

HVAC DEMO NOTES

- PLANS ARE SCHEMATIC IN NATURE. LAYOUT IS BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND DIMENSIONS. BRING ANY DISCREPANCIES FROM THE DRAWINGS AND NOTES TO THE OWNER'S REPRESENTATIVE IMMEDIATELY. MINOR CHANGES IN THE SCOPE OF THE DEMOLITION WORK SHALL NOT JUSTIFY AN ADDITIONAL COST.
- DEMOLISH ALL DUCTWORK, PIPING, AND EQUIPMENT SHOWN SHADED, DASHED AND IN A DARK LINE WEIGHT.

Architect Logo:



No.	Date	Description



Sheet & Size:

MERCY NWA HOSPITAL
 Building No.: 1388
ROGERS 7TH FLOOR ICU
 2710 RIFE MEDICAL LANE, RODGERS, AR 72758
 Sheet Name: **7TH FLOOR MECHANICAL DEMO PLAN - OVERALL**

Mercy Project No.: 2040-821203
 Date: 11/13/2024
 Scale: As indicated

NOT IN PROJECT SCOPE

REFERENCE FLOOR PLAN VIEWS

NOT IN PROJECT SCOPE

NOT IN PROJECT SCOPE

AREA A AREA B

NOT IN PROJECT SCOPE

KEY PLAN

7TH FLOOR MECHANICAL PLAN - OVERALL
 3/32" = 1'-0"

0' 8' 16' 32'
 3/32" = 1'

PEC
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 1524 S. UTICA AVE. SUITE 1400, TULSA, OK 74104
 918-584-5400 www.pec.com
 PEC PROJECT NUMBER: 20170400 C.O.A. #942 FEELS EXPIRES: DECEMBER 31, 2024



7TH FLOOR

MD1.1

HVAC DEMO NOTES

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2. DEMOLISH ALL DUCTWORK, PIPING, AND EQUIPMENT SHOWN SHADED, DASHED AND IN A DARK LINE WEIGHT.

SHEET KEYNOTES



Architect Logo

No.	Date	Description



Step & Step:

Building No.: 1388
 Mercy Project No.: 2040-821203
 Date: 11/13/2024
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MERCY NWA HOSPITAL
 Building No.: 1388
ROGERS 7TH FLOOR ICU
 2710 RIFE MEDICAL LANE, RODGERS, AR 72758
 Sheet Name: 7TH FLOOR MECHANICAL DEMO PLAN - AREA A

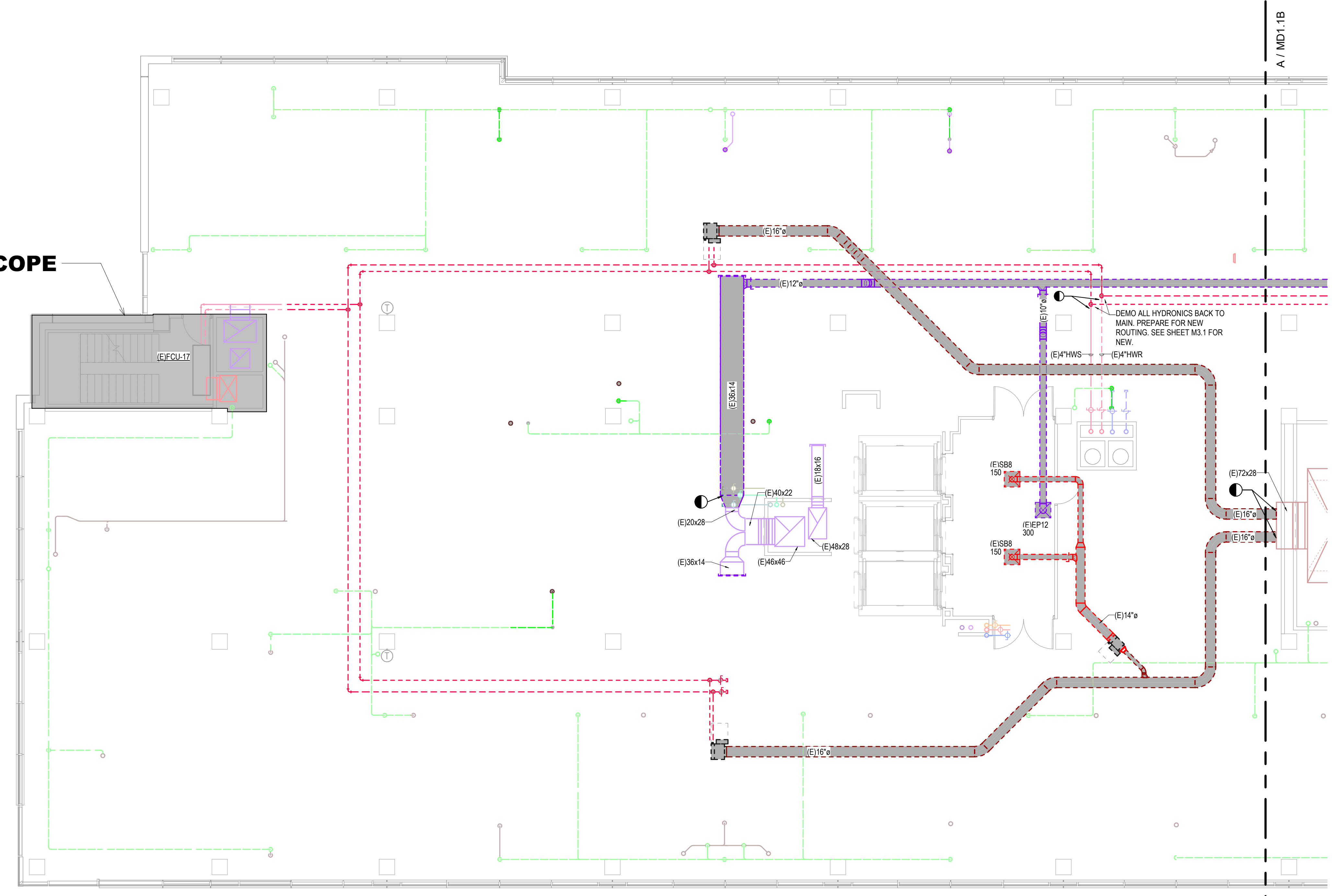


Floor No: 7TH FLOOR
 Sheet No: **MD1.1A**

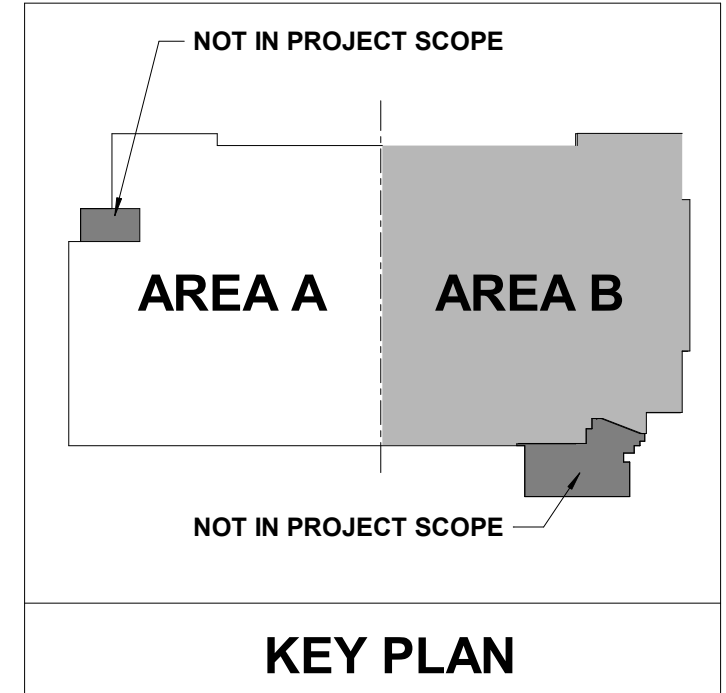
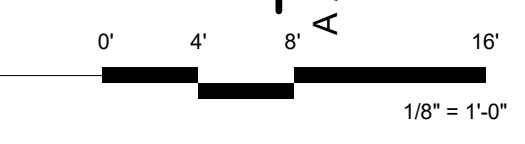


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7TH FLOOR MECHANICAL PLAN - AREA A
 1/8" = 1'-0"



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SHEET KEYNOTES



Architect's Logo

No.	Date	Description



Site & Rev:

Building Project No.: 2040-821203

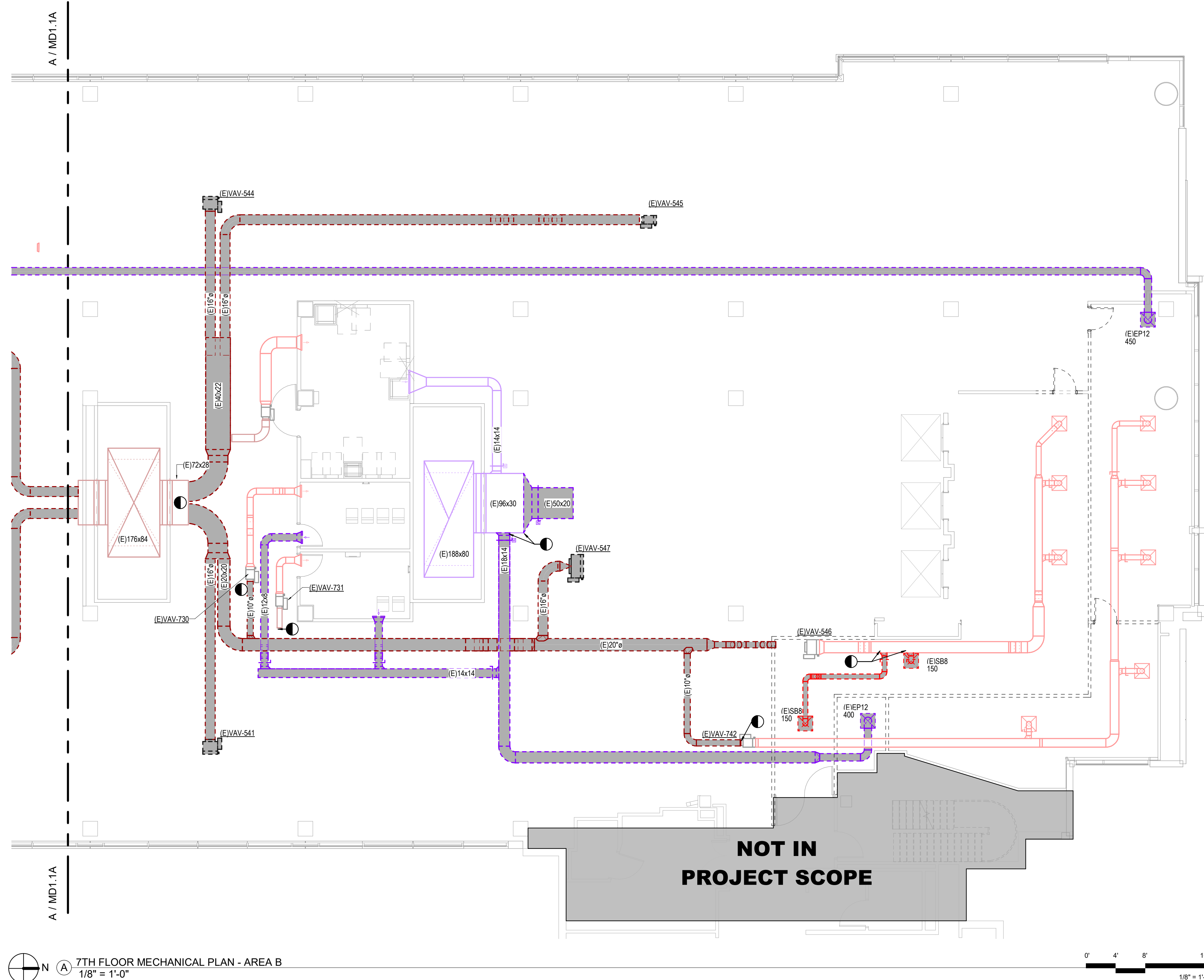
Date: 11/13/2024

Scale: As indicated

MERCY NWA HOSPITAL
 Building No.: 1388
ROGERS 7TH FLOOR ICU
 2710 RIFE MEDICAL LANE, RODGERS, AR 72758
 Sheet Name: 7TH FLOOR MECHANICAL DEMO PLAN - AREA B

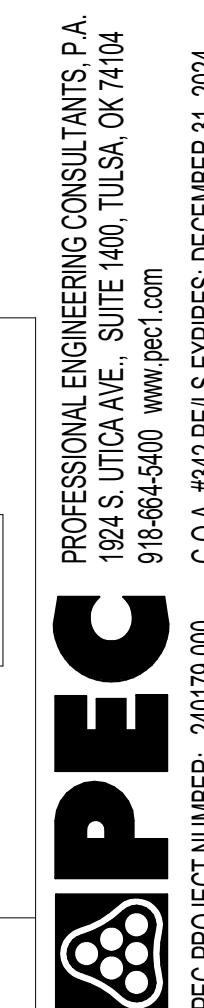
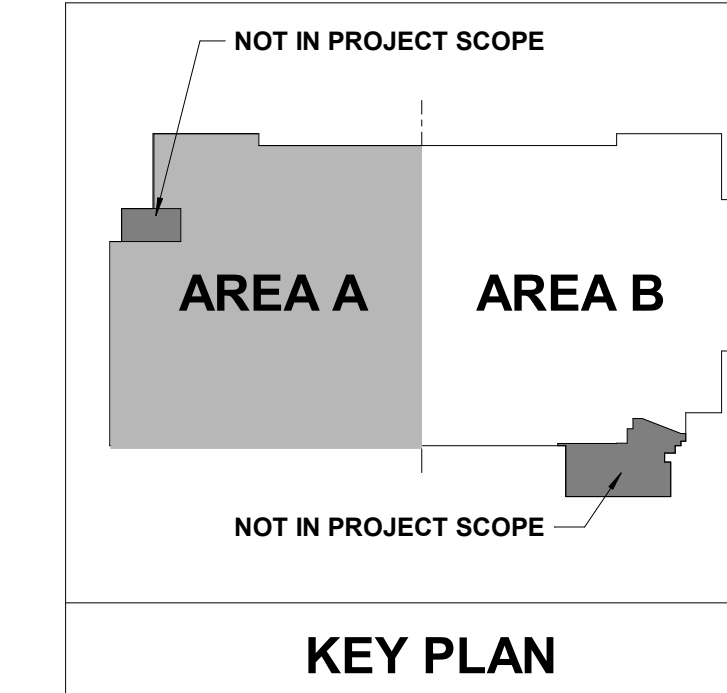
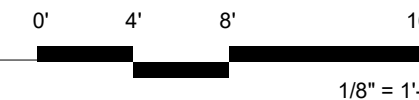


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 Sheet No: **MD1.1B**



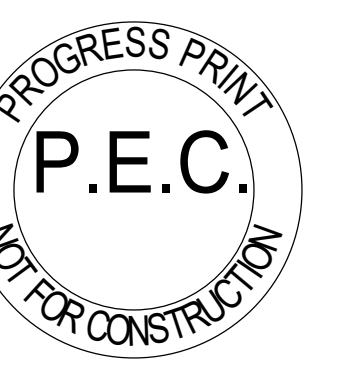
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7TH FLOOR MECHANICAL PLAN - AREA B
 1/8" = 1'-0"



PEC PROJECT NUMBER: 240179-000 C.O.A. #242 FEELS EXPIRES: DECEMBER 31, 2024

No.	Date	Description



Project No.: 2040-821203
 Date: 11/13/2024
 Scale: As indicated

MERCY NWA HOSPITAL
 Building No.: 1388
ROGERS 7TH FLOOR ICU
 2710 RIFE MEDICAL LANE, RODGERS, AR 72758
 Sheet Name: 7TH FLOOR MECHANICAL ZONE PLAN - OVERALL

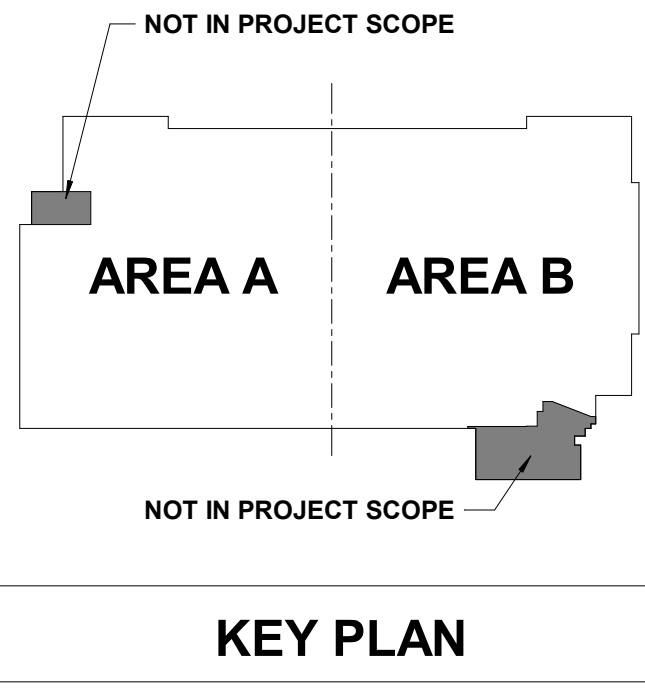
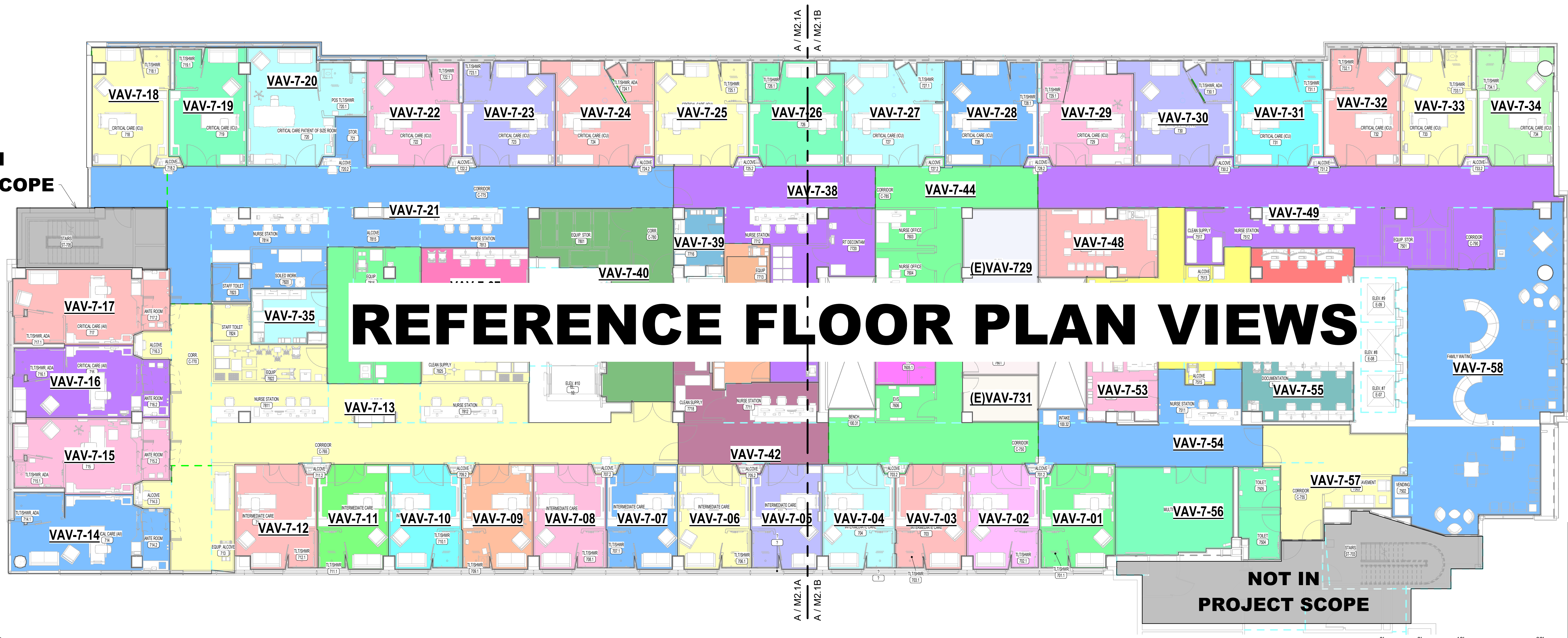
Mercy
 Floor No.: 7TH FLOOR
 Sheet No.: **M1.1**

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 1224 S. UTICA AVE., SUITE 1400, TULSA, OK 74104
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NOT IN PROJECT SCOPE

NOT IN PROJECT SCOPE

REFERENCE FLOOR PLAN VIEWS



7TH FLOOR MECHANICAL ZONE PLAN - OVERALL
 3/32" = 1'-0"



No.	Date	Description



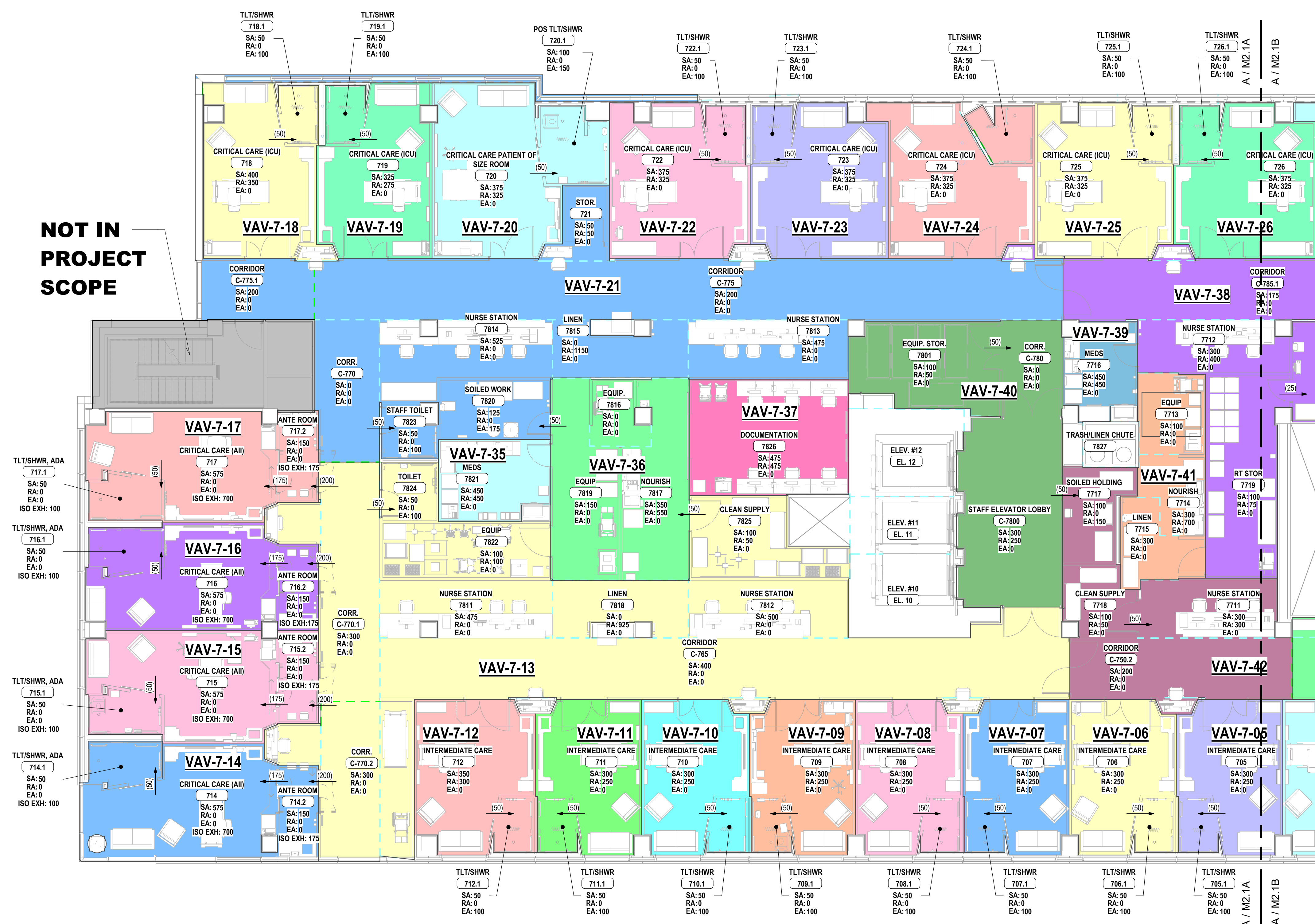
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 Date: 11/13/2024
 Scale: As indicated

MERCY NWA HOSPITAL
 Building No.: 1388
ROGERS 7TH FLOOR ICU
 2710 RIFE MEDICAL LANE, RODGERS, AR 72758
 Sheet Name: 7TH FLOOR AIRFLOW DIAGRAM - AREA A



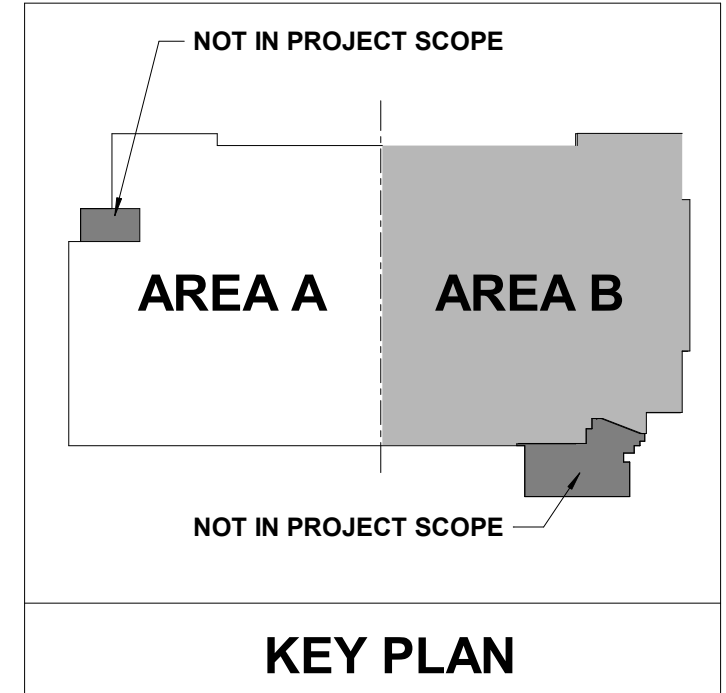
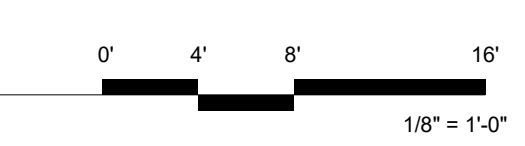
Floor No.: 7TH FLOOR
 Sheet No.: **M1.1A**

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 1825 S. LINDA LANE, SUITE 1400, TULSA, OK 74104
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 PEC PROJECT NUMBER: 240794000 C.O.A. #942 F.E.I.S. EXPIRES: DECEMBER 31, 2024



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7TH FLOOR AIRFLOW DIAGRAM - AREA A
 1/8" = 1'-0"



Architect Logo

No.	Date	Description

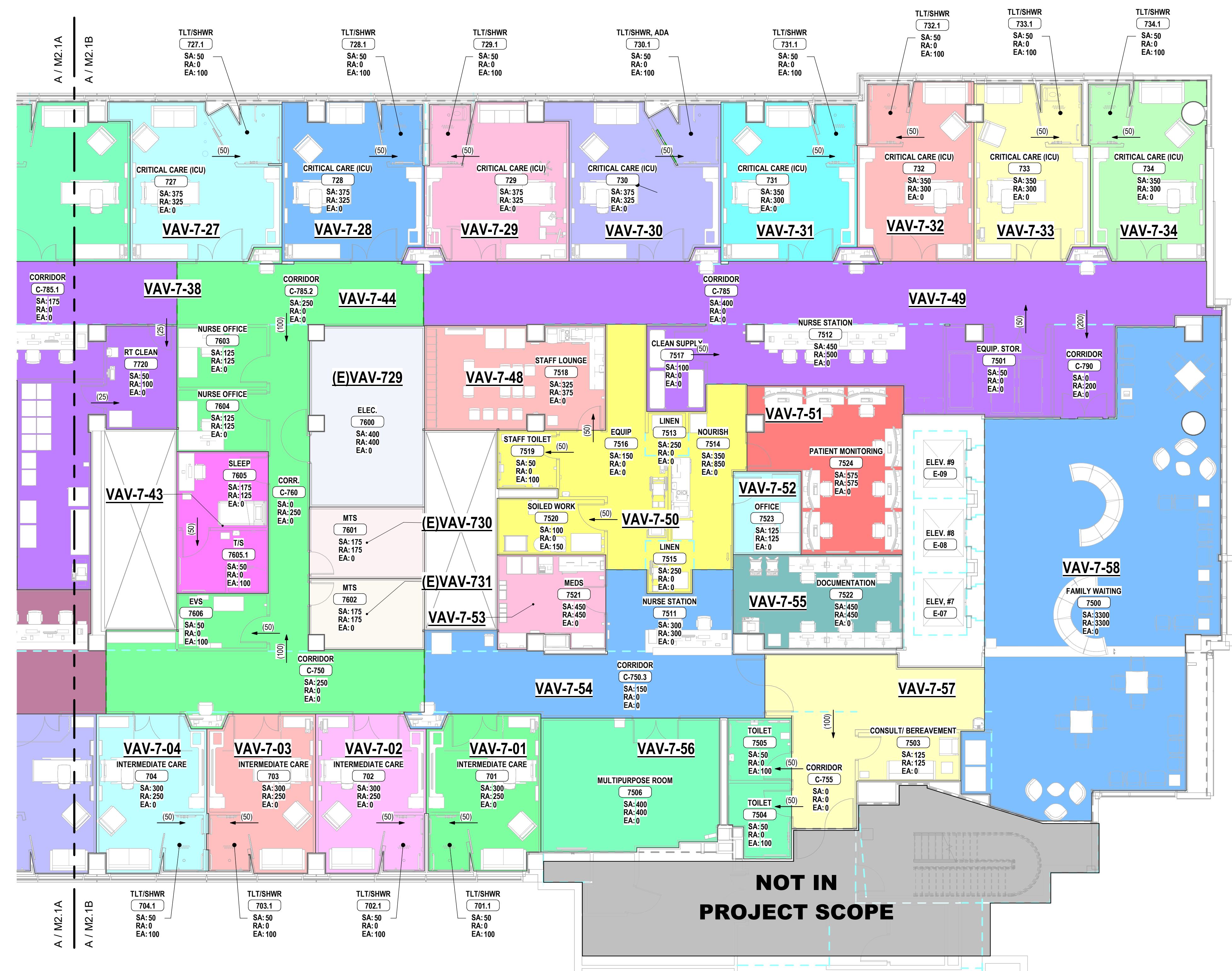


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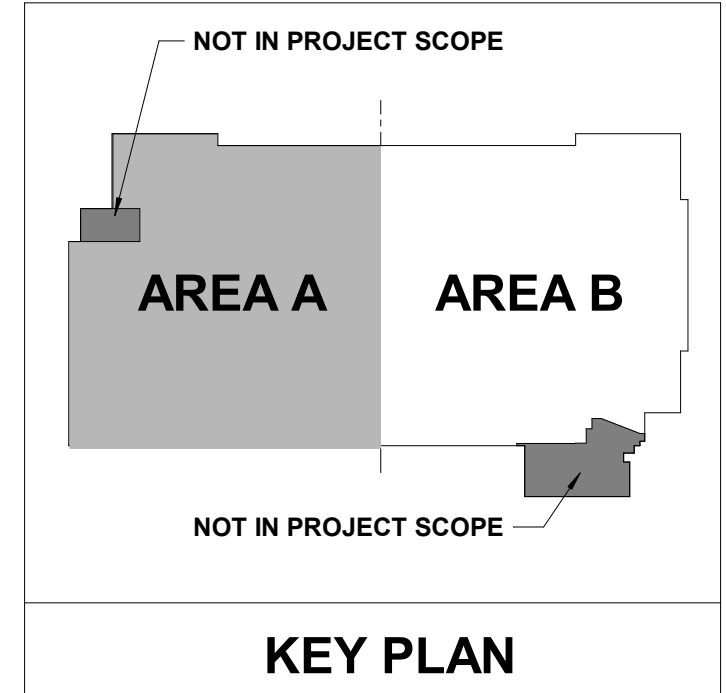
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 Date: 11/13/2024
 Scale: As indicated

MERCY NWA HOSPITAL
 Building No.: 1388
ROGERS 7TH FLOOR ICU
 2710 RIFE MEDICAL LANE, RODGERS, AR 72758
 Sheet Name: 7TH FLOOR AIRFLOW DIAGRAM - AREA B

7TH FLOOR
M1.1B



NOT IN PROJECT SCOPE



7TH FLOOR AIRFLOW DIAGRAM - AREA B
 1/8" = 1'-0"



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 926 S. UTICA AVE., SUITE 1400, TULSA, OK 74104
 918-584-6400 www.pecc.com
 PEC PROJECT NUMBER: 20170900 C.O.A. #042 PEIS EXPIRES: DECEMBER 31, 2024

HVAC GENERAL NOTES

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- T-STATS SHALL BE LOCATED NEXT TO LIGHT SWITCH WITHIN THE ROOM SHOWN. COORDINATE WITH GC AND ELECTRICAL CONTRACTOR TO MATCH HEIGHT AND LOCATION.
- AVOID ROUTING DUCTWORK OVER ELECTRICAL ROOMS AND ELECTRICAL PANELS. MAINTAIN E.C. CLEARANCES. COORDINATE ROUTING WITH ELECTRICAL CONTRACTOR.
- ALL SUPPLY AND EXHAUST AIR BRANCHES FOR DIFFUSERS OR GRILLES SHALL HAVE MANUAL BALANCE DAMPERS. RETURN AIR BRANCHES SHALL HAVE MANUAL BALANCE DAMPERS. FOR PLAN CLARITY, NOT ALL DAMPERS MAY BE SHOWN. WHERE HARD LID CEILINGS PREVENT BALANCE DAMPER ACCESS, CONFIRM WITH GRID SCHEDULE OR WITH ENGINEER TO USE GRID'S OR REMOTE BALANCE DAMPERS IF NOT ALREADY INDICATED.
- REFER TO CEILING ALLOCATION DETAIL FOR INSTALLATION ELEVATIONS OF DUCTWORK WITHIN THE CEILING SPACE. UTILIZE JOIST SPACE WHERE POSSIBLE, ESPECIALLY WHEN CROSSING OTHER DUCT, PIPE, AND ELECTRICAL.
- PROVIDE FLEXIBLE DUCT AND PIPE CONNECTIONS TO ALL MOTORIZED EQUIPMENT.
- VERIFY ALL EQUIPMENT ACCESS PANELS WITH MANUFACTURER AND ARCHITECT. ACCESS PANELS SHALL BE 24X24 UNLESS NOTED OTHERWISE. LOCATIONS SHALL BE COORDINATED WITH THE ARCHITECT AND THE LOCATIONS OF THE EQUIPMENT THEY SERVE.
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- CEILING COORDINATION OF ALL MEP SYSTEMS (LIGHTING, DUCTWORK, DIFFUSERS, ELECTRICAL, ETC.) MUST BE COMPLETED BY THE CONTRACTOR PRIOR TO THE START OF ANY NEW INSTALLATION.

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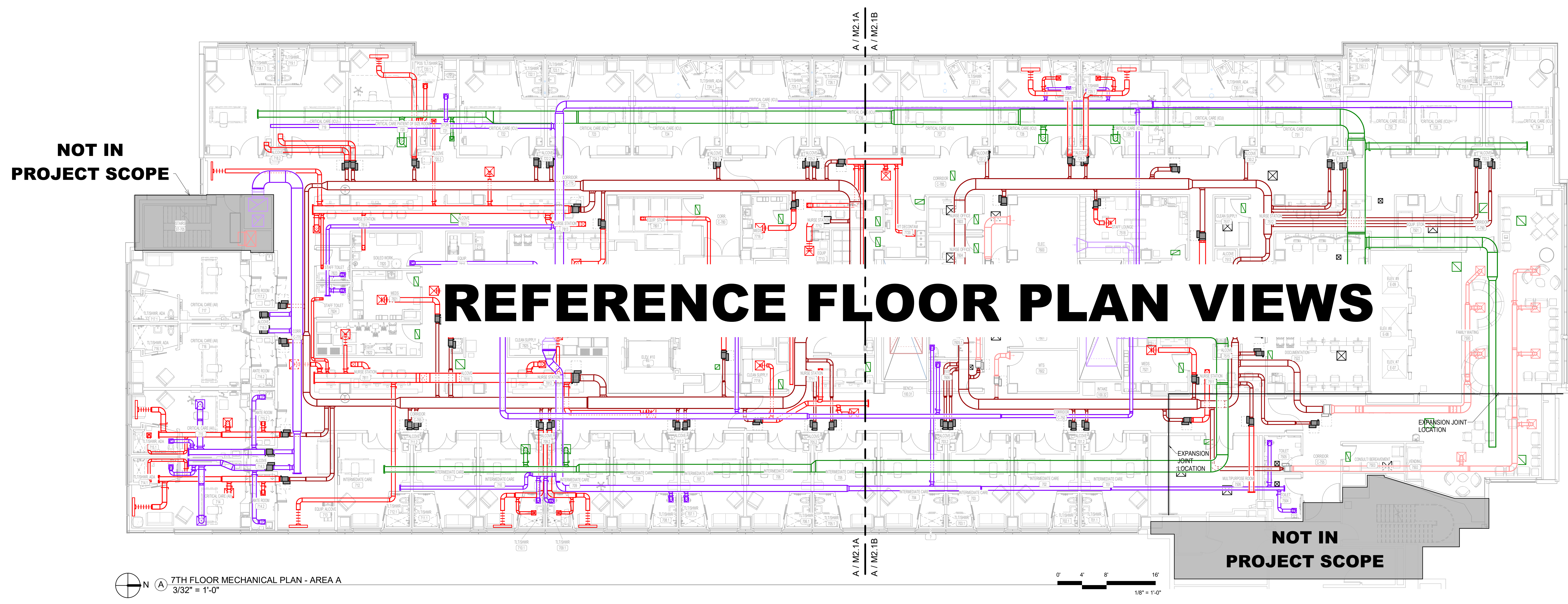


Project No.: 2040-821203
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MERCY NWA HOSPITAL
 Building No.: 1388
ROGERS 7TH FLOOR ICU
 2710 RIFE MEDICAL LANE, RODGERS, AR 72758
7TH FLOOR MECHANICAL PLAN - OVERALL

Mercy
 7TH FLOOR
M2.1

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7TH FLOOR MECHANICAL PLAN - AREA A
 3/32" = 1'-0"

HVAC GENERAL NOTES

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SHEET KEYNOTES

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Project No.: 2040-821203
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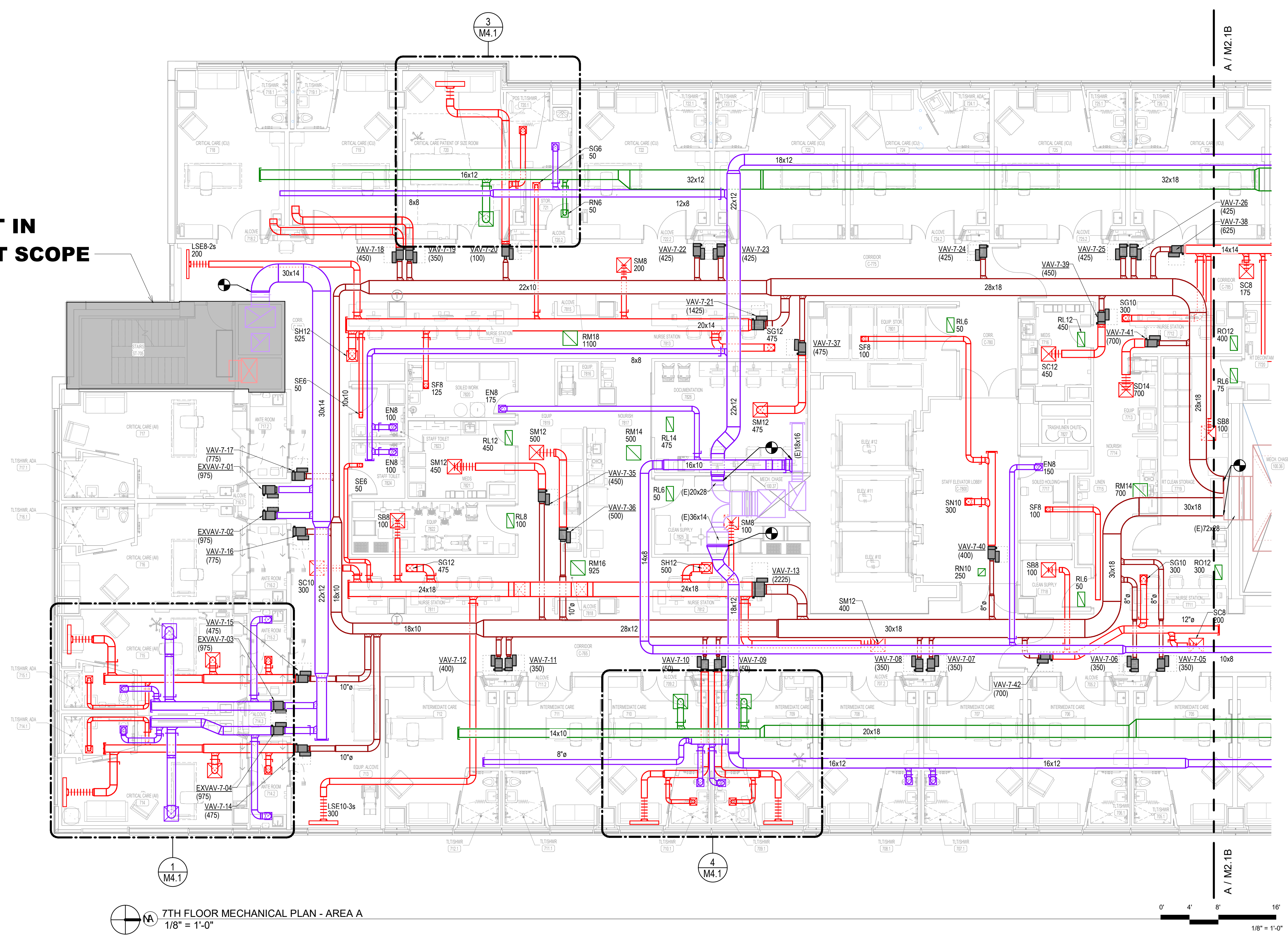
MERCY NWA HOSPITAL
 Building No.: 1388
ROGERS 7TH FLOOR ICU
 2710 RIFE MEDICAL LANE, RODGERS, AR 72758

Mercy

7TH FLOOR
M2.1A

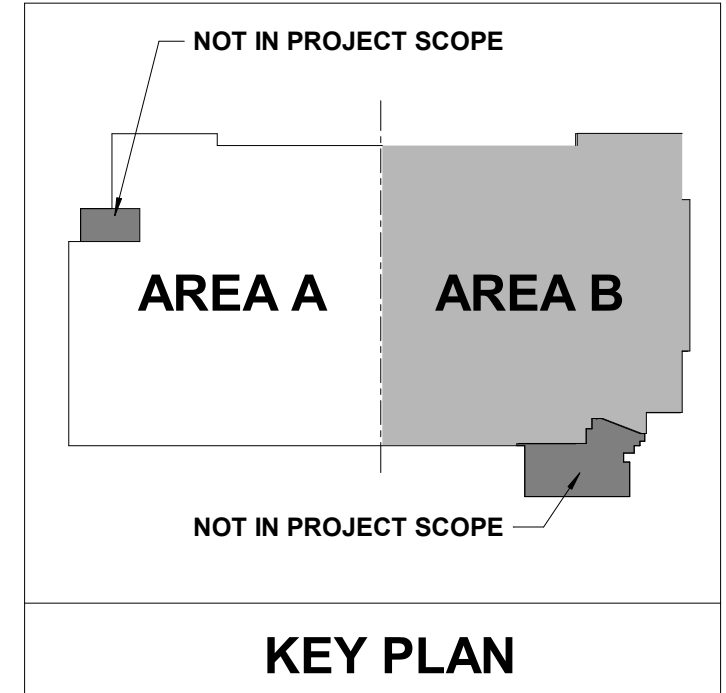
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NOT IN PROJECT SCOPE



7TH FLOOR MECHANICAL PLAN - AREA A
 1/8" = 1'-0"

0' 4' 8' 16'
 1/8" = 1'-0"



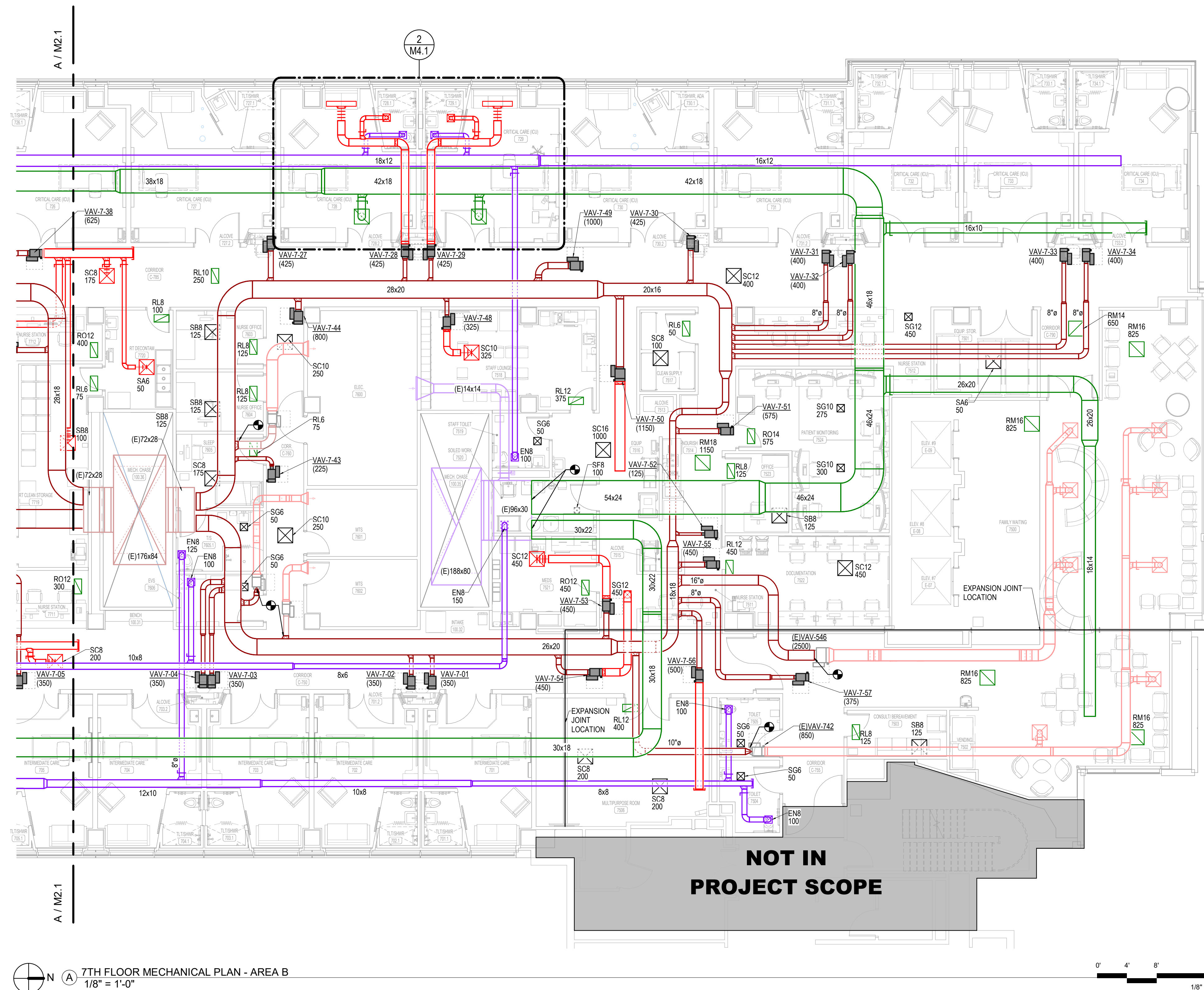
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 1625 S. UTICA AVE., SUITE 400, TULSA, OK 74104
 918-584-5400 www.pec.com
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HVAC GENERAL NOTES

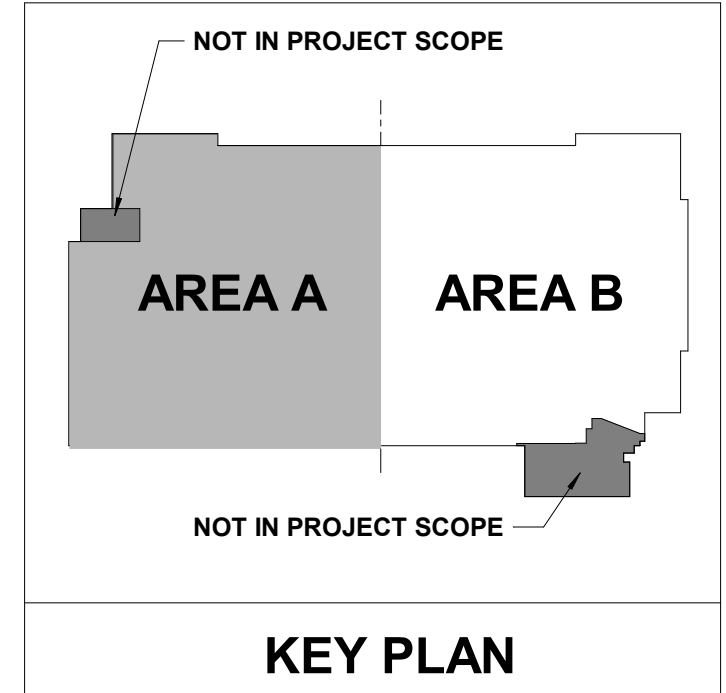
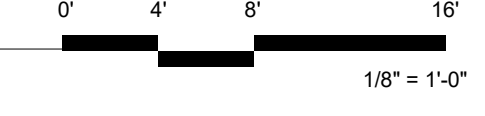
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SHEET KEYNOTES

No.	Date	Description



7TH FLOOR MECHANICAL PLAN - AREA B
1/8" = 1'-0"



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MERCY NWA HOSPITAL
Building No.: 1388
ROGERS 7TH FLOOR ICU
2710 RIFE MEDICAL LANE, RODGERS, AR 72758
Sheet Name: **7TH FLOOR MECHANICAL PLAN - AREA B**

Mercy Project No.: 2040-821203
Date: 11/13/2024
Scale: As indicated



Floor No.: **7TH FLOOR**
Sheet No.: **M2.1B**

MECH. PIPING GENERAL NOTES

1. PIPING ON EXTERIOR WALLS OR PRE-CAST CONCRETE WALLS TO BE ROUTED IN FRAMED WALL ON INTERIOR SIDE OF INSULATION.
2. AVOID ROUTING PIPING OVER ELECTRICAL ROOMS OR ELECTRICAL PANELS. MAINTAIN N.E.C. CLEARANCES. COORDINATE ROUTING WITH ELECTRICAL CONTRACTOR.
3. PROVIDE FLEXIBLE PIPE CONNECTIONS TO ALL MOTORIZED EQUIPMENT.
4. VERIFY ALL EQUIPMENT ACCESS PANELS WITH MANUFACTURER AND ARCHITECT.
5. REFER TO TERMINAL BOX SCHEDULE FOR ALL BRANCH HEATING WATER PIPE SIZES.
6. ALL VALVES SHALL BE INSTALLED ABOVE DROP-IN CEILING IN AN ACCESSIBLE LOCATIONS, OR WITH ACCESS PANELS IN HARD LID CEILINGS. ACCESS PANELS SHALL BE 24X24 UNLESS NOTED OTHERWISE. COORDINATE PANEL LOCATIONS WITH ARCHITECT.
7. CONTRACTOR SHALL MAINTAIN MINIMUM 4" CLEAR ABOVE LAY-IN CEILINGS.

Architect Logo



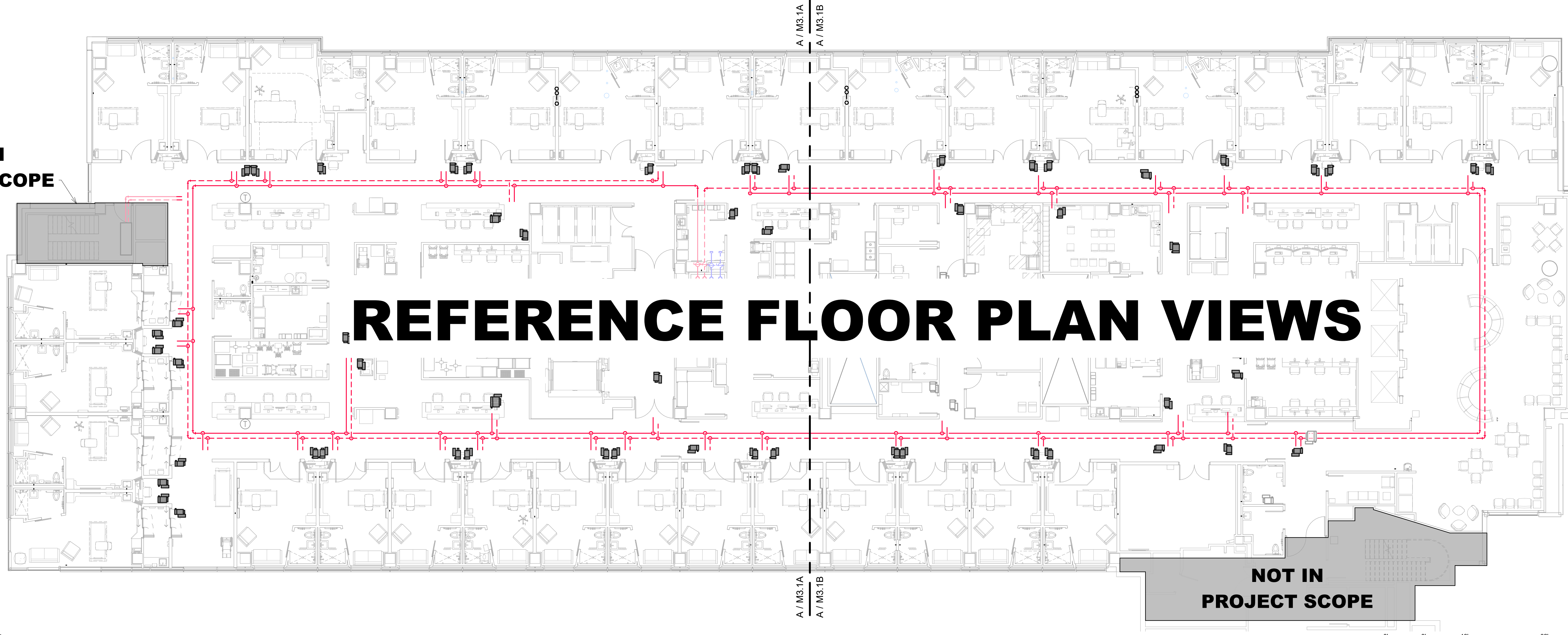
No.	Date	Description



Step & Size

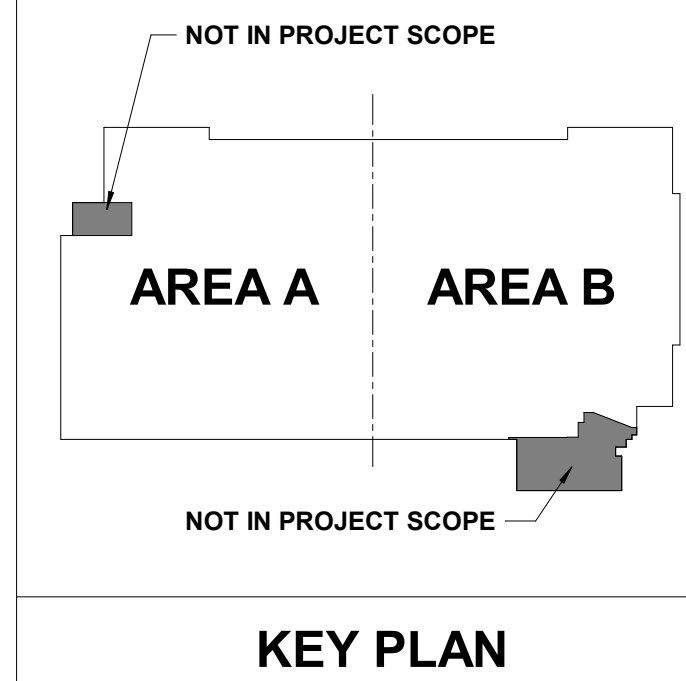
MERCY NWA HOSPITAL
 Building No.: 1388
ROGERS 7TH FLOOR ICU
 2710 RIFE MEDICAL LANE, RODGERS, AR 72758
 Sheet Name: 7TH FLOOR MECHANICAL PIPING PLAN - OVERALL
 Mercy Project No.: 2040-821203
 Date: 11/13/2024
 Scale: As indicated

NOT IN PROJECT SCOPE



REFERENCE FLOOR PLAN VIEWS

NOT IN PROJECT SCOPE



1 7TH FLOOR MECHANICAL PLAN - OVERALL
 3/32" = 1'-0"



Floor No.: 7TH FLOOR
 Sheet No.: **M3.1**

MECH. PIPING GENERAL NOTES

1. PIPING ON EXTERIOR WALLS OR PRE-CAST CONCRETE WALLS TO BE ROUTED IN FRAMED WALL ON INTERIOR SIDE OF INSULATION.
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SHEET KEYNOTES



No.	Date	Description



Project No.: 2040-821203
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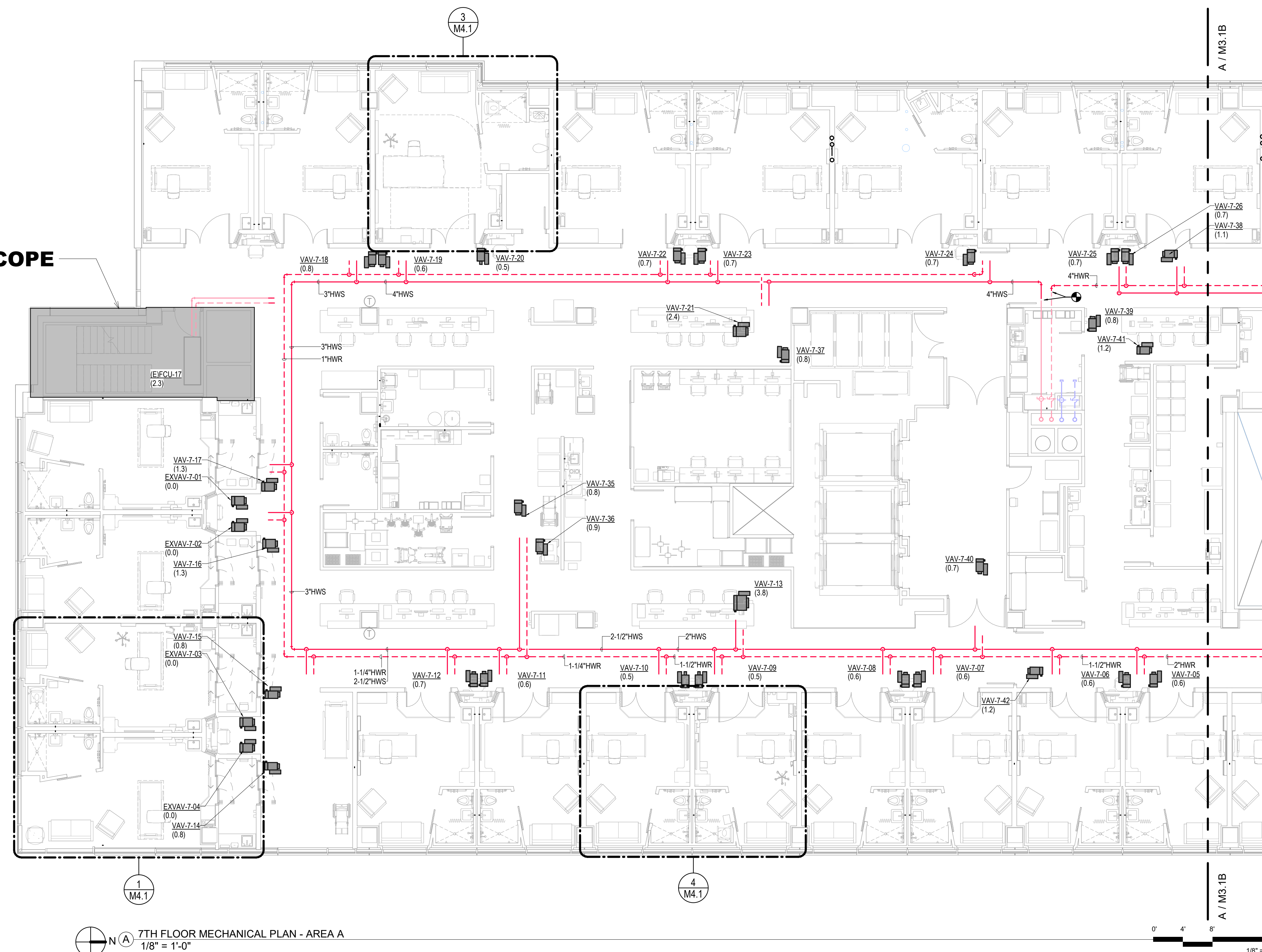
MERCY NWA HOSPITAL
 Building No.: 1388
ROGERS 7TH FLOOR ICU
 2710 RIFE MEDICAL LANE, RODGERS, AR 72758
7TH FLOOR MECHANICAL PIPING PLAN - AREA A



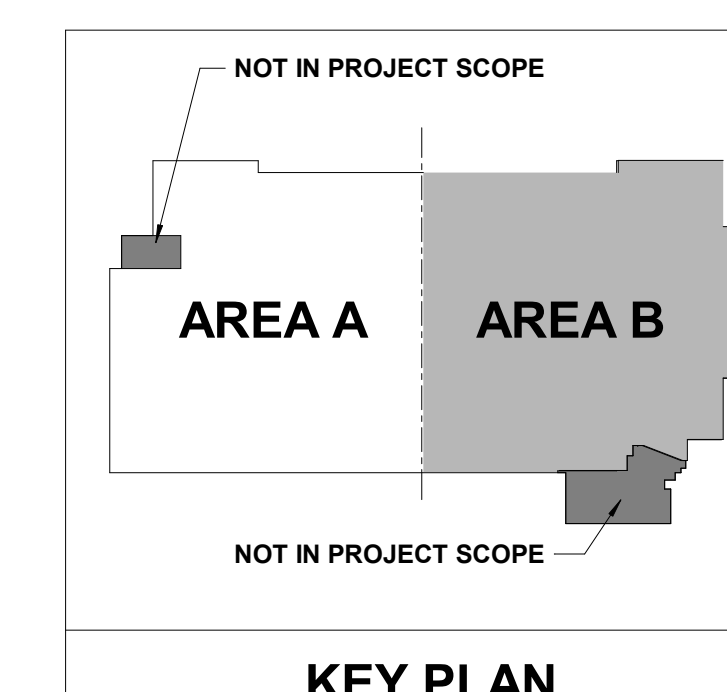
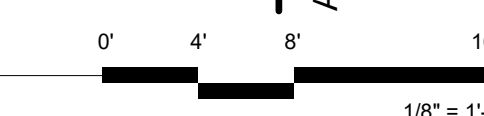
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 Sheet No.: **M3.1A**

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 PEC PROJECT NUMBER: 20179400 C.O.A. #942 PEELS EXPIRES: DECEMBER 31, 2024

NOT IN PROJECT SCOPE



7TH FLOOR MECHANICAL PLAN - AREA A
 1/8" = 1'-0"



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MECH. PIPING GENERAL NOTES

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3. PROVIDE FLEXIBLE PIPE CONNECTIONS TO ALL MOTORIZED EQUIPMENT.
4. VERIFY ALL EQUIPMENT ACCESS PANELS WITH MANUFACTURER AND ARCHITECT.
5. REFER TO TERMINAL BOX SCHEDULE FOR ALL BRANCH HEATING WATER PIPE SIZES.
6. ALL VALVES SHALL BE INSTALLED ABOVE DROP-IN CEILING IN AN ACCESSIBLE LOCATION. OR WITH ACCESS PANELS IN HARD LID CEILING. ACCESS PANELS SHALL BE 24X24 UNLESS NOTED OTHERWISE. COORDINATE PANEL LOCATIONS WITH ARCHITECT. CONTRACTOR SHALL MAINTAIN MINIMUM 4" CLEAR ABOVE LAY-IN CEILING.

SHEET KEYNOTES



Architect Logo

No.	Date	Description



Sheet No.

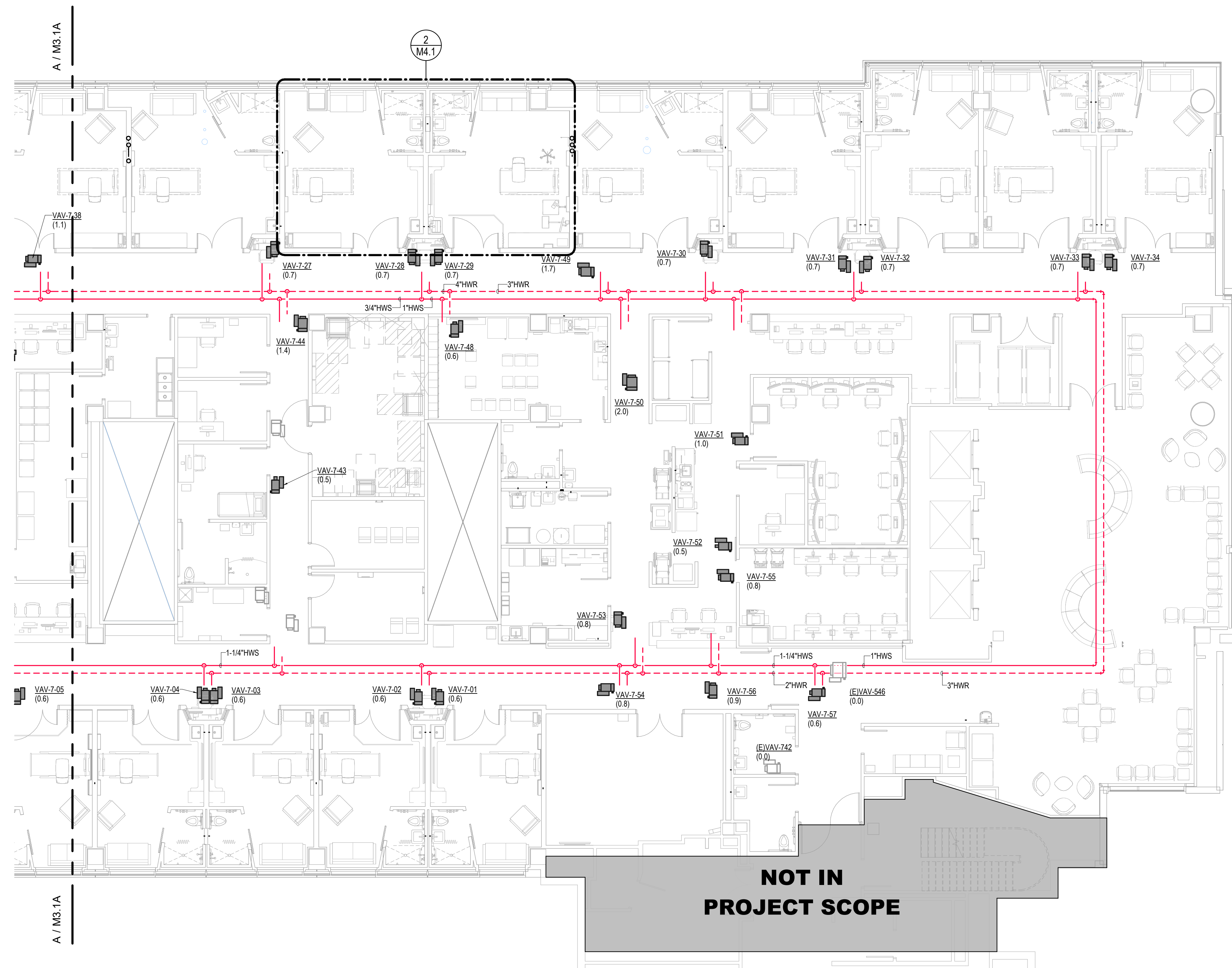
Project No.: 2040-821203
 Date: 11/13/2024
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MERCY NWA HOSPITAL
 Building No.: 1388
ROGERS 7TH FLOOR ICU
 2710 RIFE MEDICAL LANE, RODGERS, AR 72758
 Sheet Name: 7TH FLOOR MECHANICAL PIPING PLAN - AREA B



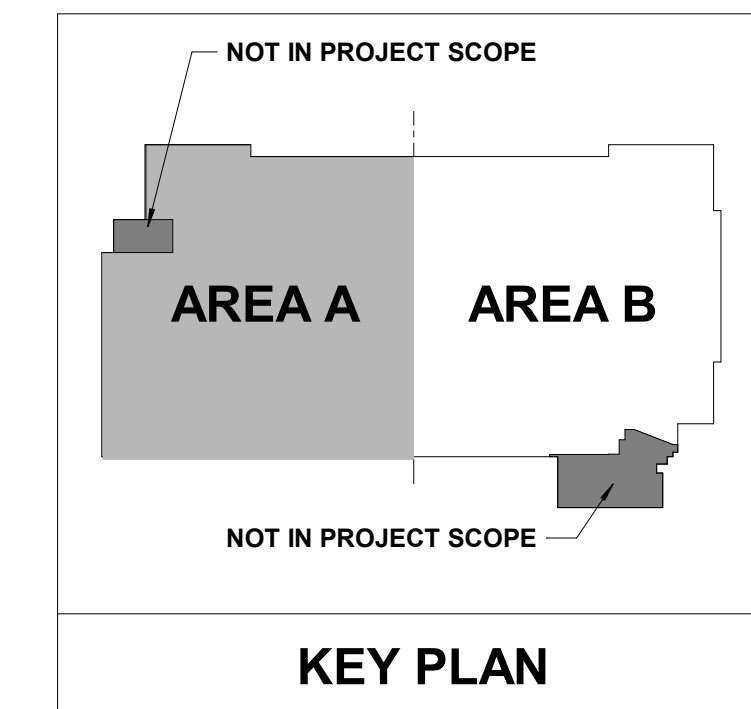
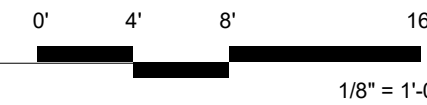
Floor No.: 7TH FLOOR
 Sheet No.: **M3.1B**

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NOT IN PROJECT SCOPE

7TH FLOOR MECHANICAL PLAN - AREA B
 1/8" = 1'-0"



PLUMBING GENERAL NOTES

- REFER TO THE PLUMBING FIXTURE SCHEDULE FOR PIPE SIZES TO INDIVIDUAL FIXTURES.
- NOT ALL REQUIRED CLEANOUTS ARE NECESSARILY SHOWN ON THESE PLANS. PROVIDE CLEANOUTS ON WASTE, VENT AND STORM PIPING AS REQUIRED BY CODE AND FOR REASONABLE MAINTENANCE BASED ON ACTUAL FIELD INSTALLATION.
- PIPING ON EXTERIOR WALLS OR PRE-CAST WALLS TO BE ROUTED IN FRAMED WALL ON INTERIOR SIDE OF INSULATION.
- AVOID ROUTING OVER ELECTRICAL ROOMS AND ELECTRICAL PANELS. MAINTAIN N.E.C. CLEARANCES. COORDINATE ROUTING WITH ELECTRICAL CONTRACTOR.
- ALL VALVES SHALL BE INSTALLED ABOVE DROP-IN CEILING IN ACCESSIBLE LOCATIONS, OR WITH ACCESS PANELS IN HARD LID CEILINGS.
- ACCESS PANELS SHALL BE 24x24, UNLESS NOTED OTHERWISE. LOCATIONS SHOWN ARE APPROXIMATE. EXACT LOCATIONS SHALL BE COORDINATED WITH THE ARCHITECTURAL DRAWINGS AND EQUIPMENT LOCATIONS. PROVIDE RATED ACCESS PANELS WHEREVER REQUIRED BY APPLICABLE CODES.
- REFERENCE CEILING SPACES ALLOCATION DETAIL FOR INSTALLATION HEIGHTS OF PLUMBING PIPING. OFFSET AS NECESSARY TO AVOID OBSTRUCTIONS. PIPING REQUIRED TO BE SLOPED SHALL TAKE PRECEDENCE.
- PROVIDE ACCESSIBLE SHUT-OFF VALVES TO ALL APPLIANCES AND EQUIPMENT.
- TRAP PRIMERS OR TRAP GUARDS SHALL BE INSTALLED AT ALL FLOOR RECEPTORS. INSTALL IN ACCORDANCE WITH IPC.
- VERIFY AND REFER TO ARCHITECTURAL DIMENSIONAL FLOOR PLAN FOR EXACT LOCATIONS OF ALL FIXTURES AND EQUIPMENT.

No.	Date	Description

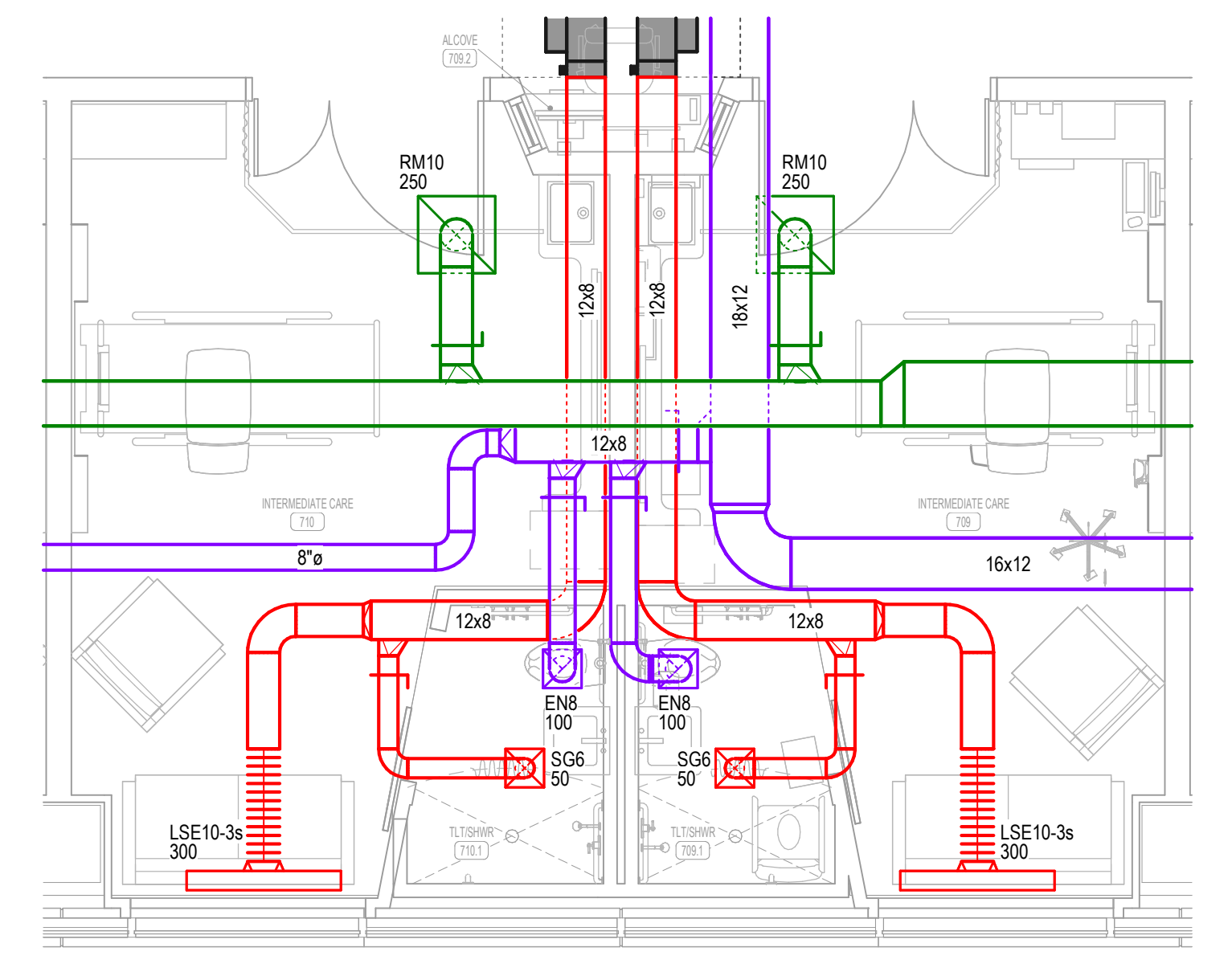


Step & Shop:
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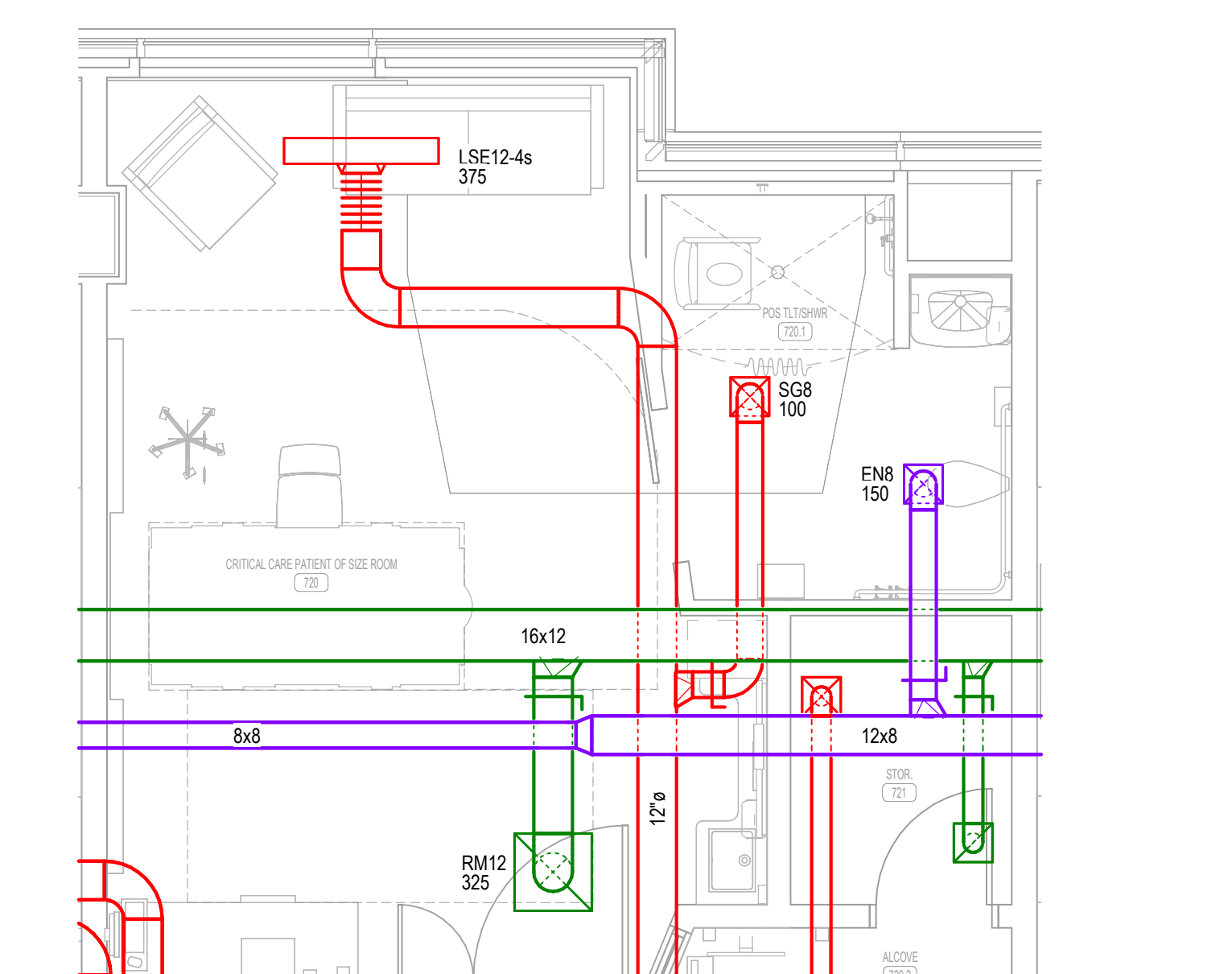
MERCY NWA HOSPITAL
 Building No.: 1388
ROGERS 7TH FLOOR ICU
 2710 RIFE MEDICAL LANE, RODGERS, AR 72758
 Sheet Name: **7TH FLOOR MECHANICAL PLANS - ENLARGED PAT. ROOMS**

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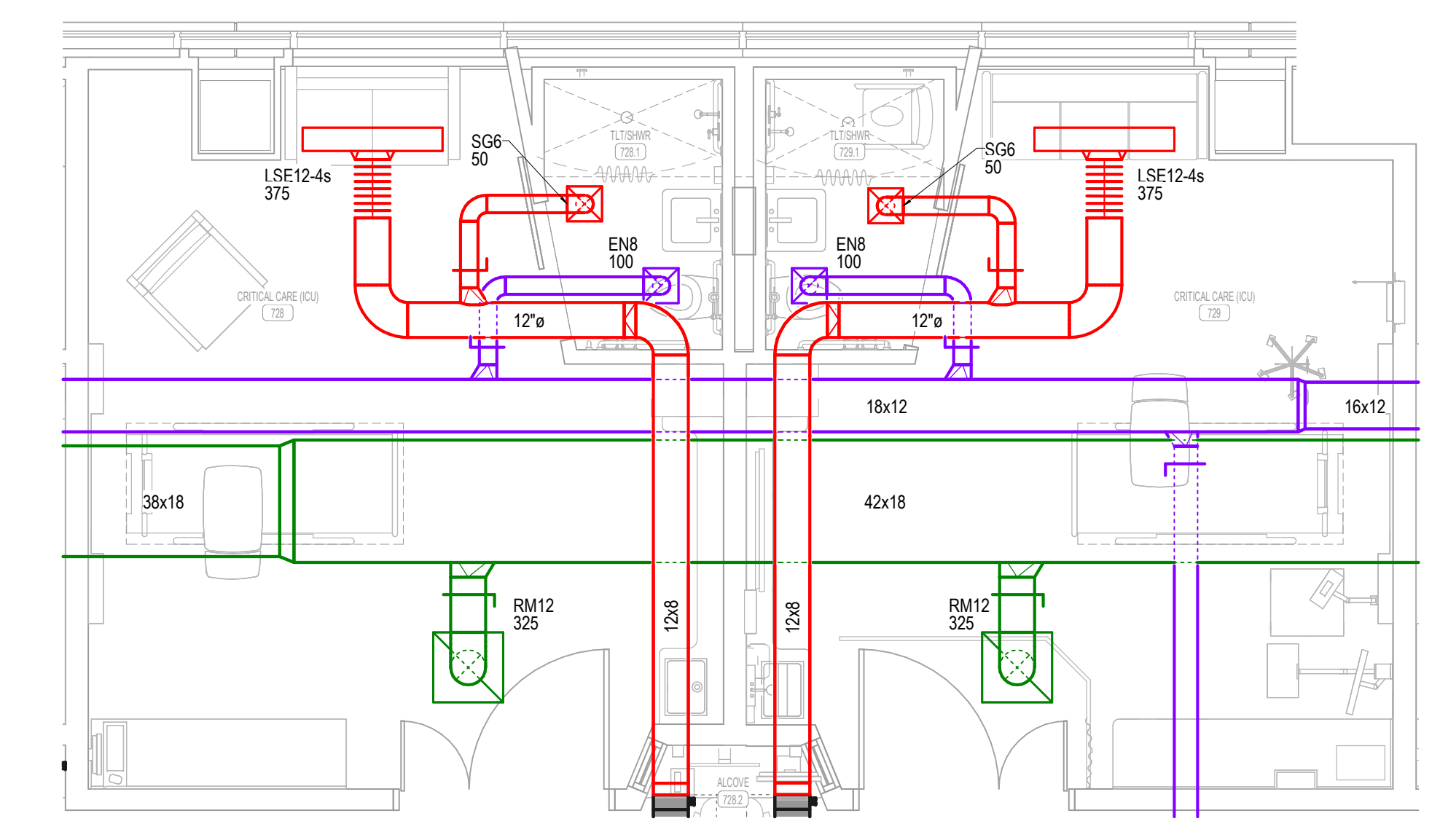
Floor No: **7TH FLOOR**
 Sheet No: **M4.1**



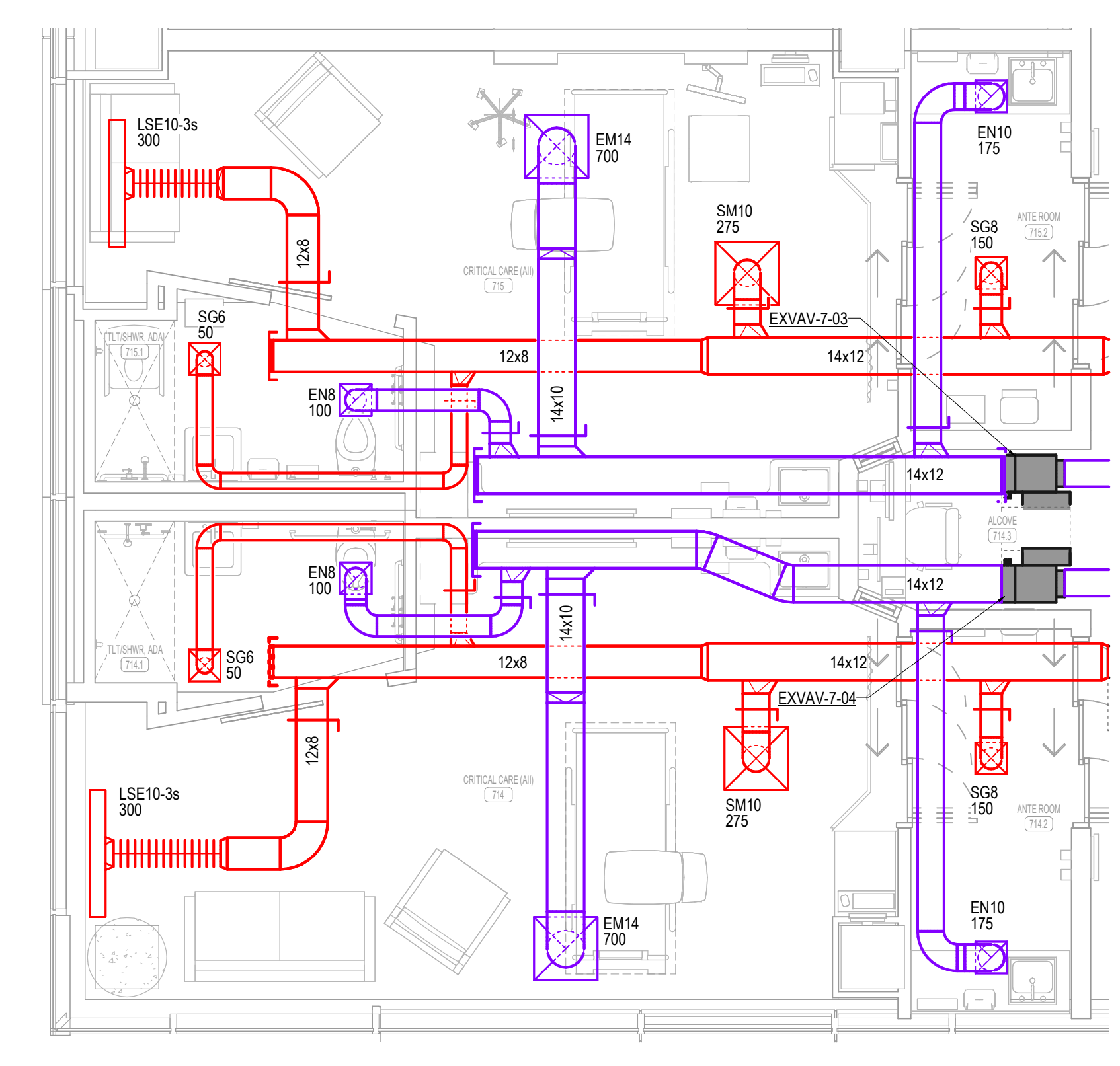
4 TYPICAL INTERMEDIATE CARE ROOM MECHANICAL PLAN
 1/4" = 1'-0"



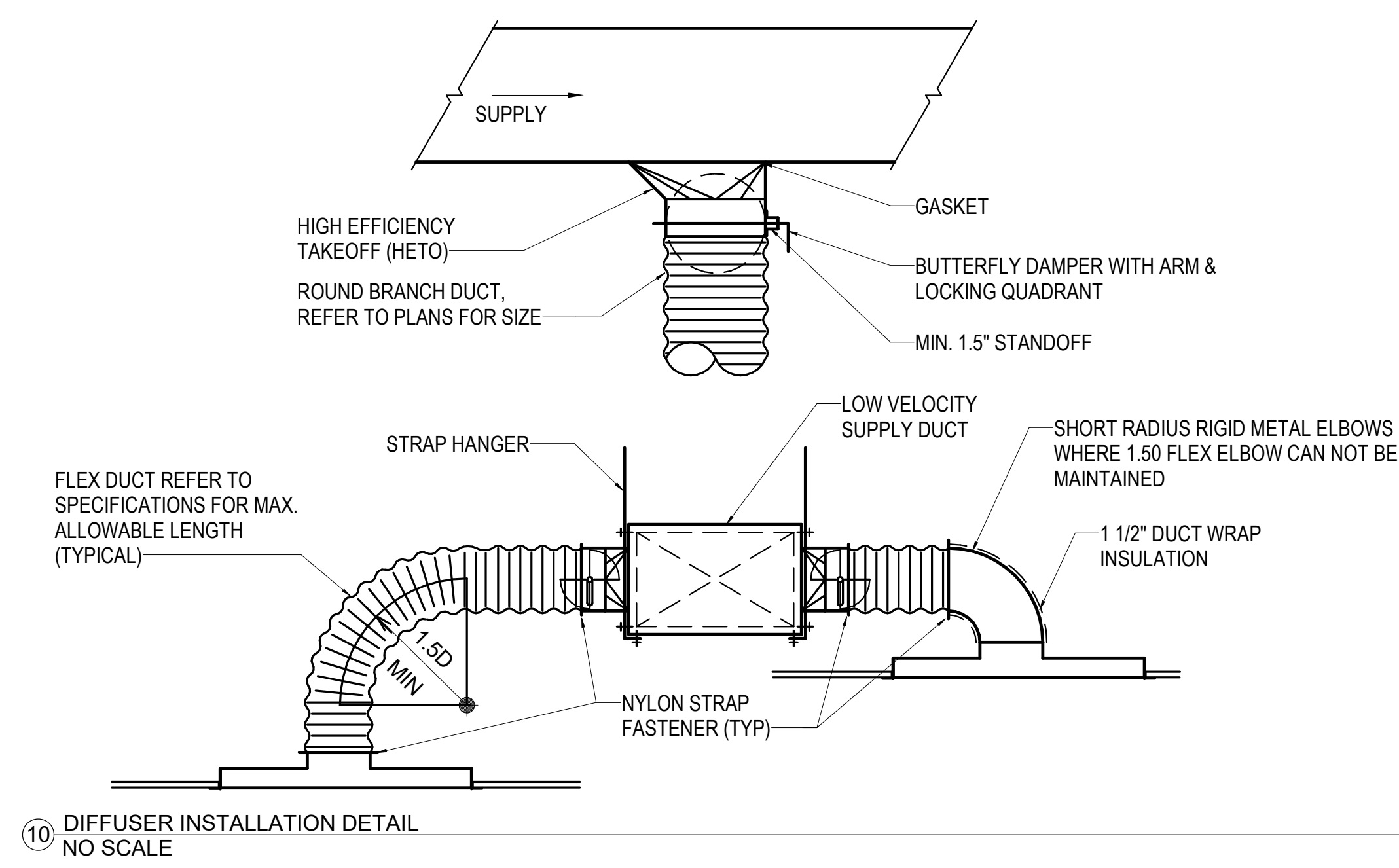
3 TYPICAL PATIENT OF SIZE ROOM MECHANICAL PLAN
 1/4" = 1'-0"



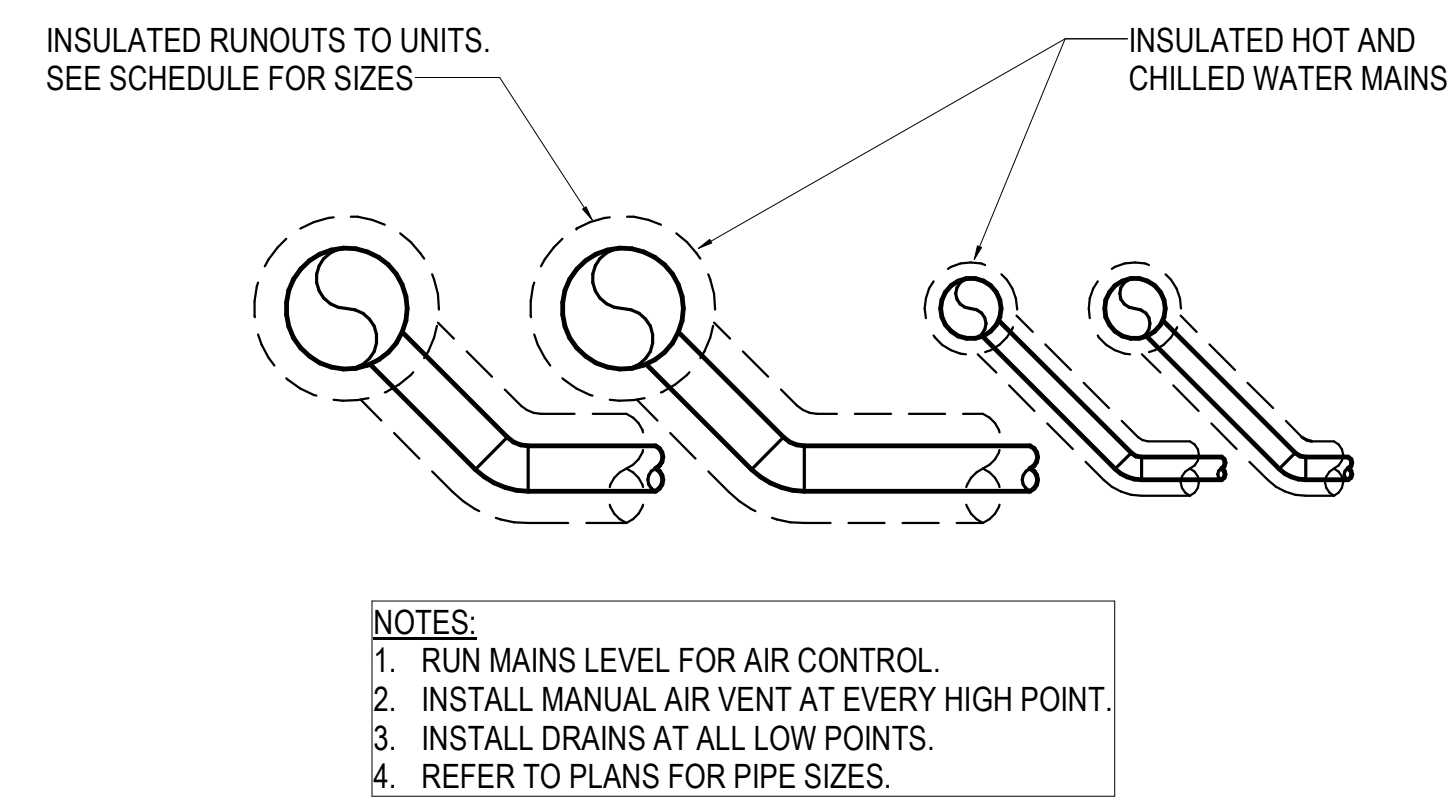
2 TYPICAL CRITICAL CARE ROOM MECHANICAL PLAN
 1/4" = 1'-0"



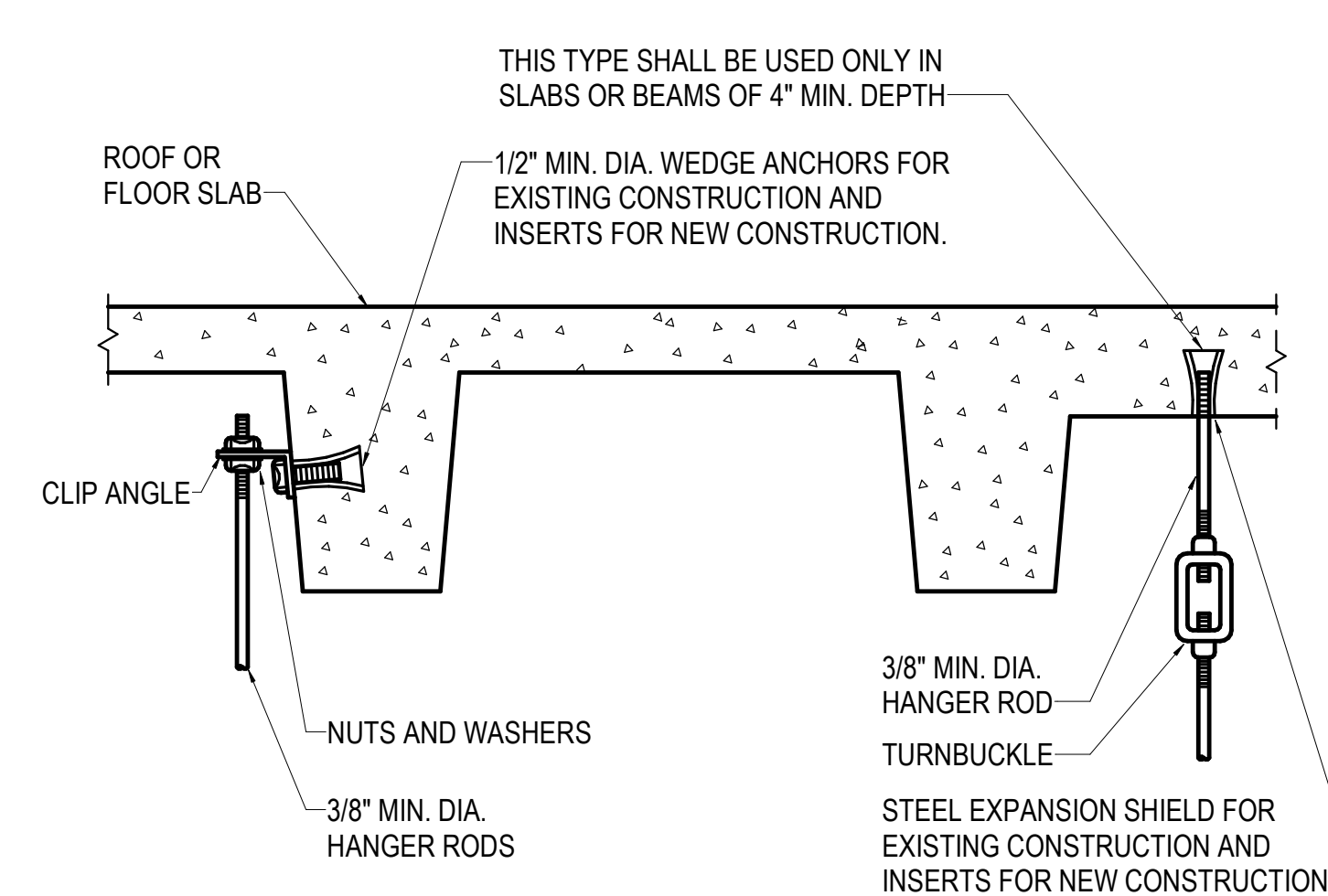
1 TYPICAL ISOLATION ROOM MECHANICAL PLAN
 1/4" = 1'-0"



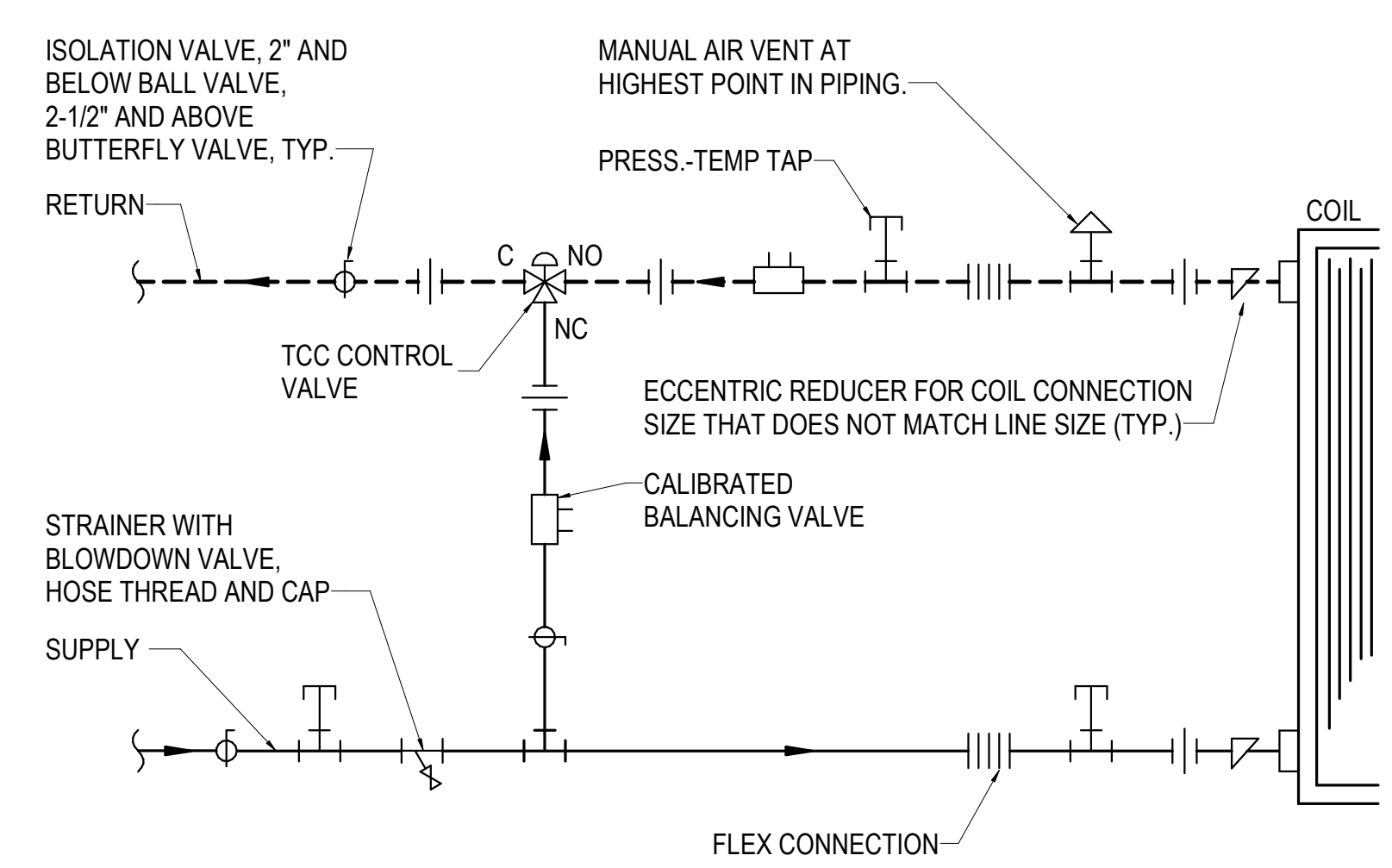
10 DIFFUSER INSTALLATION DETAIL
NO SCALE



9 HYDRONIC PIPING RUNOUT DETAIL
NO SCALE

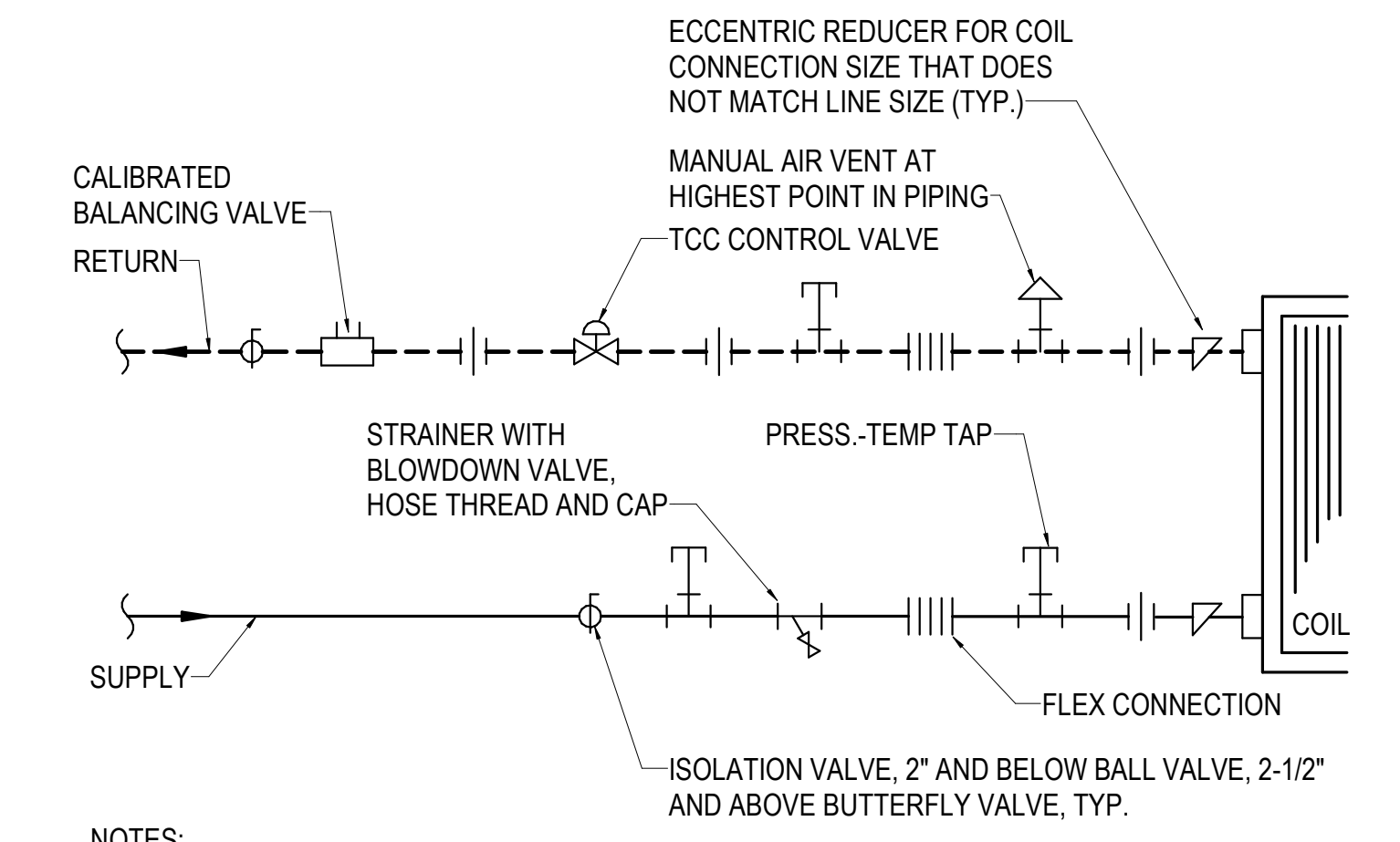


8 HANGER ROD DETAIL - TO CAST
NO SCALE



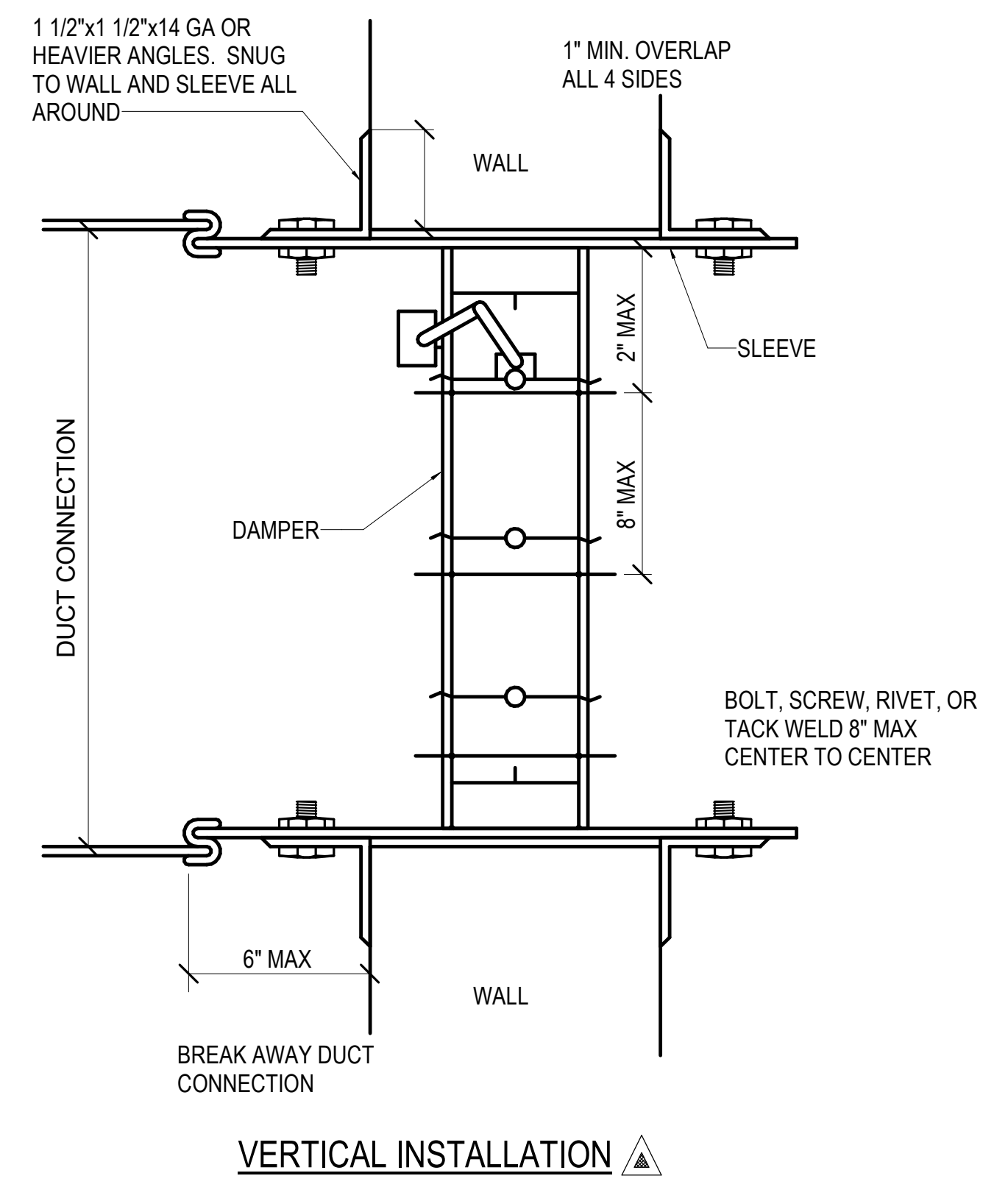
- NOTES:
1. COIL PIPING AND CONTROL VALVE TYPE FOR DIVERTING FLOW.
 2. FLEXIBLE PIPE CONNECTOR REQUIRED FOR EQUIPMENT CONTAINING FANS OR COMPRESSORS, BUT NOT REQUIRED FOR EQUIPMENT SUCH AS DUCT COILS. BRAIDED STAINLESS OR COPPER ONLY, NO RUBBER ALLOWED. MAX LENGTH OF 6 INCHES.
 3. PIPE ALL MULTI-ROW COILS FOR COUNTERFLOW (WATER ENTERS MOST DOWNSTREAM COIL, LEAVES MOST UPSTREAM COIL).
 4. REFER TO CONTROLS DRAWINGS FOR ADDITIONAL INFORMATION.
 5. 2-WAY VALVE NORMALLY OPEN FOR HEATING AND NORMALLY CLOSED FOR COOLING.
 6. CONFIRM SUPPLY AND RETURN CONNECTION LOCATIONS WITH EQUIPMENT MANUFACTURER'S LITERATURE PRIOR TO INSTALLATION.
 7. MEET MANUFACTURER'S REQUIREMENTS FOR ACTUATOR CLEARANCES AND STEM ORIENTATION.
 8. COORDINATE PIPING LOCATION WITH EQUIPMENT ACCESS DOORS, ELECTRICAL JUNCTION BOXES AND DRAIN PIPING.
 9. HYDRONIC PIPING SHALL BE MAINTAINED FULL SIZE UP TO COIL CONNECTIONS. SHUT-OFF VALVES, STRAINERS, BALANCE VALVES, ETC. WILL NOT BE ALLOWED TO REDUCE FROM LINE SIZE. CONTROL VALVES MAY BE DOWN SIZED FOR FLOW RATE, BUT NOT TO EXCEED 4 PSIG PRESSURE DROP AT DESIGN FLOW.

7 TERMINAL UNIT COIL PIPING - 3-WAY
NO SCALE



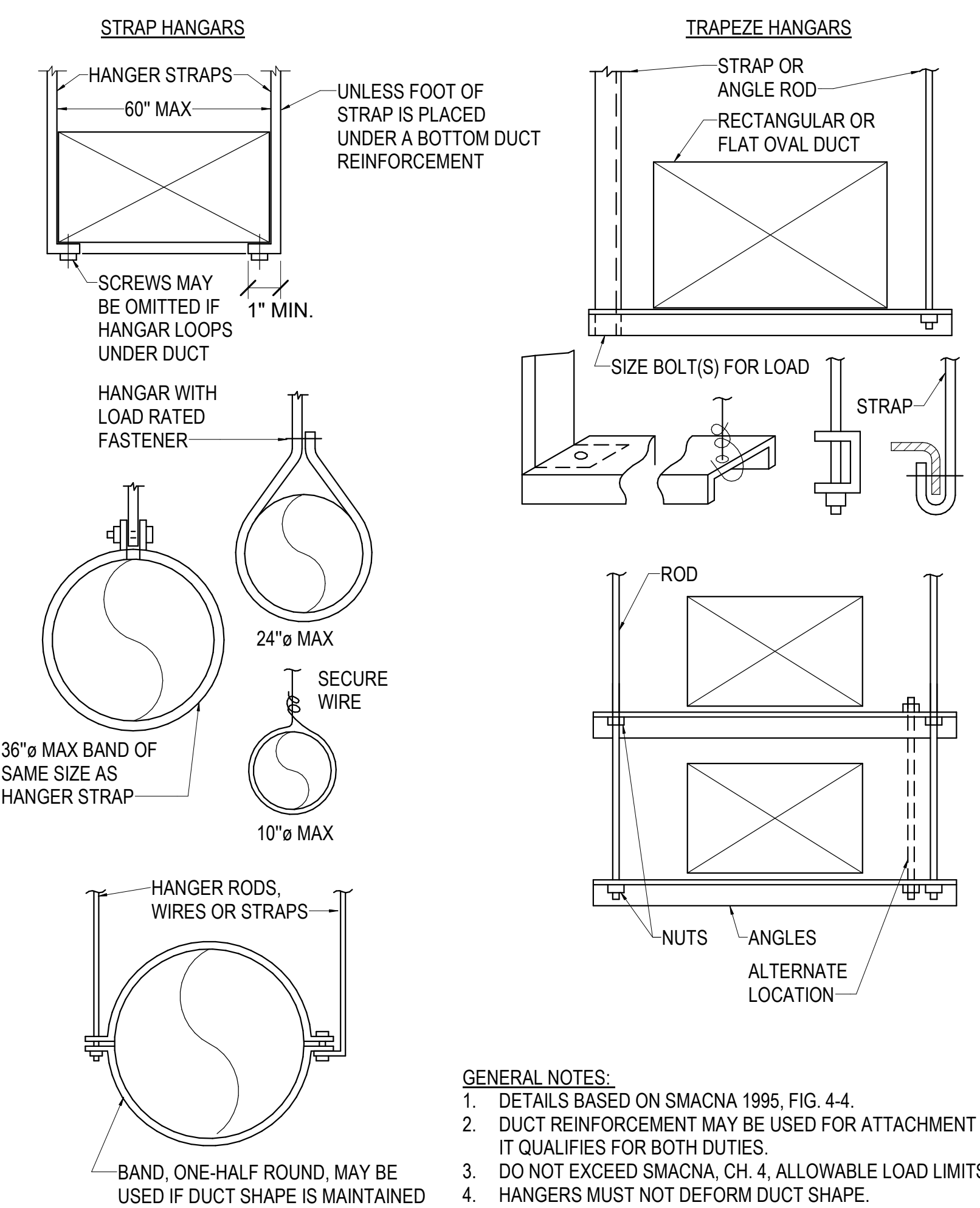
- NOTES:
1. FLEXIBLE PIPE CONNECTOR REQUIRED FOR EQUIPMENT CONTAINING FANS OR COMPRESSORS, BUT NOT REQUIRED FOR EQUIPMENT SUCH AS DUCT COILS. BRAIDED STAINLESS OR COPPER ONLY, NO RUBBER ALLOWED. MAX LENGTH OF 6 INCHES.
 2. PIPE ALL MULTI-ROW COILS FOR COUNTERFLOW (WATER ENTERS MOST DOWNSTREAM COIL, LEAVES MOST UPSTREAM COIL).
 3. REFER TO CONTROLS DRAWINGS FOR ADDITIONAL INFORMATION.
 4. 2-WAY VALVE NORMALLY OPEN FOR HEATING AND NORMALLY CLOSED FOR COOLING.
 5. CONFIRM SUPPLY AND RETURN CONNECTION LOCATIONS WITH EQUIPMENT MANUFACTURER PRIOR TO INSTALLATION.
 6. MEET MANUFACTURER'S REQUIREMENTS FOR ACTUATOR CLEARANCES AND STEM ORIENTATION.
 7. COORDINATE PIPING LOCATION WITH EQUIPMENT ACCESS DOORS, ELECTRICAL JUNCTION BOXES AND DRAIN PIPING.
 8. HYDRONIC PIPING SHALL BE MAINTAINED FULL SIZE UP TO COIL CONNECTIONS. SHUT-OFF VALVES, STRAINERS, BALANCE VALVES, ETC. WILL NOT BE ALLOWED TO REDUCE FROM LINE SIZE. CONTROL VALVES MAY BE DOWN SIZED FOR FLOW RATE, BUT NOT TO EXCEED 4 PSIG PRESSURE DROP AT DESIGN FLOW.

6 COIL PIPING DETAIL - TERMINAL UNIT-2-WAY
NO SCALE

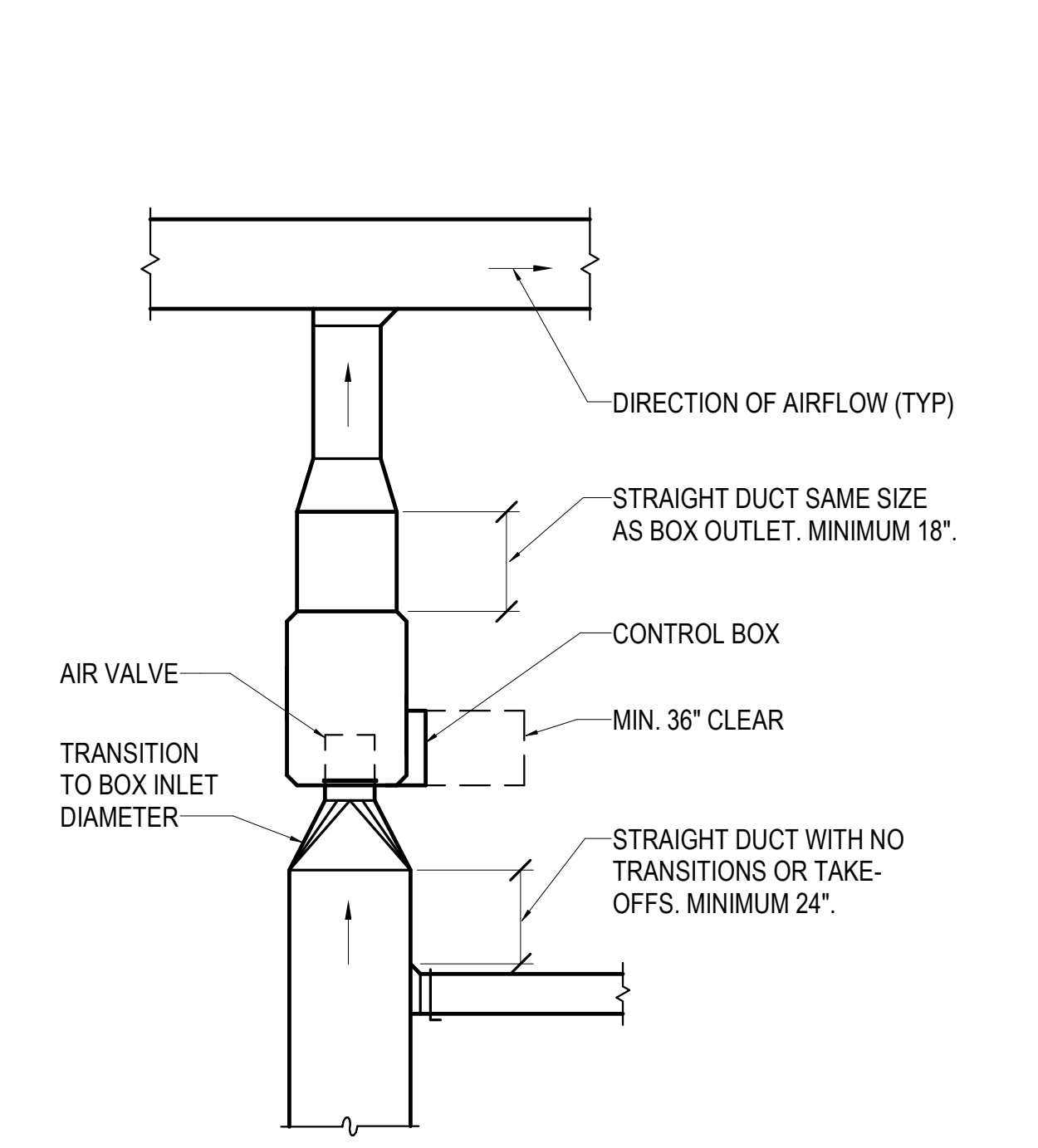


- NOTES:
1. OPENINGS IN FLOOR OR WALL SHALL BE 1/4" TO 1/2" LARGER THAN OVERALL SIZE OF FIRE DAMPER AND SLEEVE ASSEMBLY.
 2. ALL CONNECTIONS TO DUCTS SHALL CONFORM TO U.L. 555 AND NFPA 90A.
 3. MOUNTING ANGLES SHALL BE MIN. OF 1 1/2" X 1 1/2" X 14 GA. AND BOLTED, TACK WELDED, RIVETED, OR SCREWED TO SLEEVE AT MAX. SPACING OF 12" AND MIN. OF 2 CONNECTIONS PER SIDE, TOP, AND BOTTOM. MOUNTING ANGLES SHALL OVERLAP WALL AND FLOOR OPENING MIN. OF 1" ON ALL SIDES.
 4. DAMPER SHALL BE ATTACHED TO SLEEVE IN SAME MANNER AND SPACING AS MOUNTING ANGLES.
 5. THE LENGTH OF THE SLEEVE EXTENDING BEYOND THE WALL OR FLOOR OPENING SHALL NOT EXCEED 6" ON EACH SIDE.
 6. DAMPER INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND SHALL CONFORM TO NFPA 90-A AND UL 555.
 7. HARDCAST ALL FRAMES PRIOR TO INSTALLATION.

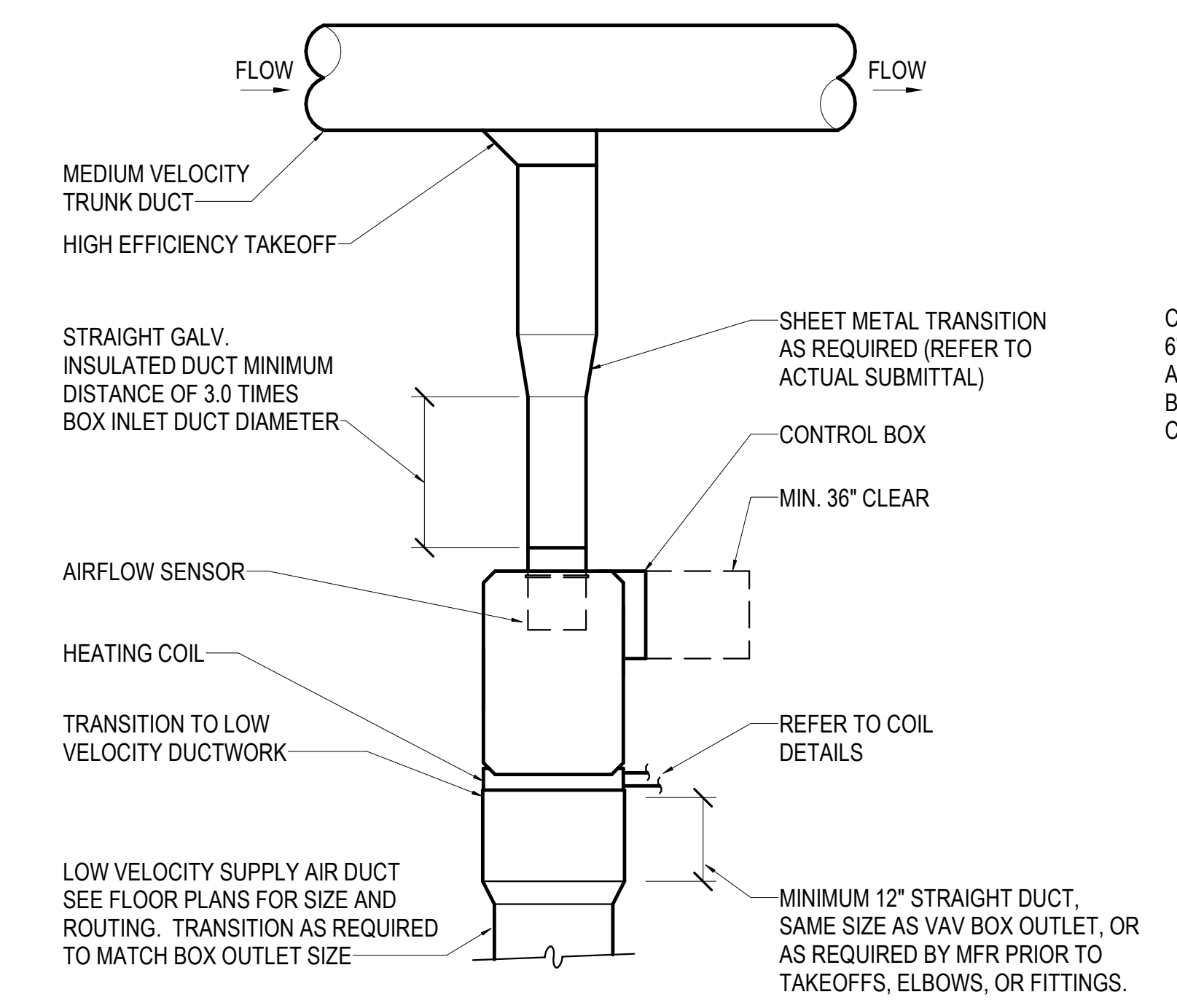
5 DAMPER INSTALLATION DETAIL - FIRE/SMOKE
NO SCALE



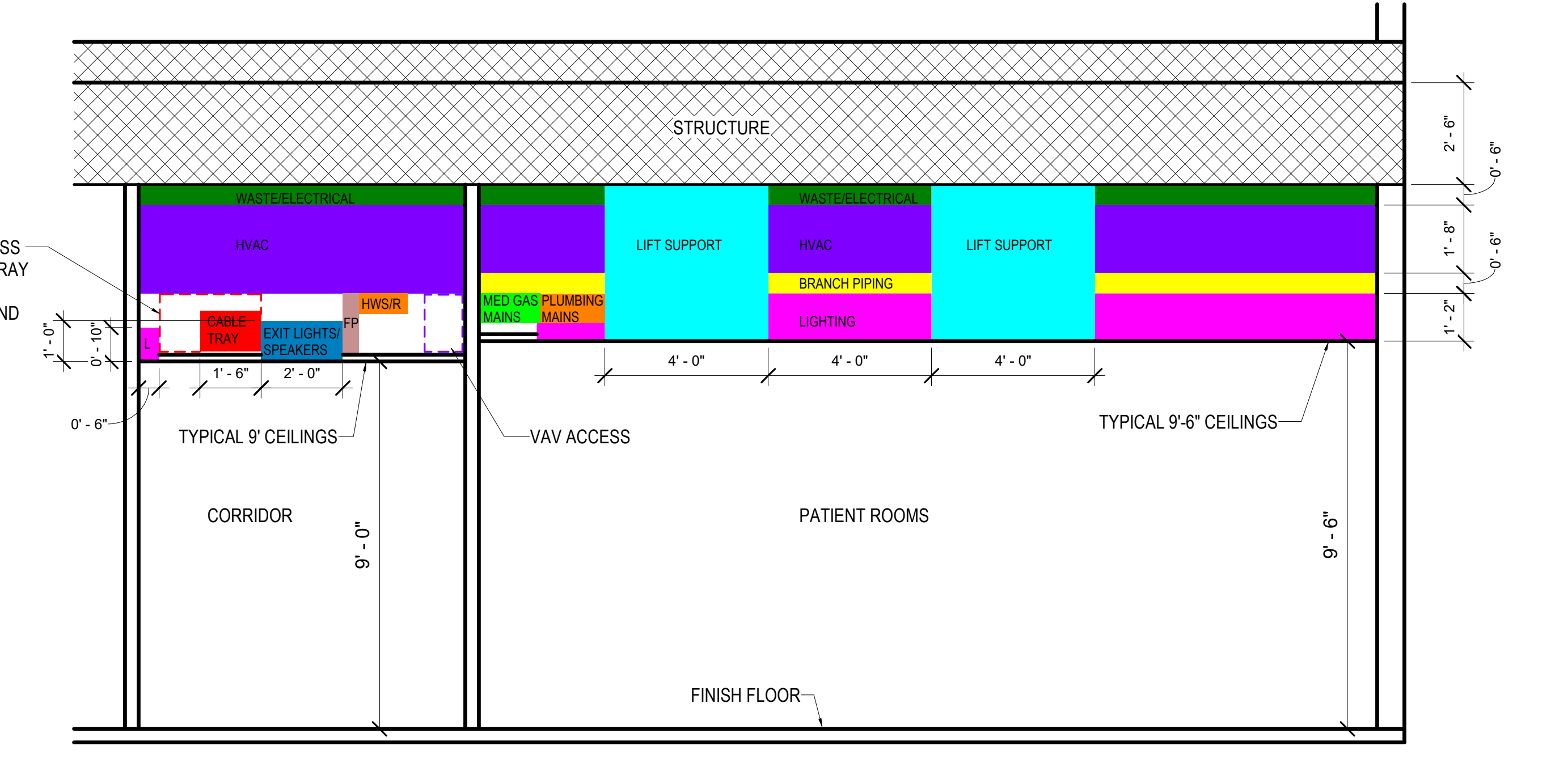
4 EXHAUST FAN DETAIL - IN-LINE
NO SCALE



3 TERMINAL UNIT DETAIL - EXHAUST
NO SCALE

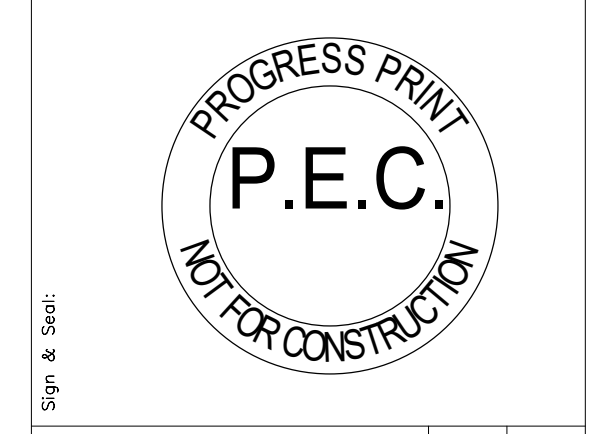


2 TERMINAL UNIT REHEAT DETAIL
NO SCALE



1 ABOVE CEILING ALLOCATIONS
NO SCALE

No.	Date	Description



Mercy Project No.: 2040-821203
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HVAC DETAILS



Sheet No.:
M5.1

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No.	Date	Description



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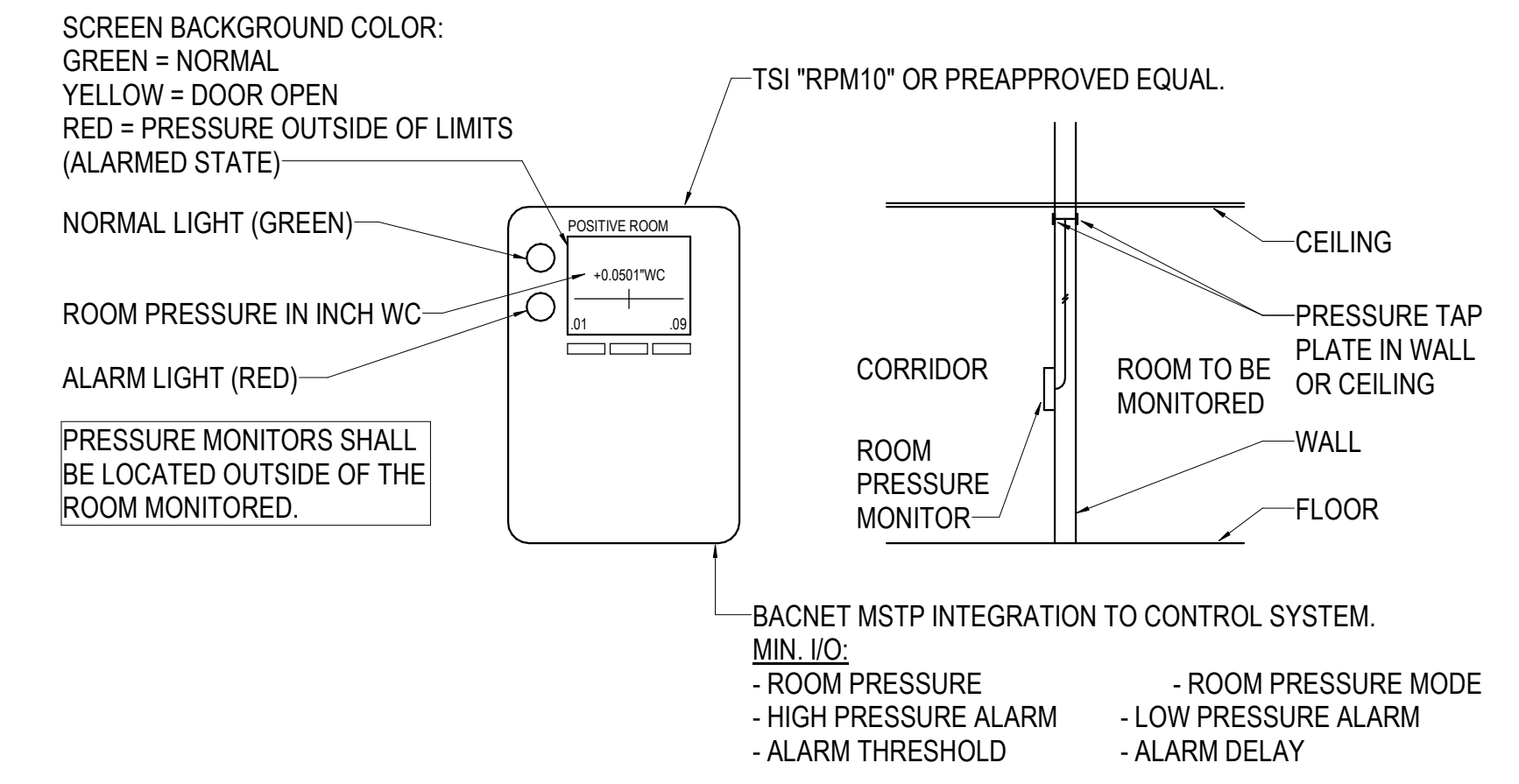
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Sheet Name: **CONTROL DETAILS**



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Sheet No.: **M7.1**

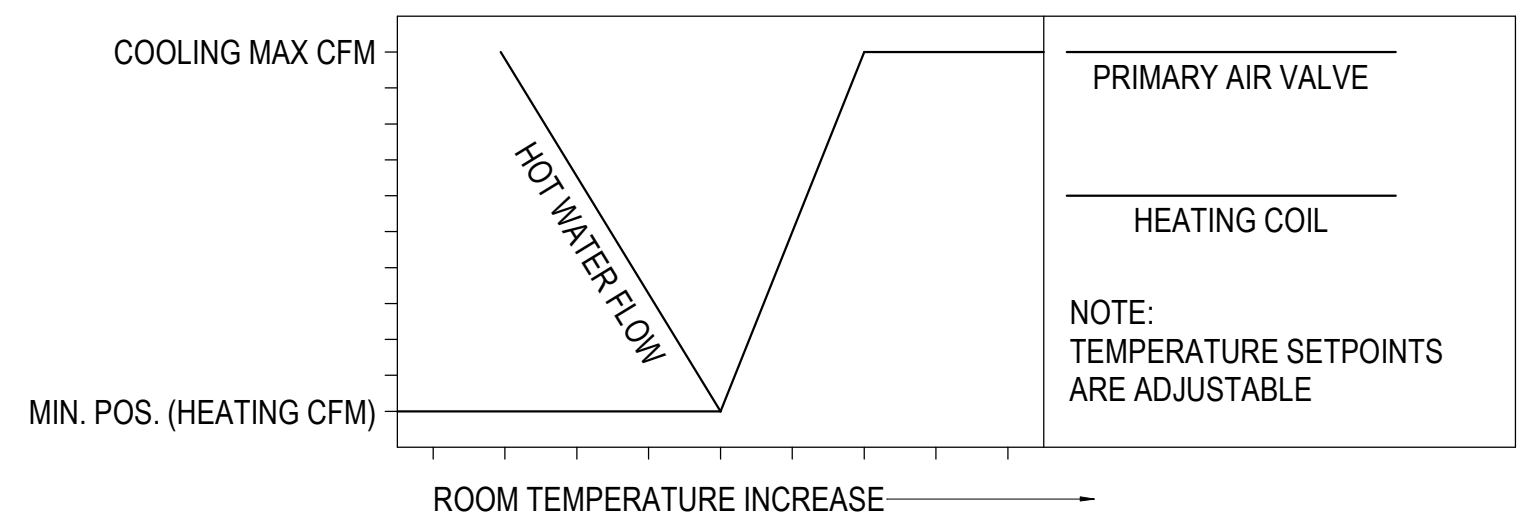


1 ROOM PRESSURE MONITOR DETAIL
 NO SCALE

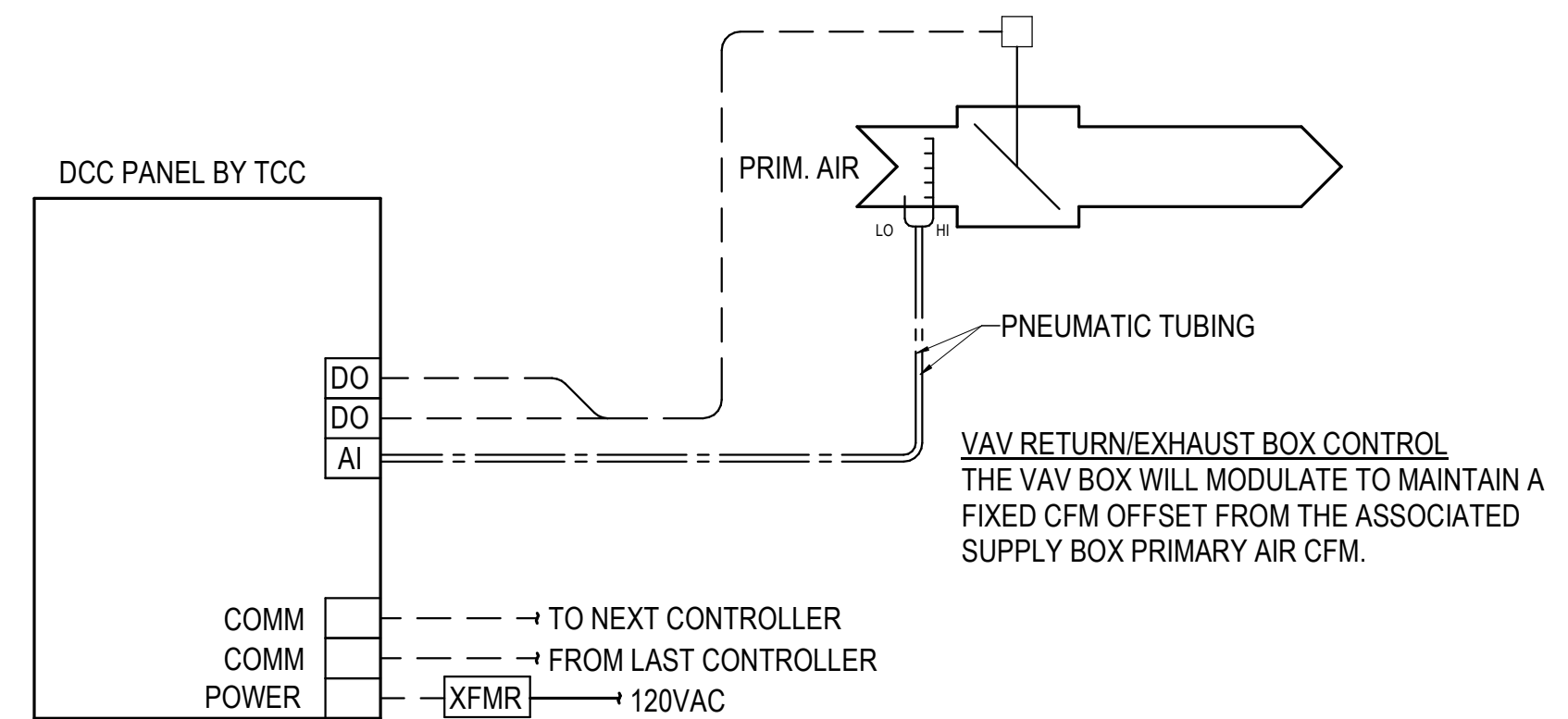
VAV SHUTOFF BOX (HW HEAT)

THE VAV DAMPER AND HOT WATER VALVE WILL MODULATE IN SEQUENCE TO MAINTAIN THE SPACE CONDITIONS AT THE OCCUPIED TEMPERATURE SETPOINTS. ON A CALL FOR COOLING, THE VARIABLE VOLUME DAMPER WILL BE MODULATED FROM MINIMUM CFM FLOW TO MAXIMUM COOLING CFM FLOW TO MAINTAIN SPACE CONDITIONS. ON A DROP IN SPACE TEMPERATURE THE VARIABLE VOLUME DAMPER WILL BE MODULATED TO ITS MINIMUM FLOW POSITION. ON A CALL FOR HEAT THE REHEAT VALVE OPENS AND THE AIRFLOW REMAINS AT MINIMUM AIRFLOW SETPOINT. WHEN DISCHARGE AIR TEMPERATURE REACHES 90°F AND SPACE IS STILL CALLING FOR HEAT, THEN THE AIR FLOW STARTS TO INCREASE. IN THE SAME TIME CONTROL VALVE SHALL MODULATE TO MAINTAIN 90° LAT. REHEAT VALVE SHALL BE LIMITED TO PROVIDE A MAXIMUM DISCHARGE TEMPERATURE OF 15 DEGREES ABOVE ROOM TEMPERATURE SETPOINT. DISCHARGE TEMPERATURE SHALL BE ALSO BE CONTROLLED TO BE A MINIMUM OF 52 DEGREES AT ALL TIMES.

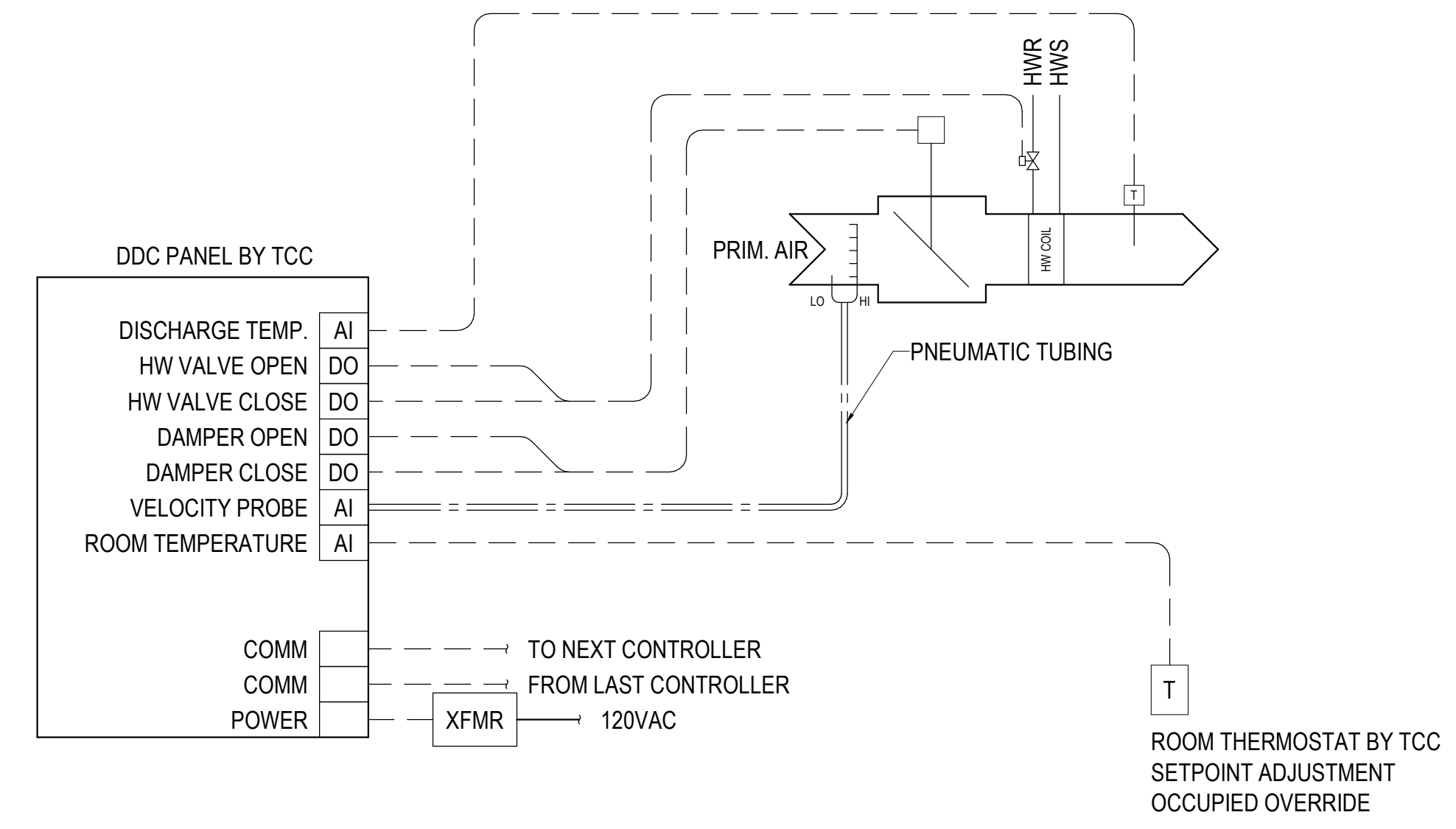
PROVIDE ALARMS FOR FAN FAILURE, HIGH/LOW DISCHARGE TEMPERATURE (10 DEGREES OFF SETPOINT), HIGH/LOW PRIMARY AIRFLOW (25% OFF SETPOINT), HIGH/LOW SPACE TEMPERATURE (10 DEGREES OFF SETPOINT).



2 CONTROL DIAGRAM-TERMINAL UNIT VAV WITH HW REHEAT-A3
 NO SCALE



3 CONTROL SCHEMATIC - VAV RETURN/EXHAUST BOX
 NO SCALE



11/11/2024 6:39:40 PM Autodesk Docs://H.AR.MERCY - Mercy Hospital NW Arkansas Projects/240179-000_MECH_R23.rvt