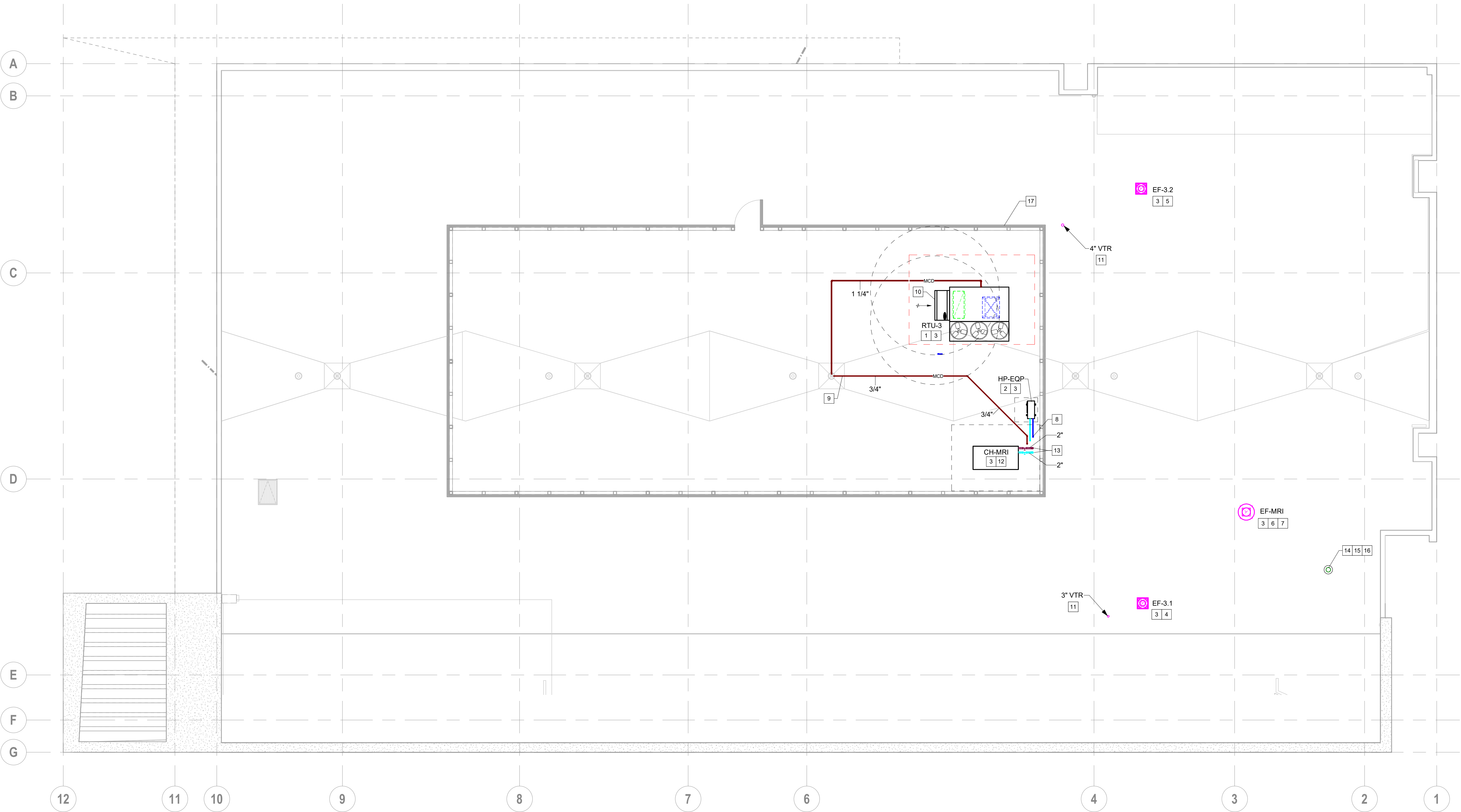


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GENERAL NOTES:

A. PROVIDE SAFE, ADEQUATE AND PRACTICAL ACCESS TO ALL APPLIANCES AND DEVICES ON ROOF FOR COMPLETE INSPECTION, TESTING AND MAINTENANCE WITHOUT DISTURBING ANY BUILDING SYSTEM OR DEVICE EXCEPT FOR ACCESS DOORS.

B. ROOF MOUNTED EQUIPMENT SHALL BE SECURED TO CURB AND STRUCTURE IN COMPLIANCE WITH FBC WIND LOAD REQUIREMENTS. WIND LOAD CALCULATIONS AND SECUREMENT DETAILS SHALL BE SIGNED AND SEALED BY A FLORIDA REGISTERED ENGINEER AND PROVIDED BY THE CONTRACTOR IN A DEFERRED SUBMITTAL.

- CODED NOTES:**
1. PACKAGED ROOF-TOP UNIT. MAINTAIN ALL MANUFACTURER'S RECOMMENDED CLEARANCES FOR SERVICE AND AIR FLOW. COORDINATE PLACEMENT OF UNIT ON ROOF CURB WITH STRUCTURAL ENGINEER. OUTSIDE AIR INTAKE SHALL BE MINIMUM 12" ABOVE FINISHED ROOF WITH 1/2" METAL MESH SCREEN. SUPPLY AND RETURN DUCT FULL SIZE OF UNIT DISCHARGE WITH TRANSITION TO DUCT SIZE ABOVE CEILING. EXTEND PVC CONDENSATE DRAIN WITH TRAP AT UNIT TO NEAREST ROOF DRAIN WITH MINIMUM SLOPE AT 1/8" PER FOOT. SUPPORT CONDENSATE PIPING WITH 1"x8"x12" CONCRETE PAVERS SPACED AT 6'-0" O.C. SECURE PIPING TO PAVERS WITH 1" WIDE 24 GAUGE STAINLESS STEEL STRAPS. SECURE STRAPS TO PAVERS WITH 1/4"x1" TAPCONS. TYPICAL.
 2. HEAT PUMP. MOUNTED AND INSTALLED ON NEW EQUIPMENT STAND. MAINTAIN ALL MANUFACTURER'S RECOMMENDED CLEARANCES FOR SERVICE AND AIR FLOW. COORDINATE FINAL SIZE OF EQUIPMENT STAND WITH UNIT DIMENSIONS AND REQUIRED CLEARANCES. PROVIDE 1" INSULATION ON ALL EXTERIOR REFRIGERANT PIPING WITH PVC JACKET WITH UV COATING ON EXPOSED PIPING (TYPICAL).
 3. ATTACH THE MECHANICAL ROOFTOP EQUIPMENT TO THE STRUCTURE TO MEET THE REQUIREMENTS OF THE FLORIDA MECHANICAL CODE CHAPTER 301.15.
 4. 8"x8" EXHAUST AIR DUCT UP THRU ROOF. CONNECT TO EXHAUST FAN EF-3.1 PROVIDE TRANSITION AS REQUIRED. INTERLOCK WITH RTU-3.
 5. 10"x10" EXHAUST AIR DUCT UP THRU ROOF. CONNECT TO EXHAUST FAN EF-3.2 PROVIDE TRANSITION AS REQUIRED. INTERLOCK WITH RTU-3.
 6. 16"x14" EXHAUST AIR DUCT UP THRU ROOF. CONNECT TO EXHAUST FAN EF-MRI. PROVIDE TRANSITION AS REQUIRED.
 7. PROVIDE EF-MRI WITH UPBLAST TERMINATION EXTENSION COLLAR AND DUCT EXTENSION SUCH THAT DUCT TERMINATES AT LEAST 3'-0" ABOVE THE BOTTOM OF THE OUTSIDE AIR INTAKE OF RTU-3.
 8. REFRIGERANT PIPING AND PUMPED CONDENSATE DRAIN PIPING UP FROM 1ST FLOOR AND THRU PIPE CURB. SEAL ROOF PENETRATIONS AS REQUIRED.
 9. ROUTE CONDENSATE DRAIN PIPING TO NEAREST ROOF DRAIN WITH MINIMUM SLOPE AT 1/8" PER FOOT. SUPPORT CONDENSATE PIPING WITH 1"x8"x12" CONCRETE PAVERS SPACED AT 6'-0" O.C. SECURE PIPING TO PAVERS WITH 1" WIDE 24 GAUGE STAINLESS STEEL STRAPS. SECURE STRAPS TO PAVERS WITH 1/4"x1" TAPCONS.
 10. MAINTAIN MINIMUM 10'-0" SEPARATION FROM FRESH AIR INTAKE AND ALL EXHAUST FANS. TYPICAL.
 11. NEW VTR. MAINTAIN MINIMUM 10'-0" SEPARATION FROM ALL FRESH AIR INTAKES AND ALL PLUMBING VENTS THRU ROOF. COORDINATE WITH PLUMBING.
 12. HASKIS VTR CHILLER. SUPPLIED BY SIEMENS AND INSTALLED ON NEW EQUIPMENT STANDS BY MECHANICAL CONTRACTOR. MAINTAIN ALL MANUFACTURER'S RECOMMENDED CLEARANCES FOR SERVICE AND AIR FLOW. PROVIDE WITH VIBRATION ISOLATORS. PROVIDE ISOLATION BALL VALVES AT CHILLER CONNECTIONS. SEE SIEMENS MRI DOCUMENTS FOR DETAILS.
 13. 2" CHWS&R PIPING UP FROM FIRST FLOOR AND THRU PIPE CURB. SEAL ROOF PENETRATIONS AS REQUIRED.
 14. 8" QUENCH VENT EXHAUST UP FROM FIRST FLOOR TO CRYOGEN VENT CAP. PROVIDE MESH BUG SCREEN AT VENT EXIT. SEE SIEMENS DOCUMENTS AND DETAILS SHEET FOR DETAILS.
 15. PROVIDE "WARNING" SIGNAGE ON QUENCH VENT DISCHARGE FOR ALL FACILITY STAFF/CONTRACTORS TO MAINTAIN A 25'-0" MINIMUM CLEARANCE AT ALL TIMES FROM QUENCH VENT DISCHARGE.
 16. QUENCH VENT EXHAUST SHALL BE AT LEAST 25'-0" FROM ALL OUTSIDE AIR INTAKES.
 17. SCREEN WALL. REFER TO STRUCTURAL PLANS. COORDINATE SIZE AND LOCATION OF SCREEN WALL WITH EQUIPMENT DIMENSIONS AND REQUIRED CLEARANCES.

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Date: 2026.08.03 15:08:33-0400V

(This item has been digitally signed
and sealed by Daniel A. Neuman on
the date subject to the seal.)
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DEUK SPINE
INSTITUTE
Surgery Center at Millenia, LLC

Hunton Brady
ARCHITECTS

DATE	SUBMISSION	NO
12.12.2023	CONSTRUCTION DOCUMENTS	
05.19.2026	CCD NO. 1	1
08.07.2026	CCD #2R	2

HVAC ROOF PLAN

PROJ. NO. H-23016.00 SHEET
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