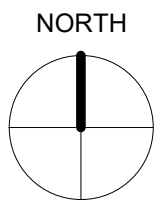
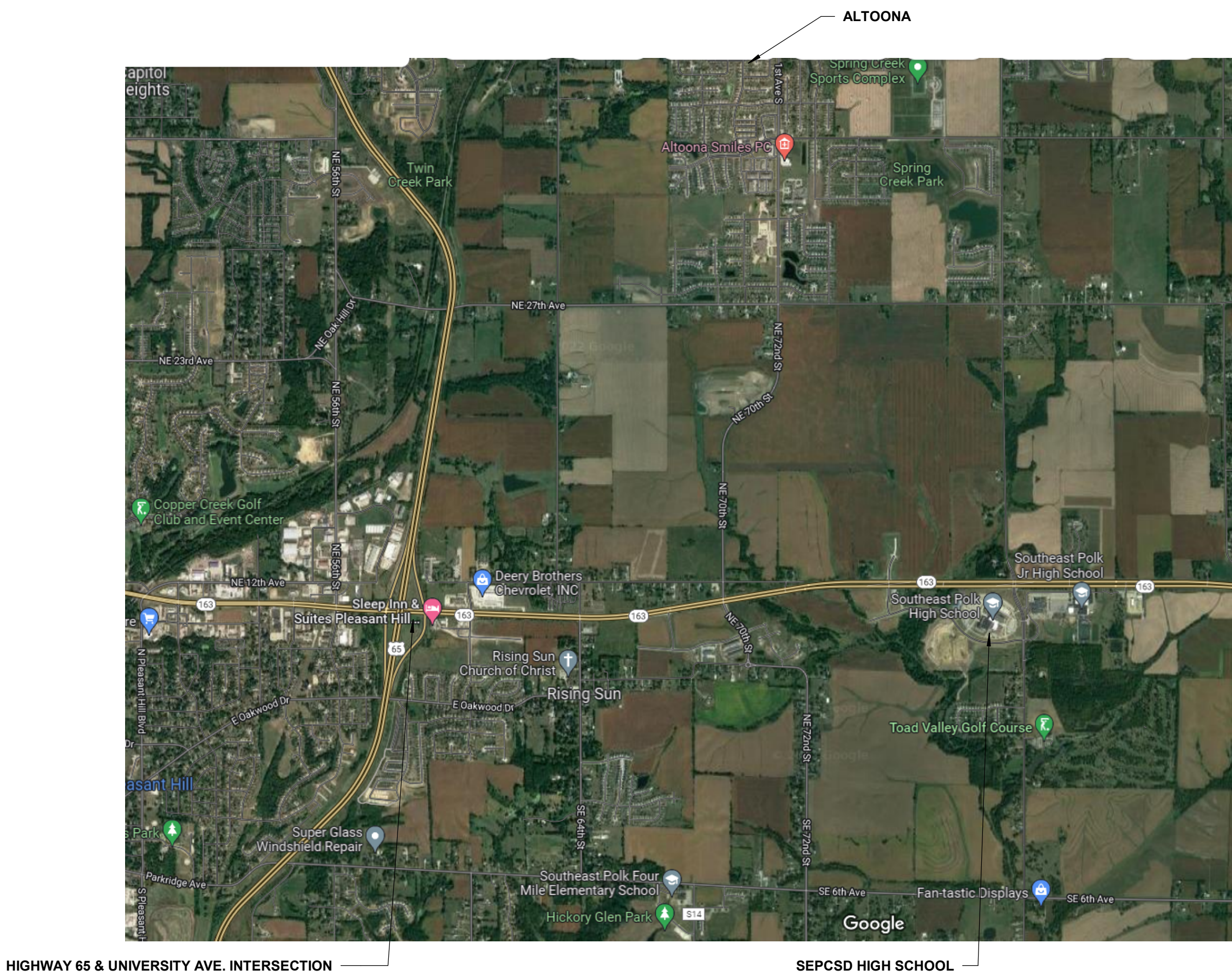
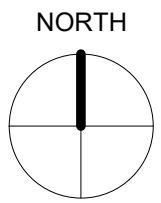
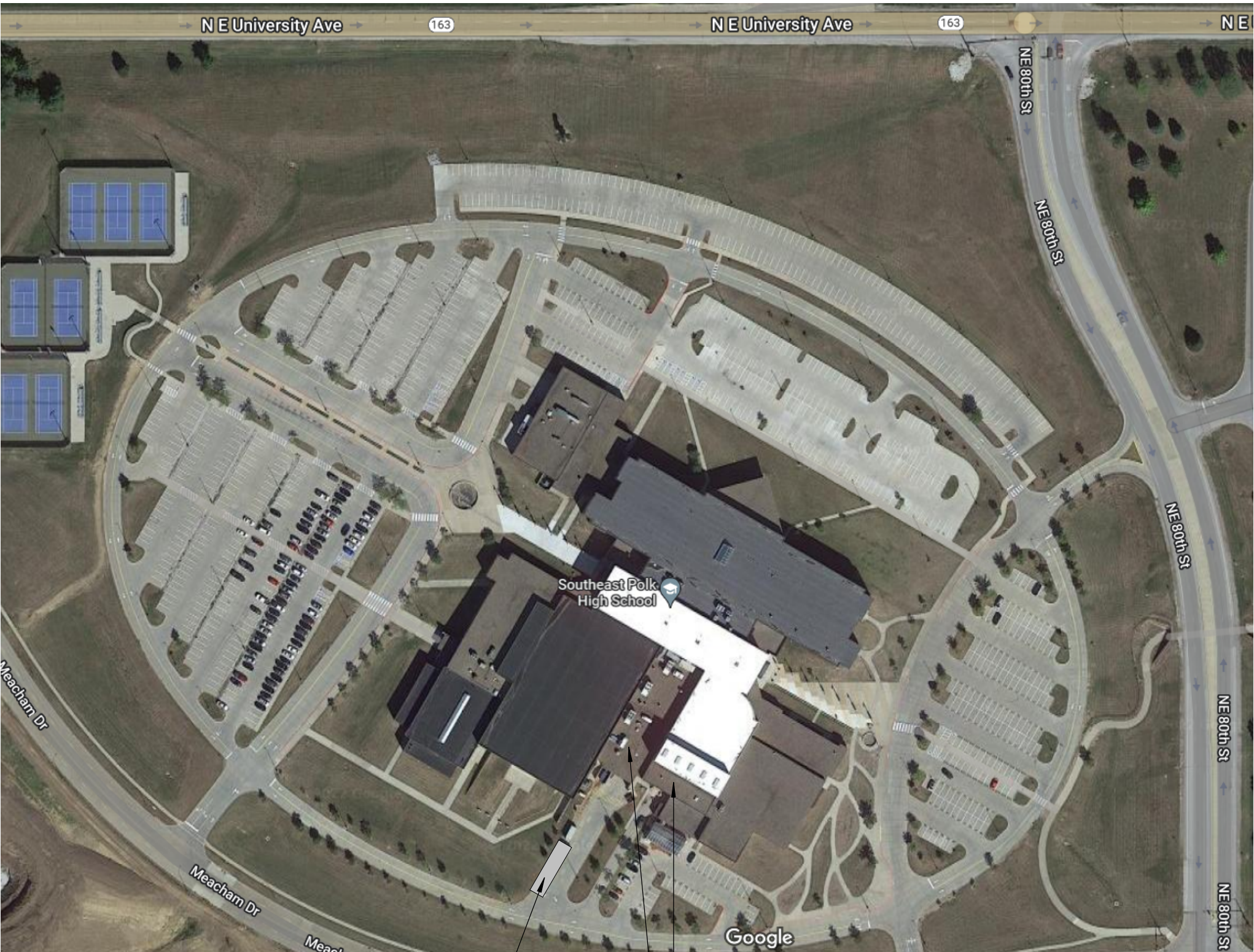


SEPCSD - 2024 ROOF REPLACEMENTS

SOUTHEAST POLK COMMUNITY SCHOOL DISTRICT



4B LOCATIONAL MAP



6B SEPCSD HIGH SCHOOL - 7945 NE UNIVERSITY AVE., PLEASANT HILL, IA

SHEET INDEX

SHEET LIST	
SHEET	NAME
GENERAL	
G.000	COVER SHEET
ARCHITECTURAL	
A.101	ROOF PLAN - HIGH SCHOOL
A.500	DETAILS - HIGH SCHOOL

CERTIFICATIONS

ARCHITECT

	I HEREBY CERTIFY THAT THE PORTION OF THIS TECHNICAL SUBMISSION DESCRIBED BELOW WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND RESPONSIBLE CHARGE. I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF IOWA. (IOWA PROFESSIONAL ARCHITECTS BOARD)	
	SIGNATURE	DATE
	PRINTED OR TYPED NAME Phillip J. Parrott	
	LICENSE NUMBER 03601	
	MY LICENSE RENEWAL DATE IS JUNE 30, 2025	
PAGES, SHEETS OR DIVISIONS COVERED BY THIS SEAL		
G000 & ALL "A" SHEETS		

SEPCSD - 2024 ROOF REPLACEMENTS

PRELIMINARY
- NOT FOR
CONSTRUCTION

ISSUED FOR: REVIEW
PROJECT ISSUE DATE: 01/26/2024

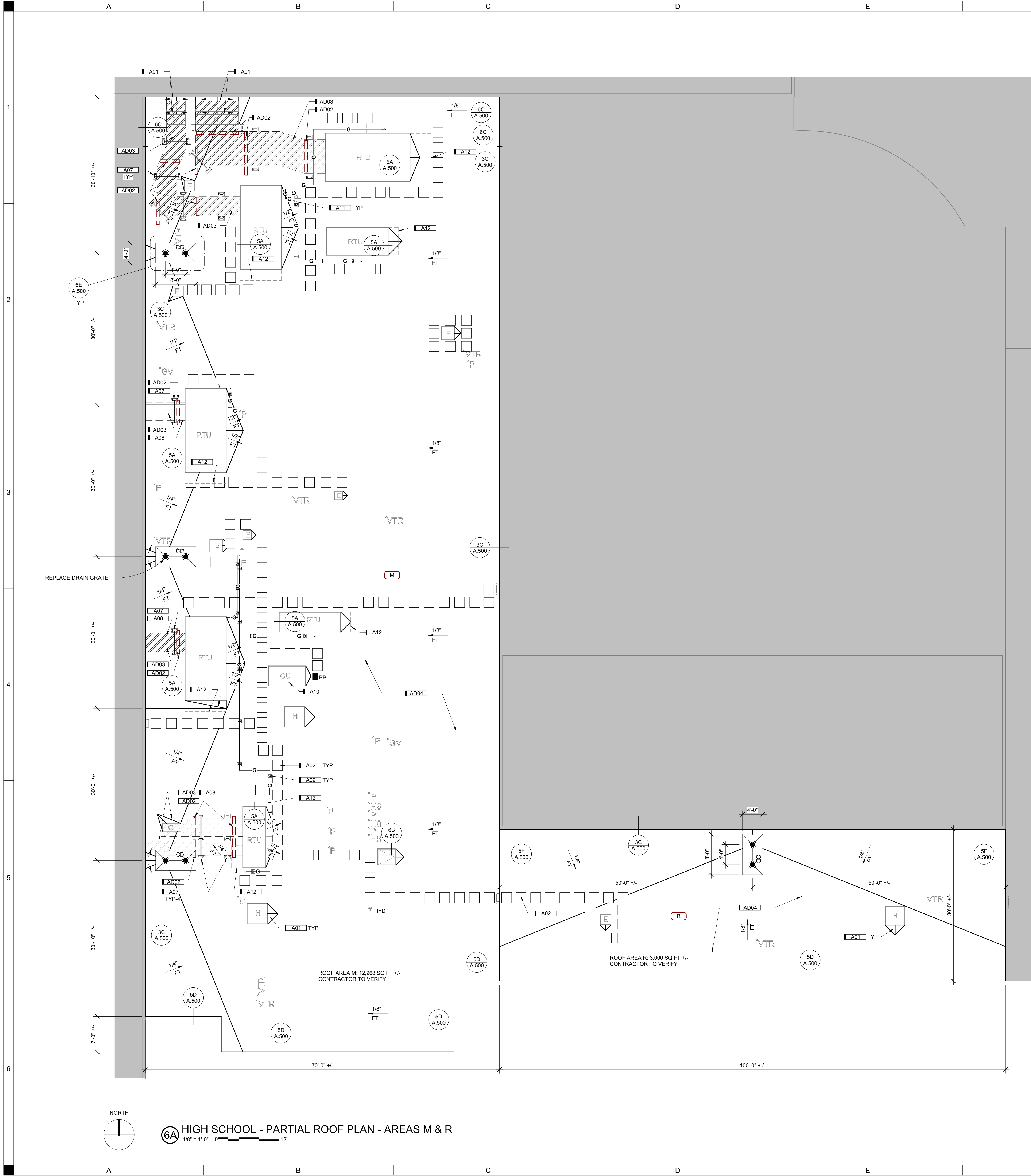
G.000

PROJECT NUMBER: 2142305670

SOUTHEAST POLK COMMUNITY SCHOOL DISTRICT

SHIVE-HATTERY
ARCHITECTURE+ENGINEERING

800.798.0315 | SHIVE-HATTERY.COM



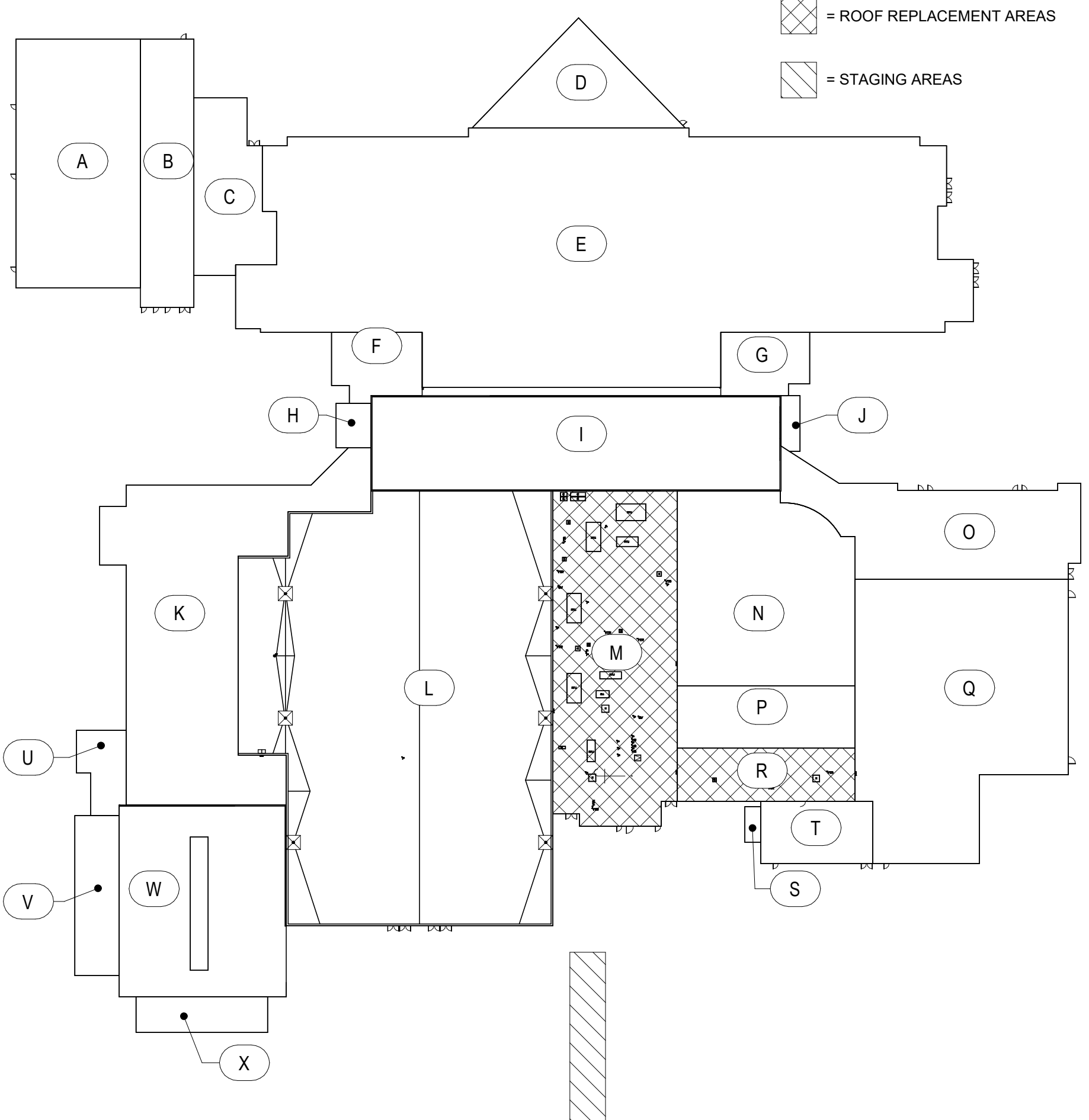
ROOF LEGEND		
PLAN MARK	DESCRIPTION	REFERENCE
1/2" FT	TAPERED INSULATION	N/A
STRUCT	STRUCTURAL SLOPE	N/A
X	WALK PADS - NEW	A02 TYP
X	DESIGNATES ROOF TYPE. SEE ROOF NOTES.	N/A
A##	KEYNOTES	N/A
1 A1.0	DESIGNATES DETAIL MARK SEE DETAIL 1 ON SHEET A1.0	N/A
L	LADDER	N/A
—	ROOF EDGE	REFER TO ROOF PLAN
—	PARAPET WALL	REFER TO ROOF PLAN
OD	PRIMARY ROOF DRAIN & SECONDARY OVERFLOW ROOF DRAIN W/ SUMP	DETAIL 6E/A.500
VTR	VENT THROUGH ROOF	DETAIL 3G/A.500
E	EXHAUST FAN ON CURB	DETAIL 3E/A.500
P	PIPE PENETRATION	DETAIL 3G/A.500
H	RELIEF HOOD ON CURB	DETAIL 3E/A.500
GV	GOOSENECK VENT	DETAIL
HS	HOT STACK	DETAIL
HYD	NON-FREEZE HYDRANT	DETAIL 3G/A.500
C	CONDUIT PENETRATION	DETAIL 3G/A.500
PP	PENETRATION POCKET	DETAIL 3A/A.500
RTU	ROOF TOP UNIT ON CURB	REFER TO ROOF PLAN
G	GAS PIPE ON SUPPORTS	A09
	AREA NOT IN CONTRACT	N/A

KEYNOTES	
KEY	NOTE
A01	ALL TAPERED INSULATION USED TO CREATE ADEQUATE DRAINAGE BEHIND MECHANICAL UNITS AND FOR CRICKETS/SADDLES SHALL BE SLOPED AT 1/2" FT
A02	FURNISH AND INSTALL MANUFACTURER APPROVED WALKWAY PADS IN INDICATED LOCATIONS
A07	PROVIDE DUCT SUPPORTS: MODEL 6DS MIRO INDUSTRIES, INC OR EQUIVALENT. FURNISH AND INSTALL A MEMBRANE SLIP SHEET UNDER SUPPORT DURING INSTALLATION
A08	REINSTALL EXISTING DUCTWORK & RESEAL ALL DUCT JOINTS AFTER ROOF WORK COMPLETE
A09	FURNISH AND INSTALL NEW GAS LINE SUPPORTS: MODEL 5-RAH-8 BY MIRO INDUSTRIES, INC OR EQUIVALENT. FURNISH AND INSTALL A MEMBRANE SLIP SHEET UNDER SUPPORT DURING INSTALLATION
A10	INCREASE HEIGHT OF CONDENSING UNIT CURB. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTRACTING W/ MECHANICAL CONTRACTOR TO RAISE EQUIPMENT & ADJUST PIPING AS REQUIRED
A11	RAISE GAS PIPING AS REQUIRED TO 6" MIN ABOVE NEW ROOF SYSTEM
A12	RTU INTAKE HOOD ABOVE
AD02	REMOVE EXISTING CURB RAIL ENTIRELY. PROVIDE TEMP SUPPORT IF REQUIRED
AD03	REMOVE EXISTING DUCTWORK FOR NEW WORK. SALVAGE FOR REINSTALLATION. ENSURE THAT DUST AND DEBRIS ARE PREVENTED FROM ENTERING THE EXISTING HVAC SYSTEM/DUCTWORK. DUCTWORK REMOVAL EXTENTS IS PER CONTRACTORS DISCRETION
AD04	REMOVE EXISTING BALLAST ENTIRELY

- ROOF PLAN NOTES**
- ROOF PLAN LAYOUT, LOCATION, AND SECTIONS WERE TAKEN FROM EXISTING FIELD CONDITIONS. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS.
 - THE EXACT LOCATION AND ELEVATION OF ALL PUBLIC UTILITIES MUST BE DETERMINED BY THE CONTRACTOR. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ASCERTAIN WHETHER ANY ADDITIONAL UTILITIES OTHER THAN THOSE SHOWN ON THE PLANS MAY BE PRESENT.
 - REMOVE EXISTING ROOF SYSTEMS DOWN TO THE EXISTING METAL DECK.
 - REMOVE EXISTING SHEET METAL, UNLESS NOTED OTHERWISE, AND REPLACE WITH NEW AS PLANS SHOW. ALL PERIMETER WOOD BLOCKING SHALL BE OF UNIFORM HEIGHT AND OF A MINIMUM HEIGHT TO MATCH THE THICKNESS OF THE NEW INSULATION SYSTEM. THE CONTRACTOR SHALL VERIFY HEIGHT OF ALL WOOD BLOCKING.
 - FIELD VERIFY ALL DIMENSIONS OF BUILDING AND DRAIN LOCATIONS BEFORE ORDERING TAPERED INSULATION MATERIALS. SUBMIT TAPERED INSULATION LAYOUT PLAN. SEE SPECIFICATION SECTION 07 22 00 FOR SYSTEM DESCRIPTION.
 - ALL EXISTING METAL HOODS, VENTS, CAPS, ETC., REMOVED AND REINSTALLED DURING CONSTRUCTION SHALL BE PROPERLY REFASTENED TO PROVIDE WATERTIGHT CONDITIONS.
 - RAISE ALL CURBS AND VENTS WHICH DO NOT MEET THE 8" MINIMUM FLASHING HEIGHT REQUIREMENT.
 - FLASH ALL SCUPPERS, CURBS, VENTS AND STACKS AS SHOWN IN PLAN. REFER TO MANUFACTURER'S STANDARD DETAILS AND RECOMMENDATIONS FOR ANY MISCELLANEOUS DETAILS NOT SHOWN IN THE PLANS.
 - USE OF MANUFACTURER-APPROVED PENETRATION POCKET WILL NOT BE PERMITTED UNLESS APPROVAL IS OBTAINED IN WRITING FROM SHIVE-HATTERY, INC. PRIOR TO INSTALLATION.
 - PROVIDE DISCONNECT AND RECONNECT OF MECHANICAL AND ELECTRICAL EQUIPMENT AS REQUIRED TO ACCOMMODATE INSTALLATION OF NEW ROOF SYSTEM AND INCREASE IN HEIGHT OF CURB. VERIFY EQUIPMENT IS OPERATIONAL WHEN WORK IS COMPLETE. COORDINATE THIS WORK WITH THE OWNER.
 - MAINTAIN WATER TIGHT CONDITIONS AT ALL TIMES DURING CONSTRUCTION.
 - PROTECT ROOF SYSTEM ON THE BUILDING. A MINIMUM LAYER OF 1.5" INSULATION WITH A LAYER OF 1/2" PLYWOOD SHALL BE LAID OVER THE ROOF SYSTEM IN A CONTINUOUS FASHION AS WORK PROGRESSES AROUND THE BUILDING. ANY DAMAGE TO THE ROOF SYSTEM WILL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR.
 - PROTECT AND REPAIR OF ANY DAMAGE CAUSED DURING CONSTRUCTION TO THE SURROUNDING GROUNDS. (GRASS, CONCRETE, ETC.)
 - RAISE OR LOWER EXISTING ROOF DRAINS TO FACILITATE THE INSTALLATION OF NEW INSULATION SYSTEM.
 - REPLACE ANY DAMAGED BROKEN OR MISSING DRAIN GRATES, CLAMPING RINGS AND BOLTS WITH NEW. NEW DRAIN PARTS SHALL MATCH EXISTING DRAIN DESIGN. NEW DRAIN GRATES SHALL BE METAL. EXISTING PLASTIC DRAIN GRATES SHALL BE REPLACED WITH METAL DRAIN GRATES. ALL DRAINS SHALL BE TESTED AND MADE OPERATIONAL PRIOR TO COMPLETION OF PROJECT.
 - PRIOR TO BID, CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING EXISTING ROOF SYSTEM CORE OF FULLY ADHERED EPDM MEMBRANE OVER POLYISOCYANURATE INSULATION SYSTEM W/ 1/8" SLOPED OVER EXISTING 1 1/2" METAL DECK.
 - KEYNOTE LIST IS SPECIFIC TO THIS SHEET.
 - ALL MECHANICAL WORK SHOULD BE CONTRACTED W/ AIR-CON MECHANICAL CORPORATION (515) 243-5500, WHO DOES ALL SEPCSD MAINTANANCE WORK.

ROOF TYPES: ☒ X

ROOF LEVEL "M & R"
60 MIL PVC FULLY ADHERED
25" DENSDECK PRIME
TAPERED POLYISOCYANURATE INSULATION 1/4" SLOPE, 2.5" START (AVERAGE R-30 MIN)
VAPOR BARRIER
EXISTING METAL DECK



6F HIGH SCHOOL ROOF KEY PLAN
1/8" = 1'-0" 0' 10'

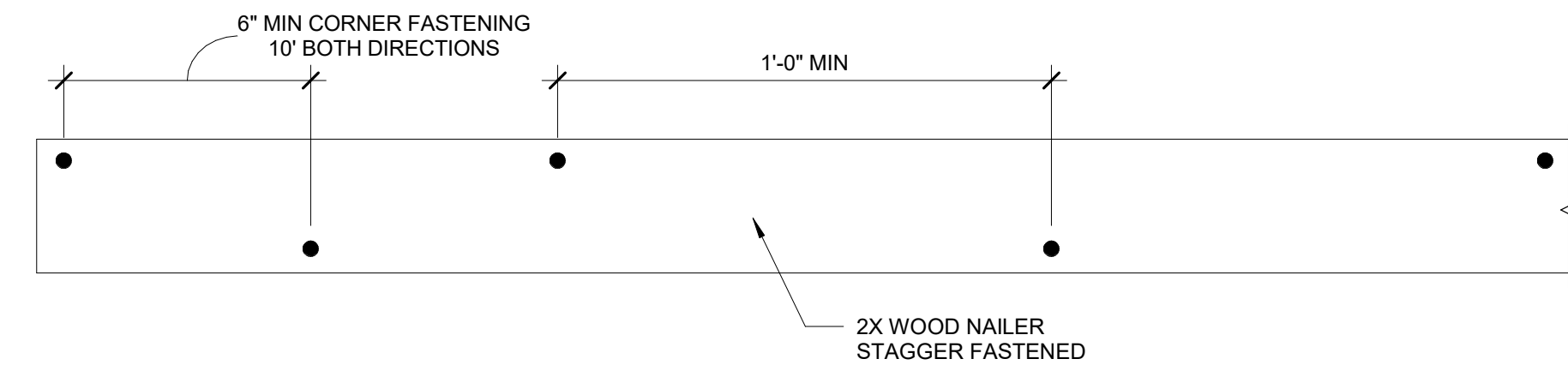
SEPCSD - 2024 ROOF REPLACEMENTS

**PRELIMINARY
- NOT FOR
CONSTRUCTION**

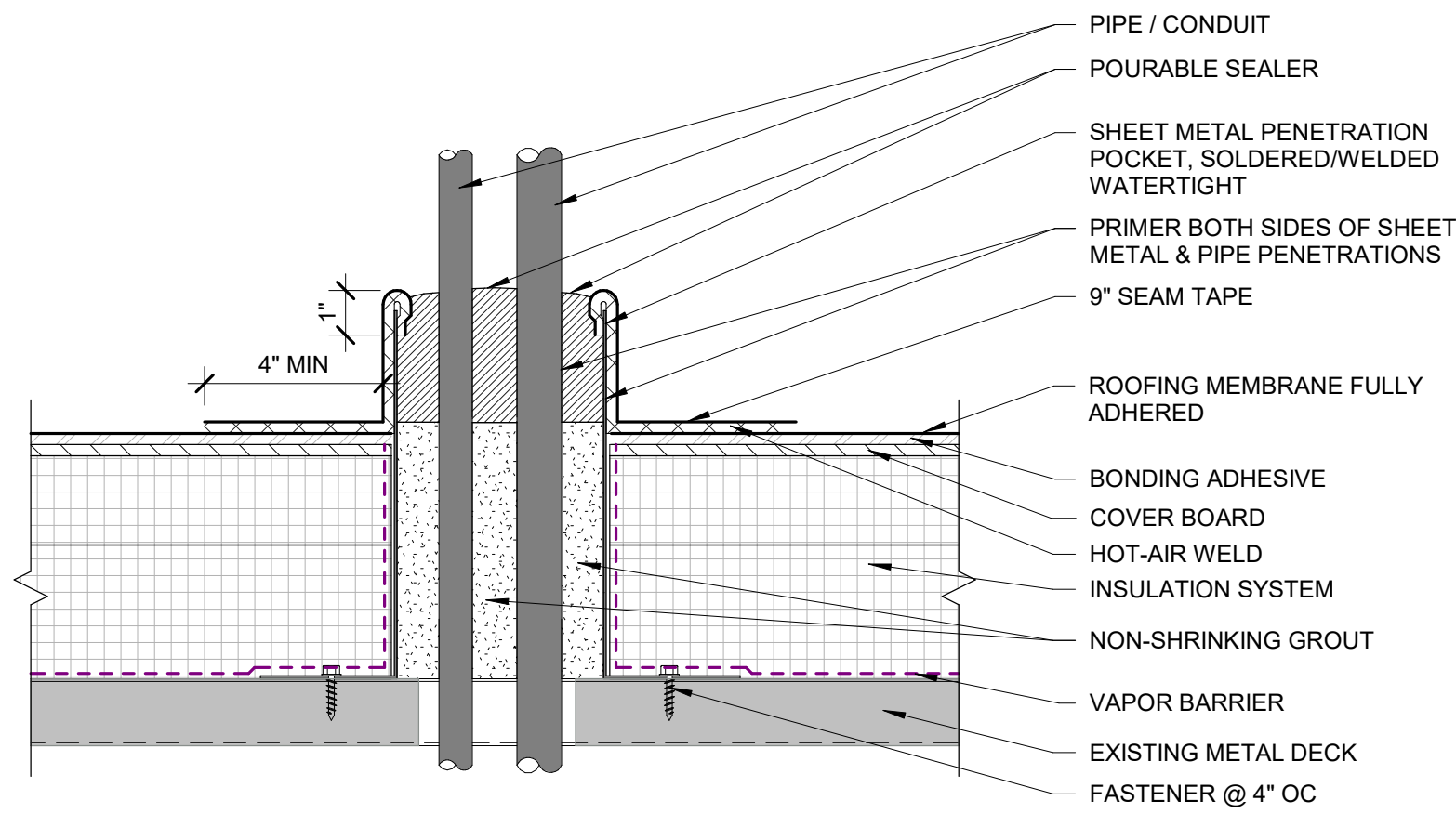
DRAWN BY	EP
APPROVED BY	PJP
ISSUED FOR	REVIEW
ISSUE DATE	01/25/2024
PROJECT NUMBER	2142305670
FIELD BOOK	

**ROOF PLAN -
HIGH SCHOOL**

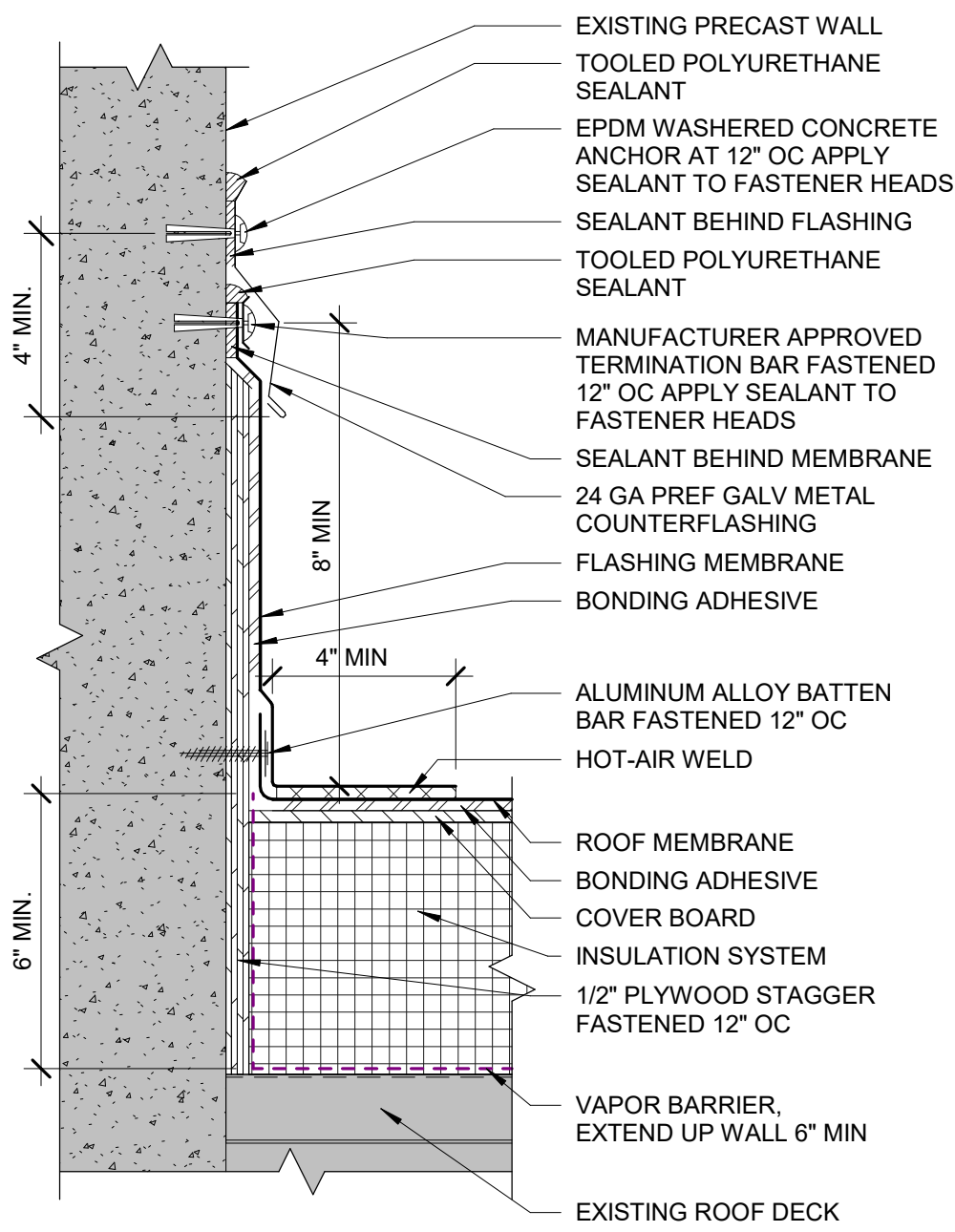
A.101



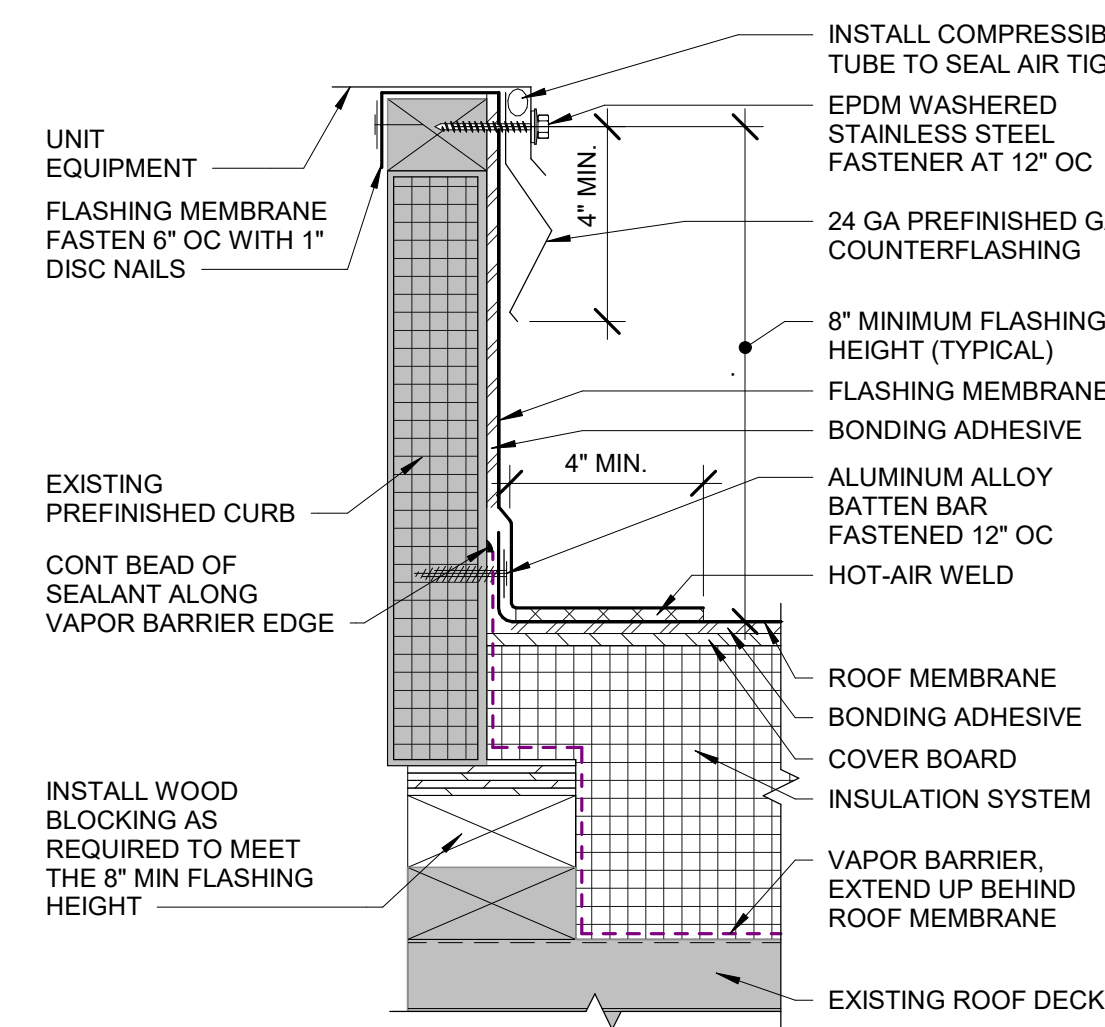
1F PLAN VIEW - TYPICAL WOOD NAILER FASTENING
3" = 1'-0" 0 6"



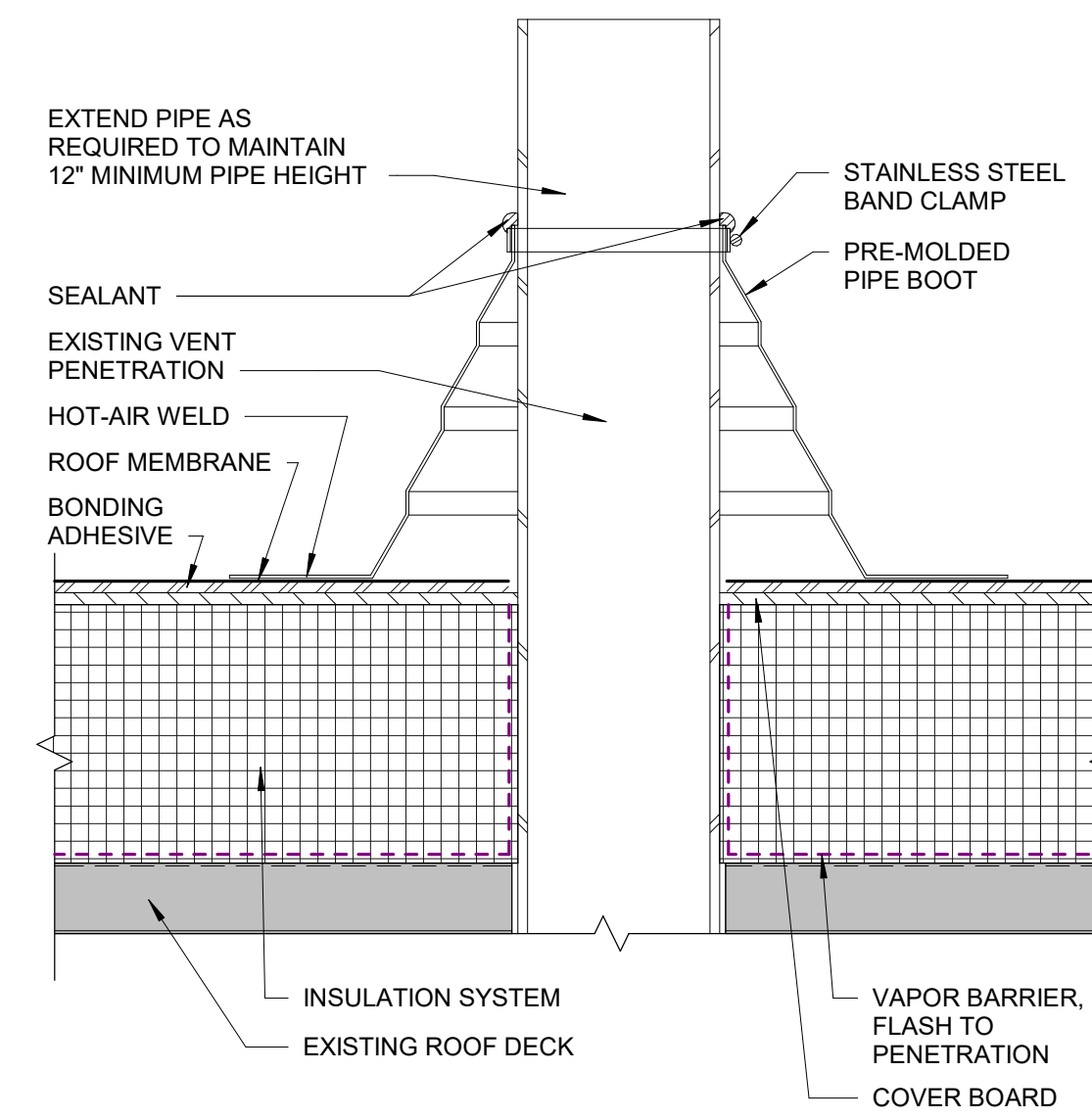
3A ROOF PENETRATION POCKET
3" = 1'-0" 0 6"



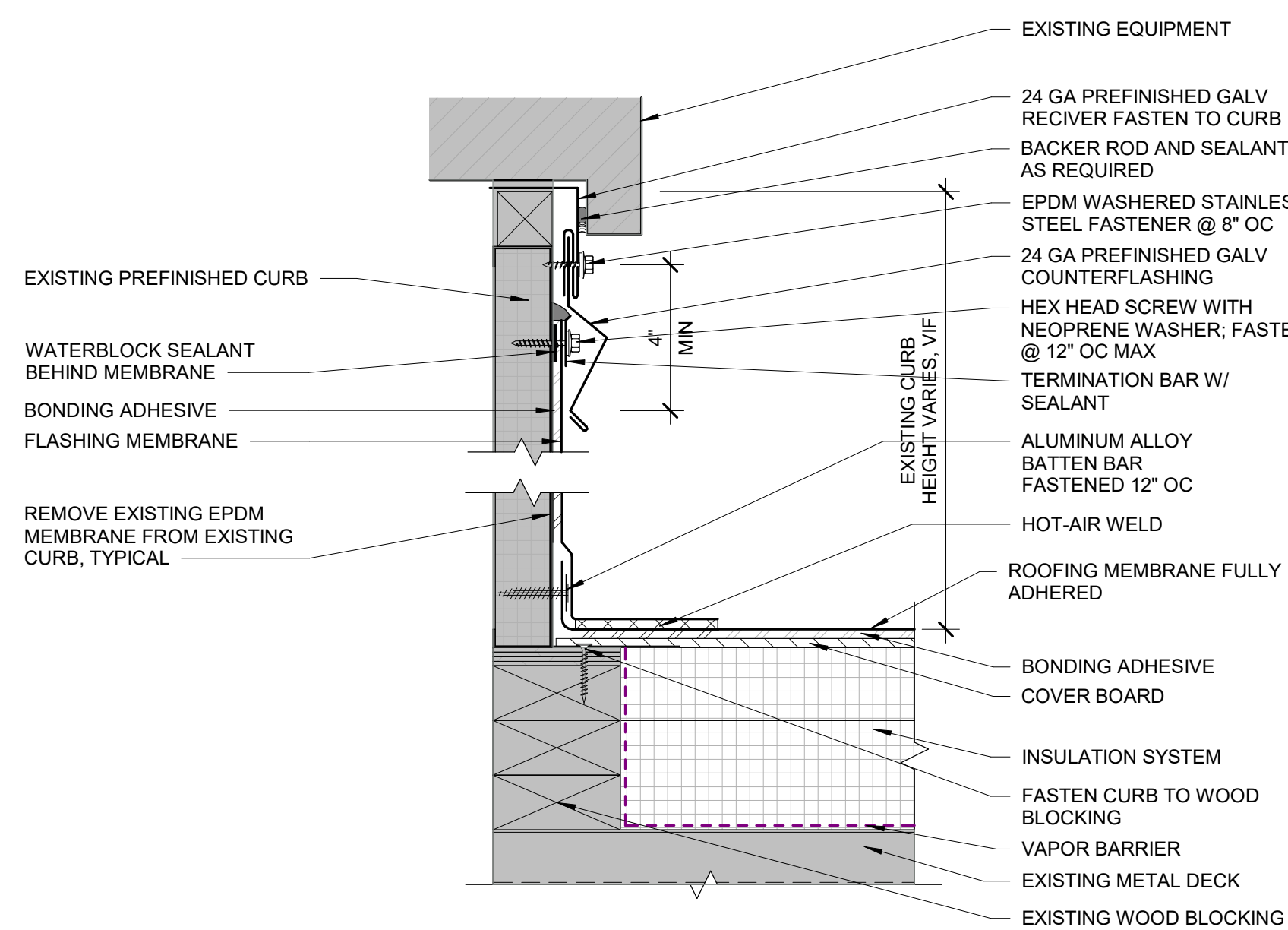
3C WALL FLASHING DETAIL
3" = 1'-0" 0 6"



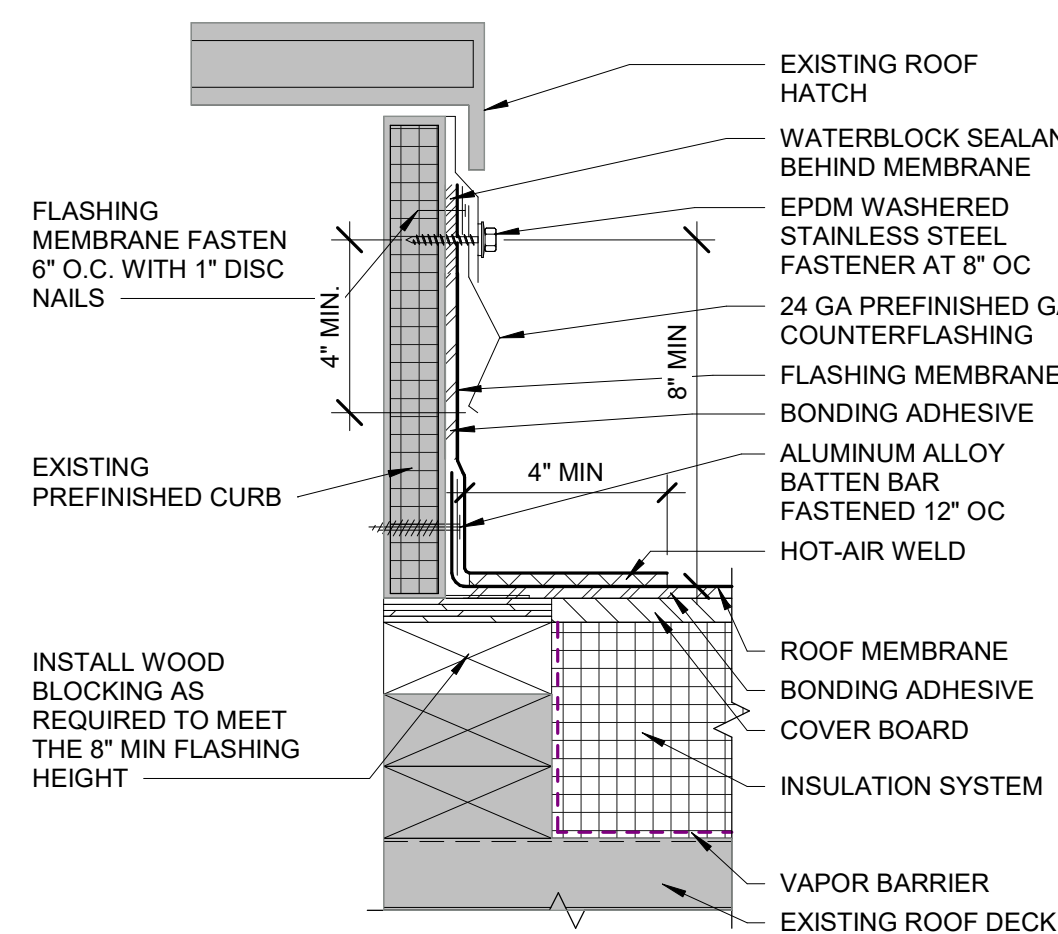
3E ROOF CURB DETAIL - FOR REMOVABLE EQUIPMENT
3" = 1'-0" 0 6"



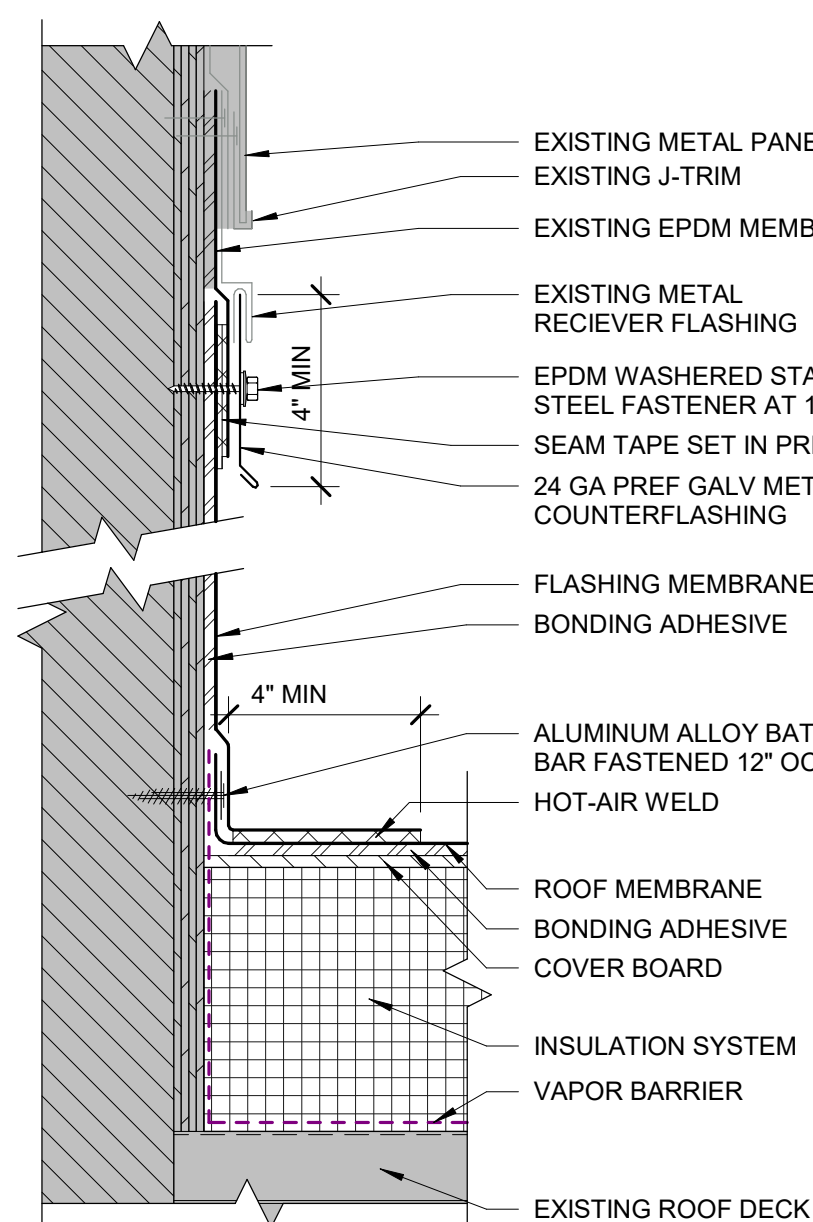
3C PIPE BOOT DETAIL
3" = 1'-0" 0 6"



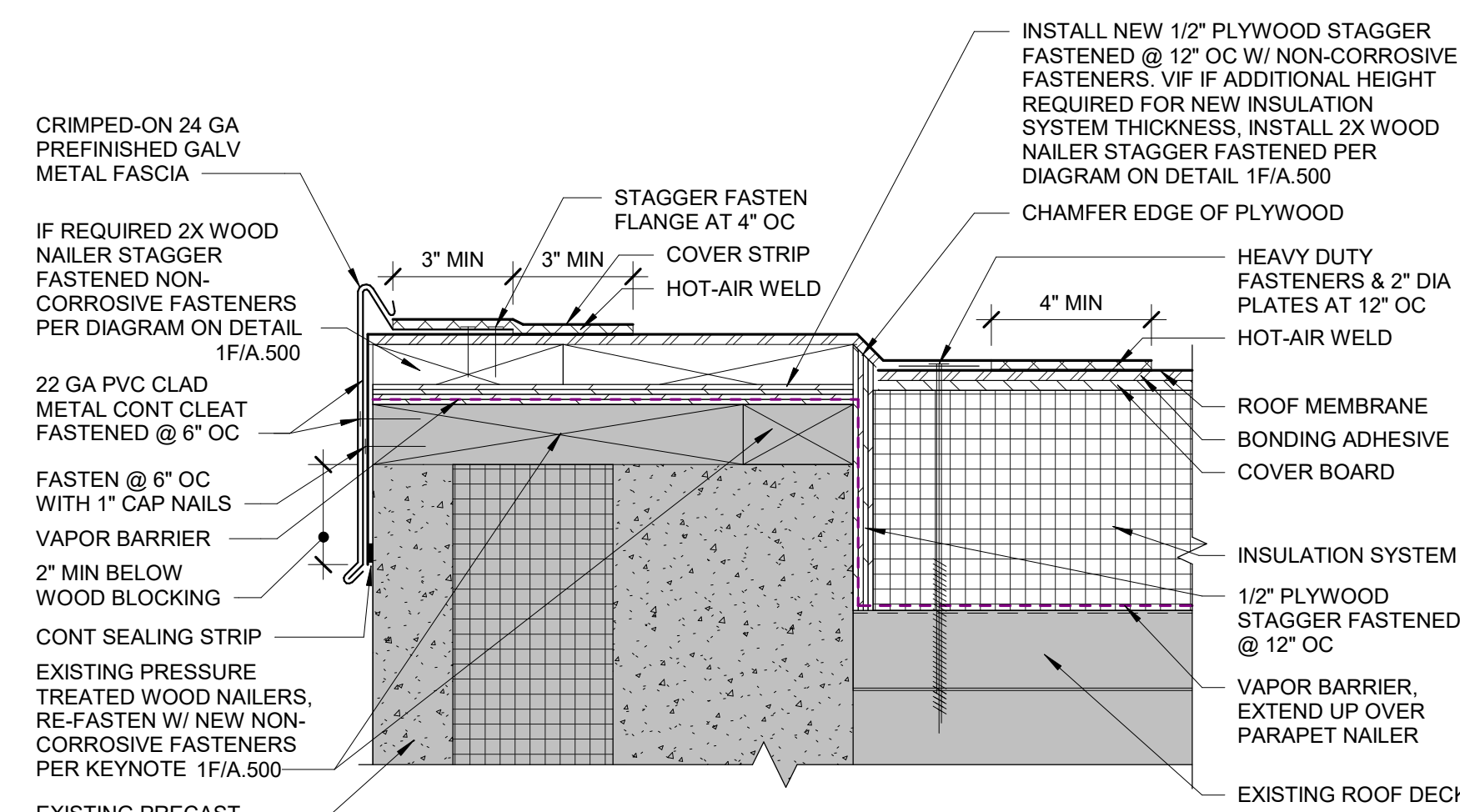
5A ROOF CURB DETAIL - FOR EQUIPMENT CANNOT BE LIFTED
3" = 1'-0" 0 6"



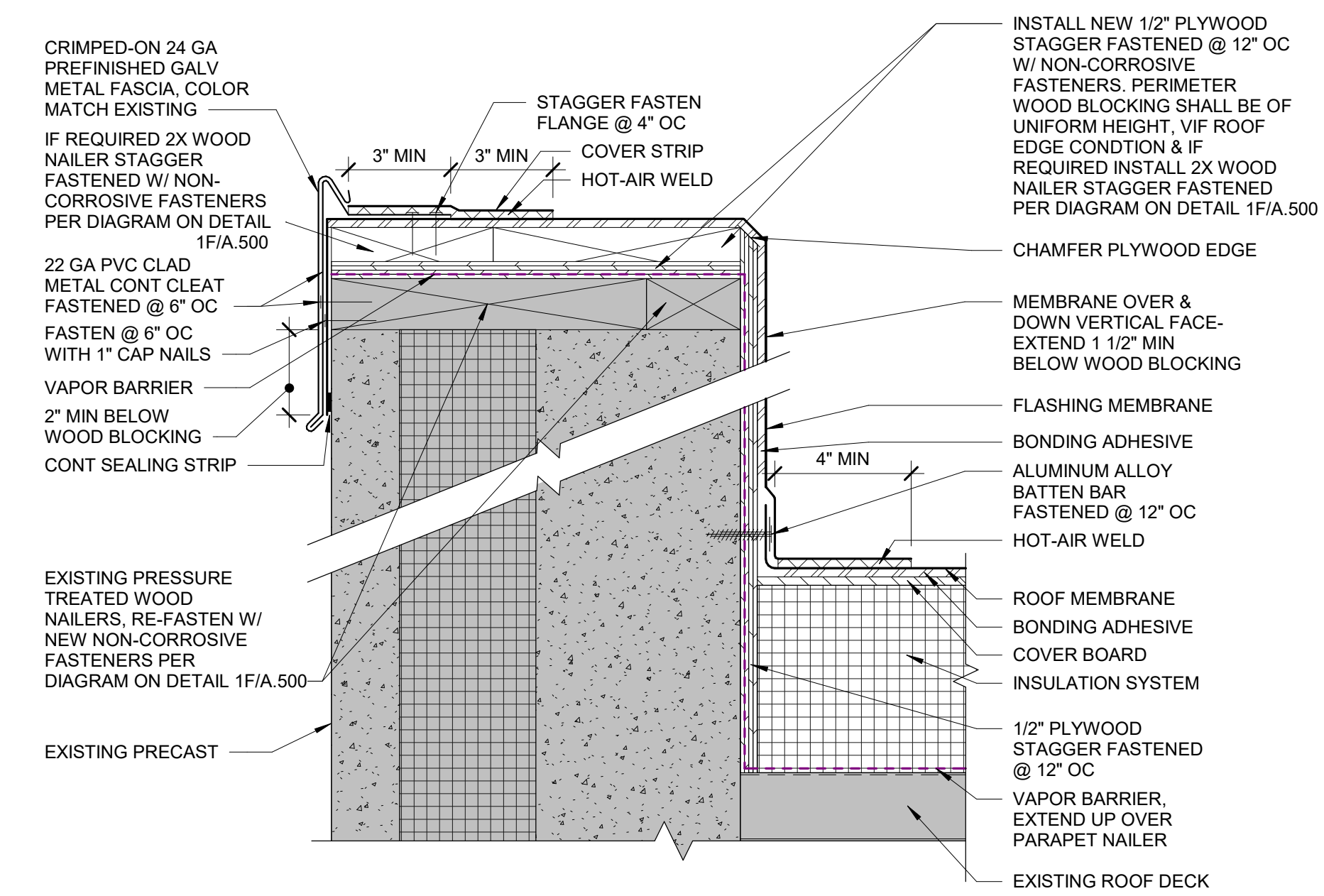
6B ROOF HATCH DETAIL
3" = 1'-0" 0 6"



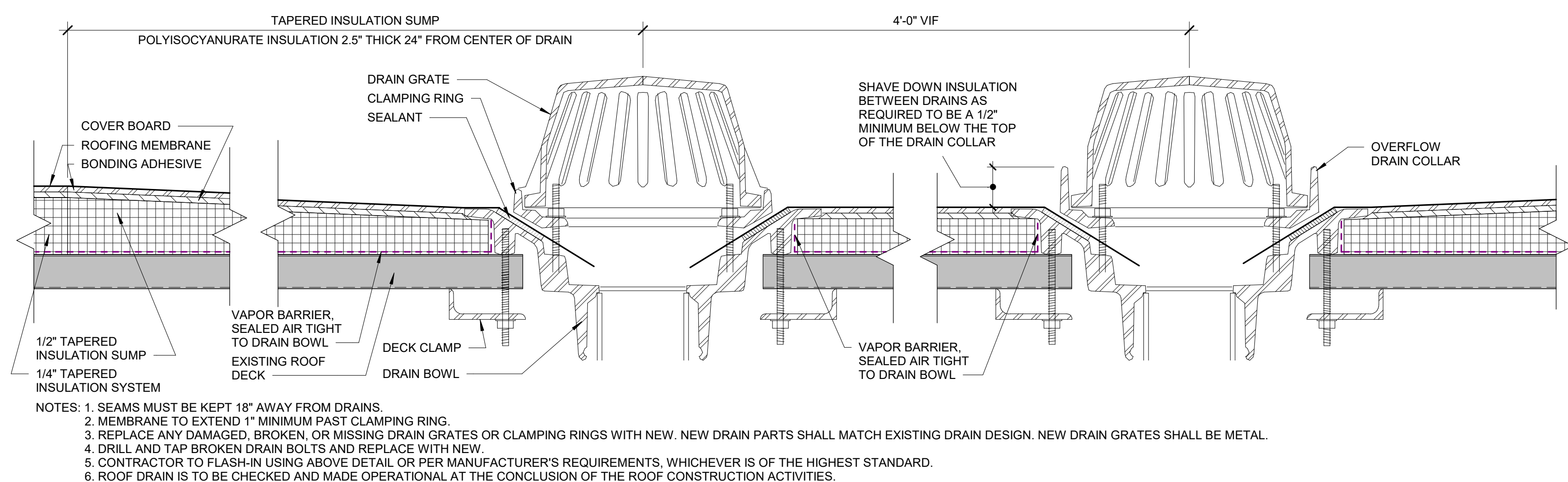
6C WALL FLASHING DETAIL
3" = 1'-0" 0 6"



5D ROOF EDGE DETAIL
3" = 1'-0" 0 6"



5F PARAPET DETAIL
3" = 1'-0" 0 6"



6E ROOF & OVERFLOW ROOF DRAIN
3" = 1'-0" 0 6"