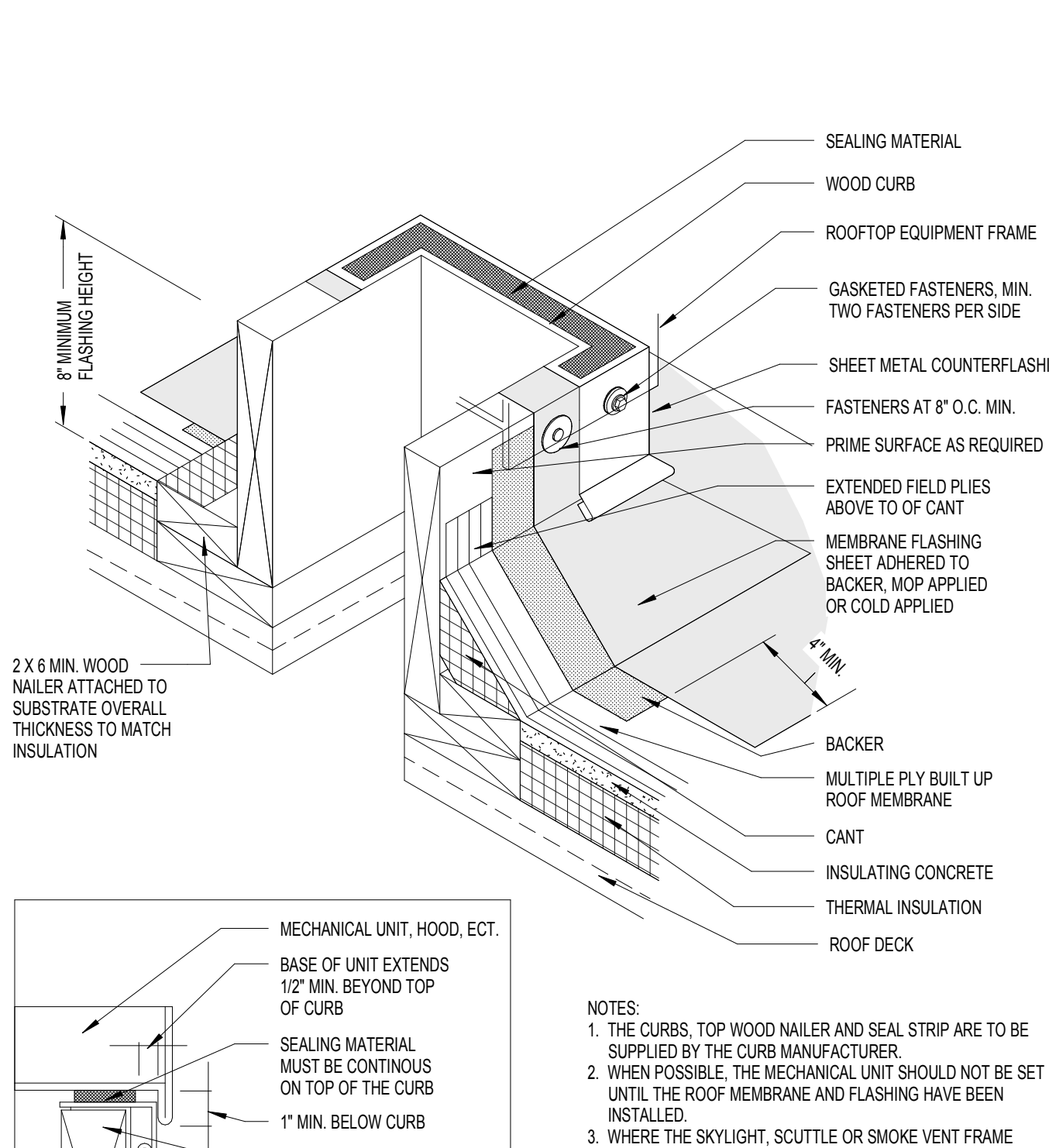


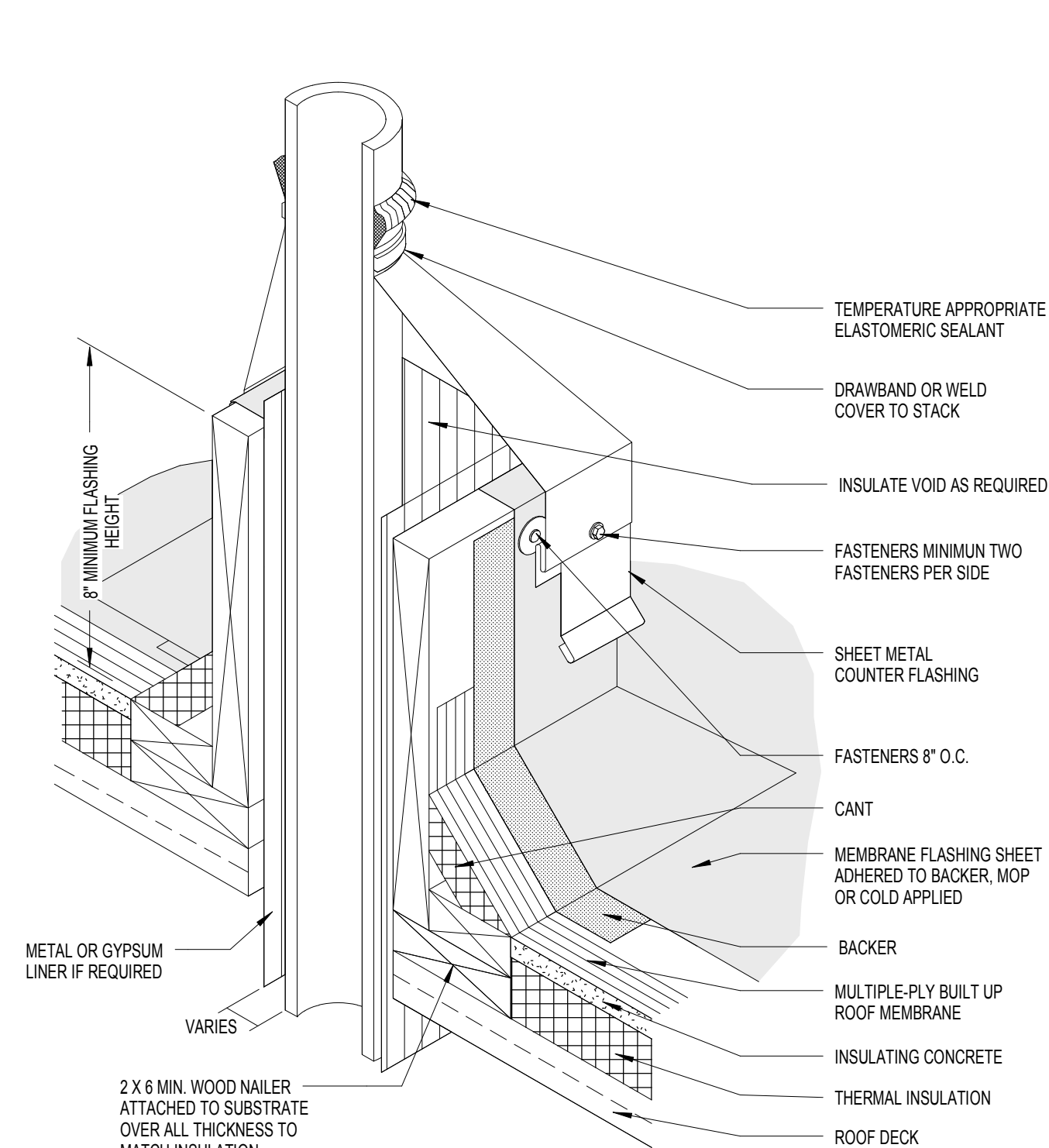
NOTES:
1. THIS DETAIL ALLOWS FOR MEMBRANE MAINTENANCE AROUND THE SUPPORTED EQUIPMENT. THE CONTINUOUS SUPPORT IS PREFERRED IN LIGHT WEIGHT STRUCTURAL SYSTEMS BECAUSE THE EQUIPMENT WEIGHT CAN BE SPREAD ACROSS TWO OR MORE SUPPORTING MEMBERS. WHERE THE HEAVY STRUCTURAL SYSTEMS ARE USED OR WHERE THE LOAD CAN BE CONCENTRATED OVER A COLUMN, DETAIL MAY BE PREFERRED. A MINIMUM OF 2 FEET OF HORIZONTAL CLEARANCE MUST BE PROVIDED FOR REMOVAL AND REPLACEMENT OF ROOFING AND FLASHING BETWEEN PARALLEL SUPPORTS. REFER TO THE TABLE FOR RECOMMENDATIONS ON VERTICAL CLEARANCE, FROM ROOF SURFACE TO BOTTOM OF SUPPORTED EQUIPMENT.
2. REFER TO THE ARCHITECTURAL SHEET METAL SECTION OF THE NRCA ROOFING AND WATERPROOFING MANUAL FOR JOINERY AND SECUREMENT OPTIONS FOR SHEET METAL.
3. REFER TO THE BURMB INTRODUCTION FOR ADDITIONAL INFORMATION.

B1 MOP OR COLD APPLIED FLASHING AT EQUIPMENT SUPPORT CURB
1 1/2" = 1'-0"



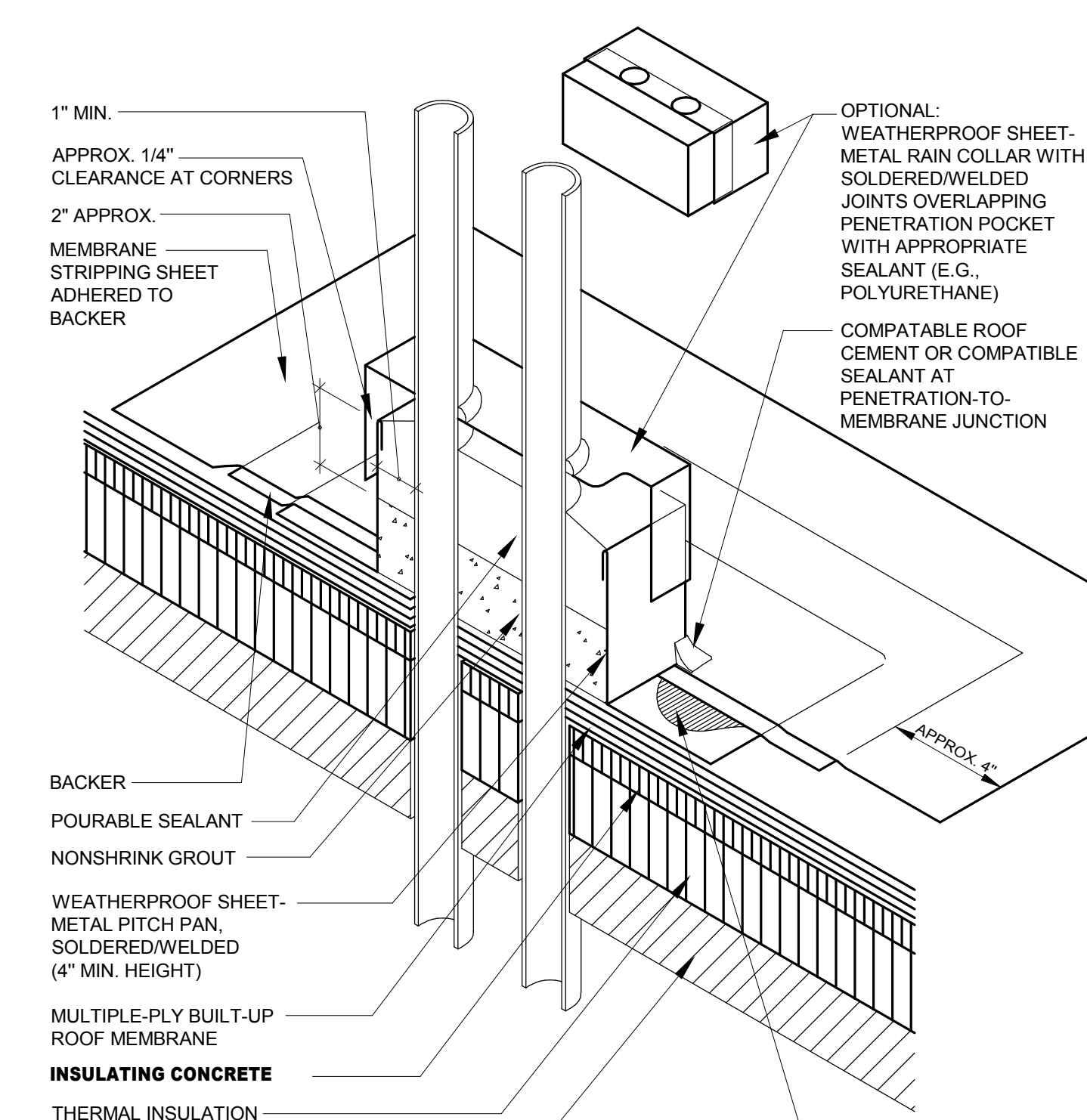
NOTES:
1. THE CURB, TOP WOOD NAILER AND SEAL STRIP ARE TO BE SUPPLIED BY THE CURB MANUFACTURER.
2. WHEN POSSIBLE, THE MECHANICAL UNIT SHOULD NOT BE SET UNTIL THE ROOF MEMBRANE AND FLASHING HAVE BEEN INSTALLED.
3. WHERE THE SKYLIGHT, SCUTTLE OR SMOKE VENT FRAME OVERLAPS THE BASE FLASHING AT LEAST 1" THE REMOVABLE SHEET METAL COUNTERFLASHING IS NOT REQUIRED.
4. NRCA RECOMMENDS DESIGNERS CONSIDER PERMANENT INTERNAL OR EXTERNAL FALL PROTECTION DEVICES AT ALL SKYLIGHTS.
5. REFER TO THE ARCHITECTURAL SHEET METAL SECTION OF THE NRCA ROOFING AND WATERPROOFING MANUAL FOR JOINERY AND SECUREMENT OPTIONS FOR SHEET METAL.
6. REFER TO THE BURMB INTRODUCTION FOR ADDITIONAL INFORMATION.

B2 MOP OR COLD APPLIED FLASHING AT WOOD CURB
1 1/2" = 1'-0"



NOTES:
1. THIS DETAIL ALLOWS THE OPENING TO BE COMPLETED BEFORE THE STACK IS PLACED.
2. THE CLEARANCE NECESSARY BETWEEN THE OPTIONAL GYPSUM OR METAL LINER AND THE STACK AND THE NEED FOR INSULATION WILL DEPEND ON THE TEMPERATURE OF THE MATERIAL HANDLED BY THE STACK.
3. REFER TO THE ARCHITECTURAL SHEET METAL SECTION OF THE NRCA ROOFING AND WATERPROOFING MANUAL FOR JOINERY AND SECUREMENT OPTIONS FOR SHEET METAL.
4. REFER TO THE BURMB INTRODUCTION FOR ADDITIONAL INFORMATION.

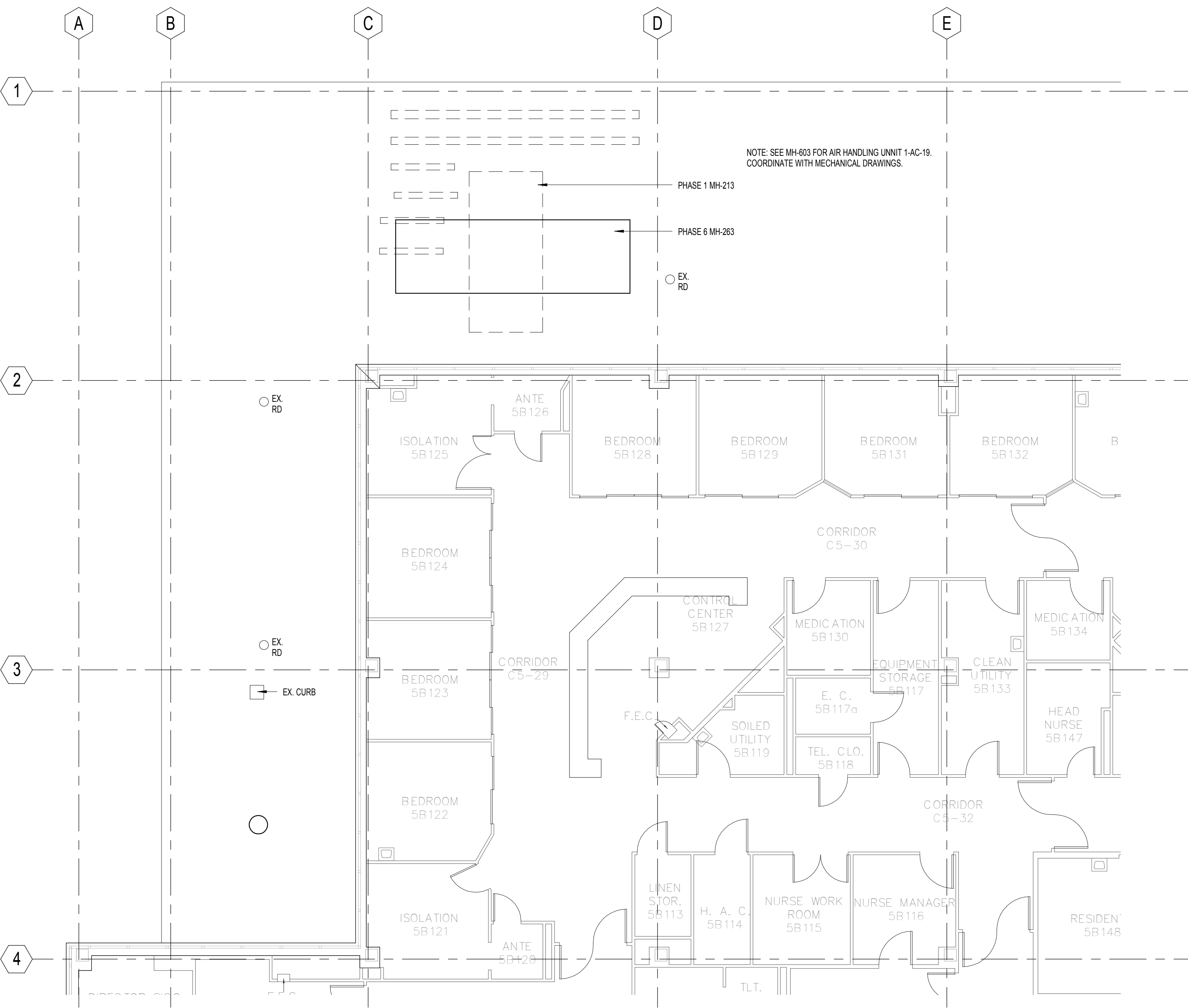
B3 MOP OR COLD APPLIED FLASHING AT PIPE OR DUCT THROUGH ROOF
1 1/2" = 1'-0"



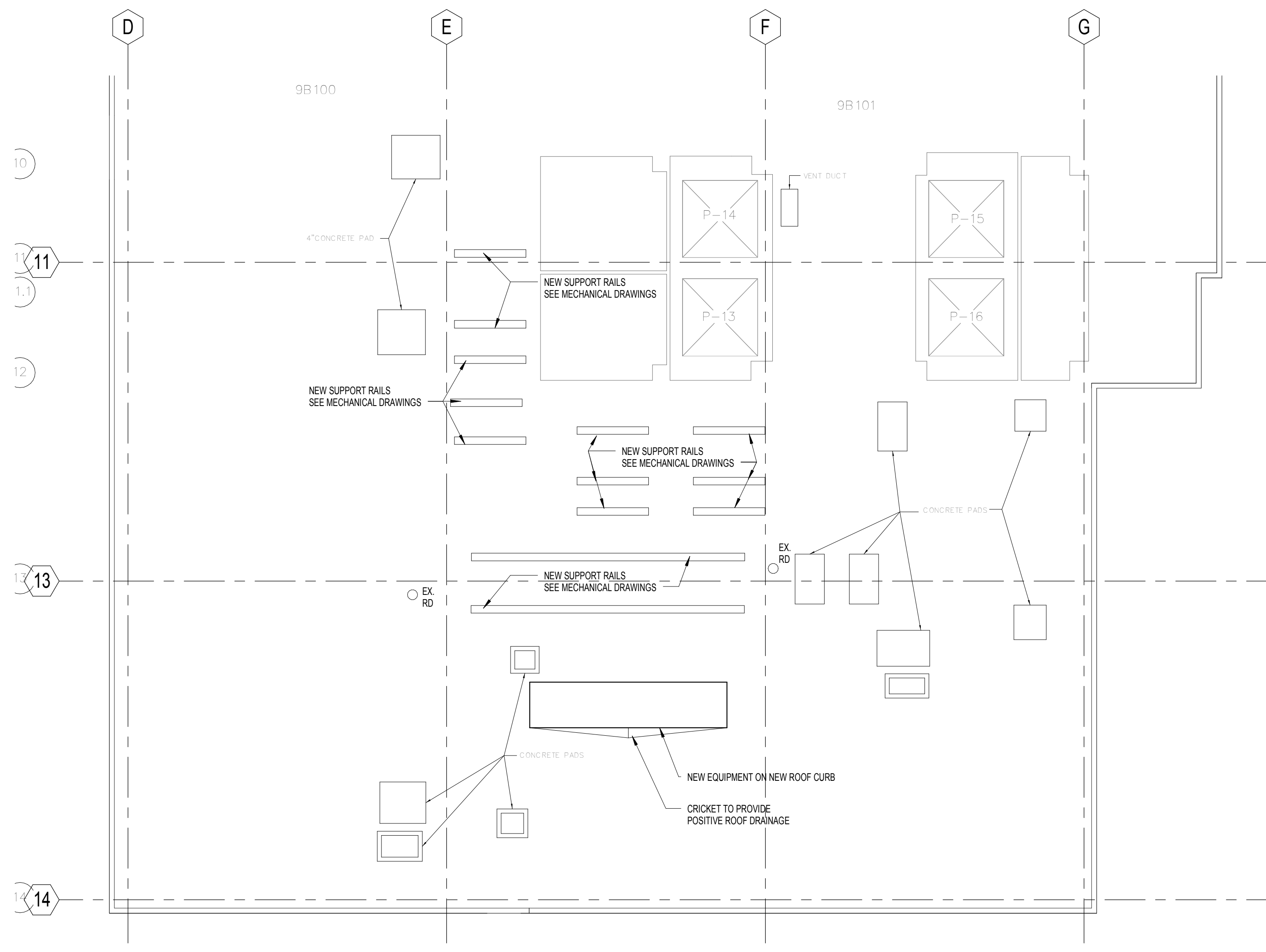
NOTES:
1. PENETRATION POCKETS ARE NOT THE PREFERRED FLASHING METHOD AT THE PENETRATIONS BECAUSE THEY MAY BE A CONSTANT MAINTENANCE PROBLEM.
2. REFER TO THE BURMB INTRODUCTION FOR ADDITIONAL INFORMATION.

B6 PENETRATION POCKET
1 1/2" = 1'-0"

ROOF PLAN KEYNOTES	
R1	CONTRACTOR TO CUT EXISTING ROOFING SYSTEM AND METAL DECK AS REQUIRED TO INSTALL ROOF CURBS AND AIR HANDLING UNITS. CONTRACTOR TO PATCH AND REPAIR ROOF TO PROVIDE A WATERTIGHT SEAL. REFER TO STRUCTURAL AND MPE DRAWINGS FOR RELATED WORK IN THIS AREA.
R2	CONTRACTOR TO CUT OPENING IN EXISTING ROOFING SYSTEM AND METAL DECK AS REQUIRED TO INSTALL OPENINGS FOR MECHANICAL DUCTS AND OR MECHANICAL EXHAUST FANS. CONTRACTOR TO PATCH AND REPAIR ROOF TO PROVIDE A WATERTIGHT SEAL. REFER TO THE MPE DRAWINGS FOR RELATED WORK IN THIS AREA.
R3	CONTRACTOR TO CUT EXISTING ROOFING SYSTEM AS REQUIRED TO INSTALL ROOF DRAINAGE. REFER TO STRUCTURAL AND MPE DRAWINGS FOR RELATED WORK. CONTRACTOR TO PATCH AND REPAIR ROOF TO PROVIDE A WATERTIGHT SEAL.
R4	CONTRACTOR TO PROVIDE CRICKETS AT ALL ROOFTOP EQUIPMENT AS REQUIRED TO PROVIDE POSITIVE DRAINAGE.
NOTES: ALL DEMOLITION AND PATCHING WORK TO BE PERFORMED IN ACCORDANCE WITH SPECIFICATIONS SECTION 017302, CUTTING AND PATCHING AND SECTION 024119, SELECTIVE DEMOLITION. CRICKETS SLOPE 1/2" PER FOOT.	



F1 FIFTH FLOOR ROOF PLAN
1/8" = 1'-0"



F4 LEVEL 9 ROOF PLAN
1/8" = 1'-0"

FULLY SPRINKLERED
ISSUED FOR BID

		CONSULTANTS:		KEY PLAN:		ARCHITECT:		Project Number 3515		Scale As indicated		Drawing Title ROOF PLANS		Project Title REPLACEMENT OF AC-19 AND LABORATORY RENOVATION		VA Project Number VA244-P-1786		Office of Facilities Management	
		Lab Consultant HERA		MEP Engineer H.F. Lenz		 healthcare facilities solutions		2520 Renaissance Boulevard, Suite 110 King of Prussia, PA 19406 t: 610.270.0599 f: 610.270.0695 www.arrayfhs.com		Approved: Project Director				Location 3900 WOODLAND AVENUE PHILADELPHIA, PA 19104		Drawing Number AE-140			
		230 S. Broad Street, Suite 201 Philadelphia, PA 19102 Tel: (215) 675-5333 Fax: (215) 675-5334		1407 Scalp Avenue Johnstown, PA 15004 Tel: (814) 269-9366 Fax: (814) 269-9301								Date 04-12-2012		Checked WJ		Drawn EN			
Revisions		Date																	