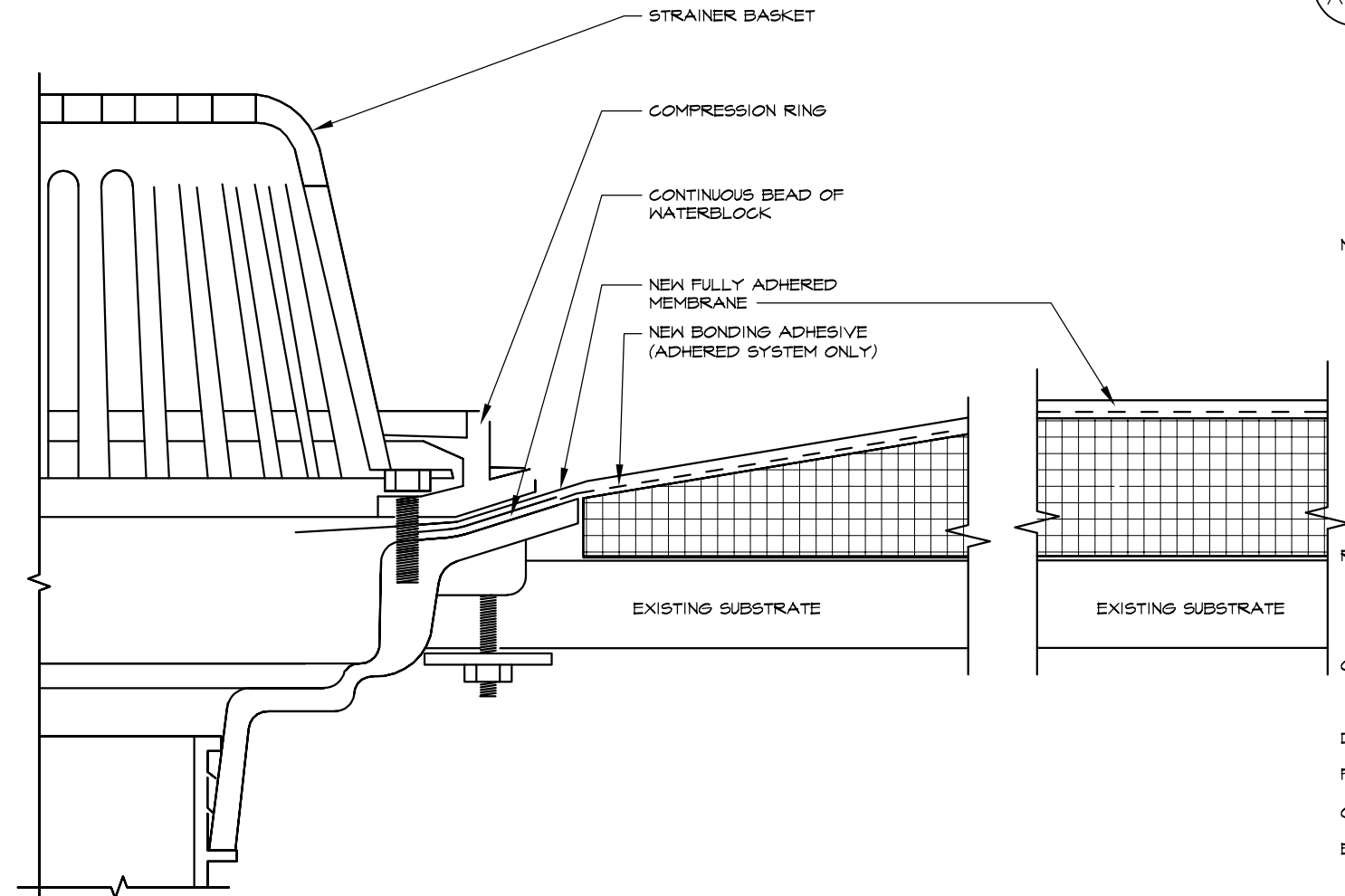
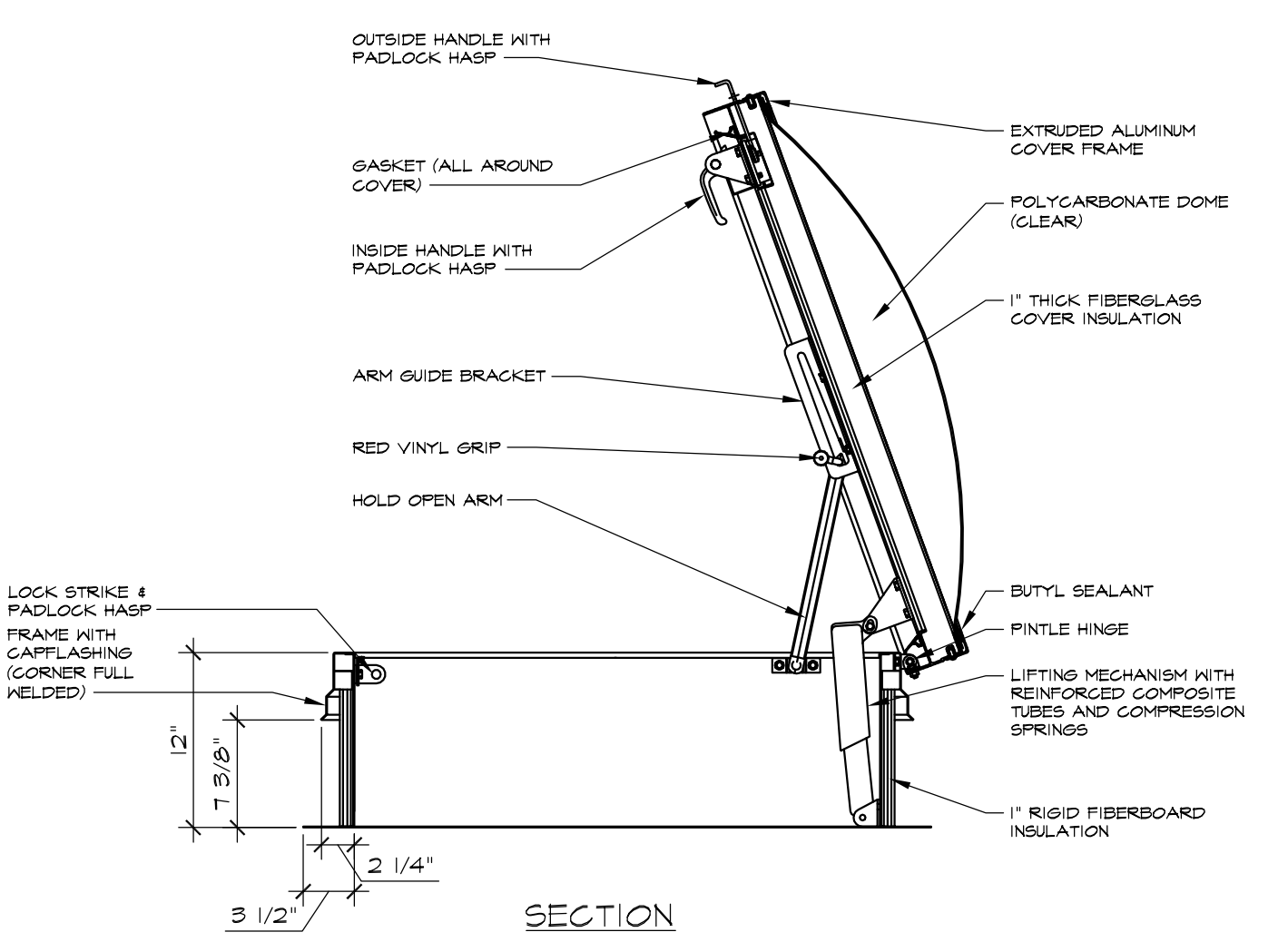
6
A-2.0
ROOF POWER VENT
SCALE: 1 1/2" = 1'-0"



7
A-2.0
TYPICAL LAP SPLICE/WELD DETAIL
SCALE: 6" = 1'-0"

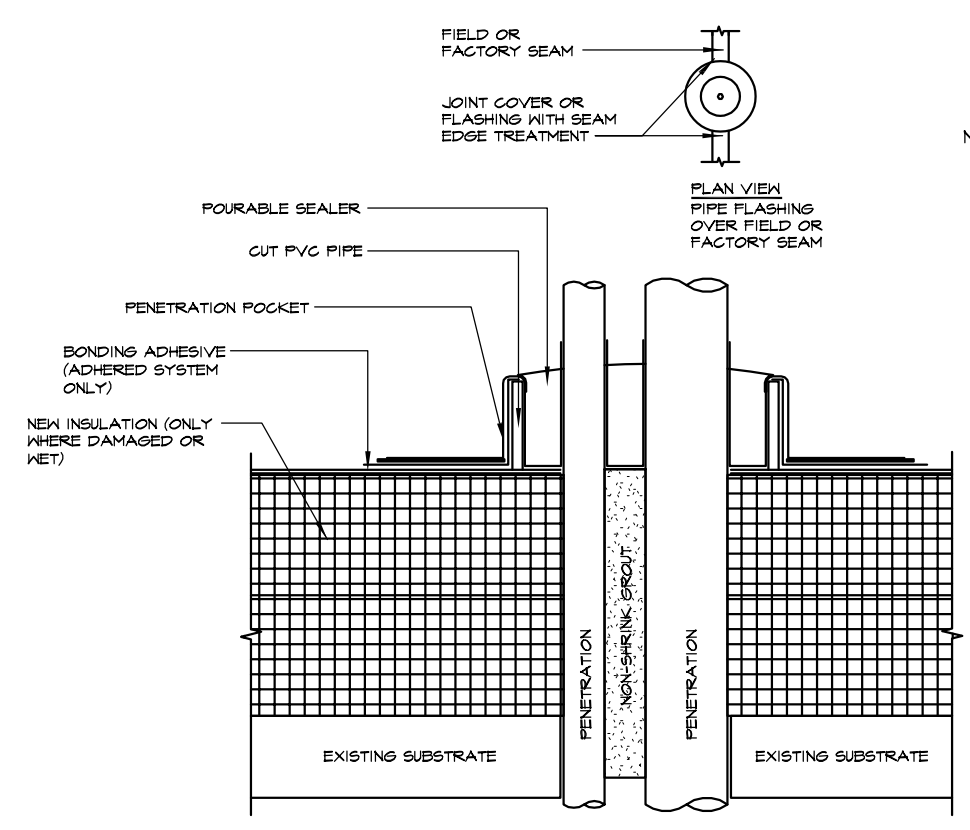


8
A-2.0
ROOF HATCH DETAIL
SCALE: 1" = 1'-0"



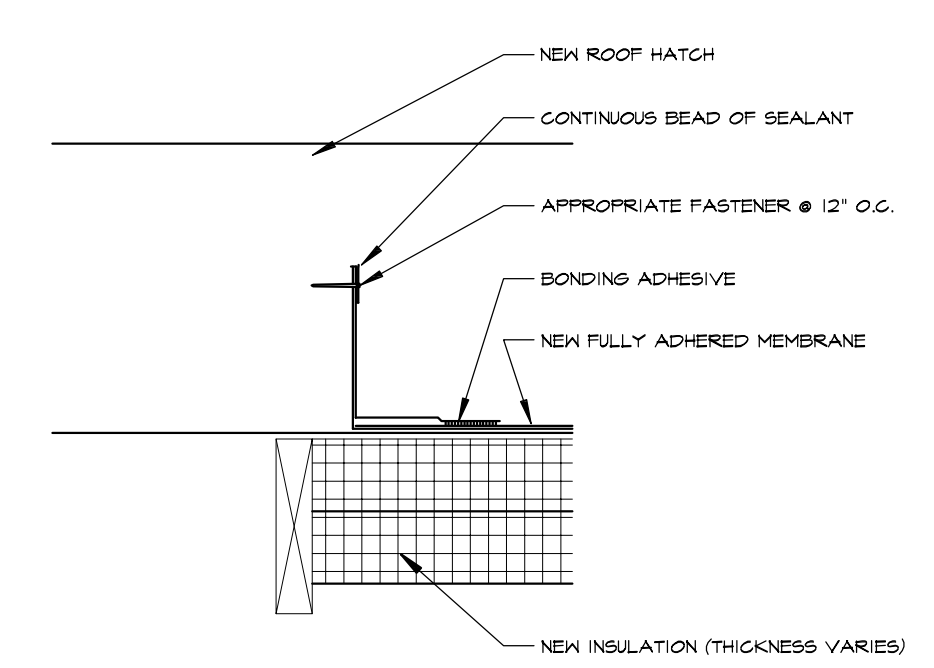
9
A-2.0
ROOF DRAIN DETAIL
SCALE: 12" = 1'-0"

- NOTES (9/A-4.0):
1. HOLE IN MEMBRANE SHOULD EXTEND A MINIMUM OF 1/2" BEYOND CLAMPING RING AND SHOULD NOT BE SMALLER THAN THE DIAMETER OF THE LEADER PIPE.
 2. INSULATION ADJACENT TO DRAIN TO BE APPROPRIATE INSULATION WITH APPROPRIATE BONDING SURFACE.
 3. WATERBLOCK MIN. OF 1001 TUBE PER 4" DRAIN. USE ADDITIONAL WATER BLOCK FOR LARGER DRAINS.
 4. IN REROOF APPLICATIONS:
 - REMOVE EXISTING FLASHING DOWN TO METAL BOVL.
 - REPAIR OR REPLACE BROKEN DRAIN COMPONENTS
 - DRILL AND TAP BROKEN DRAIN BOLTS AND REPLACE IF NECESSARY
- SUMP AREA FIELD SEAM REQUIREMENTS:
- A. IF SEAM EDGE IS WITHIN 4" OF DRAIN COMPRESSION RING, TPO TARGET PATCH REQUIRED.
- B. IF FIELD SEAM EDGE IS WITHIN 4" TO 18" OF DRAIN COMPRESSION RING, HEAT WELD A LAYER OF ULTRAPLY TPO FLASHING (UNSUPPORTED) OR ULTRAPLY TPO MEMBRANE CENTERED OVER SEAM EDGE. FLASHING MUST EXTEND 3" BEYOND EDGE OF SUMP.

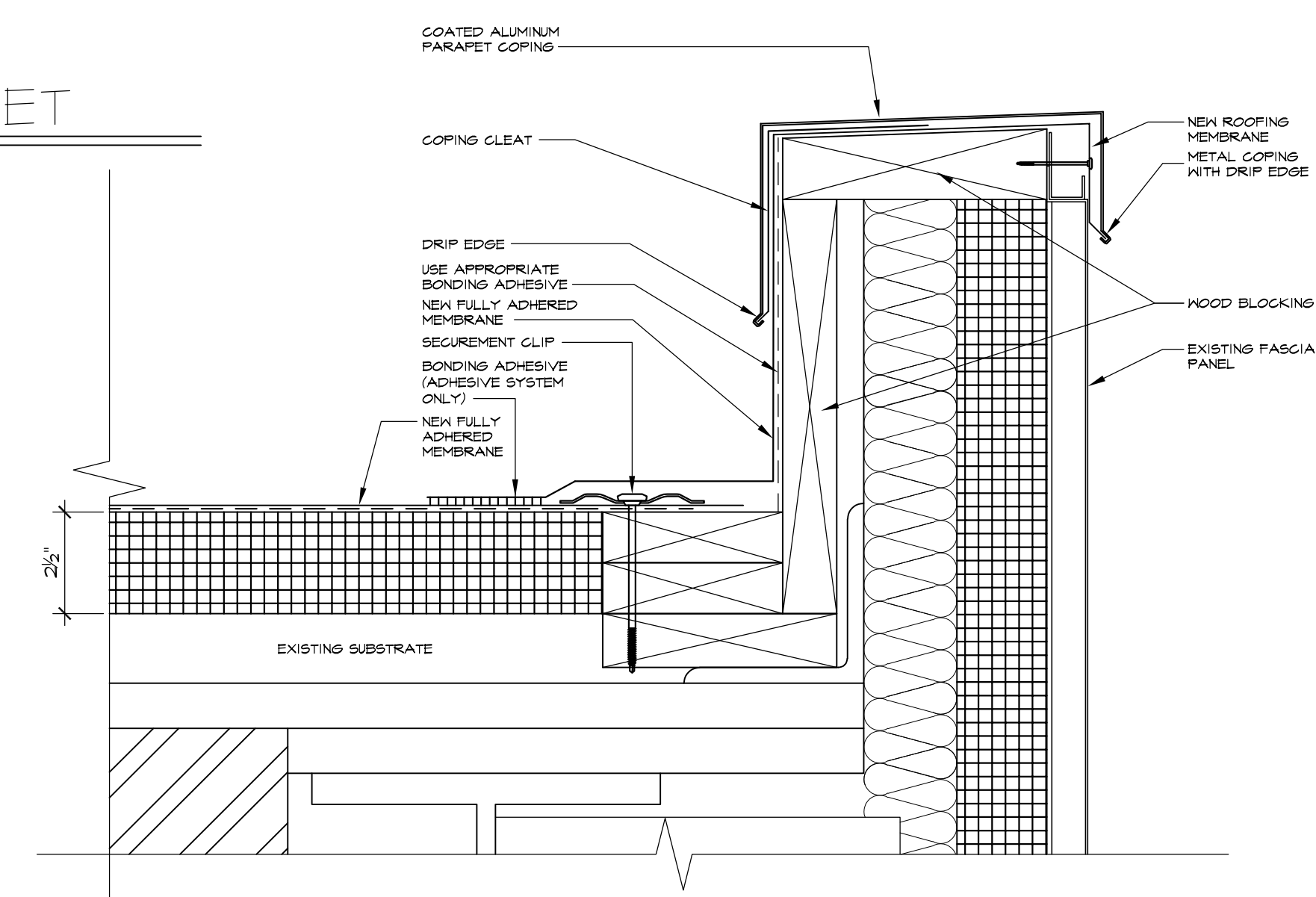


- NOTES (10/A-4.0):
1. REMOVE ALL EXISTING FLASHING, LEAD, ETC. PIPE SURFACE MUST BE FREE OF ALL RUST, GREASE, INSULATION, ETC.
 2. POURABLE SEALER MOUNTED TO SHED WATER. MINIMUM OF 2" REINFORCER OF POCKET MAY BE FILLED WITH NON-SHINK GROUT.
 3. DO NOT USE OVER EXISTING PENETRATION POCKETS.
 4. DO NOT USE WHEN SERVICE LIN TEMP. EXCEEDS 180 DEGREES.
 5. IF FIELD MEMBRANE IS CUT FOR INSTALLATION THE MEMBRANE MUST BE REPAIRED WITH PVC MEMBRANE PRIOR TO INSTALLATION OF THE PENETRATION POCKET.
 6. MEMBRANE MUST BE INSTALLED WITHIN 5' OF PENETRATION.
 7. PLUS REQUIRED ON PENETRATIONS AND MEMBRANE INSIDE OF PENETRATION POCKET.

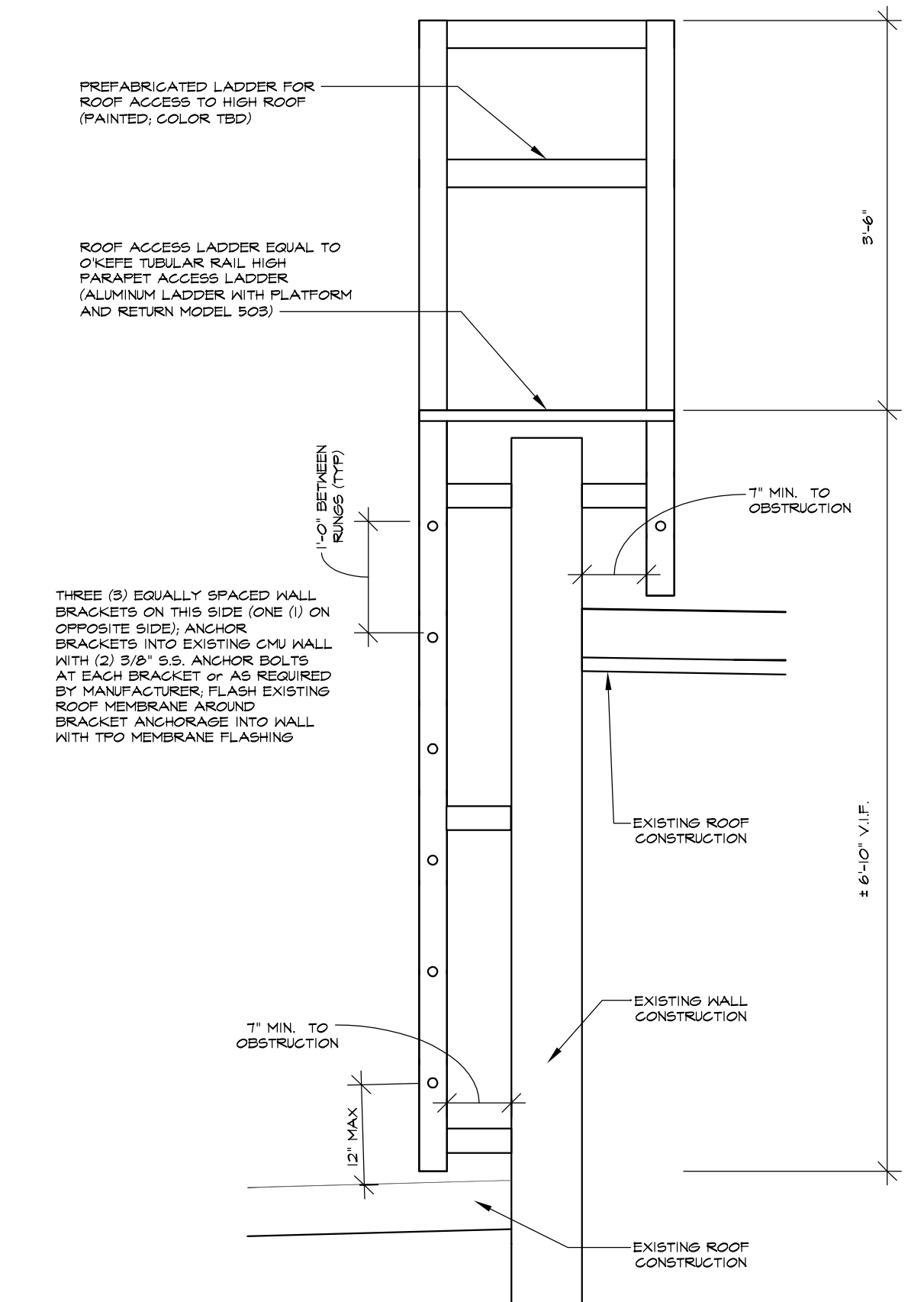
10
A-2.0
ROOF PENETRATION POCKET
SCALE: 3" = 1'-0"



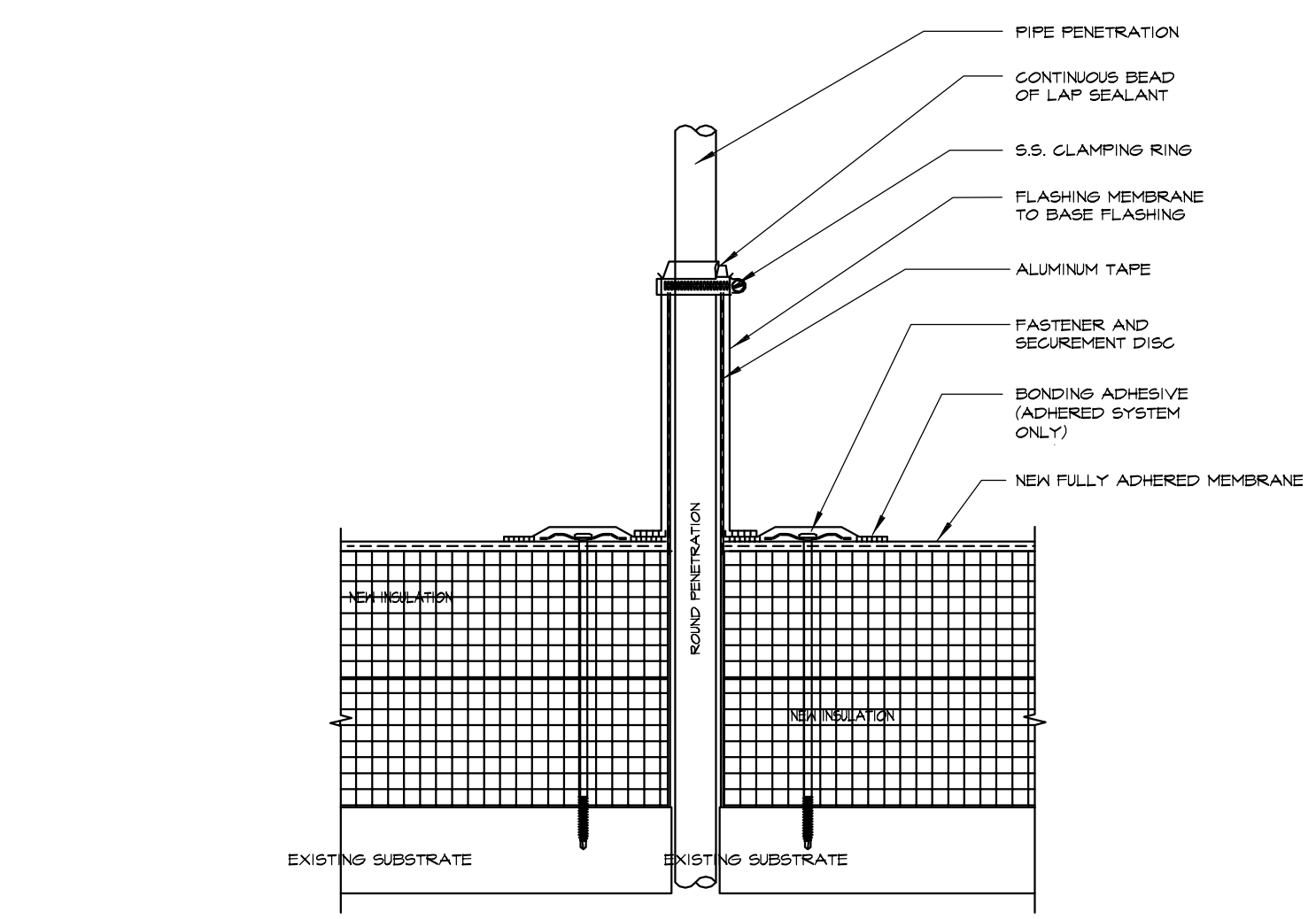
12
A-2.0
SECTION AT ROOF HATCH
SCALE: 1 1/2" = 1'-0"



14
A-2.0
ROOF EDGE DETAIL
SCALE: 3" = 1'-0"



13
A-2.0
NEW LADDER DETAIL
SCALE: 3/4" = 1'-0"



11
A-2.0
PIPE PENETRATION
SCALE: 3" = 1'-0"

ROOF REPLACEMENT AND REPAIRS			
ARCHITECT	OWNER	CONTRACTOR	BIDDING CO.
1919 ARCHITECTS	520 N. PIERPONT AVE. ROCKFORD, IL 61103	ROB JMK	ROB JMK
Rev. Date	Project Number	Date	Drawn
	21-15410	01-12-2022	100
Sheet No:	A-2.0		