



CONTRACT DOCUMENT
REVISION NOTICE

Project: Fayetteville VAMC-Renovate Space for Logistics (B-1)
VA Project- 564-24-140
To: Collen Thomas
Tabitha Contreras
Re: RFI-16
Contract Document Revision Notice Number: 06
From: Jonathan Carr
Date: 3/17/2025
A/E Project Number: 19022-A
Contract For: VA Project #564-24-104

Specification Section: N/A Paragraph: N/A Drawing Reference: MD101-A, MH101-A, MP101-A & MH501-A Detail: N/A

CDRN-06 responds to RFI-16 by adjusting the aspect ratio of the supply duct penetrating the wall between Mechanical Room M1-3 and Sterile Storage L108, raising the conflicting medium pressure steam condensate pipe and moving conduit to 12" below insulated 28"x10" duct to penetrate the wall with the bottom of insulated duct at 8'-3" above the mechanical room floor, adding a transition to 22"x14" with B.O.D. at 8'-6" A.F.F. after the wall penetration and before the humidifier, and placing a keynote reference to the Duct Mounted Humidifier detail. Adjust notes on Detail E8 on sheet M501. Electrical contractor to reroute existing fire alarm conduit from existing fire alarm speaker junction boxes as needed to maintain a minimum clearance of twelve inches below the 28x10 supply air duct.

The following sheets and specification section are revised and reissued, as follows:

- 1. MD101-A: Basement and First Floor Mechanical Demolition Plan
a. Draws the existing medium pressure steam return piping to be rerouted and a keynote.
b. Adds note for the electrical contractor to reroute existing fire alarm speaker conduit to avoid conflict with 28x10 supply air duct.
2. MH101-A: First Floor and Loading Dock Roof Ductwork Plans
a. Adjusts the aspect ratio of penetrating duct in accordance with section 233100 par. 3.1.B.1 and adds transition.
b. Adds keynote reference to detail E8 on MH501-A.
3. MP101-A: Basement and First Floor Mechanical Piping Plans
a. Raises existing medium pressure steam return piping and adds a keynote.
4. MH501-A: Details
a. Corrects note numbering on detail E8.

Attachments: MD101-A, MH101-A, MP101-A, MH501-A

Jonathan M. Carr

Signed by:

Date: 03/17/2025

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**GENERAL NOTES**

1. REFER TO SHEET MH001-A FOR LEGENDS, STANDARDS, AND ABBREVIATIONS.

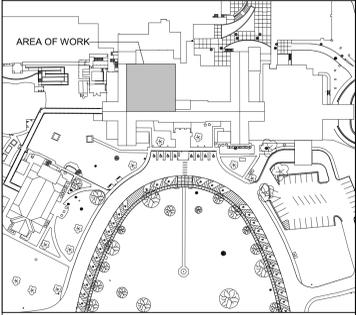
**SHEET KEYNOTES**

- 1 DEMOLISH DUCTWORK AND ASSOCIATED TERMINAL UNITS, DIFFUSERS, GRILLES, AND ACCESSORIES BACK TO MAIN AND CAP DUCTS.
- 2 REMOVE 2" CHWIR RIRING IN THIS LOCATION AND OFFSET BELOW FLOOR TO NEW LOCATION SHOWN.
- 3 EXISTING 14"x8" EXHAUST DUCT UP TO EF-3.
- 4 REMOVE CEILING CASSETTE AND ASSOCIATED CONDENSING UNIT AND TURN OVER TO THE VA.
- 5 CUT EXISTING DUCT SO THAT THE INTAKE SCREEN/GRILLE CAN BE REATTACHED.
- 6 EXISTING 24"x12" SUPPLY DUCT DOWN FROM 1-AHU-10.
- 7 EXISTING 24"x12" RETURN DUCT UP TO 1-AHU-10.
- 8 EXISTING 30"x26" SUPPLY DUCT DOWN FROM 1-AHU-2.
- 9 EXISTING 28"x26" EXHAUST DUCT UP TO 1-EF-5.
- 10 ALL WORK IN CORRIDOR L108 MUST BE PERFORMED AFTER HOURS. CORRIDOR MUST BE PATIENT ACCESSIBLE DURING FACILITY OPERATION HOURS. SEE SHEET KE114A FOR MORE INFORMATION.
- 11 PERFORM THIS WORK AFTER HOURS, FOR NO MORE THAN FOUR HOURS.
- 12 REMOVE EXISTING HORIZONTAL MEDIUM PRESSURE STEAM RETURN PIPE BETWEEN POINTS SHOWN.
- 13 ELECTRICAL CONTRACTOR TO REROUTE FIRE ALARM CONDUIT FROM EXISTING FIRE ALARM SPEAKER JUNCTION BOXES AS NEEDED TO MAINTAIN A MINIMUM CLEARANCE OF 12 INCHES BELOW THE 2" INSULATED SW DUCT. COORDINATE ROUTING WITH MECHANICAL AND OTHER TRADES TO AVOID CONFLICTS.

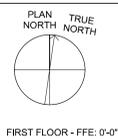
**PARTITION GRAPHICS**

- NO RATING
- SMOKE RESISTIVE PARTITION - NON RATED
- 1 HOUR FIRE BARRIER
- 1 HOUR FIRE/SMOKE BARRIER
- 2 HOUR FIRE BARRIER
- 2 HOUR FIRE/ SMOKE BARRIER

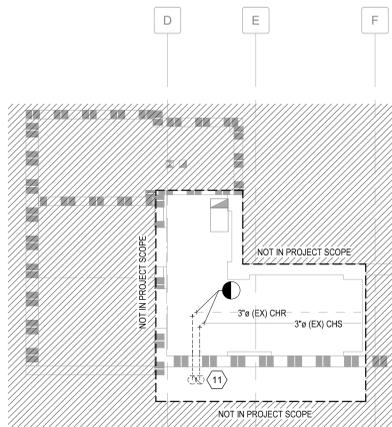
**KEY PLAN**



**NORTH LEGEND**



**C2 BASEMENT ELEVATOR LOBBY MECHANICAL DEMOLITION PLAN**  
1/8" = 1'-0"



**F4 FIRST FLOOR MECHANICAL DEMOLITION PLAN**  
1/8" = 1'-0"



1 2 3 4 5 6 7 8 9 10

A

B

C

D

E

F

1 2 3 4 5 6 7 8 9 10

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 Autodesk Docs:191022 - Fayetteville IDIQ Project No. 564-14-03 Renovation of SPS:1902A - MECH - R024.rvt  
 VA FORM 08 - 6231

2	CDRN-06	03/17/2025
1	AMENDMENT 02	07/11/2024
Revision Number	Revisions:	Date:

**CONSULTANTS**  
CONSULTING STRUCTURAL ENGINEERS

**ARCHITECT/ENGINEER OF RECORD**

A/E:  
HARRELL DESIGN GROUP PC  
10720 SIKES PLACE, SUITE 100  
CHARLOTTE, NC 28277  
704-814-1346  
POC: LEE HARRELL PE, LEED AP, QCCP  
PRESIDENT  
HDG PROJECT: 19022

**MP**

**DRAWING TITLE**  
BASEMENT AND FIRST FLOOR MECHANICAL DEMOLITION PLAN

**PHASE**  
CONSTRUCTION DOCUMENTS SUBMISSION

**APPROVED**

**FULLY SPRINKLERED**

**PROJECT TITLE**  
RENOVATE SPACE FOR LOGISTICS (B-1)

**PROJECT NUMBER**  
564-24-104

**BUILDING NUMBER**  
1

**DRAWING NUMBER**  
MD101-A

**LOCATION**  
FAYETTEVILLE VA MEDICAL CENTER

**ISSUE DATE**  
11 APRIL 2024

**CHECKED**  
WGG

**DRAWN**  
ANB

**Engineering Service**

**VETERANS HEALTH CARE SYSTEM OF THE OZARKS**

**GENERAL NOTES**

1. REFER TO SHEET MH101-A FOR LEGENDS, STANDARDS, AND ABBREVIATIONS.

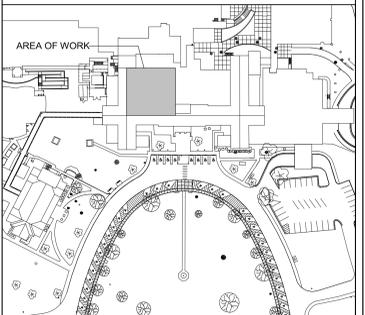
**SHEET KEYNOTES**

1. PROVIDE NEW SUPPLY AND RETURN GRILLES IN THIS AREA, CONNECT TO EXISTING DUCTWORK.
2. TRANSITION 18"X18" EXHAUST DUCT TO FAN INLET SIZE BELOW LOADING DOCK ROOF PENETRATION.
3. EXISTING 14"X18" EXHAUST DUCT UP TO EF-3.
4. ROUTE REFRIGERANT PIPING TO AIR HANDLER ON FIRST FLOOR.
5. REATTACH EXISTING INTAKE SCREEN/GRILLE.
6. 3 HP VFD W/ INTERNAL BYPASS FOR 1-AHU-10.
7. EXISTING 24"X12" SUPPLY DUCT DOWN FROM 1-AHU-10.
8. EXISTING 24"X12" SUPPLY DUCT UP TO 1-AHU-10.
9. EXISTING 30"X20" SUPPLY DUCT DOWN FROM 1-AHU-2.
10. EXISTING 20"X20" EXHAUST DUCT UP TO 1-EF-5.
11. BAS CONTROL PANEL.
12. ROUTE NEW REFRIGERANT LINES DOWN THROUGH ROOF TO AIR HANDLER USING PATE MODEL PCC-1 OR APPROVED EQUAL WITH 3 PENETRATIONS.
13. ALL WORK IN CORRIDOR L108 MUST BE PERFORMED AFTER HOURS. CORRIDOR MUST BE PATIENT ACCESSIBLE DURING FACILITY OPERATION HOURS. SEE SHEET L108 FOR MORE INFORMATION.
14. REFER TO DETAIL E8 ON MH501-A FOR INSTALLATION REQUIREMENTS.

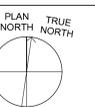
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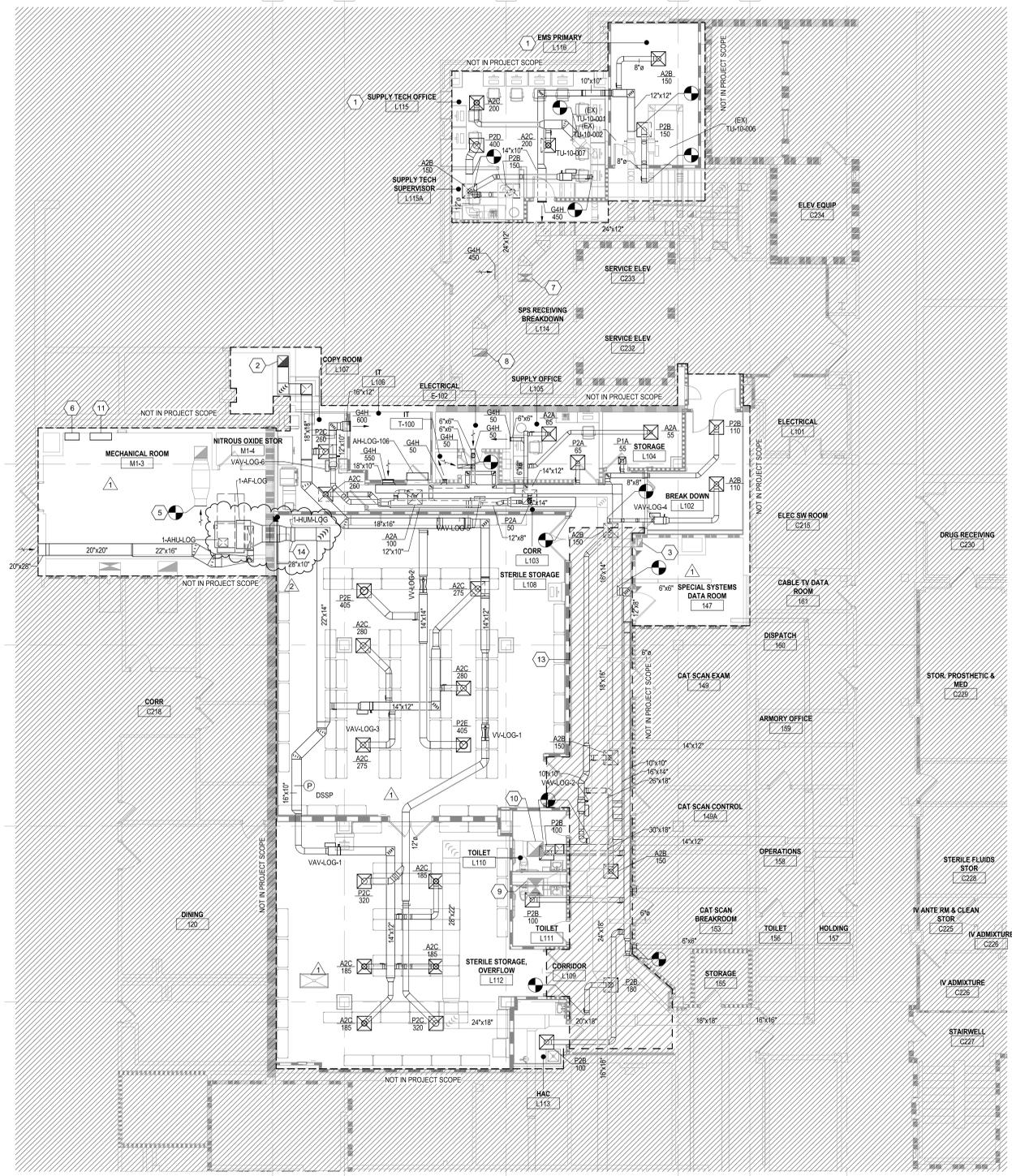
**KEY PLAN**



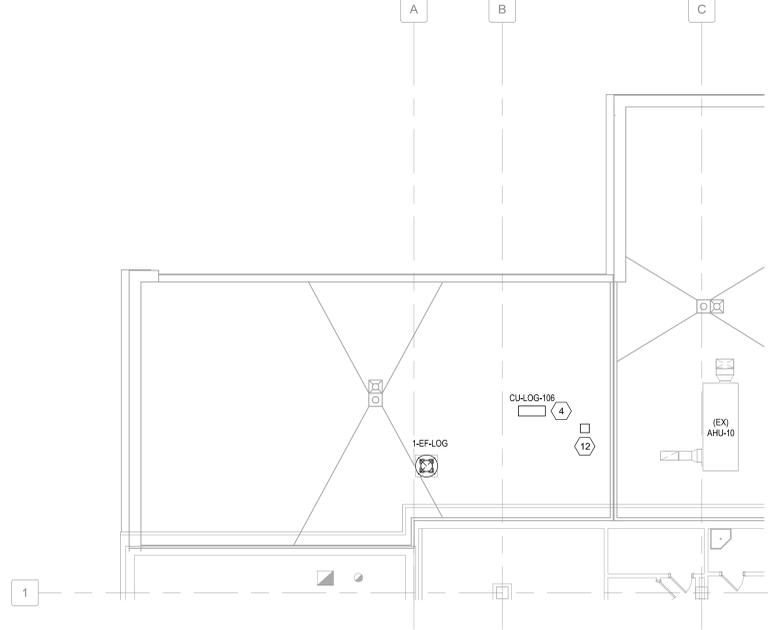
**NORTH LEGEND**



FIRST FLOOR - FFE: 0'-0"



**F4 FIRST FLOOR DUCTWORK PLAN**  
1/8" = 1'-0"



**C1 LOADING DOCK ROOF DUCTWORK PLAN**  
1/8" = 1'-0"

1 2 3 4 5 6 7 8 9 10

A B C D E F

3/17/2025 4:20:24 PM  
Autodesk Docs:191022 - Fayetteville IDIQ Project No. 564-14-03 Renovation of SPS 1802A - MECH - R2024.rvt

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PRESIDENT  
HDG PROJECT: 19022

**IP**

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Charlottesville, VA  
Professional Engineer  
No. 004946  
2025.05.17  
16:54:38-04:00

**DRAWING TITLE**  
FIRST FLOOR AND LOADING DOCK ROOF DUCTWORK PLANS

**APPROVED**

**PHASE**  
CONSTRUCTION DOCUMENTS SUBMISSION

**FULLY SPRINKLERED**

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**ISSUE DATE**  
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564-24-104

**BUILDING NUMBER**  
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**DRAWING NUMBER**  
MH101-A

**Engineering Service**

VETERANS HEALTH CARE SYSTEM OF THE OZARKS

U.S. Department of Veterans Affairs

VA FORM 08 - 6231 1 2 3 4 5 6 7 8 9 10

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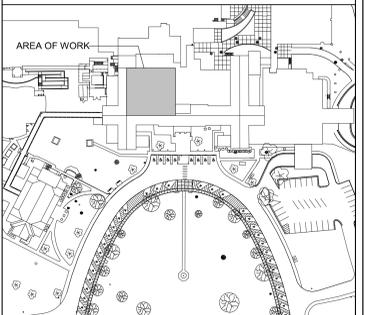
**SHEET KEYNOTES**

- ROUTE REFRIGERANT PIPING TO CONDENSING UNIT ON LOADING DOCK ROOF.
- ELECTRONIC ARRAY OF ALL ROOMS, PRESSURES, AND TEMPERATURES. 'RED' SIGNIFIES ALARM, 'GREEN' SIGNIFIES NORMAL OPERATION.
- 3 HP VFD W/ INTERNAL BYPASS FOR 1-AHJ-LOG.
- BAS CONTROL PANEL.
- ALL WORK IN CORRIDOR L105 MUST BE PERFORMED AFTER HOURS. CORRIDOR MUST BE PATIENT ACCESSIBLE DURING FACILITY OPERATION HOURS. SEE SHEET AE111-A FOR MORE INFORMATION.
- ONE INVERTED BUCKET AND TWO FLOAT AND THERMOSTATIC TRAPS SERVING 1-AHJ-LOG.
- PROVIDE A MINIMUM OF 12" BETWEEN EDGES OF PIPE OPENINGS.
- PROVIDE A MINIMUM OF 12" BETWEEN EDGES OF PIPE OPENINGS.
- INSTALL MEDIUM PRESSURE STEAM RETURN PIPE AT 10'-0" A.F.F.

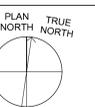
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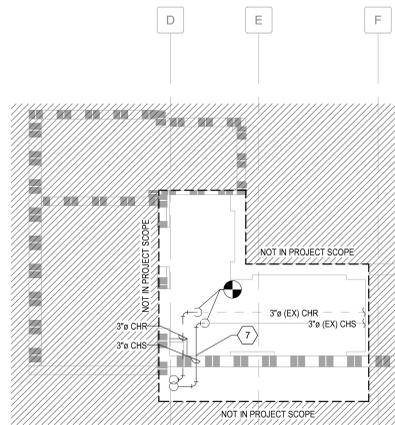
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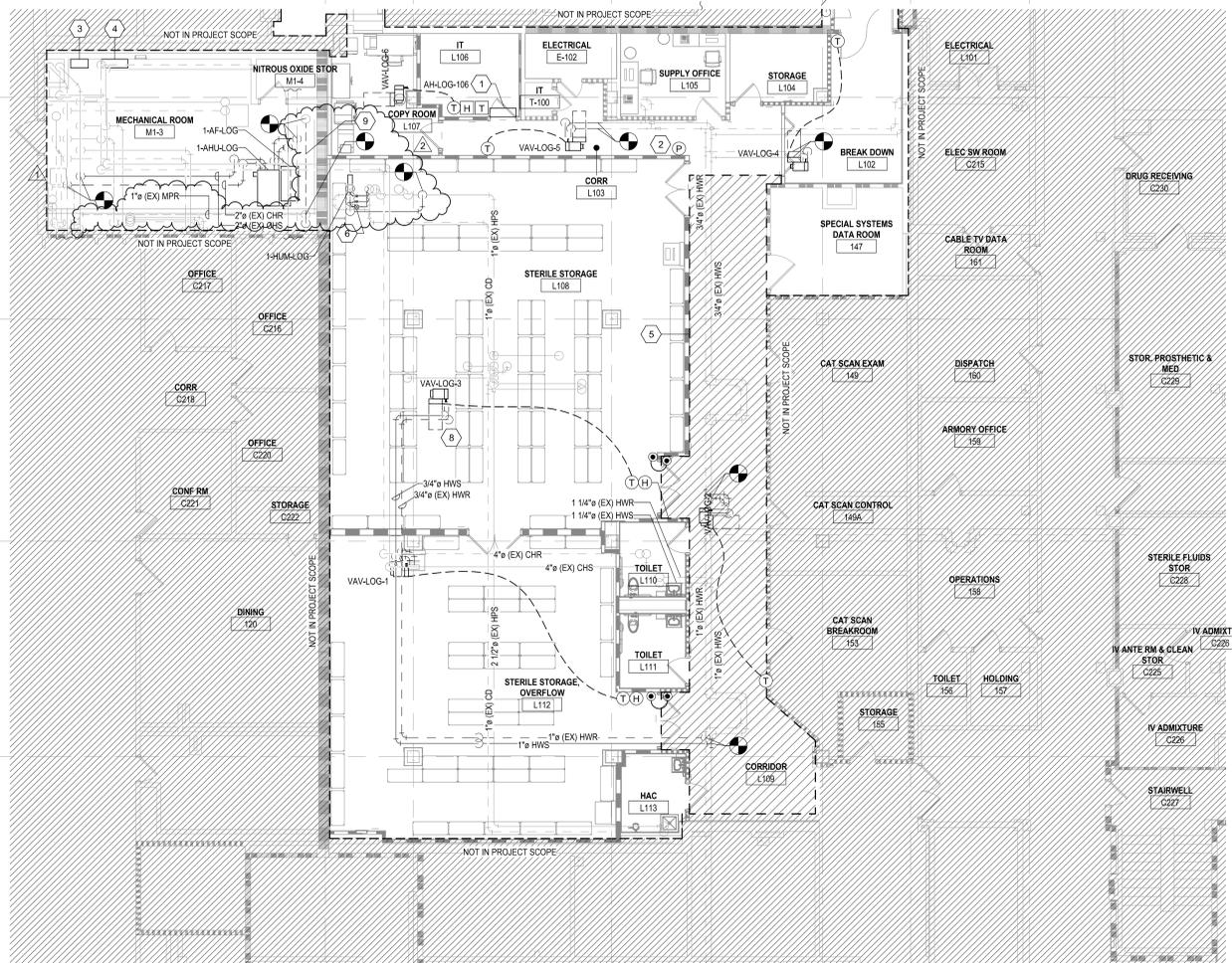
**NORTH LEGEND**



FIRST FLOOR - FFE: 0'-0"



**C2 BASEMENT ELEVATOR LOBBY MECHANICAL PLAN**  
1/8" = 1'-0"



**F4 FIRST FLOOR MECHANICAL PIPING PLAN**  
1/8" = 1'-0"

3/17/2024 4:20:28 PM Autodesk Docs:191022 - Fayetteville IDIQ Project No. 564-14-03 Renovation of SPS 1902A - MECH - R024.rvt

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HDG PROJECT: 19022

**DRAWING TITLE**  
BASEMENT AND FIRST FLOOR MECHANICAL PIPING PLANS

APPROVED

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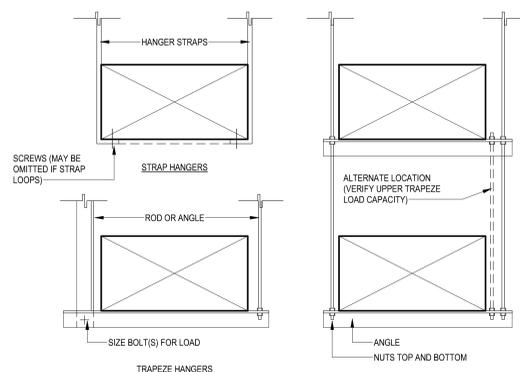
**Engineering Service**

VETERANS HEALTH CARE SYSTEM OF THE OZARKS

U.S. Department of Veterans Affairs

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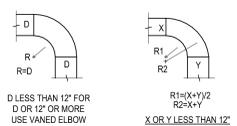
Autodesk Docs: 19/022 - Fayetteville IDIQ Project No. 564-14-03 Renovation of SPS/19022A - MECH - R2024.rvt



HANGER STRAPS OR RODS FOR ROUND DUCT			
MAX. DUCT Ø IN.	QUANTITY/SIZE IN.	MAX. LOAD LBS.	MAX. SPACING IN.
26	ONE 1 x 22 GA. STRAP	260	144
36	ONE 1 x 18 GA. STRAP	420	144
50	ONE 1 x 16 GA. STRAP	700	144
60	TWO 3/8 Ø RODS	1320	144
84	TWO 1/2 Ø RODS	2500	144

NOTE:  
1. TABULATED DATA FROM SMACNA ALLOWS FOR DUCT REINFORCING AND INSULATION, BUT NO EXTERNAL LOAD.  
2. WIRE HANGERS ARE PROHIBITED.

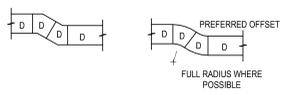
**C1 DUCT HANGERS**  
NOT TO SCALE



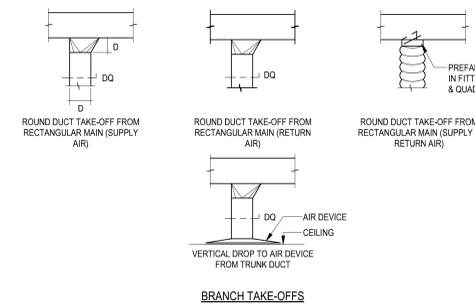
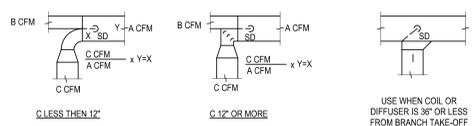
**90° RADIUS ELBOWS**



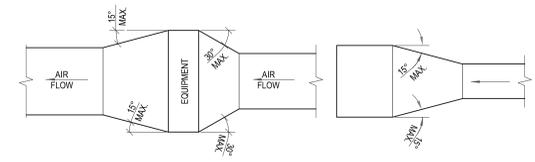
**90° TEES**



**OFFSETS**



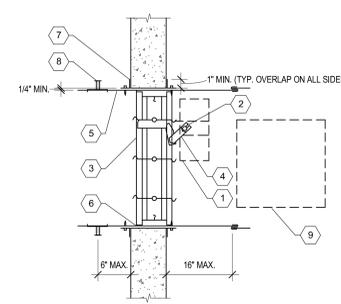
**F1 LOW PRESSURE DUCT FITTINGS**  
NOT TO SCALE



**TYPICAL DUCTWORK TRANSITION WITH EQUIPMENT MOUNTED IN DUCT**  
PLAN OR SIDE VIEW

NOTES:  
UNLESS OTHERWISE INDICATED ON PLANS, MAXIMUM ANGLES SHOWN SHALL APPLY.

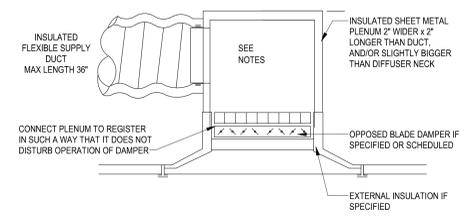
**A3 DUCTWORK TRANSITIONS (WITH EQUIPMENT MOUNTED IN DUCTS)**  
NOT TO SCALE



- KEYNOTES:  
1. ACTUATOR  
2. AUXILIARY OPERATING JACKSHAFT  
3. DAMPER  
4. OVER-CENTER LINK  
5. SILEV  
6. CAULKING MATERIAL (MAY BE ON EITHER SIDE OF DAMPER FRAME)  
7. MOUNTING ANGLES (PPMA, FAST, OR CONVENTIONAL ANGLES)  
8. DUCT/ELEV CONNECTION  
9. ACCESS PANEL

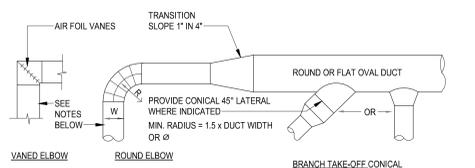
- GENERAL NOTES:  
1. ALL MOTORS SHALL BE 115V, 60HZ, FACTORY-MOUNTED, UL APPROVED.  
2. ALL ELECTRICAL CONNECTIONS MUST COMPLY WITH THE LOCAL CODE REQUIREMENT.  
3. MOTOR SHALL BE FIELD REPLACEABLE WITHOUT DISTURBING DAMPER SYSTEM.  
4. MOTORS SHALL BE WIRED THROUGH EMT OR GREENFIELD BY DIVISION 28 TO A STANDARD JUNCTION BOX LOCATED ON THE OUTSIDE OF THE DUCT.  
5. DIVISION 28 TO FIELD WIRE AND INSTALL AS REQUIRED. PROVIDE TEST SWITCH AND PERFORM OPERATING TEST AFTER INSTALLATION.  
6. MOTOR SHALL BE LOCATED TO PROVIDE ACCESS FOR MAINTENANCE.  
7. PROVIDE ACCESS DOOR IN DUCTWORK IN ACCESSIBLE LOCATION ON ACTUATOR SIDE OF DAMPER FOR MAINTENANCE.  
8. FUSIBLE LINK SHALL BE RATED FOR 200 DEGREES F.

**D4 COMBINATION FIRE/ SMOKE DAMPER**  
NOT TO SCALE



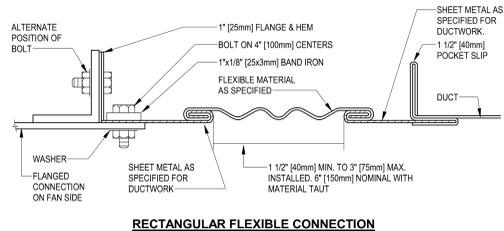
- NOTES:  
1. INSULATION REQUIRED ON SUPPLY ONLY.  
2. INLET PLENUM HEIGHT SHALL BE AS REQUIRED BY INLET DUCT & FIELD CONDITIONS (GENERALLY 2" HIGHER THAN INLET DUCT Ø, BUT HIGHER IF REQUIRED BY LIGHTS, ETC.)

**E4 LIMITED CLEARANCE DIFFUSER DUCTING**  
NOT TO SCALE

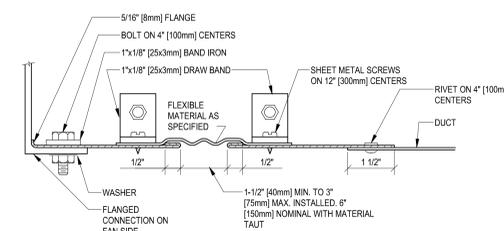


- NOTES:  
1. NO BALANCING DAMPER IN MED & HIGH PRESSURE DUCTS.  
2. PROVIDE RADIUS ELBOW IN ROUND AND RECTANGULAR DUCTS IN ALL LOCATIONS WHERE SPACE ALLOWS.  
3. RADIUS ELBOWS SHALL BE 5-PIECE, MINIMUM, OR FORMED ELBOWS, W/O CRIMPING.  
4. WHERE SPACE DOES NOT ALLOW FOR RADIUS ELBOWS, PROVIDE SQUARE ELBOWS WITH AIRFOIL TURNING VANES AS DETAILED.

**F4 MEDIUM AND HIGH PRESSURE DUCT FITTINGS**  
NOT TO SCALE

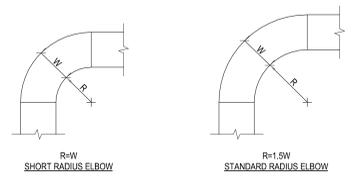


**RECTANGULAR FLEXIBLE CONNECTION**



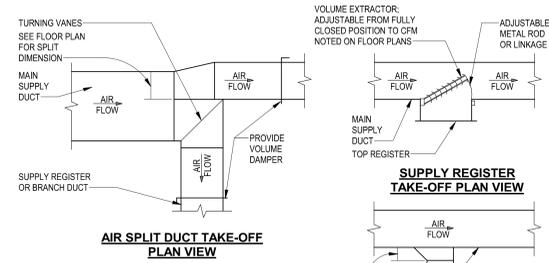
**ROUND FLEXIBLE CONNECTION**

**C6 FLEXIBLE DUCT CONNECTIONS**  
NOT TO SCALE

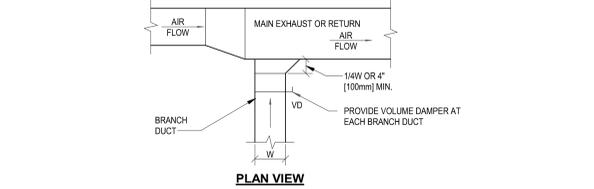


- NOTES:  
1. THE INTERIOR SURFACE OF ALL RADIUS ELBOWS SHALL BE MADE ROUND.  
2. ALL STANDARD RADIUS ELBOWS CAN BE SUBSTITUTED WITH SHORT RADIUS ELBOWS. ALL SHORT RADIUS ELBOWS SHALL HAVE VANES. VANES SHALL BE CONSTRUCTED, SUPPORTED AND FASTENED AS RECOMMENDED BY SMACNA.

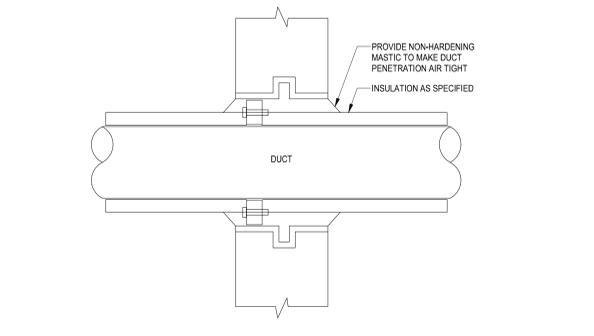
**D6 DUCTWORK RADIUS ELBOWS**  
NOT TO SCALE



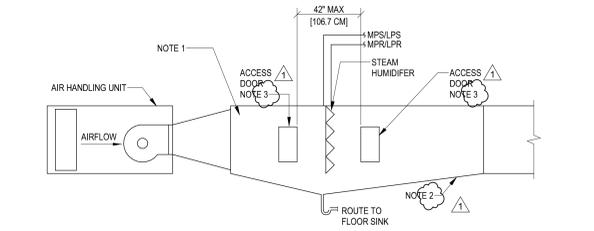
**F6 SUPPLY DUCTWORK TAKE-OFFS**  
NOT TO SCALE



**A9 EXHAUST OR RETURN BRANCH DUCTWORK**  
NOT TO SCALE

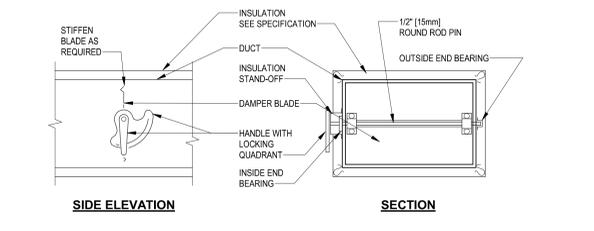


**C8 DUCT PENETRATION OF INTERIOR WALLS**  
NOT TO SCALE



- NOTES:  
1. TRANSITION WELDED STAINLESS STEEL #11.22M UPSTREAM OF HUMIDIFIER AND #12.44M DOWNSTREAM OF HUMIDIFIER.  
2. INTEGRAL STAINLESS STEEL DRAIN PAN SLOPE FROM ALL DIRECTIONS TO DRAIN CONNECTION, SLOPE: 1/25" PER 1'-0" (0.3 CM PER 0.3 M).  
3. PROVIDE MIN. 18" (45.7 CM) WIDE ACCESS DOOR, DIRECTLY UPSTREAM AND DOWNSTREAM OF HUMIDIFIER.

**E8 DUCT MOUNTED HUMIDIFIER**  
NOT TO SCALE



- NOTES:  
1. DELETE INSULATION STAND-OFF ON DUCTWORK WITHOUT EXTERIOR INSULATION.  
2. DETAIL SHOWS SINGLE BLADE DAMPER. DAMPER INSTALLATION SHALL BE SIMILAR FOR MULTI-BLADE DAMPERS & ROUND DAMPERS.

**F8 VOLUME DAMPER DETAIL**  
NOT TO SCALE

Revision Number	Revisions:	Date:
1	CDRN-06	03/17/2025

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HARRELL DESIGN GROUP PC  
10720 SIKES PLACE, SUITE 100  
CHARLOTTE, NC 28277  
704-814-1346  
POC: LEE HARRELL PE, LEED AP, QCCP  
PRESIDENT  
HDG PROJECT: 19022

**DRAWING TITLE**  
DETAILS

APPROVED

**PHASE**  
CONSTRUCTION DOCUMENTS SUBMISSION

FULLY SPRINKLERED

**PROJECT TITLE**  
RENOVATE SPACE FOR LOGISTICS (B-1)

**LOCATION**  
FAYETTEVILLE VA MEDICAL CENTER

**ISSUE DATE**  
11 APRIL 2024

**CHECKED**  
WGG

**DRAWN**  
ANB

**PROJECT NUMBER**  
564-24-104

**BUILDING NUMBER**  
1

**DRAWING NUMBER**  
MH501-A

**Engineering Service**

U.S. Department of Veterans Affairs